

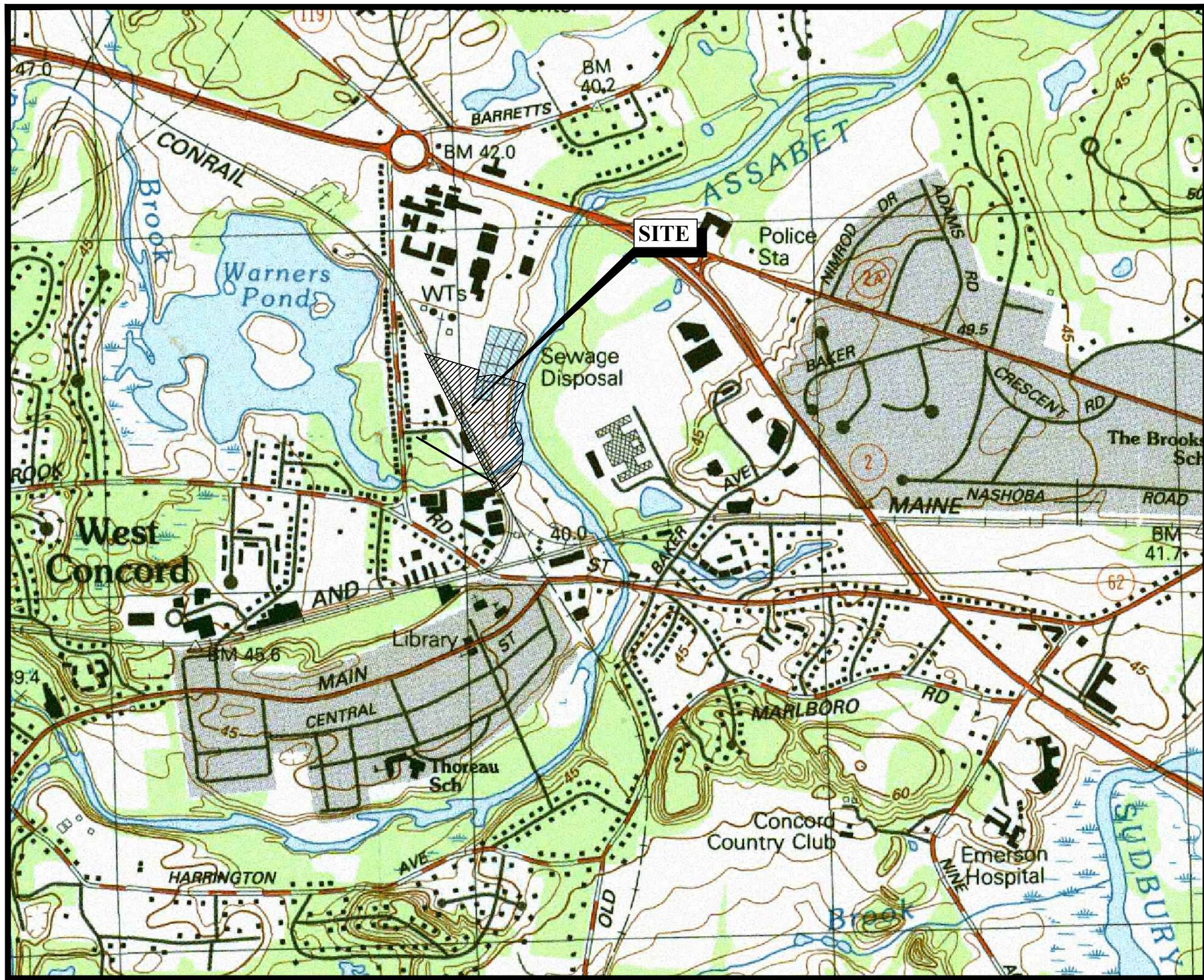
#1

Junction Village/Christopher Heights of Concord HUD Environmental Review Documentation

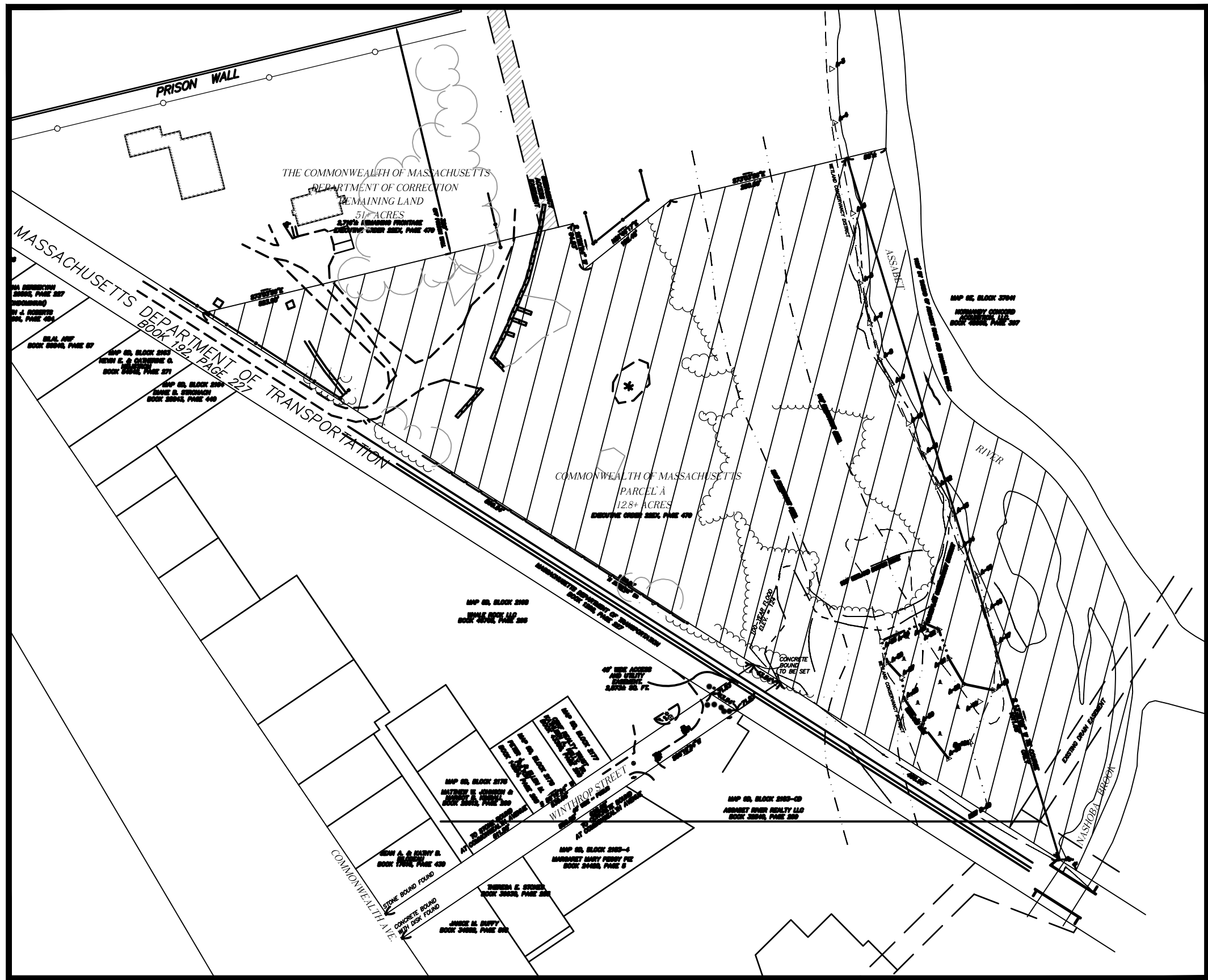
1. Site Plans and Location Plan
2. Coastal Barrier map
3. FIRM Flood Map 25017C0359F
4. Phase I Environmental Site Assessment, 6X Winthrop Street, Concord, Massachusetts,
April 2021

CHRISTOPHER HEIGHTS ASSISTED LIVING FACILITY

CONCORD · MASSACHUSETTS
NOVEMBER 16, 2016



LOCATION MAP
SCALE: 1" = 1000'



LOCATION MAP
SCALE: 1" = 150'

SHEET INDEX

SHEET No.	SHEET TITLE
C0.00	COVER SHEET
C1.00	EXISTING CONDITIONS PLAN
C1.10	SITE PREPARATION AND EROSION & SEDIMENT CONTROL PLAN
C1.20	SITE LAYOUT PLAN
C1.30	SITE GRADING & DRAINAGE PLAN
C1.40	SITE UTILITY PLAN
C3.00	EROSION & SEDIMENT CONTROL DETAILS
C3.10	CONSTRUCTION DETAILS
C3.20	CONSTRUCTION DETAILS
C3.30	CONSTRUCTION DETAILS
C3.40	CONSTRUCTION DETAILS
C3.50	CONSTRUCTION DETAILS
C3.60	CONSTRUCTION DETAILS
C3.70	CONSTRUCTION DETAILS
C3.80	CONSTRUCTION DETAILS
L1.10	SITE PLANTING PLAN
L1.20	PLANTING PLAN ENLARGEMENT & DETAILS

OWNERS:



The GRANTHAM GROUP, LLC
99 Pleasant Street · Marlborough, Massachusetts, 01752
Tel (508) 281-8001 · Fax (508) 449-6751

OWNERS REPRESENTATIVE:

POTOMAC CAPITAL
ADVISORS, INC.
303 CONGRESS STREET
BOSTON, MA 02210
(617) 723 5003

PREPARED BY

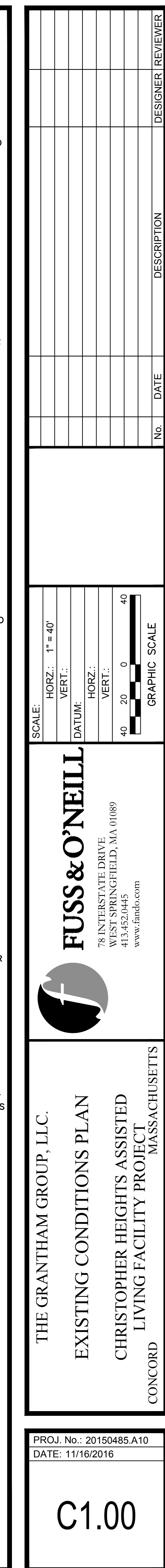


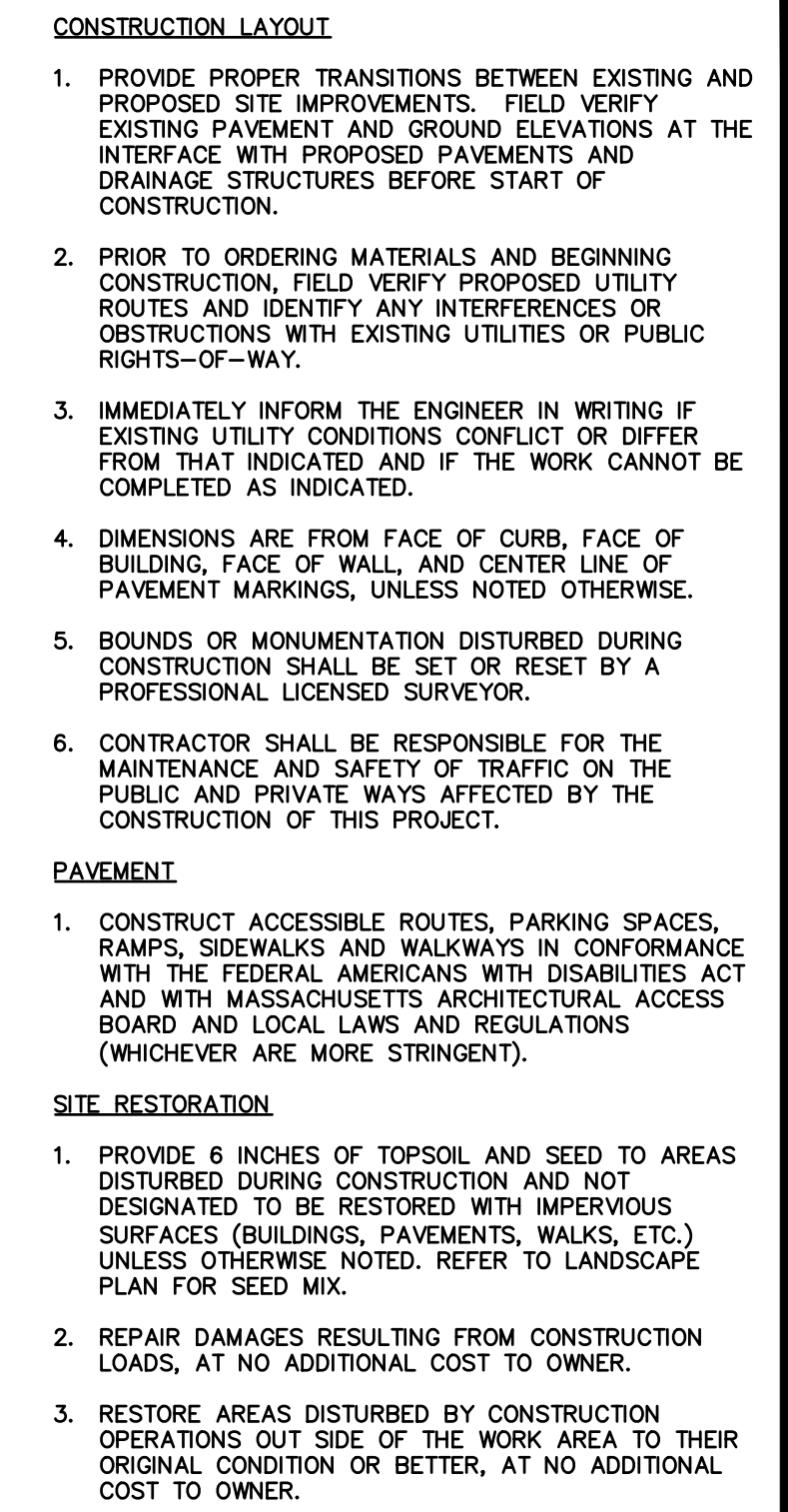
FUSS & O'NEILL
78 INTERSTATE DRIVE
WEST SPRINGFIELD, MA 01089
413.452.0445
www.fando.com

NOT FOR CONSTRUCTION

PROJ. No.: 20150485.A10
DATE: 11/16/2016

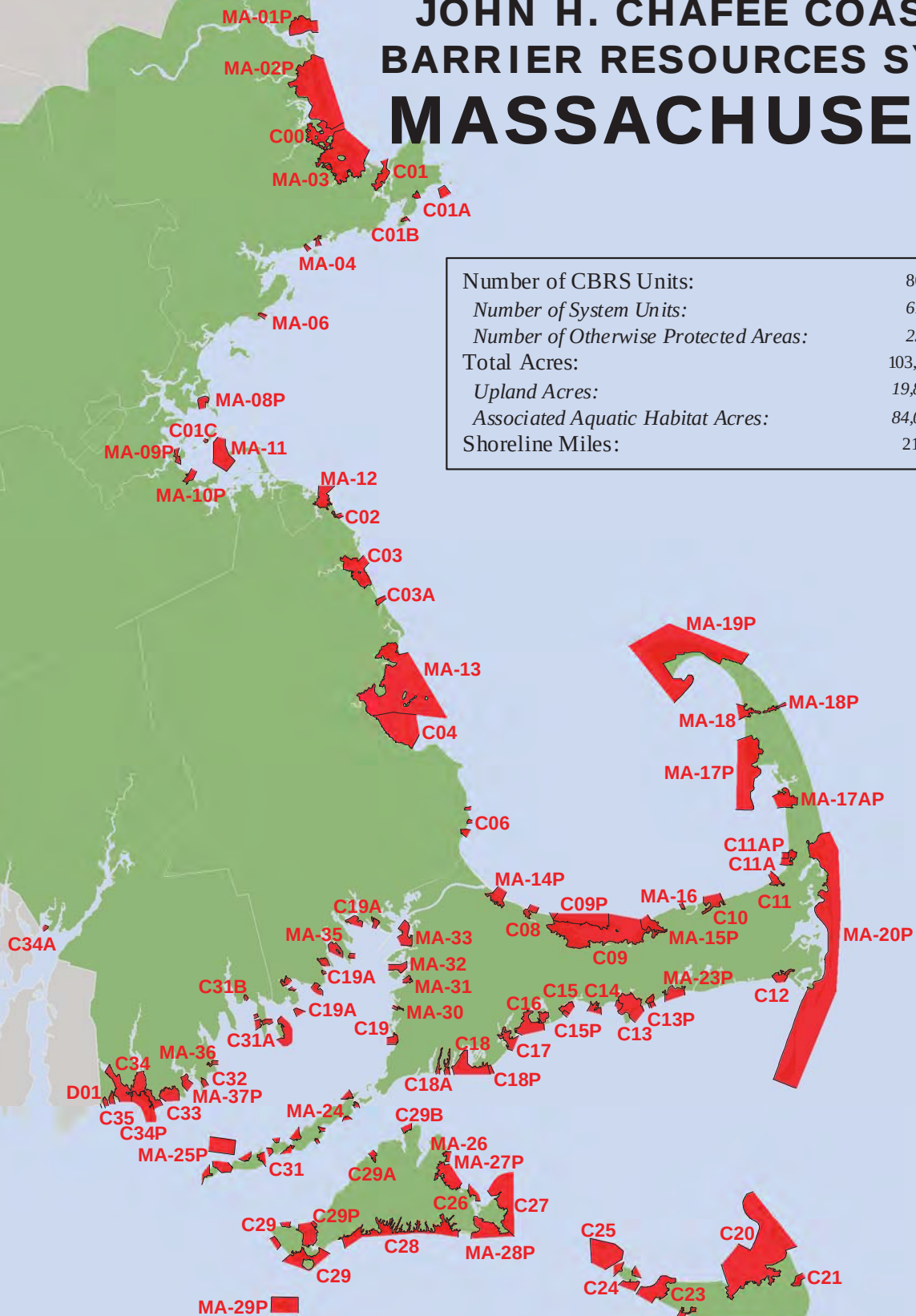
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[illegible]

JOHN H. CHAFEE COASTAL BARRIER RESOURCES SYSTEM MASSACHUSETTS

Number of CBRS Units:	86
Number of System Units:	61
Number of Otherwise Protected Areas:	25
Total Acres:	103,926
Upland Acres:	19,847
Associated Aquatic Habitat Acres:	84,079
Shoreline Miles:	213



Boundaries of the John H. Chafee Coastal Barrier Resources System (CBRS) shown on this map were transferred from the official CBRS maps for this area and are depicted on this map (in red) for informational purposes only. The official CBRS maps are enacted by Congress via the Coastal Barrier Resources Act, as amended, and are maintained by the U.S. Fish and Wildlife Service. The official CBRS maps are available for download at http://www.fws.gov/habitatconservation/coastal_barrier.html.



FEMA Flood Map Service Center: Search By Address

Navigation

Search

Languages

MSC Home (/portal/)

MSC Search by Address
(/portal/search)

MSC Search All Products
(/portal/advanceSearch)

▼ MSC Products and Tools
(/portal/resources/productsandtools)

Hazus
(/portal/resources/hazus)

LOMC Batch Files
(/portal/resources/lomc)

Product Availability
(/portal/productAvailability)

MSC Frequently Asked
Questions (FAQs)
(/portal/resources/faq)

MSC Email Subscriptions
(/portal/subscriptionHome)

Contact MSC Help
(/portal/resources/contact)

Enter an address, place, or coordinates: ?

6X winthrop st, concord, ma

Search

Whether you are in a high risk zone or not, you may need [flood insurance \(https://www.fema.gov/national-flood-insurance-program\)](https://www.fema.gov/national-flood-insurance-program) because most homeowners insurance doesn't cover flood damage. If you live in an area with low or moderate flood risk, you are 5 times more likely to experience flood than a fire in your home over the next 30 years. For many, a National Flood Insurance Program's flood insurance policy could cost less than \$400 per year. Call your insurance agent today and protect what you've built.

Learn more about [steps you can take \(https://www.fema.gov/what-mitigation\)](https://www.fema.gov/what-mitigation) to reduce flood risk damage.

Search Results—Products for CONCORD, TOWN OF

Show ALL Products » (<https://msc.fema.gov/portal/availabilitySearch?addcommunity=250189&communityName=CONCORD>)

The flood map for the selected area is number **25017C0359F**, effective on **07/07/2014** ?

DYNAMIC MAP



MAP IMAGE



([https://msc.fema.gov/portal/downloadProduct?](https://msc.fema.gov/portal/downloadProduct?filepath=/25/P/Firm/25017C0359F.png&productTypeID=FINAL_PRODUCT&productSubTypeID=FIRM_PANEL)

[filepath=/25/P/Firm/25017C0359F.png&productTypeID=FINAL_PRODUCT&productSubTypeID=FIRM_PANEL](https://msc.fema.gov/portal/downloadProduct?filepath=/25/P/Firm/25017C0359F.png&productTypeID=FINAL_PRODUCT&productSubTypeID=FIRM_PANEL))

Changes to this FIRM ?

- Revisions (0)
- Amendments (2)
- Revalidations (1)

You can choose a new flood map or move the location pin by selecting a different location on the locator map below or by entering a new location in the search field above. It may take a minute or more during peak hours to generate a dynamic FIRMette. If you are a person with a disability, are blind, or have low vision, and need assistance, please contact a map specialist (<https://msc.fema.gov/portal/resources/contact>).

Go To NFHL Viewer » (<https://hazards-fema.maps.arcgis.com/apps/webappviewer/index.html?id=8b0adb51996444d>)





April 22, 2021

Grantham Group, LLC
Mr. Michael Cucchiara
99 Pleasant Street
Marlborough, Massachusetts 01752

Subject: Phase I Environmental Site Assessment
6X Winthrop Street, Concord, Massachusetts

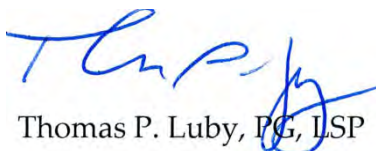
Dear Mr. Cucchiara:

As requested, ENSTRAT, Inc. is submitting the following recommendations pursuant to the findings of the Phase I Environmental Site Assessment report (dated April 22, 2021) for the property located at 6X Winthrop Street in Concord, Massachusetts (the Site). Refer to Section 7.0 of this report for the summary of findings, conclusions, and opinion.

Based on the research and observations outlined herein, significant off-site RECs, HRECs, or CRECs and on-Site RECs and CRECs that could affect soil and/or groundwater conditions at the Site were not identified. AnHREC associated with the former use of the Site for sewerage disposal purposes where metals were detected in soil and potential releases from an off-site industrial building (to the west) were observed. However, soil and groundwater testing completed by other consultants and ENSTRAT in 2013 satisfactorily addressed potential discharges of oil or hazardous materials by past activities and possible off-site releases; therefore, the HREC is not considered significant. Therefore, additional assessment activities are not recommended.

Thank you for the opportunity to provide environmental services on your behalf. Please feel free to call if you have any questions.

Sincerely,
ENSTRAT, Inc.



Thomas P. Luby, PG, LSP



Principal / Technical Manager



**Phase I Environmental Site Assessment
of
6X Winthrop Street
Concord, Massachusetts**

Prepared for: Grantham Group, LLC
Mr. Michael Cucchiara
99 Pleasant Street
Marlborough, Massachusetts 01752

ENSTRAT Project Number 2013-139A

April 22, 2021



April 22, 2021

Grantham Group, LLC
Mr. Michael Cucchiara
99 Pleasant Street
Marlborough, Massachusetts 01752

Subject: Phase I Environmental Site Assessment
6X Winthrop Street, Concord, Massachusetts

Dear Mr. Cucchiara:

As requested, ENSTRAT, Inc. is submitting the following Phase I Environmental Site Assessment report for the property located at 6X Winthrop Street in Concord, Massachusetts (the Site). Refer to Section 7.0 of this report for the summary of findings, conclusions, and opinion.

Thank you for the opportunity to provide environmental services on your behalf. Please feel free to call if you have any questions regarding this report.

Sincerely,
ENSTRAT, Inc.

Thomas P. Luby, PG, LSP
Principal / Technical Manager



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- Interview Documentation
- Environmental Database Review Table
- Environmental Database Report
- Project Limitations



1.0 Introduction

At the request of Grantham Group LLC, the Client/User and Site owner, ENSTRAT, Inc. (ENSTRAT) has performed a Phase I Environmental Site Assessment (ESA) of the property at 6X Winthrop Street in Concord, Massachusetts (the Site), as set forth in the contract dated April 2, 2021.

1.1 Purpose

The purpose of the Phase I ESA is to define good commercial and customary practice in the United States of America for conducting an ESA of a parcel of commercial real estate with respect to the range of contaminants within the scope of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. §9601) and petroleum products. As such, the Phase I ESA is intended to permit a user to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on CERCLA liability that is the practice that constitutes all appropriate inquiries into the previous ownership and uses of the property consistent with good commercial and customary practice. Controlled substances are not included within the scope of this standard.

A User or person conducting a Phase I ESA as part of an EPA Brownfields Assessment and Characterization Grant awarded under CERCLA 42 U.S.C. §9604(k)(2)(B) must include controlled substances as defined in the Controlled Substances Act (21 U.S.C. §802) within the scope of the Phase I ESA investigations to the extent directed in the terms and conditions of the specific grant or cooperative agreement. This project is not subject to an EPA Brownfields Assessment and Characterization Grant. As such, controlled substances have not been evaluated as part of this Phase I ESA.

1.2 Scope of Work

The scope of work for this assessment was in general accordance with the American Society of Testing and Materials (ASTM) Standard Practice (practice) for Environmental Site Assessments: Phase I ESA Process (ASTM Designation: E 1527-13). Deviations, deletions, or exceptions (if any) from this practice are discussed hereafter in this report.



In defining a standard of good commercial and customary practice for conducting an ESA of property, the goal of the processes established by this practice is to identify RECs. The term recognized environmental condition (REC), according to ASTM E 1527-13 means "the presence or likely presence of any hazardous substances or petroleum products in, on or at a property: 1) due to release to the environment; 2) under conditions indicative of a release to the environment; or 3) under conditions that pose a material threat of a future release to the environment." De minimis conditions are not RECs.

ASTM E 1527-13 defines a "controlled REC" (CREC) as "a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example property use restrictions, activity and use limitations [AUL(s)], institutional controls, or engineering controls). A condition considered by the EP to be a CREC shall be listed in the findings section of the Phase I ESA report, and as a REC in the conclusions and findings sections of the Phase I ESA. *A condition identified as a CREC does not imply that the EP has evaluated or confirmed the adequacy, implementation, or continued effectiveness of the required control that has been, or is intended to be, implemented.*"

ASTM E 1527-13 defines an "historical REC" (HREC) as "a past release of hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted residential use criteria established by a regulatory authority, *without* subjecting the property to any required controls (for example property use restrictions, AULs, institutional controls, or engineering controls). Before calling the past release a HREC, the Environmental Professional must determine whether the past release is a REC at the time of the Phase I ESA is conducted (for example, if there has been a change in the regulatory criteria). *If the EP considers the past release to be a REC at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the report as a REC.*"

A "de minimis condition" is a condition that generally does not represent a threat to human health or the environment and that generally would not be the subject of an



enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis* conditions are not recognized environmental conditions nor controlled recognized environmental conditions. This assessment included a Site reconnaissance as well as research and interviews with representatives of the public, property management, and regulatory agencies, as available.

For the purposes of preparing this Phase I ESA, the terms migrate or migration refer to the movement of hazardous substances or petroleum products in any form, including, for example, solid and liquid at the surface or subsurface, and vapor in the subsurface. Vapor migration in the subsurface is described in Guide E2600; however, nothing in this practice for a Phase I ESA should be construed to require application of the Guide E2600 standard to achieve compliance with all appropriate inquiries (AAI). An evaluation was not conducted, pursuant to Guide E2600, as part of the scope of services unless otherwise noted herein this report.

ASTM E 1527-13 defines a "business environmental risk" as "a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice". The scope of this report does not include an evaluation of environmental business risk.

Pursuant to ASTM E 1527-13, it is the User's responsibility to provide information for the Site regarding Environmental Lien(s) and to conduct or provide a current title search including any AUL(s). The scope of services herein includes a review of all information and documentation provided by the User during the course of preparing this report, but does not include research for Environmental Liens or AULs unless otherwise noted.

1.3 Significant Assumptions

While this report provides an overview of RECs, both past and present, the environmental assessment is limited by the availability of information at the time of the assessment. It is possible that unreported disposal of waste or illegal activities impairing the environmental status of the property may have occurred which could not be identified. The conclusions and opinions regarding environmental conditions that are presented in this report are based on a scope of work authorized by the Client. Note



however, that virtually no scope of work, no matter how exhaustive, can identify all contaminants or all conditions above and below ground.

1.4 Limitations and Exceptions

The report has been prepared in accordance with generally accepted environmental methodologies referred to in ASTM 1527-13, and contains all of the limitations inherent in these methodologies as well as the limitations discussed in the Scope of Services (Section 1.2) of this report. No other warranties, expressed or implied, are made as to the professional services provided under the terms of our contract and included in this report.

1.5 Specific Limitations

The conclusions of this report are based, in part, on the information provided by others. The possibility remains that unexpected environmental conditions may be encountered at the Site in locations not specifically investigated. Should such an event occur, ENSTRAT, Inc. must be notified in order that we may determine if modifications to our conclusions or opinion are necessary.

The services performed and outlined in this report were based, in part, upon visual observations of the Site and attendant structures. Our opinion cannot be extended to portions of the Site that were unavailable for direct observation, or otherwise were reasonably beyond the control of ENSTRAT, Inc.

The objective of this report was to assess environmental conditions at the Site, within the context of our contract and existing environmental regulations within the applicable jurisdiction. Evaluating compliance of past or future owners with applicable local, provincial and federal government laws and regulations was not included in our contract for services.

Our observations relating to the condition of environmental media at the Site are described in this report. This practice does not include testing or sampling of materials (for example soil, water, air, building materials, etc.). It should be noted that compounds or materials other than those described could be present in the Site environment.



1.6 User Reliance

This report may be distributed and relied upon by Client, its successors and assigns. Reliance on the information and conclusions in this report by any other person or entity is not authorized without the written consent of ENSTRAT, Inc.

2.0 Site Information

2.1 Location and Legal Description

Site Address.....6X Winthrop Street in Concord, Massachusetts (See Figure 1 and 2 in Appendices). Based upon available information and/or a review of historical references, the Site was previously part of a larger parcel which was known as 965 Elm Street.

Assessor's Information.....Assessor Map 8D, Block, 2013, Lot 1 (See Figure 2 in Appendices).

Current Site Owner:.....CHDC-JV LLC (According to Assessor's Office since January 2013).

Site Area: 12.80 acres.

Property Shape: Irregular.

Legal Description: Deed Book 61,102, Page 485, on record at the Middlesex County Registry of Deeds.

2.2 Site and Vicinity General Characteristics

Zoning:.....Industrial Park A.



Wetlands/Surface

Water Bodies:.....Based on a review of the USGS topographic map, MassGIS data, and Site observations, wetlands associated with the Assabet River and Nashoba Brook are situated along the southern and eastern property boundaries.

Flood Insurance Rate Map:.....The majority of the Site is situated in a Zone X: area of minimal flooding. Areas along the Assabet River are situated in a Zone AE: area inundated by the Base Flood with Base Flood Elevations determined (FIRM 25017C0359F dated July 7, 2014).

Estimated Groundwater Flow

Direction: According to the USGS topographic map, groundwater flow appears to be generally easterly.

Groundwater Protection Area:.....According to available DEP Priority Resource maps, the Site is not situated within a groundwater protection area. Therefore, groundwater beneath the Site is considered GW-2 for reporting purposes established by the Massachusetts Department of Environmental Protection (DEP). The Site is connected to the municipal water system and private drinking water wells are not situated on-Site or within 500-feet of the Site.

2.3 Current Use(s) of the Site

Site Use: Undeveloped cleared and wooded land.

Current Occupants:.....None.

2.4 Structures, Roads, Other Improvements on the Site

Improvements:.....None.



Restrictions/Easements:.....None noted.

Frontage Roads:.....Winthrop Street to west.

Parking areas: None.

Building Heating / Cooling:.....None.

Utilities: None.

2.5 Current Uses of Adjoining Properties

The current adjoining property uses are:

North:.....Massachusetts Correctional Institution - Concord.

South: Nashoba Brook, the Concord Rail Trail beyond which is a commercial building.

East: The Assabet River beyond which are undeveloped wooded lands and commercial buildings.

West:.....The Concord Rail Trail beyond which is an industrial building and residences.

3.0 User Provided Information

ENSTRAT sent requests to the User, Client, Site occupant and/or representative for disclosure of information as required per the ASTM Standard. All information provided by the User, Client, or Site occupant and/or representative in response to these requests is provided herein or in the Appendices (also see Interview Documentation). ENSTRAT can only provide representations or conclusions based upon the information that was provided to ENSTRAT during the preparation of this report and in response to this request.



3.1 Title Records

Title records were not provided to ENSTRAT. Research was not conducted by ENSTRAT nor was a company or professional engaged to review recorded land title records and lien records for the Site as part of the scope of work herein.

3.2 Environmental Liens or Activity and Use Limitations

A review of available records and information provided by or obtained from available sources did not reveal environmental liens or Activity and Use Limitations (AULs) on the Site.

3.3 Specialized Knowledge

Specialized knowledge was not available that is material to RECs in connection with the Site.

3.4 Commonly Known or Reasonably Ascertainable Information

The Client or Site representatives indicated that they are aware of the following information for the Site or nearby properties:

The past uses; specific hazardous substances or petroleum products that are present or once were present; Spills or other release of hazardous substances or petroleum products that have taken place; previous environmental Site assessments; or environmental cleanups that have taken place.

3.5 Valuation Reduction for Environmental Issues

A current appraisal was not available and therefore not provided to ENSTRAT for the Site. Other available information does not suggest a valuation reduction for the purchase price of the Site due to environmental issues. The Client or Site representatives do not believe that the purchase price paid for the Site is less than the reasonable or fair market value of the Site.



3.6 Owner, Property Manager, and Occupant Information

CHDC-JV LLC is the Site owner. Mr. Michael Cucchiara, developer/lessee, provided access and general information pertaining to the Site. Mr. Cucchiara also completed the AAI owner's questionnaire as the developer.

3.7 Reason for Performing Phase I

Mr. Cucchiara indicated the purpose of the Phase I is to identify RECs, as indicated in Section 1.0., prior to a real estate transaction.

4.0 Records Review

The purpose of the records review was to evaluate available information for RECs in connection with the Site. Some records reviewed pertain not only to the Site, but also to properties within an additional approximate minimum search distance in order to help assess the likelihood of problems from migrating hazardous substances or petroleum products. Unless stated otherwise the approximate minimum search distances used below were as specified in the ASTM Standard 1527-13.

Information regarding the use, storage, release, generation, or disposal of hazardous substances or petroleum products at properties abutting or upgradient of the Site is significant as releases from these properties may affect the soil, groundwater, or surface water conditions at the Site.

4.1 Standard Environmental Records

ENSTRAT conducted research of the Standard Environmental Records Sources pursuant to Section 8.2.1 of the Standard and subject to the conditions of Sections 8.1.1 through 8.1.7 of the Standard. ENSTRAT utilized an environmental "FirstSearch™ Report" from Environmental Data Resources Inc. (EDR® - see Appendices) to review available environmental database records for possible RECs. A copy of the FirstSearch report reviewed for this project, including Sources of Information and protocol areas, is included in the Appendices. Due to discrepancies in the location of some facilities in the



databases, arising from incorrect or incomplete addresses, it may not be possible to map or geo-code some of the listed facilities.

According to the Environmental FirstSearch Report, the Site is not listed on databases maintained by the Environmental Protection Agency (EPA), Department of Environmental Protection (DEP) or other state and regulatory environmental databases. A review of environmental databases identified several properties of concern (specifically, the northern abutting property at 985 Elm Street and the western abutting property at 56 Winthrop Street) within the ASTM protocol areas as summarized in the Table in the Appendices. However, based on the distance, groundwater flow direction, and/or remediation or closure documents, these properties are not expected to significantly affect soil and/or groundwater on-Site.

4.2 Additional Environmental Record Sources

Additional Environmental Record Resources were researched and reviewed to enhance and supplement the Standard Environmental Record Sources, when considered necessary by ENSTRAT and pursuant to Section 8.2.2 of the Standard.

ENSTRAT conducted a review of available environmental records at municipal offices. Significant information or additional records were not identified at municipal offices other than discussed herein.

Fire Department

Available information provided at the Concord Fire Department's did not include information indicating the current use, storage, or generation of hazardous substances or petroleum products or the current presence of ASTs or USTs on the Site.

Assessor's Department

Available information provided at the Concord Assessor's office included the current field card.

4.3 Physical Setting Source(s)

ENSTRAT reviewed the USGS Topographic Map to provide physical setting information about the geologic, hydrogeologic, hydrologic, or topographic



characteristics of the Site. Other physical setting sources may also be reviewed in cases where conditions have been identified in which hazardous substances or petroleum products are likely or have a potential to migrate into groundwater, soil or surface water in order to assess the impact of such migration on RECs in connection with the Site. These discretionary sources may include USGS groundwater maps, bedrock geology maps, soil maps or other physical setting sources that are reasonably credible and ascertainable.

The Site is situated in the western portion of Concord. According to the USGS Topographic Map and Site observations, the Site topography is relatively flat with a (see Figure 1 in the Appendices). The groundwater flow direction appears to be generally easterly. According to the Bedrock Geologic Map of Massachusetts (Zen 1983), the underlying bedrock is within the Nashoba Formation which consists of sillimanite schist and gneiss.

4.4 Historical Use Information for the Site

The objective of consulting historical sources is to develop a history of the previous uses of the Site (including previous heating sources, if any), in order to evaluate the likelihood of past uses having led to RECs and the potential of such uses to affect the Site. The standard historical sources include information from aerial photographs, fire insurance maps, property tax files, recorded land title records, historical USGS topographic maps, local street directories, local building and zoning department or land use records, previous owners of the Site, if available, available previous environmental reports, and other sources as discussed in the ASTM Standard to the extent these records are reasonably ascertainable. Other historical documents reviewed are listed below.

Sanborn Fire Insurance Maps do not provide coverage of the Site and vicinity. Aerial photographs reviewed between 1952 and 1980 depict the Site as undeveloped cleared land and several sewerage lagoons are depicted along the northeastern area of the Site. Aerial photographs reviewed between 1985 and 1995 are similar; however, the sewerage lagoons appear to be overgrown. Aerial photographs reviewed between 1995 and 2019 depict current Site conditions. City directories reviewed between 1975 and 2014 do not have a listing for the Site address. According to historical information, the Site is a portion of the larger parcel which included the Massachusetts Correctional



Institution (MCI) located to the north prior to 2013. While the Site has historically been undeveloped, MCI-Concord utilized a portion of the Site for sewerage disposal purposes (sewerage lagoons), prior to the 1980s. In addition, the central portion of the Site was utilized by MCI-Concord for the storage of earthen materials from the early 2000s to circa 2013. Remaining areas have consisted of undeveloped cleared land, wooded land, and wetlands.

A Limited Subsurface Evaluation report completed for the Concord Housing Development Corporation by ENSTRAT and dated November 2013 was provided by the client. At the time of this report, Site conditions were similar to current conditions. ENSTRAT reviewed a Phase I Environmental Site Assessment (ESA) report and a Summary of Test Pit Excavations/Soil Sampling Activities letter completed by Williamson Environmental LLC (Williamson) dated February and September 2009, respectively. According to ENSTRAT, two test pits in each of the six former sewage lagoons were completed and soil was laboratory analyzed for volatile organic compounds (VOCs), total petroleum hydrocarbons (TPH), polychlorinated biphenyls (PCBs), metals, and pH. Concentrations of compounds were not detected above the applicable MCP RCS-2 reportable concentrations. Williamson stated "in its present use, the soil at the Site is considered RCS-2, and therefore chromium concentrations detected within these soil samples does not constitute a reportable condition". However, Williamson also indicated that if the Site was used for residential purposes in the future "the soil would be considered soil category RCS-1 and concentrations of total chromium detected in four of the soil samples exceeded RCS-1 reportable concentrations. A notification condition would have therefore been created when the use of the property changed to residential". Three additional three test pits were completed along the western Site boundary, one sample from each test pit was laboratory analyzed VOCs, TPH, PCBs, metals, trivalent chromium, hexavalent chromium, and pH. According to Williamson, "all compounds that were detected were below RCS-1 reportable concentrations. Additional assessment activities were not conducted".

Based upon the findings presented in the Williamson reports, a limited subsurface evaluation of soil and groundwater was completed. Six soil boring were completed; four of which were completed as groundwater monitoring wells. The borings and wells were completed to assess the historical presence of sewage lagoons, use of the Site for contractor storage, and downgradient of an abutting industrial building. Soil samples from the area of the former sewage lagoons were laboratory analyzed for



hexavalent/trivalent chromium and total chromium. Concentrations of total chromium from three borings were detected above RCS-1 reportable concentrations. ENSTRAT stated "based on the trivalent/hexavalent chromium analysis that was also conducted on all of these soil samples, the total chromium concentrations represent trivalent chromium is naturally occurring. Hexavalent chromium was detected in only one sample (EN-3/9'-11') at 0.87 mg/kg, which is well below MCP RCS-1 reportable concentrations". All other analytes for the soil and groundwater samples were either below applicable DEP standards or laboratory detection limits. ENSTRAT concluded "based upon the results of this limited subsurface evaluation, conditions in soil and groundwater testing on the property are considered acceptable for residential development. ENSTRAT does not recommend additional assessment activities at this time".

4.5 Historical Use Information on Adjoining Properties

The objective of consulting historical sources is to develop a history of the previous uses of surrounding properties in order to help identify the likelihood of past uses having led to RECs in connection with the Site. Historical use information describing the surrounding properties was obtained from Sanborn Fire Insurance Maps, historical street directories, aerial photographs, historical topographic maps, and municipal information.

South

According to aerial photographs and municipal information the area south of the Site historically consisted of railroad tracks, residences, and a commercial building. The railroad tracks have been recently converted for use as a rail trail.

East

According to aerial photographs and municipal information the area east of the Site, has historically consisted of the Assabet River. Beyond the Assabet River has been utilized for commercial purposes since at least 1952.

West

According to aerial photographs and municipal information the area west of the Site historically consisted of a railroad track, beyond which are residences and an industrial



building which has been in operation since at least 1927. The railroad tracks have recently been converted for use as a rail trail.

North

According to aerial photographs and municipal information the area north of the Site has been utilized as a correction facility since at least the 1880s.

5.0 Site Reconnaissance

The purpose of the Site reconnaissance is to obtain information to evaluate the likelihood of identifying RECs in connection with the Site pursuant to Section 9.0 of the Standard.

A visual evaluation of the Site was conducted on April 7, 2021. Mr. Michael Cucchiara, developer/lessee, provided access and information regarding the Site. Access was obtained to all portions of the Site. The exterior of adjoining properties was visually evaluated for RECs.

The evaluation of the Site included a visual assessment for the presence of buildings, parking areas, electrical/hydraulic equipment or transformers which may contain polychlorinated biphenyls (PCBs); monitoring wells; potable water supplies; usage, storage, or disposal of hazardous substances or petroleum products; unidentified substance containers; ASTs or USTs; significant stains, odors, pools of liquid, sheens, or stressed vegetation; rock outcrops; filling or excavations; ditches, pits, dry wells, ponds, or lagoons; floor drains or sumps; septic systems; solid waste disposal; fences, or high tension electric wires. Other than observations described hereafter, the previously listed items were not identified at the Site.

5.1 General Site Setting

Current Use(s) of the Site

The Site consists of undeveloped cleared land, soil piles, wooded land, wetlands associated with the Assabet River, gravel access roads, and an abandoned aggregate (earthen materials) storage area along the central portion of the Site. RECs or suspect conditions that could affect soil and groundwater were not observed at the abutting



properties during the Site visit. Minor piles of solid waste were observed throughout areas of the Site.

Past Use(s) of the Site

Indications of past uses of the Site were not observed during the Site visit.

Past Use(s) of Adjoining Properties

Past uses of adjoining properties were not observed during the Site visit.

5.2 Interior and Exterior Observations

Heating/Cooling

Not applicable.

Storage Tanks

Determining the presence of ASTs and USTs is considered essential in evaluating potential contamination sources. Visual inspection and the review of tank registration records are used to determine the possible existence of past and present storage tanks in the area of the subject Site. It must be noted however, that the absence of certain Site conditions or lack of records may restrict or prevent the determination of the number and contents of storage tanks on the subject Site. Evidence of present on-Site USTs (vent pipes, fill pipes or access-ways) or ASTs were not noted during the visual evaluation of the Site.

Odors

ENSTRAT did not observe suspect strong, pungent, or noxious odors during the Site visit.

Pools of Liquid

Standing surface water (other than wetlands or water ways), pools or sumps containing liquids that are likely to be associated with RECs were not observed or identified during the Site visit.

Drums or Containers

Drums and/or containers were not observed.

**Stains or Corrosion**

ENSTRAT personnel did not observe stains or corrosion on floors, walls, or ceilings of the building.

Polychlorinated biphenyls (PCBs)

The past use of PCBs in electrical equipment such as transformers, fluorescent lamp ballasts, and capacitors was common. PCBs in electrical equipment are controlled by United States EPA regulation 40 CFR, Part 761. According to this regulation there are three categories for classifying electrical equipment; less than 50 ppm of PCBs is considered "Non-PCB"; between 50 and 500 ppm is considered "PCB-Contaminated"; and greater than 500 ppm is considered "PCB". Equipment potentially containing PCBs was not observed.

Pits, Ponds, or Lagoons

ENSTRAT personnel did not observe pits, ponds, or lagoons. Soil berms were observed along the northern portion of the Site; these berms are remnants of the former septic lagoons.

Stained Soil or Pavement

Stained soil and/or pavement were not observed.

Stressed Vegetation

Stressed vegetation was not observed.

Solid Waste

Solid waste receptacles were not observed.

Waste Water

Waste water that (1) is or has been used in an industrial or manufacturing process, (2) conveys or has conveyed sewage, or (3) is directly related to manufacturing, processing, or raw materials storage areas at an industrial plant was not observed. Wastewater does not include water originating on or passing through or adjacent to a site, such as storm water flows, that has not been used in industrial or manufacturing processes, has not been combined with sewage, or is not directly related to manufacturing, processing, or raw materials storage areas at an industrial plant. Discharge of waste water was not observed.



Storm Water, Drains and Sumps

Other liquid including storm water, discharges into a drain, floor drain, catch basin, sump, ditch/swale, underground injection system or stream on the Site, inside buildings or adjacent to the subject property was observed.

Wells

Drinking water wells, dry wells, irrigation wells, injection wells, abandoned wells, or other wells were not observed. Four monitoring wells associated with a previous subsurface evaluation completed by ENSTRAT were observed.

Septic Systems

Not applicable.

Other

Other sources of potential or suspect RECs were not observed.

6.0 Interviews

The purpose of interviews is to obtain information indicating RECs in connection with the Site.

6.1 Interviews with Past and Present Owners and Occupants

On April 7, 2021 Mr. Michael Cucchiara, developer/lessee, was interviewed by ENSTRAT personnel. Mr. Lee Smith, President Concord Housing Development Corp completed the AAI owner's questionnaire.

6.2 Interviews with State and/or Local Government Officials

State and local governmental officials that were available for interview during this project did not provide or are not aware of specific knowledge of the Site.



7.0 Evaluation

7.1 Summary of Findings

ENSTRAT has conducted a Phase I Environmental Site Assessment of 6X Winthrop Street in Concord, Massachusetts (the Site). After completing the Phase I Environmental Site Assessment, the following information is presented.

Site

- The Site comprises 12.80 acres of land situated on the eastern side of Winthrop Street and consists of undeveloped cleared land, soil piles, wooded land, wetlands associated with the Assabet River, gravel access roads, and an abandoned aggregate (earthen materials) storage area along the central portion of the Site.
- According to historical information, the Site is a portion of a larger parcel which included the Massachusetts Correctional Institution (MCI) located to the north prior to 2013. While the Site has been undeveloped, MCI-CONCORD historically utilized a portion of the Site for sewerage disposal purposes (sewerage lagoons), prior to the 1980s. In addition, the central portion of the Site was utilized by the Town of Concord for the storage of earthen materials from the early 2000s to circa 2013. Remaining areas have consisted of undeveloped cleared land, wooded land, and wetlands.
- According to the Environmental FirstSearch Report, the Site is not listed on databases maintained by the Environmental Protection Agency (EPA), Department of Environmental Protection (DEP) or other state and regulatory environmental databases.
- Available information provided at the Concord Fire Department's did not include information indicating the current use, storage, or generation of hazardous substances or petroleum products or the current presence of ASTs or USTs on the Site.
- During the Site reconnaissance, ENSTRAT observed soil berms along the northern portion of the Site; these berms are remnants of the former septic lagoons. Four monitoring wells associated with a previous subsurface evaluation completed by



ENSTRAT were observed. Earthen materials, soil piles, and a dumpster associated with a former MCI-CONCORD earthen materials storage area were also observed. Minor piles of solid waste consisting of tires, metal, and wood were observed throughout the Site.

Off-site

- The Site is abutted by the MCI-Concord facility to the north and the Assabet River to the east beyond which is undeveloped wooded land and commercial buildings. A rail trail is situated south and west of the Site, beyond which is an industrial building, a commercial building, and residences.

7.2 Conclusions

ENSTRAT has performed a Phase I Environmental Site Assessment of 6X Winthrop Street in Concord, Massachusetts in conformance with the scope and limitations of ASTM Practice E 1527-13. Any exceptions to, or deletions from this practice are described within this report.

Site

This assessment has not revealed evidence of RECs or CRECs in connection with the property. HRECs associated with the former use of the Site for sewerage disposal purposes where metals were detected in soil and potential releases from an off-site industrial building (to the west) were observed.

The following de minimis conditions were identified on-Site:

- De minimis conditions were not identified.

Off-site

This assessment has not revealed evidence of significant RECs, HRECs, or CRECs in connection with off-site properties. Releases at the northerly abutting property (985 Elm Street) and the westerly abutting property (56 Winthrop Street) have been satisfactorily addressed with closure documents submitted to DEP.



7.3 Deletions and Data Gaps

This Section and the Scope of Services in Section 1.2 provide deletions and data gaps, if any, from the ASTM Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (E 1527-13).

The following data gaps were identified during research of available information for the Site:

- Significant on-Site data gaps were not identified.

The following data gaps were identified during research of available information for off-site properties:

- Significant off-site data gaps were not identified.

The Site is not considered an abandoned property where there is evidence of potential unauthorized uses or evidence of uncontrolled access; therefore, interviews were not conducted with neighboring or nearby property owners and occupants to obtain additional information for the Site or surrounding properties.

The scope of services herein did not include research of title records or recorded or registered environmental cleanup records other than recorded with the environmental regulatory authorities.

Real estate title records, title searches, or real estate appraisals were not provided to ENSTRAT during this investigation.

This report is not being conducted as part of an EPA Brownfields Assessment grant and may not include inquiries that include pollutants, contaminants, petroleum and petroleum products, and the controlled substances in the scope of the inquiry as required by their cooperative agreement with EPA.

7.4 Opinion

ENSTRAT cannot provide representations concerning soil or groundwater quality at the Site considering the scope of this project did not include subsurface evaluation or



laboratory analyses. Based on the research and observations outlined herein, significant off-site RECs, HRECs, or CRECs and on-Site RECs and CRECs that could affect soil and/or groundwater conditions at the Site were not identified. An HREC associated with the former use of the Site for sewerage disposal purposes where metals were detected in soil was observed. However, soil and groundwater testing completed by other consultants and ENSTRAT satisfactorily addressed potential discharges of oil or hazardous materials by past activities. Therefore, the HREC is not considered significant.

Recommendations are not required by ASTM E 1527-13 but are an additional service that may be useful in the user's analysis of CERCLA liability protection or business environmental risk.

8.0 Non-Scope Services

ENSTRAT was not requested to address non-scope services.

9.0 Sources of Information

Municipal

- Records at the Concord Fire Department, April 2021.
- Records at the Concord Engineering Department, April 2021.
- Records at the Concord Assessor's Office, April 2021.
- Records at the Concord Building Department, April 2021.
- Records at the Concord Board of Health, April 2021.

State and Federal

- American Society for Testing and Materials Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM E1527-13).
- United States Geological Survey, Topographic Maps.
- EDR "Environmental FirstSearch™ Report."
- Flood Rate Insurance Map (FIRM) FIRM 25017C0359F dated July 7, 2014.



- DEP Priority Resource Map.
- The Site is not located in a listed tribal area.

Owner/Operator

- Mr. Lee Smith, President Concord Housing Development Corp
- Mr. Michael Cucchiara, developer/lessee.

10.0 Signatures / Qualifications of Environmental Professionals

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312. The qualifications of the environmental professional(s) and personnel conducting the Site reconnaissance and interviews will be provided upon request.

A handwritten signature in blue ink, appearing to read "J O'Driscoll".

James O'Driscoll

Environmental Scientist

A handwritten signature in blue ink, appearing to read "T P Luby".

Thomas P. Luby, PG, LSP

Principal / Technical Manager



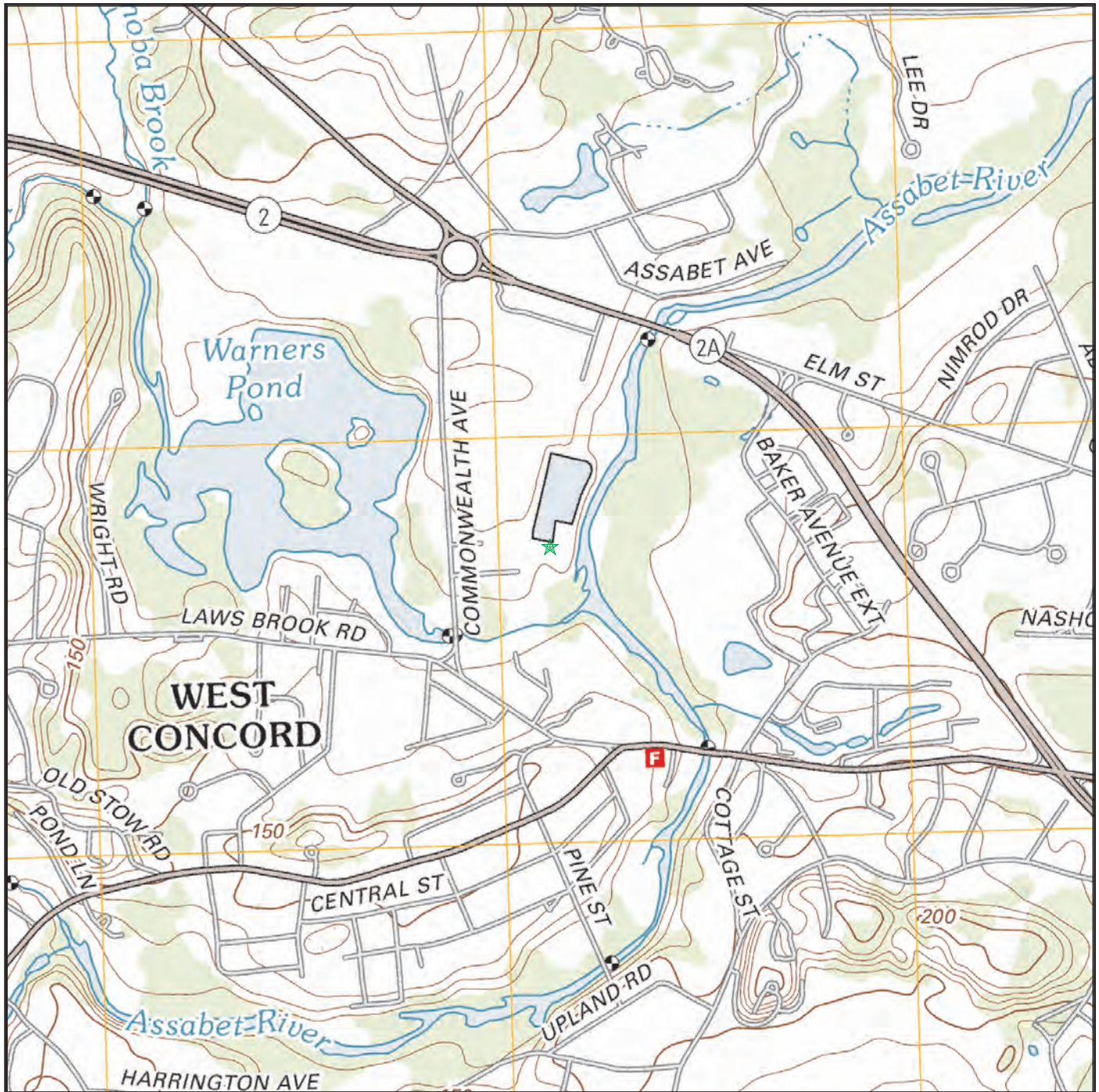
Figures

Site location Map

Topo: 0.75 Mile Radius



6X WINTHROP STREET CONCORD, MA 01742



Map Image Position: TP
Map Reference Code & Name: 5646209 Maynard
Map State(s): MA
Version Date: 2012



PROJECT NUMBER: 2013-139A	LOCATION: 6X Winthrop Street Concord, Massachusetts	NORTH: 	APPROX. SCALE: NTS
FIGURE NUMBER: 2	FIGURE NAME: Site Plan and Surrounding Properties	DESIGNED BY: JOD	DATE: 4/21

Middlesex Registry of Deeds,
Southern District
Cambridge, Massachusetts
Plan No. 71 of 2013
Rec'd 1.31.2013
at 12 H 24 M P M

Attest
Alfred M. Berry
Register

FOR REGISTRY USE ONLY

ZONING INFORMATION

INDUSTRIAL PARK
MINIMUM AREA: 4 ACRES
MINIMUM LOT FRONTAGE: 50' OR 200'
MINIMUM FRONT YARD: 20' OR 100'
CORNER CLEARANCE: 10'
MAXIMUM HEIGHT: 40'
MAXIMUM LOT COVERAGE: 50%

LEGEND

MAP, BLOCK - ASSESSORS INFORMATION
— STONE OR CONCRETE BOUND
— IRON PIPE
— DRILL HOLE
— PROPERTY LINE
— ABUTTER PROPERTY LINE (±)
— EASEMENT LINE
— STONE WALL
— CONTOUR
— INDEX CONTOUR
— RIVERBANK
— WETLAND LINE
— WETLAND FLAG
— SIGN

GENERAL NOTES

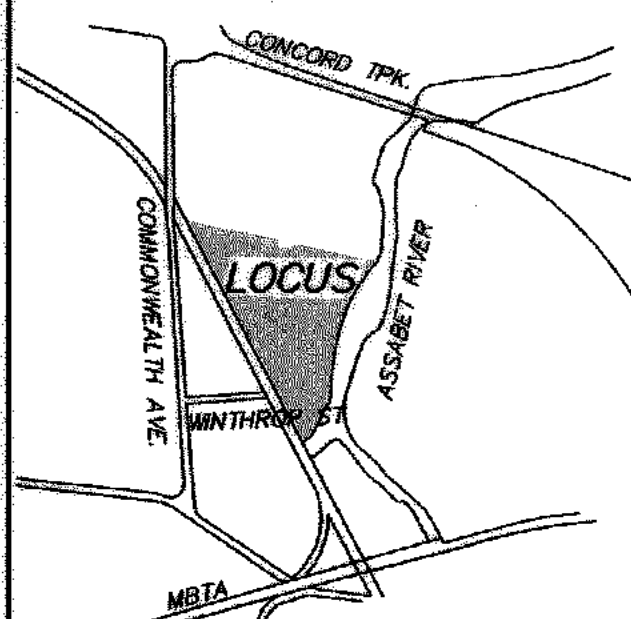
- 1.) THIS PLAN SHOWS A PROPOSED CONVEYANCE AND THE LOT CREATED. PARCEL "A", IS NOT A BUILDING LOT.
- 2.) PARCEL "A" IS TO BE CONVEYED TO THE CONCORD HOUSING DEVELOPMENT CORPORATION.
- 3.) FIELD SURVEY WAS COMPLETED BY TOTAL STATION/EDM.
- 4.) THE HORIZONTAL (NAD 83) AND VERTICAL (NAVD 88) DATUMS WERE DERIVED FROM GPS OBSERVATIONS AND ARE BASED ON THE MASSACHUSETTS STATE PLANE COORDINATE SYSTEM.
- 5.) ALL UNDERGROUND UTILITY INFORMATION SHOWN HEREON WAS DETERMINED FROM SURFACE EVIDENCE AND PLANS OF RECORD. ALL UNDERGROUND UTILITIES SHOULD BE LOCATED IN THE FIELD PRIOR TO COMMENCEMENT OF ALL SITE WORK. CALL DIGSAFE AT 1-800-322-4844 A MINIMUM OF 72 HOURS PRIOR TO PLANNED ACTIVITY.
- 6.) ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) MAPS, THE MAJOR IMPROVEMENTS ON THIS SITE ARE DESIGNATED "ZONE X". AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN. COMMUNITY PANEL 359 OF 656, MAP NUMBER 25017C0359E, EFFECTIVE DATE: JUNE 4, 2010.

LOCUS REFERENCE

ASSESSOR'S MAP REFERENCE:
MAP 8D, BLOCK 2013
OWNER:
COMMONWEALTH OF MASSACHUSETTS,
EXECUTIVE ORDER 22EX, PAGE 479
BOOK 1292, PAGE 227

LOCATION MAP

NOT TO SCALE



THE COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF CORRECTION
REMAINING LAND

51+ ACRES
2,716± REMAINING FRONTAGE
EXECUTIVE ORDER 22EX, PAGE 479

MAP 8D, BLOCK 2163
KEVIN E. & CATHERINE O.
NEUSTROM
BOOK 54542, PAGE 271

MAP 8D, BLOCK 2164
DIANE B. STRONACH
BOOK 28843, PAGE 440

NOTE:

"PARCEL A", AS SHOWN ON THIS PLAN LIES WHOLLY WITHIN THE LAND ACQUIRED BY THE COMMONWEALTH OF MASSACHUSETTS ON JANUARY 9, 1874 AND RECORDED IN THE MIDDLESEX SOUTH REGISTRY OF DEEDS IN BOOK 1292, PAGE 227. SAID LAND WAS DECLARED SURPLUS TO THE NEEDS OF THE DEPARTMENT OF CORRECTION PER ITS DECLARATION DATED AUGUST 10, 2010 AS REFERENCED IN CHAPTER 117 OF THE ACTS OF 2010.

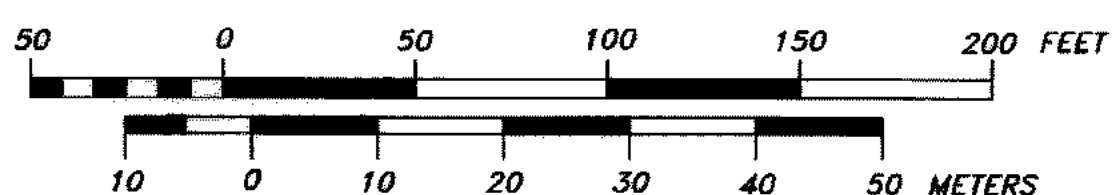
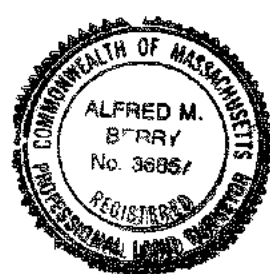
CERTIFICATIONS:

I CERTIFY THAT THE PREPARATION OF THIS PLAN CONFORMS TO THE RULES AND REGULATIONS OF THE REGISTERS OF DEEDS OF THE COMMONWEALTH OF MASSACHUSETTS.

FURTHERMORE, I HEREBY FURTHER CERTIFY THAT THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE PROCEDURAL AND TECHNICAL STANDARDS FOR THE PRACTICE OF LAND SURVEYING IN THE COMMONWEALTH OF MASSACHUSETTS.

Alfred M. Berry
ALFRED M. BERRY, P.L.S. 436857

DATE: 12/7/2012



OVERLAY DISTRICT AREAS:

WETLAND CONSERVANCY DISTRICT - 157,750 SQ. FT.±
FLOODPLAIN CONSERVANCY DISTRICT - 190,750 SQ. FT.±

MAP 8D, BLOCK 2168
WHALE ROCK LLC
BOOK 46705, PAGE 295

MAP 9D, BLOCK 2175
MATTHEW W. JOHNSON &
MARGOT B. KIMBALL
BOOK 28612, PAGE 209

TO STONE BOUND
AT COMMONWEALTH AVENUE
811.50'

MAP 9D, BLOCK 2176
PETER J. & EILEEN M.
KIMBALL
BOOK 14254, PAGE 288

TO CONCRETE BOUND
AT COMMONWEALTH AVENUE
628.85'

MAP 9D, BLOCK 2183-4
MARGARET MARY PEGGY PIZ
BOOK 24420, PAGE 5

MAP 9D, BLOCK 2183-CD
ASSABET RIVER REALTY LLC
BOOK 32540, PAGE 209

CONCORD PLANNING BOARD

APPROVAL UNDER THE SUBDIVISION CONTROL LAW
NOT REQUIRED.

Marcia Ost Rasmussen

December 19, 2012
DATE:

PLANNING BOARD ENDORSEMENT DOES NOT
CONSTITUTE CONFORMANCE WITH APPLICABLE
ZONING LAWS OF THE TOWN OF CONCORD.

MAP 9E, BLOCK 37941

NORMANDY CONCORD
ACQUISITION, LLC
BOOK 48668, PAGE 397

MASS. STATE PLANE COORDINATE SYSTEM

COMMONWEALTH OF MASSACHUSETTS

PARCEL A

12.8+ ACRES

EXECUTIVE ORDER 22EX, PAGE 479

SHEET NO.
1
OF
1

PLAN OF LAND IN CONCORD, MA

PREPARED FOR
THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF CAPITAL ASSET MANAGEMENT
AND MAINTENANCE ON BEHALF OF
THE DEPARTMENT OF CORRECTION

SURVEYOR: AMB ENGINEER: N/A
DRAFTING: AMB DESIGN: N/A
FIELD WORK: JEG, BC HORIZ SCALE: 1"=50'
PROJECT NO. 11-6002 VERT SCALE: N/A
DRAWING NAME: 6002CHDC DATE: NOVEMBER 9, 2012

REVISIONS

APPROVAL
NOT
REQUIRED

Places Associates, Inc.
Planning, Landscape Architecture,
Civil Engineering, Surveying
510 KING STREET, SUITE 9
LITTLETON, MA 01460
978.486.0334 Fax
978.486.0447
EMAIL places@verizon.net



Photographs



Site - Abandoned Materials Storage



Site - Monitoring Well



Site - Soil Pile



Site - Access Road



Site



Site



Research Documentation

6X Winthrop Street

6X Winthrop Street

Concord, MA 01742

Inquiry Number: 6436558.10

April 05, 2021

The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

04/05/21

Site Name:

6X Winthrop Street
6X Winthrop Street
Concord, MA 01742
EDR Inquiry # 6436558.10

Client Name:

Enstrat
28 Lord Rd
Marlborough, MA 01752
Contact: James Odriscoll



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2008	1"=500'	Flight Year: 2008	USDA/NAIP
1995	1"=500'	Acquisition Date: March 29, 1995	USGS/DOQQ
1985	1"=500'	Flight Date: March 16, 1985	USDA
1980	1"=500'	Flight Date: September 11, 1980	USDA
1978	1"=500'	Flight Date: May 12, 1978	USGS
1969	1"=500'	Flight Date: April 09, 1969	USGS
1963	1"=500'	Flight Date: April 27, 1963	USGS
1957	1"=500'	Flight Date: April 22, 1957	USGS
1952	1"=500'	Flight Date: June 16, 1952	USDA

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INQUIRY #: 6436558.10

YEAR: 2016

500'





INQUIRY #: 6436558.10

YEAR: 2012

— = 500'





INQUIRY #: 6436558.10

YEAR: 2008

— = 500'





INQUIRY #: 6436558.10

YEAR: 1995

— = 500'





INQUIRY #: 6436558.10

YEAR: 1985

— = 500'





INQUIRY #: 6436558.10

YEAR: 1980

— = 500'





INQUIRY #: 6436558.10

YEAR: 1978

1" = 500'



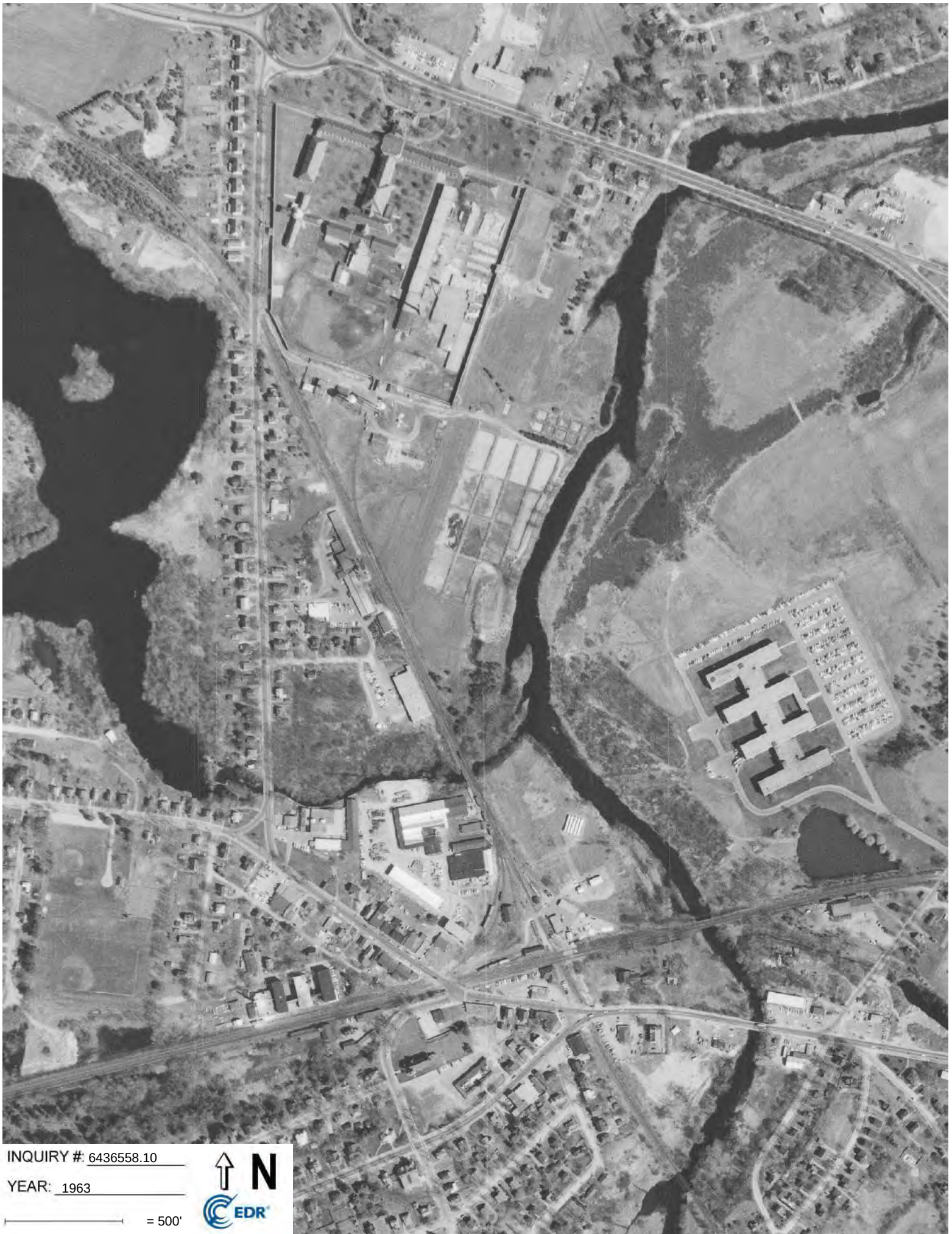


INQUIRY #: 6436558.10

YEAR: 1969

— = 500'





INQUIRY #: 6436558.10

YEAR: 1963

— = 500'





INQUIRY #: 6436558.10

YEAR: 1957

500'





INQUIRY #: 6436558.10

YEAR: 1952

— = 500'





6X Winthrop Street

6X Winthrop Street

Concord, MA 01742

Inquiry Number: 6436558.4

April 05, 2021

EDR Historical Topo Map Report

with QuadMatch™



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

04/05/21

Site Name:

6X Winthrop Street
6X Winthrop Street
Concord, MA 01742
EDR Inquiry # 6436558.4

Client Name:

Enstrat
28 Lord Rd
Marlborough, MA 01752
Contact: James Odriscoll



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Enstrat were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:**Coordinates:**

P.O.#	NA	Latitude:	42.460835 42° 27' 39" North
Project:	2013-139A	Longitude:	-71.394459 -71° 23' 40" West
		UTM Zone:	Zone 19 North
		UTM X Meters:	303128.66
		UTM Y Meters:	4703722.25
		Elevation:	128.94' above sea level

Maps Provided:

2012	1918
1987	1915
1979	1894
1970	
1965	
1950	
1949	
1943	

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets



Concord
2012
7.5-minute, 24000



Maynard
2012
7.5-minute, 24000

1987 Source Sheets



Maynard
1987
7.5-minute, 25000
Aerial Photo Revised 1981

1979 Source Sheets



Maynard
1979
7.5-minute, 25000
Aerial Photo Revised 1977



CONCORD
1979
7.5-minute, 25000
Photo Revised 1979

1970 Source Sheets



Concord
1970
7.5-minute, 24000
Aerial Photo Revised 1969

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1965 Source Sheets

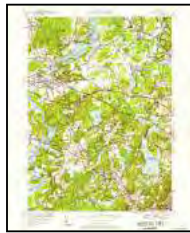


Maynard
1965
7.5-minute, 24000

1950 Source Sheets



Maynard
1950
7.5-minute, 24000



Concord
1950
7.5-minute, 24000

1949 Source Sheets



MAYNARD
1949
7.5-minute, 25000



CONCORD
1949
7.5-minute, 25000

1943 Source Sheets



Concord
1943
7.5-minute, 31680

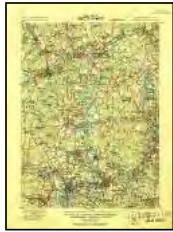


Maynard
1943
7.5-minute, 31680

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1918 Source Sheets



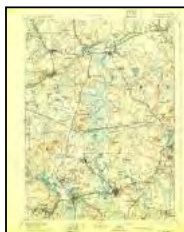
Framingham
1918
15-minute, 62500

1915 Source Sheets

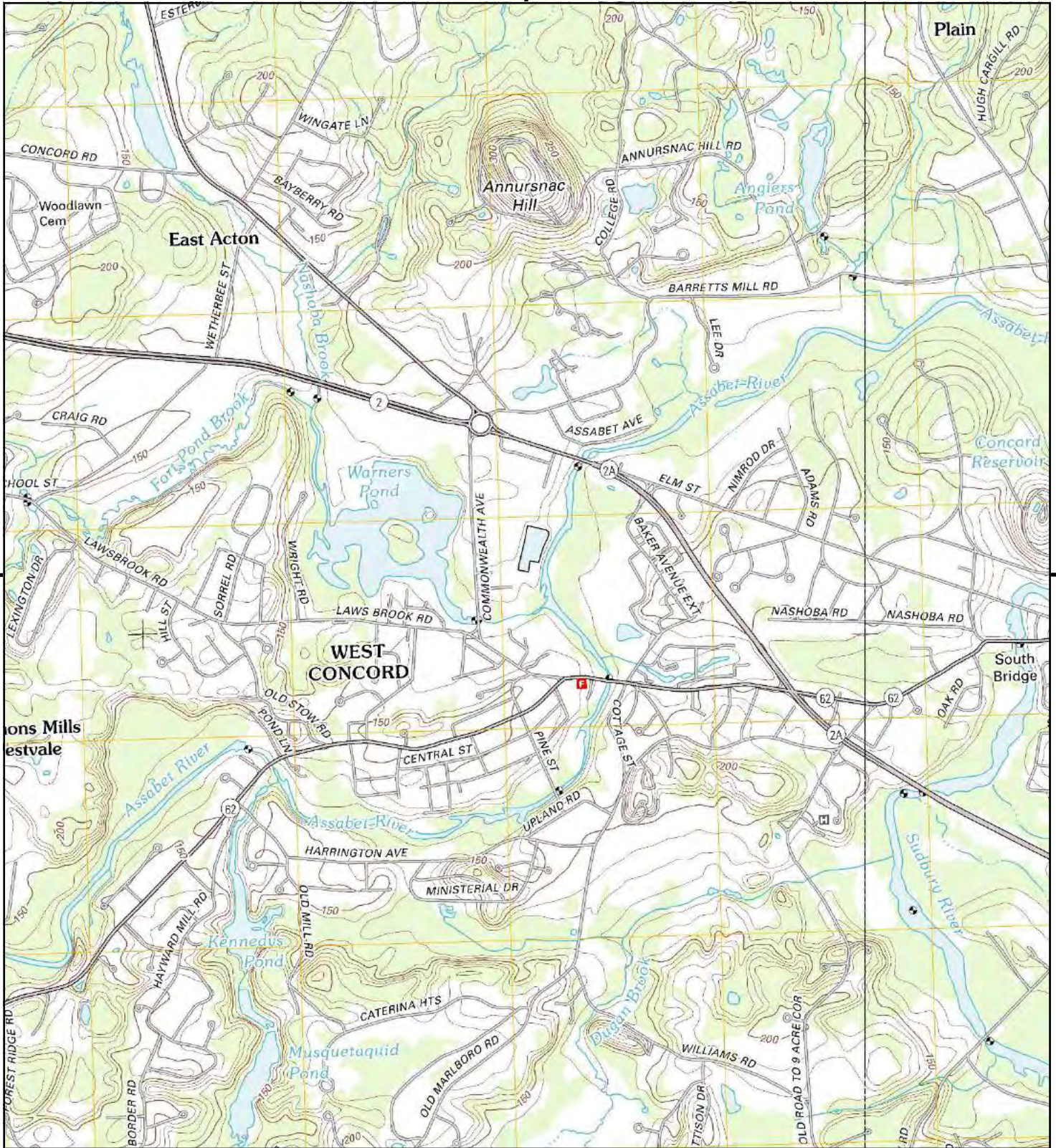


FRAMINGHAM
1915
15-minute, 62500

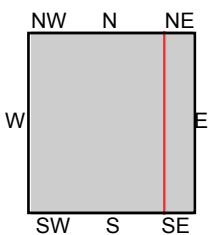
1894 Source Sheets



Framingham
1894
15-minute, 62500



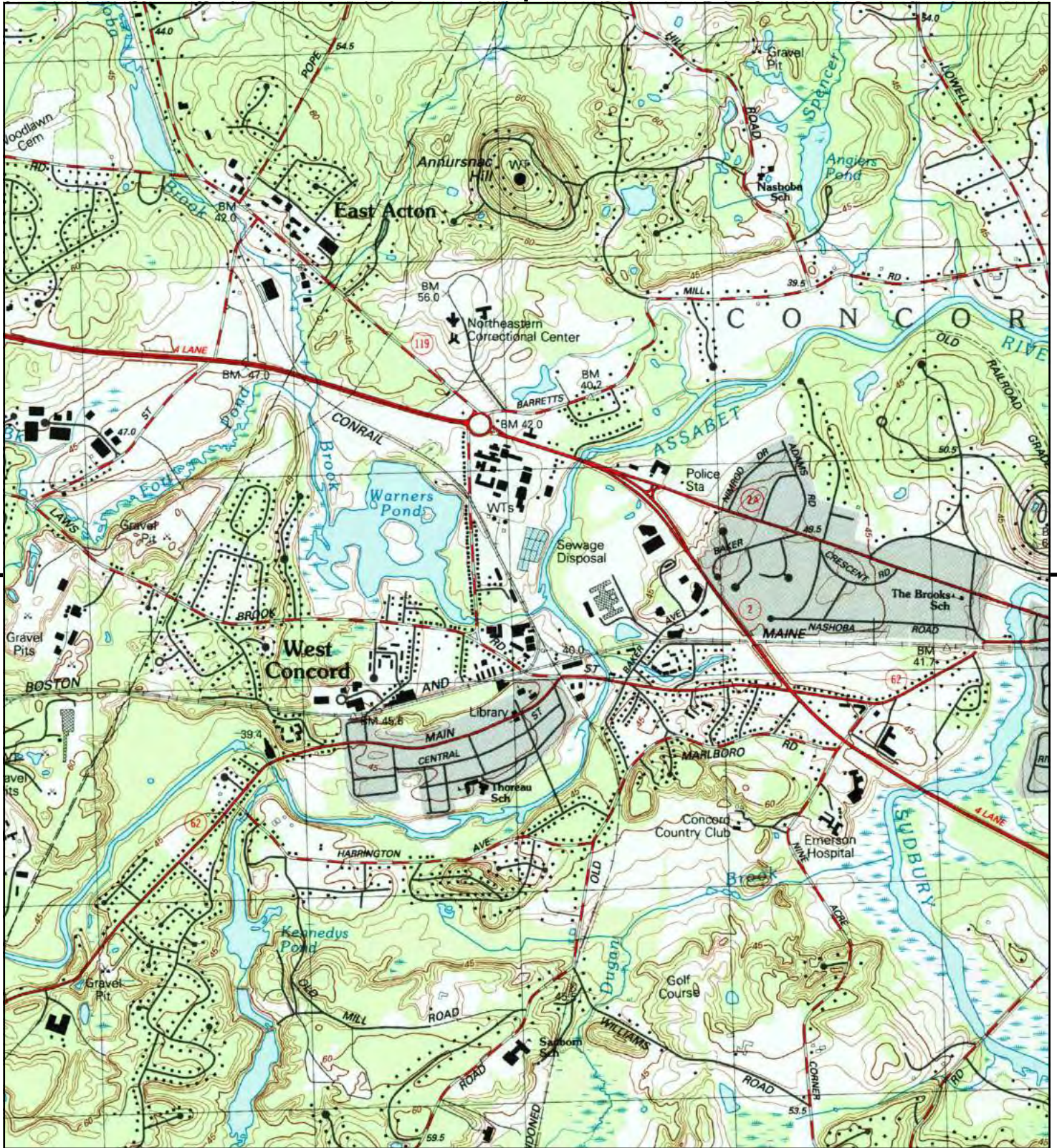
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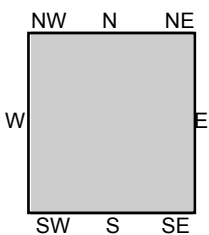
TP, Maynard, 2012, 7.5-minute
E, Concord, 2012, 7.5-minute

SITE NAME: 6X Winthrop Street
ADDRESS: 6X Winthrop Street
Concord, MA 01742
CLIENT: Enstrat





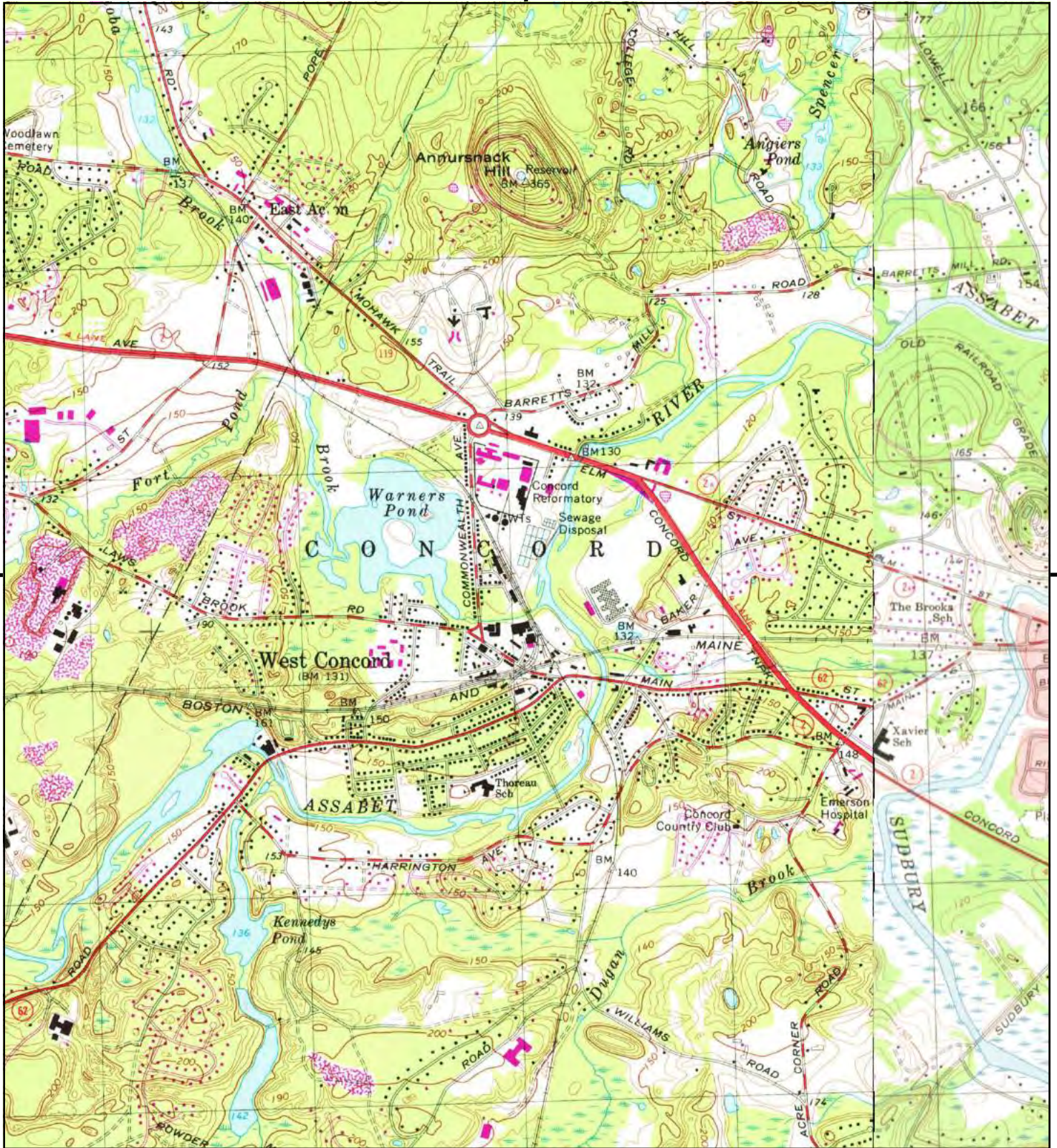
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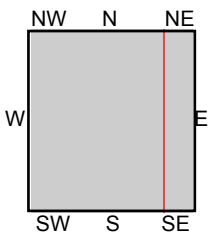
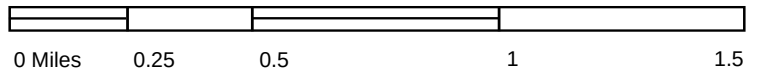
TP, Maynard, 1987, 7.5-minute

SITE NAME: 6X Winthrop Street
 ADDRESS: 6X Winthrop Street
 Concord, MA 01742
 CLIENT: Enstrat





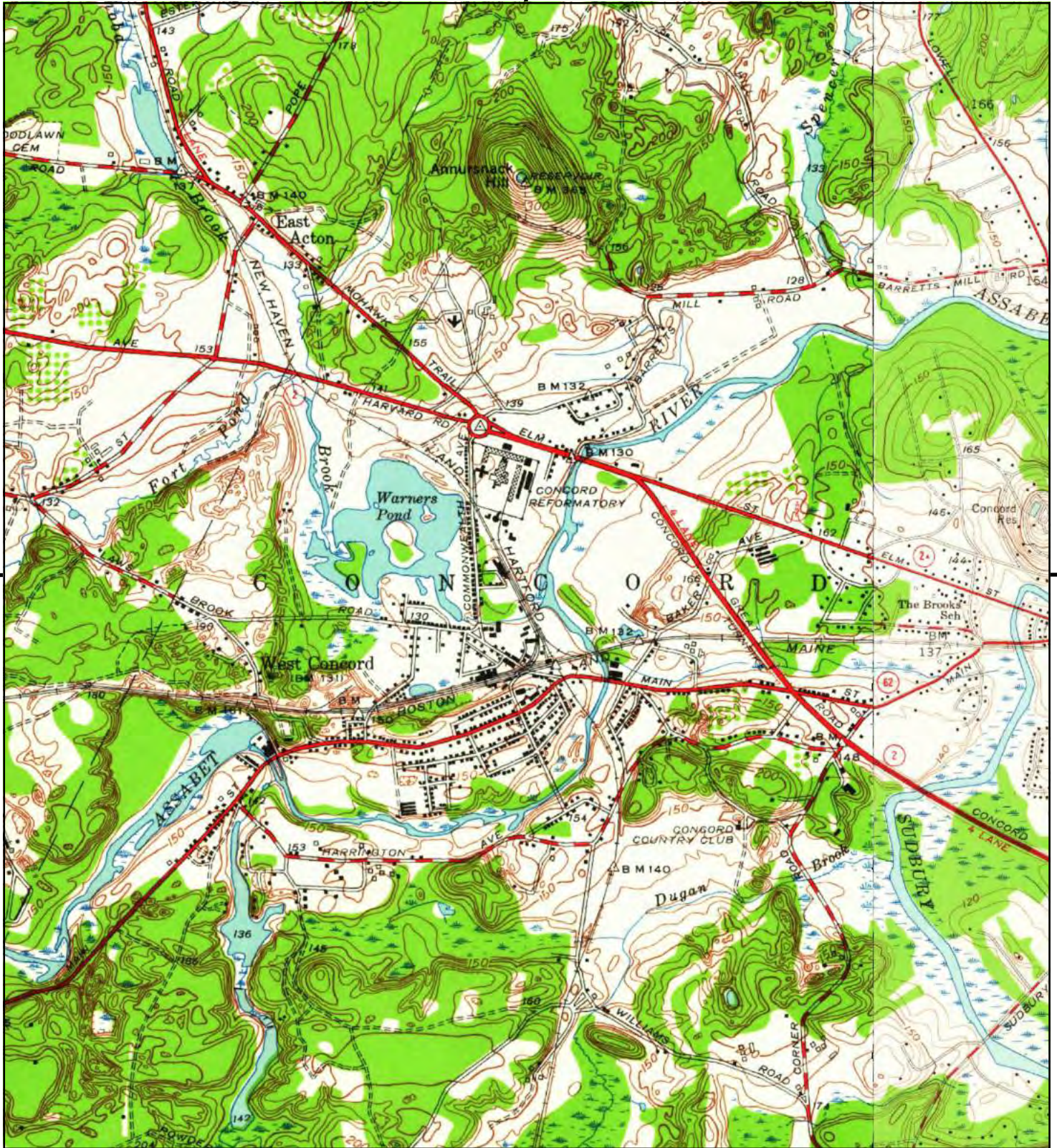
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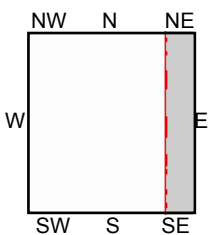
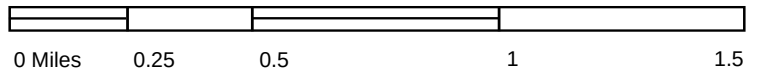
TP, Maynard, 1979, 7.5-minute
E, CONCORD, 1979, 7.5-minute

SITE NAME: 6X Winthrop Street
ADDRESS: 6X Winthrop Street
Concord, MA 01742
CLIENT: Enstrat





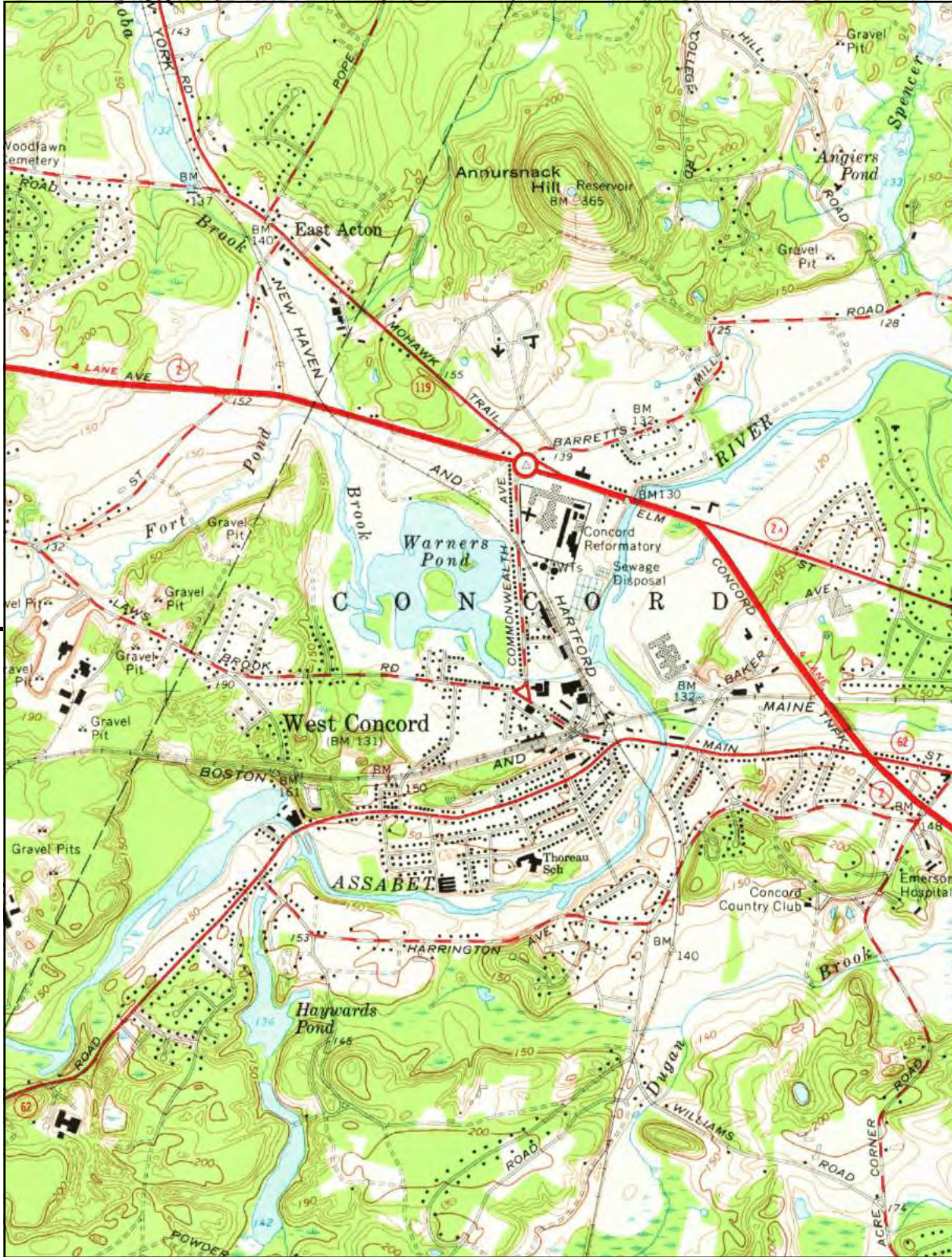
This report includes information from the following map sheet(s).



E, Concord, 1970, 7.5-minute

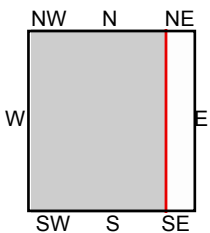
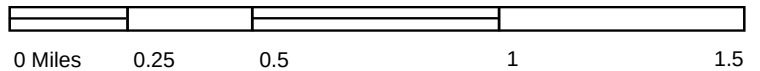
SITE NAME: 6X Winthrop Street
ADDRESS: 6X Winthrop Street
Concord, MA 01742
CLIENT: Enstrat





UNMAPPED
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UNMAPPED

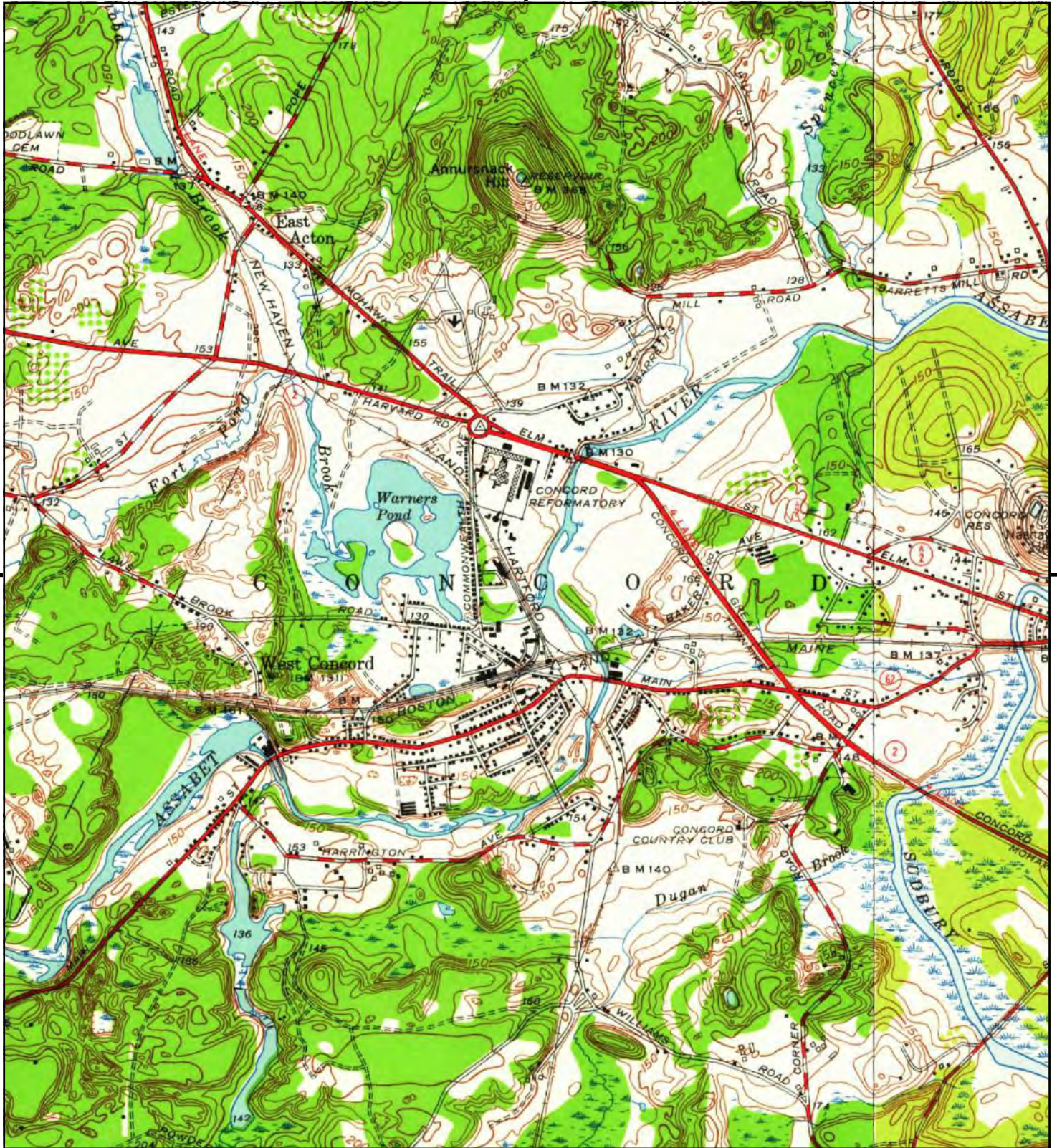
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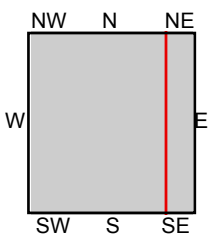
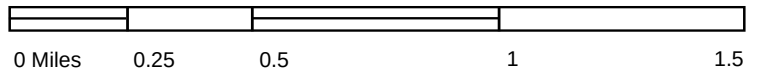
TP, Maynard, 1965, 7.5-minute

SITE NAME: 6X Winthrop Street
ADDRESS: 6X Winthrop Street
Concord, MA 01742
CLIENT: Enstrat





This report includes information from the following map sheet(s).



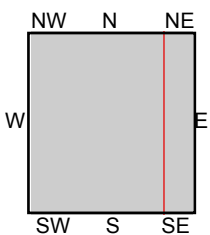
TP, Maynard, 1950, 7.5-minute
E, Concord, 1950, 7.5-minute

SITE NAME: 6X Winthrop Street
ADDRESS: 6X Winthrop Street
Concord, MA 01742
CLIENT: Enstrat





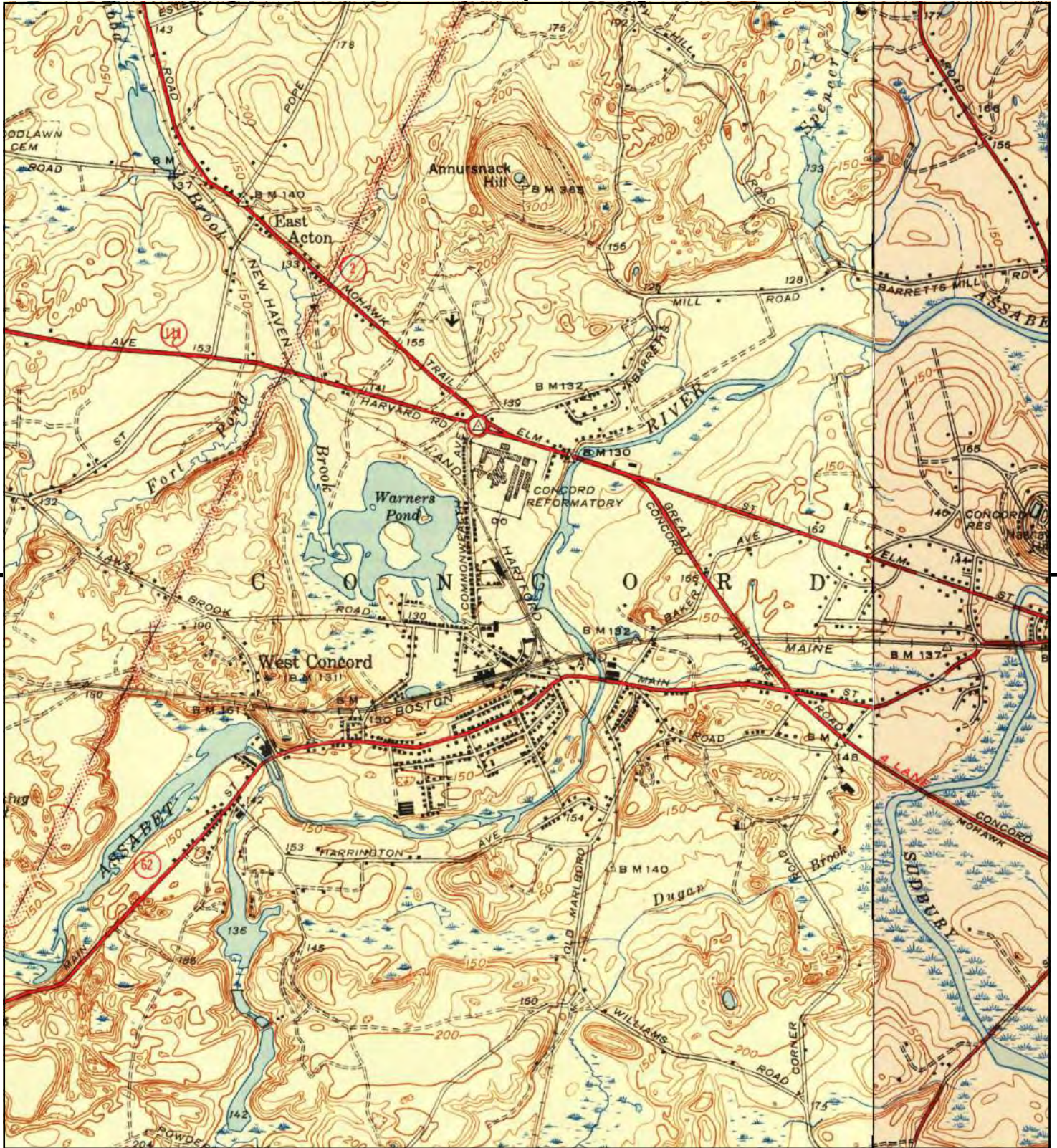
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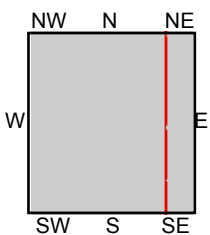
TP, MAYNARD, 1949, 7.5-minute
E, CONCORD, 1949, 7.5-minute

SITE NAME: 6X Winthrop Street
ADDRESS: 6X Winthrop Street
Concord, MA 01742
CLIENT: Enstrat





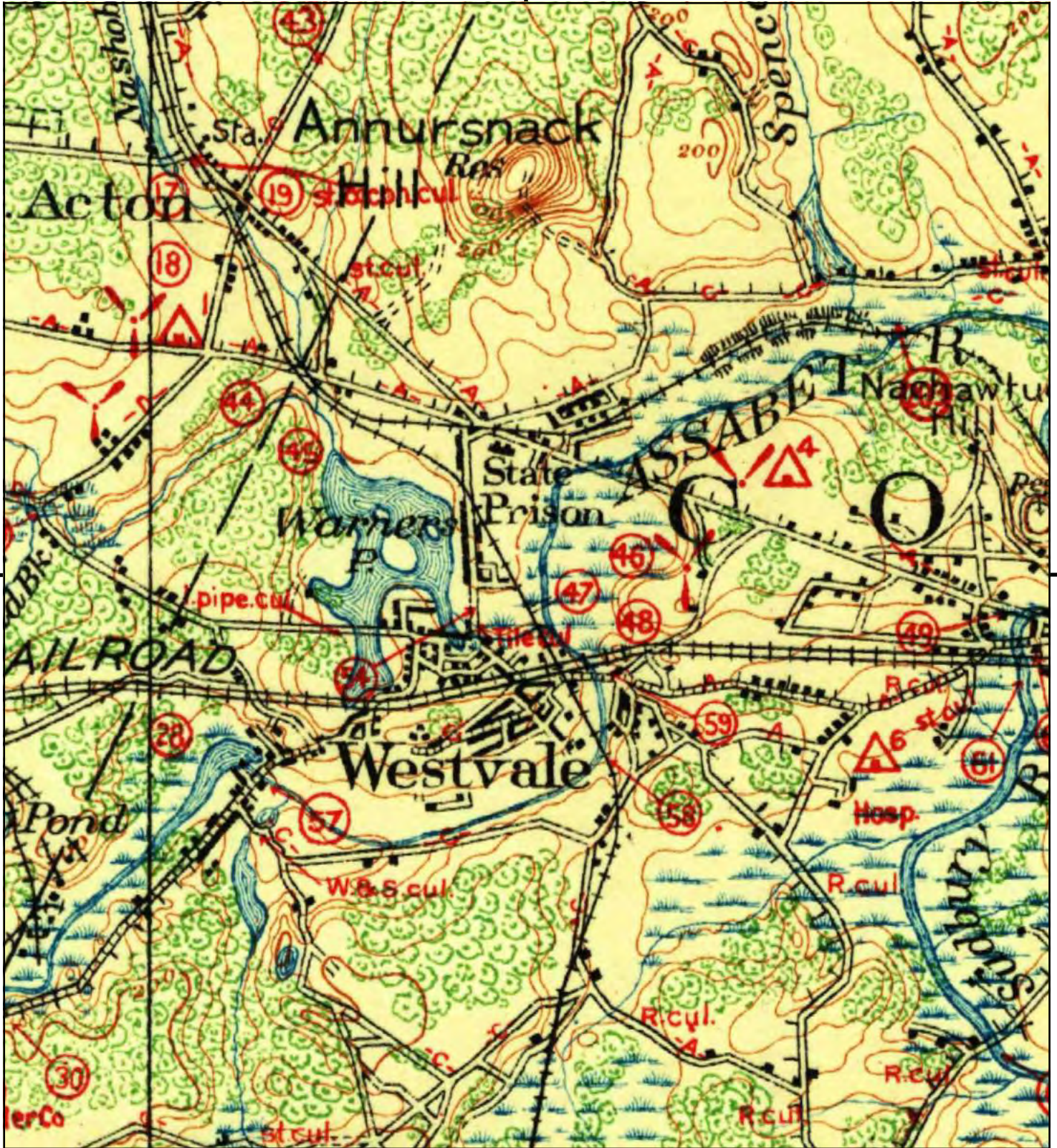
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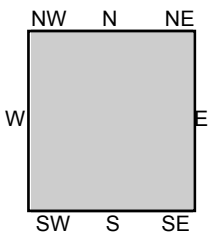
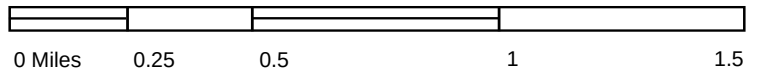
TP, Maynard, 1943, 7.5-minute
E, Concord, 1943, 7.5-minute

SITE NAME: 6X Winthrop Street
ADDRESS: 6X Winthrop Street
Concord, MA 01742
CLIENT: Enstrat





This report includes information from the following map sheet(s).



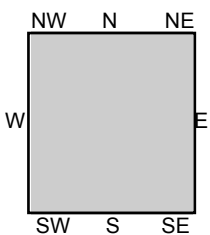
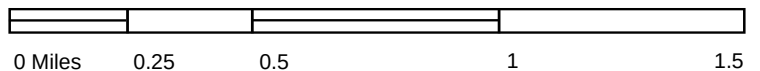
TP, Framingham, 1918, 15-minute

SITE NAME: 6X Winthrop Street
ADDRESS: 6X Winthrop Street
Concord, MA 01742
CLIENT: Enstrat





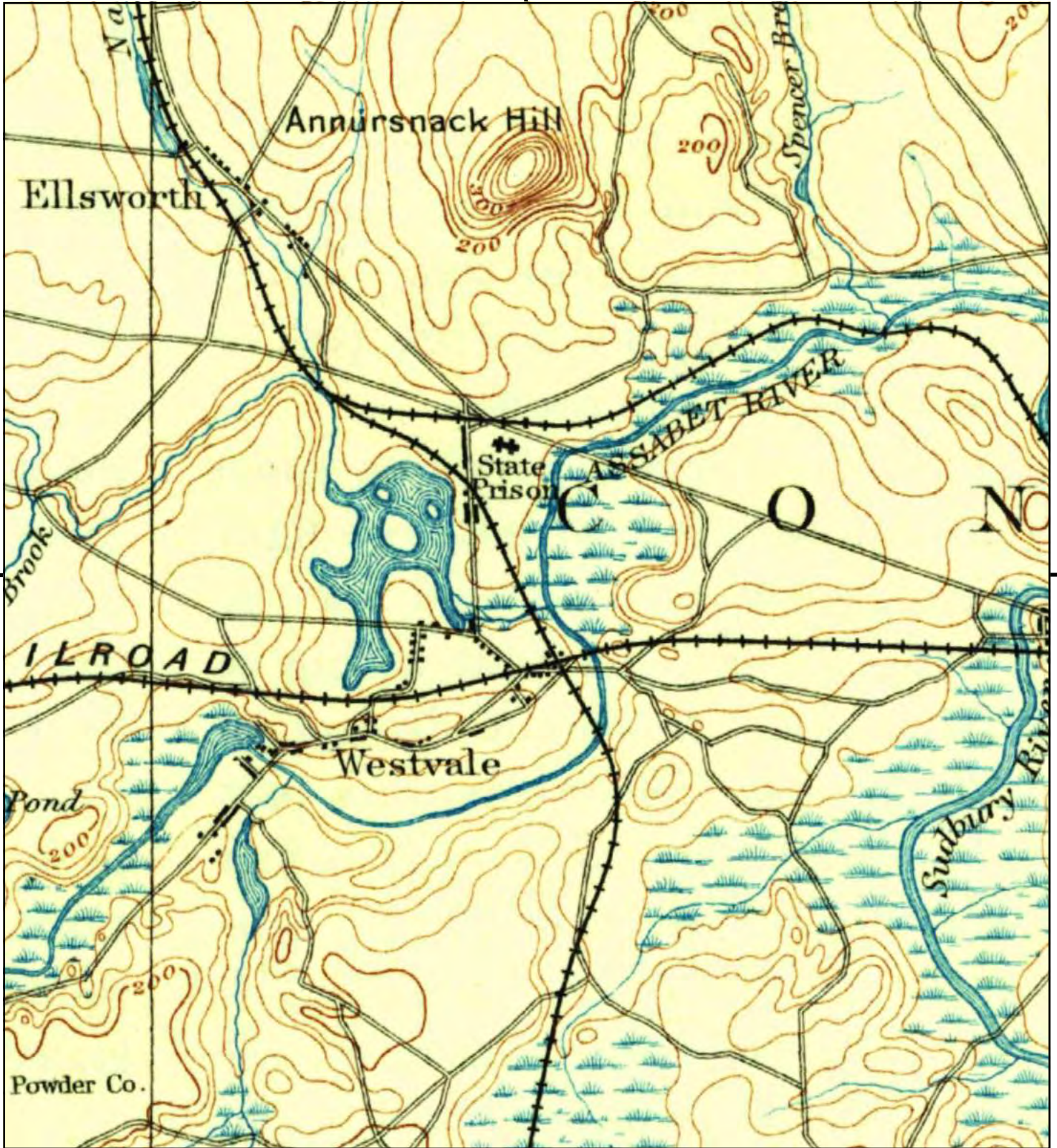
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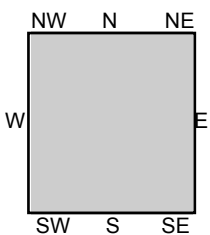
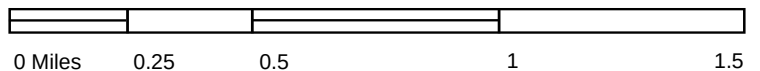
TP, FRAMINGHAM, 1915, 15-minute

SITE NAME: 6X Winthrop Street
ADDRESS: 6X Winthrop Street
Concord, MA 01742
CLIENT: Enstrat





This report includes information from the following map sheet(s).



TP, Framingham, 1894, 15-minute

SITE NAME: 6X Winthrop Street
ADDRESS: 6X Winthrop Street
Concord, MA 01742
CLIENT: Enstrat





6X Winthrop Street

6X Winthrop Street

Concord, MA 01742

Inquiry Number: 6436558.3

April 06, 2021

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6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

04/06/21

Site Name:

6X Winthrop Street
6X Winthrop Street
Concord, MA 01742
EDR Inquiry # 6436558.3

Client Name:

Enstrat
28 Lord Rd
Marlborough, MA 01752
Contact: James Odriscoll



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Certified Sanborn Results:

Certification # F6EF-40E0-8ABC

PO # NA

Project 2013-139A

Maps Provided:

1947
1927



Sanborn® Library search results

Certification #: F6EF-40E0-8ABC

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- ☒ Library of Congress
- ☒ University Publications of America
- ☒ EDR Private Collection

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Sanborn Sheet Key

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1947 Source Sheets

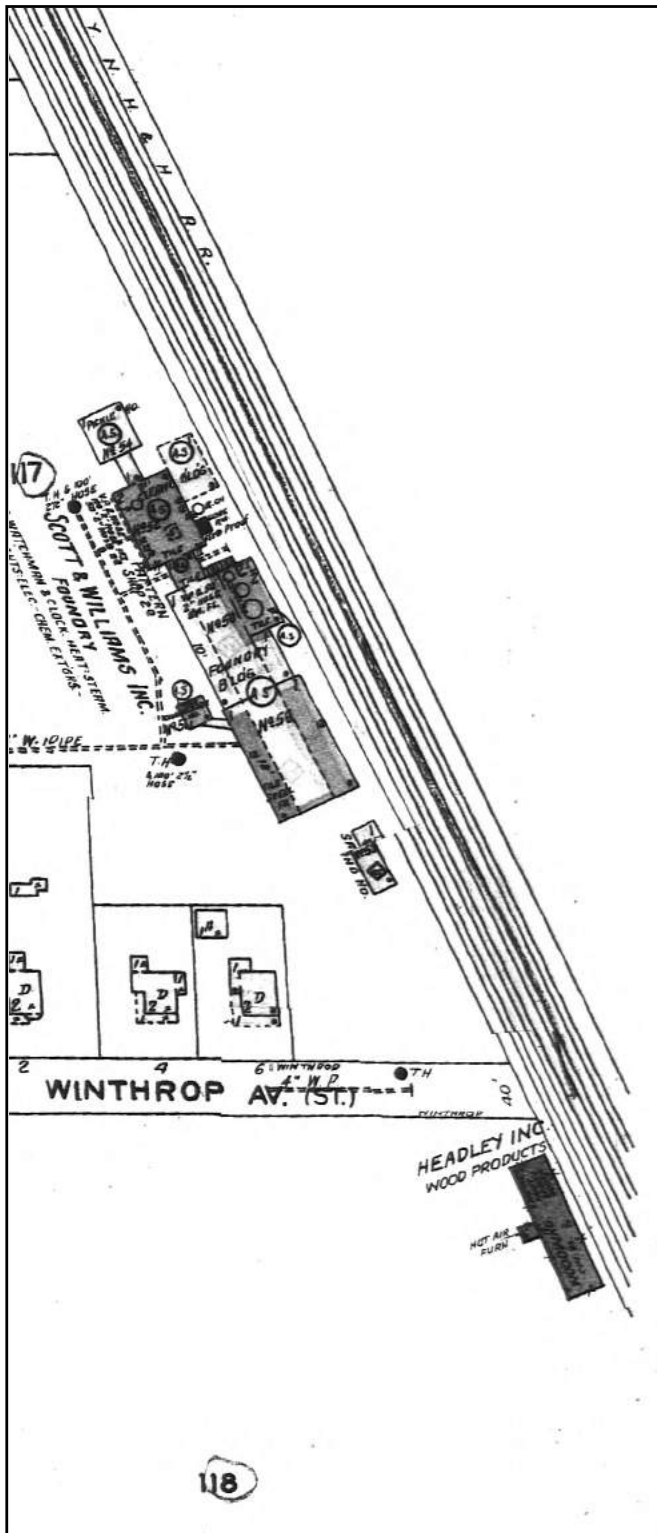


Volume 1, Sheet 12
1947

1927 Source Sheets



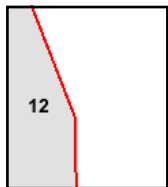
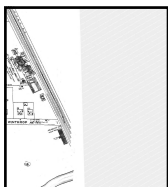
Volume 1, Sheet 12
1927



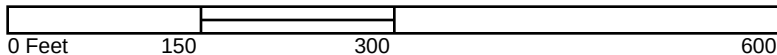
Site Name: 6X Winthrop Street
 Address: 6X Winthrop Street
 City, ST, ZIP: Concord, MA 01742
 Client: Enstrat
 EDR Inquiry: 6436558.3
 Order Date: 04/06/2021
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 Copyright 1947



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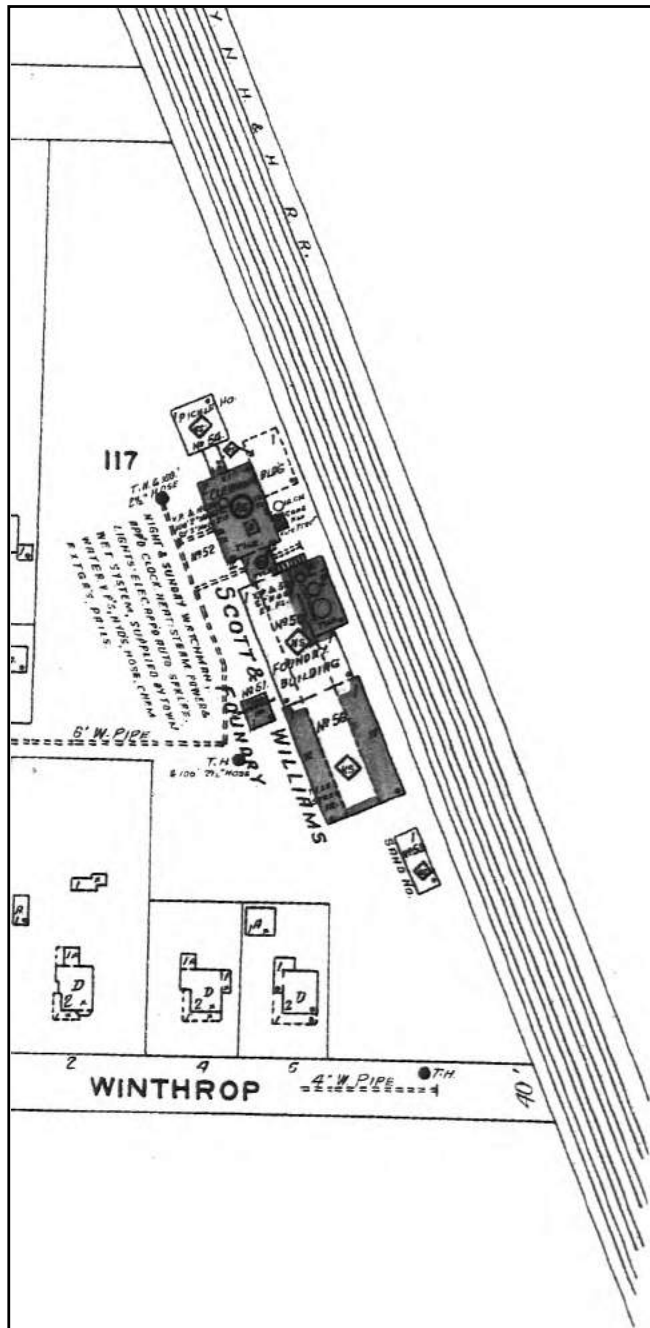
Volume 1, Sheet 12



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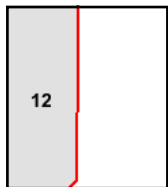


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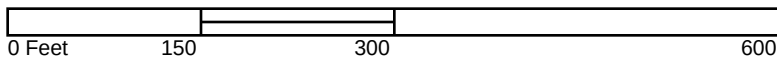
Site Name: 6X Winthrop Street
 Address: 6X Winthrop Street
 City, ST, ZIP: Concord, MA 01742
 Client: Enstrat
 EDR Inquiry: 6436558.3
 Order Date: 04/06/2021
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Volume 1, Sheet 12



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Certification # F6EF-40E0-8ABC



6X Winthrop Street

6X Winthrop Street
Concord, MA 01742

Inquiry Number: 6436558.11
April 09, 2021

The EDR-City Directory Image Report

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City Directory Images

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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RESEARCH SUMMARY

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<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2014	☒	☒	EDR Digital Archive
2010	☒	☒	EDR Digital Archive
2005	☒	☒	EDR Digital Archive
2000	☒	☒	EDR Digital Archive
1995	☒	☒	EDR Digital Archive
1992	☒	☒	EDR Digital Archive
1975	☒	☒	Cole Criss-Cross Directory

FINDINGS

TARGET PROPERTY STREET

6X Winthrop Street
Concord, MA 01742

<u>Year</u>	<u>CD Image</u>	<u>Source</u>

WINTHROP ST

2014	pg A4	EDR Digital Archive
2010	pg A7	EDR Digital Archive
2005	pg A10	EDR Digital Archive
2000	pg A13	EDR Digital Archive
1995	pg A16	EDR Digital Archive
1992	pg A19	EDR Digital Archive
1975	pg A21	Cole Criss-Cross Directory

FINDINGS

CROSS STREETS

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
<u>ELM ST</u>		
2014	pg. A2	EDR Digital Archive
2010	pg. A5	EDR Digital Archive
2005	pg. A8	EDR Digital Archive
2000	pg. A11	EDR Digital Archive
1995	pg. A14	EDR Digital Archive
1992	pg. A17	EDR Digital Archive
1975	pg. A20	Cole Criss-Cross Directory

City Directory Images

ELM ST 2014

12	BOYNTON, JOHN W
26	AUSTEN, CHRISTOPHER M
40	BARBERICH, TIMOTHY J
48	BARBERICH, TIM
56	ROSBOROUGH, DAVIS A
59	CHIARELL, VAUGHN
	VAUGHN, THOMAS J
62	BROOKS, DOUGLAS M
70	STAGER, DAVID
78	TOPOLCIC, CLAUDIO M
81	TRINITY EPISCOPAL CHURCH
94	OCCUPANT UNKNOWN,
106	LEFEBVRE, CURT C
134	DIMOCK, ALLYN
185	KELMAN, STEVEN J
225	OCCUPANT UNKNOWN,
230	MICHAELS, NANCY M
233	CREAMER, GREGORY L
238	MCNAMARA, THOMAS F
241	DADAGIAN, STEPHEN P
252	BRAMHALL, EVERETT K
253	BRIGGS, RICHARD D
263	THOMAS, STIRLING H
268	OCCUPANT UNKNOWN,
282	MONAHAN, SEAN M
285	OCCUPANT UNKNOWN,
294	OKUROWSKI, LEON F
314	WEBSTER, SCOTT A
353	PERKINS, MARTHA L
369	SYSTEMS SYNTHESIS INC
	THUT, ANDREW F
385	OCCUPANT UNKNOWN,
390	SMALL, BENJAMIN G
401	JAMES, KENNETH P
404	CHATEAUNEUF, DENNIS R
422	VULTAGGIO, KAREN A
427	WEITZMAN, JAMES I
460	WILLIAMS, JOHN R
467	MARTIN, C G
476	ROGERS, ELLEN S
481	HARBISON, NANCY
488	CONDON, JOHN P
502	COPLAND, THOMAS R
511	OCCUPANT UNKNOWN,
512	WASSERMAN, CHARLES S
524	MCQUILKIN, JOHN F
527	LAROCCA, LOUIS J
532	VIERSTRA, CATHLEEN M
539	LIONETTA, CARMINA R
542	HIGGINS, RICHARD P

ELM ST

2014

(Cont'd)

551	GROW, COLLEEN M
562	DOWNER, PATRICK E
565	STOUT, ROBERT D
615	KAVANAUGH, SEAN J
625	CALLAHAN, JOHN J
635	MCWALTER, STEPHEN W
659	KEREM SHALOM
676	CONCORD CENTER ACUPUNCTURE
	DOMUS INC
	KAZMAIER ASSOCIATES INC
	PREMIER MEDICAL WEIGHT LOSS CENTER
	THERESA PIOTROWSKI
686	CONCORD GAS
	CONCORD MOBILE
739	WALDEN, KEITH
740	A1 EXTERMINATORS
	BEST WESTERN
768	PAPA RAZZI RESTAURANT
794	ASIAN GOURMET
	MILLDAM LEASING SERVICE CO INC
	SUSHI HOUSE
874	MORGAN, PATRICIA A
894	BURKE, ROBERT W
906	COMMONWEALTH OF MASSACHUSETTS
	STATE POLICE
936	MASSACHUSETTS HIGHWAY DEPARTMENT
965	COMMONWEALTH OF MASSACHUSETTS
	MHM SERVICES INC
1175	CONCORD TOWN OF LIGHT PLANT BUSINESS
	TOWN OF CONCORD
1241	WU, XIAO J
1243	RANA, NASAR M
1245	DOUGAN, JARED M
1247	OCCUPANT UNKNOWN,
1249	SONI, AMIT
1251	ZUPAN, JAME
1253	KANG, JINGLIN
1255	OCCUPANT UNKNOWN,
1257	NASCIMENTO, ALEXANDER
1271	CHANG, RUTH Y
1273	KAPADIA, AYESHA
1275	CHIKKALA, RAVI K
1277	BOWDOIN, MICHAEL B
1279	SHTILYANOV, ANTON
1283	FRANK, MATTHEW B
1285	PICCIN, JASON B
1287	REED, ADAM L
1305	RATHORE, NAEEM D
1323	OH, SEUNG H
1341	BENNETT, FLO A

WINTHROP ST 2014

20	STOKES, ERIC M
21	OCCUPANT UNKNOWN,
30	PIZ, MARGARET M
31	FULTON, PETER J
39	CORMIER, DIANA M
	FLYNN, RYAN J
	NORDSTROM, CYNTHIA S
45	CHA CONSULTING INC
	CLOUGH HARBOUR & ASSOCIATES CHA
	FITNESS GROUP THE
	XXX XXX
56	BENKOV LAURA PHD
	BERMAN STANLEY J PSYCHOLGST
	CONCORD HEALTH CENTER THE
	DAVEY JOHN B
	DAVEY JOHN B PSYCHOLGST
	DIALYSIS CLINIC
	HARTWRIGHT PARTNERS INC
	MALIS CHARLES D PHYS
	PRATT MEDICAL GROUP NEPHROLOGY HYPER
	PRICE VALERIE MD
	ROBICHAUD JEFFREY CHIRPRCTR
	WILLIAMS SARAH DC

ELM ST 2010

12	BOYNTON, JOHN W
26	AUSTEN, CHRISTOPHER M
40	BARBERICH, TIMOTHY J
48	BARBERICH, TIM
56	ROSBOROUGH, DAVIS
59	VAUGHN, THOMAS J
62	BROOKS, DOUGLAS M
70	STAGER, DAVID
78	TOPOLCIC, CLAUDIO M
81	TRINITY EPISCOPAL CHURCH
94	MILLER, HOWARD P
134	DIMOCK, ALLYN
185	KELMAN, JODY M
193	LARSON, SUSAN
225	HUSS, KEITH
230	ABBOT, DAVID
233	CREAMER, BRIAN C
238	MCNAMARA, THOMAS F
241	DADAGIAN, STEPHEN P
252	BRAMHALL, EVERETT K
253	BRIGGS, RICHARD D
263	THOMAS, STIRLING H
268	WHEATON, ROBERT B
282	MONAHAN, SEAN M
285	SPRING, JOHN K
294	OKUROWSKI, LEON F
314	PEARSE, STEPHEN G
353	PERKINS, MARTHA L
369	RIDICK, CHRISTOPHER J
	SYSTEMS SYNTHESIS INC
380	BLACKHURST, JONES
390	BEAULIEU, MARTIN E
401	BROWN, OTIS S
404	CHATEAUNEUF, DENNIS R
422	WILSON, ELIZABETH J
427	WEITZMAN, JAMES I
460	WILLIAMS, JOHN R
467	GREELEY, DAVID J
476	ROGERS, ELLEN S
481	HARBISON, NANCY
488	CONDON, JOHN P
502	COPLAND, THOMAS R
511	TOROSSIAN, CARL K
512	WASSERMAN, CHARLES S
524	MCQUILKIN, MARY M
527	LAROCCA, LOUIS J
532	VIERSTRA, CATHLEEN M
539	LIONETTA, CARMINE R
542	HIGGINS, RICHARD P
551	FINAN, JAMES E

ELM ST

2010

(Cont'd)

562	DOWNER, PATRICK E
565	STOUT, ROBERT D
615	KAVANAUGH, SEAN J
625	CALLAHAN, JOHN J
635	MCWALTER, STEPHEN W
676	DIGI NOVATIONS INC
	KAZMAIER ASSOCIATES INC
686	CONCORD GAS
740	A 1 EXTERMINATORS
	BEST WESTERNHISTORIC CONCORD
768	PAPA RAZZI
794	CHINA TRADE RESTAURANT
	HANA MIZUKI JAPANESE STEAK HSE
	MILLDAM LEASING CO
	SUSHI HOUSE
874	MORGAN, PATRICIA A
894	SESSUM, PATRICIA A
906	COMMERCIAL VEHICLE ENFORCEMENT
1257	DURKIN, JOHN D
1273	KAPADIA, AYESHA
1275	CHIKKALA, RAVI K
1277	SHERMAN, SARA K
1279	SHTILYANOV, ANTON
1281	KUMAR, MANISH
1283	FRANK, MATTHEW B
1285	ONEILL, JOHN F
1287	REED, ADAM L
1305	RATHORE, NAEEM G
1323	CHO, ILKYUNG
1341	BENNETT, FLO A

WINTHROP ST 2010

20	STOKES, ERIC M
21	JOHNSON, MATTHEW W
30	PIZ, MARGARET M
31	FULTON, PETER J
39	CODDING, AMY H
	CORMIER, DIANA M
	FLYNN, JOSEPH A
	JOHN R FLYNN INC
45	CHA
	CLOUGH HARBOUR & ASSOC
	CONCORD ARCHITECTS
	FITNESS GROUP
	NANOMETRICS INC
56	BENKOV LAURA
	BERMAN STANLEY J
	CONCORD CLINIC
	CONCORD CLINICAL HEALTH CTR
	CONCORD PSYCHOLOGICAL ASSOC
	DIALYSIS CLINIC INC
	GASEK PAMELA
	HART, CHRISTOPHER
	HARTWRIGHT CO
	HARTWRIGHT PARTNERS INC
	PRATT MEDICAL GROUP

ELM ST 2005

12 OCCUPANT UNKNOWN,
26 ANDREWS, BILL D
40 BARBERICH, TIMOTHY J
NEWCASTLE HOLDINGS LLC
48 GEBRIAN, EILEEN
56 YEOMANS, THOMAS R
59 TURNER, CHRIS R
62 OCCUPANT UNKNOWN,
70 OCCUPANT UNKNOWN,
78 TOPOLCIC, CLAUDIO H
81 TRINITY EPISCOPAL CHURCH
87 GLAZER, LEONARD C
94 DEERI, CHRISTOPHER
106 OCCUPANT UNKNOWN,
134 DIMOCK, ALLYN
185 KELMAN, STEVEN J
193 LARSON, SUSAN
196 LARSON, DANIEL L
225 DEMAY, KENNETH D
230 ABBOT, DAVID
233 OCCUPANT UNKNOWN,
238 MCNAMARA, THOMAS F
241 SCALLOP, MOON B
252 BRAMHALL, EVERETT K
253 BRIGGS, RICHARD D
263 BUCKLAND, ARTHUR R
FIRST AED INC
268 WHEATON, ROBERT B
282 CHENEY, PHILIP W
285 SPRING, JOHN K
314 OCCUPANT UNKNOWN,
353 GAY, BRADFORD K
369 GUSTAVSON, ROBERT
380 SMITH, DONALD S
390 WINSTANLEY, ADAM O
401 OCCUPANT UNKNOWN,
404 RUSSELL, ALBERT H
422 WILSON, ELIZABETH H
427 HUGHES, GERALD T
460 WILLIAMS, JOHN R
467 GREELEY, DAVID J
476 ROGERS, ELLEN S
481 OCCUPANT UNKNOWN,
488 CONDON, JOHN P
502 HESSE, KARYN A
511 TOROSSIAN, CARL K
512 OCCUPANT UNKNOWN,
524 MCQUILKIN, MARY M
527 NARASIMHAN, CHAKRAVARTHY S
532 VIERSTRA, CATHLEEN M

ELM ST**2005****(Cont'd)**

539	LIONETTA, CARMINE M
542	HIGGINS, RICHARD P
551	FINAN, JAMES E
562	FORRANT, GERTRUDE S
565	STOUT, ROBERT D
615	KAVANAUGH, SEAN J
625	CALLAHAN, ROBIN C
635	MCWALTER, STEPHEN W
740	BEST WESTERN AT HISTORIC CONCORD
768	PAPA RAZZI
794	CHING, CHIHHSU M
	MILLDAM LEASING CO
874	MORGAN, DAN J
894	BURKE, ROBERT W
1245	LABOUNTY, JOHN E
1257	MATHIS, EVELYN J
1273	LIVINGSTONE, PETER J
1287	REED, ADAM L
1305	RATHORE, NAEEM G
1323	YU, HONGSHI S
1341	BENNETT, FLO A

WINTHROP ST 2005

20	DREW, MICHAEL E
21	JOHNSON, MATTHEW W
30	PIZ, MARGARET M
31	FULTON, PETER J
39	FLYNN JOHN R INC
	FLYNN, JOHN R
45	FITNESS GROUP THE
	SOLURIS INC
	THE FITNESS GROUP
56	GASEK PAMELA
	HARTWRIGHT PARTNERS INC
	JANET K BEATY
	JEFFREY ROBICHAUD
	MALIS CHARLES D

ELM ST 2000

12	OCCUPANT UNKNOWN,
19	OCCUPANT UNKNOWN,
22	OCCUPANT UNKNOWN,
26	ANDREWS, BILL
	MOORE, STEVEN M
40	BARBERICH, TIMOTHY
	GEBRIAN, EILEEN
48	INGHAM, B
56	YEOMANS, THOMAS
59	LIANG, SAMUAL
62	OCCUPANT UNKNOWN,
70	STAGER, L
77	OCCUPANT UNKNOWN,
78	TOPOLCIC, CLAUDIO
94	FONDRIEST, FABIAN J
106	DANE, HENRY J
185	KELMAN, STEVEN
	METZENBAUM, SHELLEY
196	WEEKS, BIRCH
225	DEMAY, KENNETH
	TAN, ELIZA
230	ABBOT, C A
233	ONEIL, SEAN P
238	MCNAMARA, TOM
241	BLACK, STANLEY E
	SUDLER, LELI
252	BRAMHALL, EVERETT
253	BRIGGS, RICHARD D
263	BUCKLAND, ART
268	WHEATON, ROBERT
282	CHENEY, PHILIP W
285	SPRING, JOHN K
314	OCCUPANT UNKNOWN,
353	GAY, B
369	GUSTAVSON, ROBERT J
380	MILLARD, JOHN D
389	OCCUPANT UNKNOWN,
401	JAMES, BRANDY L
404	RUSSELL, ALBERT
	TANABE, STEVEN
422	WILSON, E H
427	HUGHES, GERALD T
460	WILLIAMS, JOHN
467	OCCUPANT UNKNOWN,
476	LEA, F G
481	MACSWAN, JOHN P
	MCSWAN, E M
	SMITH, JACQUE R
488	WAKI, BAKU
502	COPLAND, RICK

ELM ST

2000

(Cont'd)

502	HESSE, K
511	OCCUPANT UNKNOWN,
512	KUSSIN, WILLIAM F
524	MCQUILKIN, MARY M
527	OCCUPANT UNKNOWN,
532	VIERSTRA, C
539	LIONETTA, CARMINE
542	HIGGINSRICHARD, P
551	FINAN, JAMES
562	FORRANT, G S
565	R D STOUT ASSOCIATES
	STOUT, ROBERT D
615	KAVANAGH, SEAN
625	CALLAHAN, JOHN
635	MCWALTER, STEPHEN
659	KEREM SHALOM
676	EASTERN SPORTS SALES
	U SPORT AMERICA
	WORLDTEK CONCORD
686	CONCORD TEXACO
740	BEST WESTERN AT HISTORIC COMPANY
768	PAPA RAZZI
794	BERTOLAMI LEO
	CHINA TRADE RESTAURANT
	MILLDAM LEASING COMPANY
	OCCUPANT UNKNOWN,
	SUSHI HOUSE
	WAYSIDE MANAGEMENT CORPORATION
874	MORGAN, PATRICI
894	BURKE, ROBERT
906	MASS COMMONWEALTH OF COMMERCIAL VEHICLE
	MASS COMMONWEALTH OF STATE POLICE
	STATE POLICE
965	AMANTI E SONS INCORPORATED
	MASS COMMONWEALTH OF CORRECTION DEPARTMENT
1175	CONCORD TOWN OF LIGHT PLANT
1245	LABOUNTY, JOHN E
1257	MATHIS, EVELYN J
1273	FAULKNER, BURTON F
1287	REED, ADAM
	STOTZ, SHARON
1305	RATHORE, NAEEM G
1323	BLUE, JEFF
	WINNICK, MARTY
1341	BENNETT, CRAIG

WINTHROP ST 2000

15	VERMOTGAUD, ALBINE
21	JOHNSON, MATTHEW
	KIMBALL, MARGOT
30	PIZ, P
31	FULTON, PETER
38	OCCUPANT UNKNOWN,
39	FLYNN JOHN R INCORPORATED
	FLYNN, JOSEPH
	NICKERSON BENJANIN ARCHT
45	DATA PLUS INCORPORATED
	GROTON TECHNOLOGY INCORPORATED
	INTERACTIVE VIDEO SYSTEMS INCORPORATED
	IVS
	LOHSAWAT, DAN
	SCHWARTZ ELECTRO OPTICS INCORPORATED
56	AMERICAN SITE FURNITURE COMPANY INCORPORATED
	ASF
	BEATY JANET K MD
	BEATY JANET NATUROPATHIC PHYSICIAN
	BENCH MANUFACTURING COMPANY
	BRAGG PAMELA
	CONCORD CLINIC THE
	FAULKNER FINANCIAL SERVICES
	GASEK PAMELA
	MALIS CHARLES D PHYS
	NORTH BRIDGE DIRECT INCORPORATED
	ROBICHAUD JEFFREY CHIRPRCTR

ELM ST 1995

12	MURPHY, RICHARD A & JILL MURPHY, ROSS
26	ANDREWS, SHIRLEY & BILL MOORE, STEVEN M NELSON, BARRY R
40	CUNNINGHAM, SCOTT & SUSAN
48	INGHAM, BENJAMIN
56	YEOMANS, THOS YEOMANS, THOS & ANNE
59	KOSICKI, JOHN L SOUTHBRIDGE ASSOCIATES
70	BUTCHER, WM S
78	TOPOLCIC, CLAUDIO
81	EPISCOPAL CHURCH IN CONCORD TRINITY EPISCOPAL CHURCH
94	EBERLE, WM D GORDON, B JOAN
106	DANE, HENRY J, LWYR-RES DANE, JOYCE G
185	LEE, TRUST LEE, YOUNG RAN
196	WEEKS, BIRCH
225	DEMAY, KENNETH TAN, E
230	ABBOT, C A
233	O'NEIL, SEAN P
238	NICHOLS, SAML Q
241	BLACK, STANLY SUDLER, LELI
252	BRAMHALL, EVERETT & JUDY
253	BRIGGS, RICHARD D JR & MARGARET QUINN, KIMBERLY A
263	BUCKLAND, ART & EUNICE
268	WHEATON, B WHEATON, ROBT & BARBARA
282	CHENEY, PHILIP W
285	SPRING, JOHN K
314	SCOTT, RALPH H, 2ND, MD
353	GAY, BRADFORD & ALYSON K
380	MILLARD, JOHN D & JANE L
401	ARMSTRONG, MARSHALL J
404	RUSSELL, ALBERT SAWIN, JANET SVERRISSON, FREYR
422	WILSON, ELIZABETH H
427	ANTHONY, ETHAN & LUZ
460	WILLIAMS, JOHN & RITA
467	POWELL, RIDGWAY & FRAN
481	MACSWAN, JACK
502	COPLAND, RICK

ELM ST

1995

(Cont'd)

502	HESSE, K
511	TOROSSIAN, CARL K
512	KUSSIN, WM F, JR
524	MCQUILKIN, JOHN F
527	BIRK, A
	BIRK, L
532	VIERSTRA, BRUCE & CATHLEEN
539	LIONETTA, CARMINE & ROSEMARY
542	BARLOW, F
	HIGGINS, RICHARD
551	MOULTON, FRANKLIN V
562	FORRANT, G S
565	STOUT, ROBT D & INGRID E
615	FARRIER, PATSY
625	YATES, M
635	MCWALTER, STEPHEN
659	KEREM SHALOM
676	EASTERN SPORTS SALES
	KAZMAIER ASSOC
	KAZMAIER ASSOCIATES INC
	USPORTAMERICA
	WORLDTEK CONCORD
686	CONCORD TEXACO
740	HOWARD JOHNSON-PLAZAS HOTELS & LODGES-NATIONWIDE RESERVATION
768	PAPA RAZZI
794	BERTOLAMI, LEO
	CHINA TRADE RESTAURANT
	MILLDAM LEASING CO
	WAYSIDE MANAGEMENT CORP
874	MORGAN, PATRICIA
906	MASS COMM STATE POLICE TRAFFIC DIVISIONN
	MASS COMM STATE POLICEE
	NYS STATE POLICEE
965	MASS COMM CORRECTION DEPT MCI CONCORDD
1245	LABOUNTY, JOHN E
1257	MATHIS, ERNEST J
1287	REED, ADAM
	STOTZ, SHARON
1323	BLUE, JEFF
	WINNICK, MARTY
1341	BENNETT, CRAIG & FLORENCE

WINTHROP ST 1995

20	RICHARDSON, R L RICHARDSON, ROBT L SHOHET, L E
30	PIZ, P
31	FULTON, PETER & ELLEN
39	CHEEK, MARION A & ILIANA FLYNN JOHN R INC HORNE BUILDERS CORP NORDSTROM, CINDY
45	ASANO LIMITED BRIGGS INTERDATA DATA PLUS INC GROTON TECHNOLOGY INC INTERACTIVE VIDEO SYSTEMS INC IVS SCHWARTZ ELECTRO-OPTICS INC SHINTRON CO INC
56	AMERICAN SITE FURNITURE CO INC BENCH MANUFACTURING CO CENTER FOR PEACE CONCORD ASSABET ADOLESCENT SERVICES INC FAULKNER FINANCIAL SERVICES

ELM ST 1992

12	MURPHY, RICHARD A & JILL
26	ANDREWS, WM D & SHIRLEY
40	BRECKENRIDGE, JAS L
	CUNNINGHAM, SCOTT M
48	INGHAM, BENJAMIN
56	YEOMANS, THOS
	YEOMANS, THOS & ANNE
59	KOSICKI, JOHN L
62	DEXTER, PARKER J & HELEN R
70	BUTCHER, WM S
78	TOPOLCIC, CLAUDIO
81	EPISCOPAL CHURCH IN CONCORD
	TRINITY EPISCOPAL CHURCH
94	DEERING, C P
	DEERING, CHRISTOPHER P
106	DANE, HENRY J, LWYR-RES
	DANE, JOYCE G
	WASHKEN, VERONICA J
185	DULL, MICHAEL
196	WEEKS, BIRCH
225	DEMAY, KENNETH
	TAN, E
230	ABBOT, C A
233	O'NEIL, SEAN P
238	NICHOLS, SAML Q
241	BLACK, STANLY
	SUDLER, LELI
252	BRACKER, E F
253	BRIGGS, RICHARD D JR & MARGARET
263	EDES, RICHMOND T & ROSALIE A
268	WHEATON, ROBT & BARBARA
282	BERKEY, ROBT P
285	SPRING, JOHN K
314	SCOTT RALPH H, 2ND, MD
353	HALSTEAD, J B
	SHAW, ALAN B
380	MILLARD, JOHN D & JANE L
401	ARMSTRONG, MARSHALL J
404	HENDRICK, R H
	RUSSELL, ALBERT
422	WILSON, ELIZABETH H
427	SPOONER, KENNETH
460	WILLIAMS, JOHN & RITA
467	POWER, DAVID
481	MACSWAN, JACK
502	HESSE, HENRY R
511	TOROSSIAN, CARL K
512	KUSSIN, WM F, JR
524	MCQUILKIN, JOHN F
527	BIRK, A

ELM ST

1992

(Cont'd)

532	VIERSTRA, BRUCE & CATHLEEN
539	LIONETTA, CARMINA & ROSEMARY
542	BARLOW, F
	HIGGINS, RICHARD
551	MOULTON, FRANKLIN V
562	FORRANT, G S
565	STOUT, ROBT D & INGRID E
615	FARRIER, PATSY
625	YATES, RICHARD R
635	MCWALTER, STEPHEN
659	KEREM SHALOM
676	ATLANTIC SPORTS
	BIKE ATHLETIC
	EASTERN SPORTS
	EASTERN SPORTS SALES
	HORIZON MARKETING
	KAZMAIER ASSOC
	KAZMAIER ASSOCIATES INC
	KSG INC
	MARKSMAN PRODUCTS
	PONY USA
	USPORTAMERICA
686	CONCORD TEXACO
740	HOWARD JOHNSON-HOTELS SUITES & LODGES
768	ENGLANDER COACH LINES
	HOWARD JOHNSON RESTAURANT
	VERMONT TRANSIT
794	APPLEBY & WYMAN TRAVEL SERVICE
	MILLDAM LEASING CO
	WAYSIDE MANAGEMENT CORP
874	MORGAN, PATRICIA
885	CUNHA, FRANK G
894	CALLAHAN, EUGENE
906	MASS COMM STATE POLICE
	MASS COMM STATE POLICE TRAFFIC DIVISION
	NYS STATE POLICE
965	MASS REFORMATORY
1245	LABOUNTY, JOHN E
1257	MATHIS, ERNEST J
1273	RICE, KATARINA
1287	REED, ADAM
	STOTZ, SHARON
1341	BENNETT, CRAIG & FLORENCE

WINTHROP ST 1992

20	SQUIBB, GAEL & LEE
21	BUTT, RICHARD & SUSAN
31	FULTON, PETER & ELLEN
39	CHEEK, MARION A & ILIANA
	FLYNN JOHN R INC
	HORNE BUILDERS CORP
	NORDSTROM, CINDY
45	GROTON TECHNOLOGY INC
	INTERACTIVE VIDEO SYSTEMS INC
	IVS
	SCHWARTZ ELECTRO-OPTICS INC
	SHINTRON CO INC
56	BENCH MANUFACTURING CO
	CENTER FOR PEACE
	CONCORD ASSABET ADOLESCENT SERVICES INC
	FAULKNER FINANCIAL SERVICES

ELM ST 1975

ELM ST	CONCORD
.....	
.....	01742
... 1- 864 T 3611	\$A..C 1
... 865- 999 T 3612	\$B..C 1
... 1000- 1287 T 3613	\$A..C 1
4 JAMES D CONNALL	3695128
6 PAUL DEE	7 3693017
8 JOSEPH R SILVA	7 3699091
12 F MOULTON JR	5 3692625
26 WILLIAM ANDREWS	3699017
40 B H BARNETT	0 3695680
48 BENJ INGHAM	3692031
56 EDWIN J FURSHPAN	0 3696198
ANITA M WALKER	3696198
59 JOHN W CODDING JR	3692130
62 PARKER J DEXTER	3692534
70 WILLIAM BUTCHER	8 3699526
78 MRS WILLIAM FAXON	-3692368
*HUNNEMAN&CO INC	-3698886
81*REV N L ANDREWS	3693715
*INTERCHR YOUTH MIN	3691686
*SERVICE TO YOUTH	3691686
*TRINITY CH YTH CTR	3696578
*TRINITY EPISC CHURH	3693715
94 REV N L ANDREWS	3692519
*TRINITY EPISC CH	3692519
106 HENRY J DANE	2 3693093
196 JOHN S BROEKSMIT	8 3692871
230 DAVID M ABBOTT	9 3695443
238 EDWARD GREAVES	0 3696798
241 DAVID W HANNEGAN	2 3694702
252 B B BRACKER	8 3693645
253 F D EDES	5 3693050
268 F W HOBBS III	2 3699038
282	NP
283 THOMAS H HOWE	3 3691156
285 JOHN K SPRING	9 3694307
314 FRANK ORLANDO	7 3693215
353 JAMES H STOESSEL	2 3692104
369 HAYS PENFIELD	3692659
380 WILLIAM HORTON	3699521
401 L T RAVENSCROFT	3694550
404 ROBERT A BOLTON	2 3698465
WILLIAM R BOLTON	3 3698812
422 FRANK W WILSON	3 3691810
427 P HUME	3695041
460 EDWIN A MERCER JR	1 3691393
467 HOWARD P DAVIS	3693532
476 FRED F CHELLIS	0 3694321
481 MRS JUDITH H ROBB	0 3692131
488 JOHN P CONDON	2 3691206
502 JAMES H DONOGHUE	9 3692391
511 CARL K TOROSSIAN	0 3692942
512 WM F KUSSIN JR	2 3694359
524 JOHN F MCQUILKIN	9 3694425
527 R YOUNG	1 3697410
532 JAMES C HUMPHREYS	9 3694744
539 WILLIAM J DORAN	2 3691327
542 G A FLOODBERG	9 3694467
551 MICHAEL L TURNER	3692168
562 G S FORRANT	3691857
565 R D STOUT	3699327
615 GORDON PYLE	2 3691726
625	NP
686*BROOKS TEXACO	3696189
740*HOWARD JOHNSONS	3696100
768*HOWARD JOHNSONS	3699508
*HOWARD JOHNSONS	3694908
794*HEWITT TIRE SHOP	3693405
*YANKEE FUEL CO	3696553
867	NP
874 P MORGAN	1 3691736
875 F F TAYLOR	8 3693877
877 NICK GENAKOS	9 3696741
885 JOSEPH P MCCARTHY	3693196
886	NP
887 LEO W AVILA	2 3698470
894 EUGENE CALLAHAN	3692352
906*MASS COMMONWLTH	3691004
965*MASS REFORMATORY	3693220
*ONE TO ONE PROGRAM	3691200
*JAMES J WELCH CO	3691753
998 JOHN D GRALTON	2 3695378
1091	NP
1245 JOHN E LABOUNTY	3696321
1257 ERNEST J MATHIS	9 3696651
1273 HAROLD RUSSELL	1 3691273
1287 RENE DUBERGER	9 3695479
NO **STATE POLICE	3694100
NO **MASS COMMONWLTH	3695742
NO **MASS COMMONWLTH	3695740
NO **MASS COMMONWLTH	3695741
NO **STATE POLICE	3694100
66 RESIDENCE	22 BUSINESS
ELM ST	FRAMGHM

WINTHROP ST 1975

4	R D LAROCHE	01701	-8790947
6	FLORIAN FUNK	-8733858	
2	RESIDENCE		
● WINTHROP AVE MAYNARD			
..... 01754			
...	1- END T 3641	SE..F 3	
3	DENNIS M MULLEN	8976041	
4	ROBERT E BROOKS	5 8977267	
42	EDWARD L MILLS	7 8977714	
	T A WALDRON	1 8972833	
4	RESIDENCE		
● WINTHROP PL WAYLAND			
..... 01778			
...	1- END T 3662	SA..C 2	
3	W PAUL MOORHEAD	2 3582062	
4	C SHANE	6 3587318	
2	RESIDENCE		
● WINTHROP RD WAYLAND			
..... 01778			
...	1- END T 3662	SA..C 2	
3	REV D K JOHNSTON	0 3587266	
4	JOHN B JENNEY JR	3 3584093	
	KATHLEEN M JENNEY	3 3584093	
5	MRS M POWNING	5 3584532	
7	RALPH H ROBINS	9 3587556	
12		NP	
13	THOMAS R KINRAIDE	8 3582064	
14	HUGH LENNON II	8 3587151	
18*	D T HARDIN JR	8 3582888	
	DEWITT T HARDIN JR	8 3584046	
NO #	HOWARD M JENKINS	3582008	
10	RESIDENCE	1 BUSINESS	
● WINTHROP ST CONCORD			
..... 01742			
...	1- 99 T 3612	SB..C 1	
20	JAMES RITCHIE	5 3694726	
21	PETER G BRYANT	2 3696735	
31	C GREEN	3694776	
39	JOHN W HOLT	2 3694907	
	ATHOMAS B CAREW	8 3695917	
56*	GRASON STADLER CO	3693787	
	*INDSTRL ACOUSTICS	3693787	
5	RESIDENCE	2 BUSINESS	
● WINTHROP ST FRAMGHEM			
..... 01701			
...	1- END T 3632	SE..C 4	
11	S ALTOMIRONI	8756828	
	DALE L MAINS	2 8797615	
17	PATRICIA J BURNHAM	3 8726144	
19	ROBERT B WALDRON	3 8737015	
21	JOEL L LAZEWATSKY	8793408	
	RAUL J PORTELA	2 8738057	
	JOSEPH C WOODBURY	8750929	
23	ELFIO FERRI	2 8756704	
	ALAWRENCE CORR	2 8797290	
35	DOMENIC GUADAGNOLI	8729255	
	G GUADAGNOLI	8721971	
41	LEO J CARDIFF	5 8725019	
42	FRANCIS T TIERNEY	2 8721086	
45	JIM CLIFFORD	8755997	
	WILFRED FARLAND	8726654	
47	ROBERT C WILLIAMS	3 8755079	
48	J BRYANT	8750501	
	ABEL FONSECA	3 8754796	
51	WILLIAM MERUSI	8737206	
55	CHARLES GWYNN	8723675	
59	JOHN J CORCORAN	7 8792152	
60	ALVARO PEREIRA	8750427	



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LETTER OF TRANSMITTAL

Date: February 26, 2009

To: Mr. Calvin Goldsmith
Goldsmith, Prest & Ringwall, Inc.
39 Main Street
Suite 301
Ayer, Massachusetts 01432

Subject: **ASTM Phase I Environmental Site Assessment (ESA)**
Portion of 965 Elm Street
Concord, Massachusetts

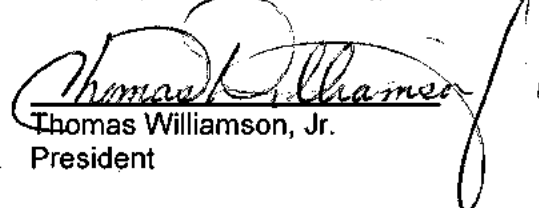
Enclosed please find the following:

- *One original and two copies of the ASTM Phase I ESA for the referenced location. The report concludes that in its present and undeveloped state and industrial zoning, no recognized environmental conditions were identified at the site as outlined in ASTM Practice E 1527-05.*

Transmittal For: () Approval () Use () As Requested (X) File

Comments:

Williamson Environmental LLC



Thomas Williamson, Jr.
President



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ASTM PHASE I ENVIRONMENTAL SITE ASSESSMENT

Portion of Property
965 Elm Street
Concord, Massachusetts

February 26, 2009

Prepared For:

Mr. Calvin Goldsmith
Goldsmith, Prest & Ringwall, Inc.
39 Main Street
Suite 301
Ayer, Massachusetts 01432

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Attachment B	Environmental FirstSearch™ Report
Attachment C	MassGIS Priority Resource Map
Attachment D	Aerial Photograph
Attachment E	Site Photographs
Attachment F	Laboratory Analytical Report – Soil
Attachment G	Qualifications



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EXECUTIVE SUMMARY

Williamson Environmental LLC (Williamson Environmental) was contracted by Goldsmith, Prest & Ringwall, Inc. (GPR) to complete an ASTM Phase I Environmental Site Assessment (ESA) for a portion of the property identified as 965 Elm Street in Concord, Massachusetts (herein referred to as "the site"). For the purposes of this study, the site is limited to approximately 12.7-acres of undeveloped land located at the southern portion of a larger parcel (965 Elm Street) which includes a total of 64-acres.

A portion of the site is currently utilized for the storage of aggregate materials generated by the Town of Concord Department of Public Works Department. In addition, a portion of the site was previously utilized by the Massachusetts Correctional Institute (MCI) Concord facility for sewage disposal as evident by the presence of several former sewage disposal lagoons. The remainder of the site consists of undeveloped woodlands and/or wetlands. The site is currently zoned for industrial use.

As part of the ASTM Phase I ESA, Williamson Environmental conducted limited soil sampling and laboratory analysis of soil samples collected from the former septic lagoons on the site. Two (2) test pits were excavated within each of the six (6) septic lagoons to maximum depths of 9-feet below grade utilizing a backhoe. One (1) soil sample from each test pit collected at depths of 4- to 6-feet below grade was submitted to an analytical laboratory for analysis for volatile organic compounds (VOCs) by EPA Method 8260, total petroleum hydrocarbons (TPH), polychlorinated biphenyls (PCBs), RCRA 13 metals and pH. Laboratory analysis of the 12 soil samples collected from 12 test pits (TP-1 through TP-12) excavated within six (6) of the former septic lagoons at the site indicated concentrations of chromium in four (4) of the soil samples (TP-7 [30.6 mg/Kg], TP-8 [30.8 mg/Kg], TP-9 [41.3 mg/Kg], and TP-12 [42.7 mg/Kg]) at concentrations exceeding MCP Reportable Concentrations (RCs) for soil category S-1 (30 mg/Kg). Chromium did not exceed RCs for soil category S-2 (200 mg/Kg) in any of the soil samples collected. No other compounds were detected at concentrations above MCP RCs for soil category S-1 or S-2.

It is the opinion of Williamson Environmental that the elevated chromium levels observed in soil samples TP-7, TP-8, TP-9 and TP-12 may be the result of historic operations conducted at the MCI Concord facility. In its present use, the soil at the site is considered RCS-2, and therefore the chromium concentrations detected within these soil samples does not constitute a reportable condition in accordance with the MCP 310 CMR 40.0361. If the site's zoning is changed from industrial to residential and/or is developed into a residential use property, the soil at the site would be considered soil category RCS-1, and therefore the concentrations of chromium detected in soil samples TP-7, TP-8, TP-9, and TP-12 would meet an RCS-1 reportable condition.

It is therefore recommended that a soil management plan be developed to manage and dispose/recycle the chromium impacted soil prior to implementing a zoning change or initiating residential development of the property. Under this scenario, the chromium impacted soil can be managed outside of the MCP process. If a zoning change to residential use or residential development were initiated prior to managing the chromium impacted soil that would change the MCP reporting criteria for the site to RCS-1 meeting a notification requirement to MA DEP and requiring management of the soil under the MCP process.

1.0 INTRODUCTION

Williamson Environmental LLC (Williamson Environmental) was contracted by Goldsmith, Prest & Ringwall, Inc. (GPR - the Client) to complete an ASTM Phase I Environmental Site Assessment (ESA) for a portion of the property identified as 965 Elm Street in Concord, Massachusetts (herein referred to as "the site"). For the purposes of this study, the site is limited to approximately 12.7-acres of undeveloped land located at the southern portion of a larger parcel (965 Elm Street) which includes a total of 64-acres. The Town of Concord Assessor's Office identifies the site as part of Lot 2013 on Map 8D.

1.1 Purpose

The purpose of this ESA was to investigate and obtain reasonably ascertainable information to identify to the extent feasible *recognized environmental conditions* at, in the vicinity of, or on the subject property. Recognized environmental conditions include: evidence of an existing release, past release, or material threat of a release of oil and/or hazardous materials (OHM) at or in the immediate vicinity of the site as defined in the ASTM International E 1527-05 *Standard Practices for Environmental Site Assessments: Phase I Environmental Site Assessment Process* and further defined in *Standards and Practices for All Appropriate Inquiries*, Final Rule, 40 CFR Part 312.

1.2 Scope of Services

In general accordance with the guidelines set forth in the ASTM E 1527-05 *Standard Practices for Environmental Site Assessments* and *Standards and Practices for All Appropriate Inquiries*, Final Rule, 40 CFR Part 312; the following activities were performed as part of our investigation:

- Conducted a visual inspection of surface conditions at the site on January 6, 2009;
- Conducted a visual inspection of surface conditions of adjoining properties as viewed from site boundaries, accessible rights-of-way, or other vantage points on January 6, 2009;
- Contacted Mr. Andrew Bakinowski, Licensed Site Professional (LSP) for the Massachusetts Department of Correction to identify site characteristics and environmental concerns;
- Contacted or attempted to contact previous owners/occupants of the site to identify past uses of the property and environmental concerns;
- Reviewed readily available local records on file at the Town of Concord municipal offices on February 2, 2009 to ascertain site history and to identify recognized environmental conditions at or in the immediate vicinity of the site;
- Interviewed local agency officials on February 2, 2009 regarding recognized environmental conditions at the site or in the immediate vicinity of the site;
- Reviewed an Environmental FirstSearch™ Report (dated January 29, 2009) of federal and state environmental records conducted by a database search contractor to identify any federal- or state-listed sites within the search radii specified in the ASTM E 1527-05 standard.
- Conducted a subsurface investigation which included the excavation of test pits at the site and the collection and laboratory analysis of subsurface soil samples.

1.3 Limitations and Exceptions

This ESA was prepared in accordance with the limitations and conditions set forth in section 12.0 of this report. Other warranties are not expressed or implied. This report is not intended to substitute for a regulatory compliance audit of the site. A lead paint and asbestos survey was not conducted.

2.0 SITE DESCRIPTION

2.1 Site Location and Legal Description

The site consists of approximately 12.7-acres of undeveloped land located on the southern portion of the parcel identified as 965 Elm Street in Concord, Massachusetts. Site coordinates are 71° 23' 44" longitude, 42° 27' 56" latitude, and UTM 303038.902 E, 4704026.69 N. A Site Locus is included as Figure 1.

According to Assessor's records, the 965 Elm Street property is currently owned by the Commonwealth of Massachusetts Department of Corrections. No prior ownership was indicated on the Assessor's field card. The records reviewed provide a cursory review of title records and do not represent a complete chain of title for the site. A copy of the Assessor's field card for the property is included in Attachment A.

2.2 Environmental Liens or Deed Restrictions

Williamson Environmental found no information in the Assessor's records to indicate any environmental liens or deed restrictions on the property.

2.3 Site and Vicinity Characteristics

The site is located within a residential and commercial/industrial area of Concord, Massachusetts. The area surrounding the site consists of former commercial/industrial properties and residential properties. A Surrounding Land Use/Site Plan and Test Pit Location Plan are included as Figures 2 and 3, respectively.

2.3.1 Topography

The site is located at an elevation of approximately 130-feet above the National Geodetic Vertical Datum (NGVD) of 1929, according to the United States Geological Services (USGS) topographic map (see Figure 1). The property is generally flat, however the topography of the immediate vicinity slopes slightly in an easterly direction toward the Assabet River.

2.3.2 Geology

No bedrock outcrops were observed at the site. According to the *Bedrock Geologic Map of Massachusetts* dated 1983, area bedrock is located in the Nashoba Zone (Silurian and Older Rocks) and is identified as Straw Hollow Diorite and Assabet Quartz Diorite Undifferentiated (Silurian), consisting of grey, medium-grained, slightly-foliated biotite-hornblende diorite and quartz diorite.

2.3.3 Hydrology

The site is abutted by the Assabet River to the east, which transverses the southern portion of the property.

2.3.4 Hydrogeology

Ground water flow in the vicinity of the site is expected to flow in an easterly direction toward the Assabet River.

2.4 Current Use of Property

The site consists of an undeveloped parcel of land. A portion of the site is currently utilized for the storage of aggregate materials generated by the Town of Concord Department of Public Works Department. In addition, a portion of the site was previously utilized by the Massachusetts Correctional Institute (MCI) Concord facility for sewage disposal as evident by the presence of several former sewage disposal lagoons, the approximate locations of which are indicated on Figure 3. The remainder of the site consists of undeveloped woodlands and/or wetlands.

2.5 Site Improvements

2.5.1 Structures and Improvements

There are no buildings and/or structures located on the site.

2.5.2 Roads

Vehicular access is provided to the site via a gravel access road from Commonwealth Avenue.

2.5.3 Heating and Air Conditioning

There are no buildings located on the site, and as such no heating and air conditioning units.

2.5.4 Sanitary Sewer Disposal

There are no buildings located on the site, and as such no sanitary sewer disposal service. A portion of the site was formerly utilized by the MCI Concord facility for sewage disposal as indicated by the presence of several former sewage disposal lagoons.

2.5.5 Potable Water

There are no buildings located on the site, and as such no potable water service.

2.5.6 Electric/Telephone/Natural Gas

There are no buildings located on the site, and as such no electric, telephone or natural gas services.

2.6 Current Uses of Adjoining Properties

- *North:* The MCI Concord facility abuts the site to the north.
- *South:* Several residential and commercial properties abut the site to the south.
- *East:* The Assabet River abuts the site to the east, across which are several commercial properties.
- *West:* A former railroad right-of-way abuts the site to the west, beyond which are several residential and commercial properties.

2.7 Zoning

According to the Town of Concord Massachusetts Zoning Map, dated January 1, 2002, the site is zoned as Industrial Park.

2.8 Environmental Permits and/or Violations

No Environmental Permits or Violations were identified during the performance of this ESA.

3.0 OWNER/OPERATOR PROVIDED INFORMATION

3.1 Specialized Knowledge

On February 4, 2009, Mr. Andrew Bakinowski, LSP for the Massachusetts Department of Correction informed Williamson Environmental that three (3) Release Tracking Numbers (RTNs) have been assigned to the MCI Concord facility, as summarized below:

- RTN 3-1818 was assigned for a release of diesel fuel from an underground storage tank (UST);
- RTN 3-15490 was assigned for a release of gasoline from a UST; and,
- RTN 3-19124 was assigned for a release of polychlorinated biphenyls (PCBs). Mr. Bakinowski indicated that the release of PCBs occurred as a result of a military truck being parked at the 965 Elm Street property which leaked PCB-containing transmission oil to the ground.

Mr. Bakinowski indicated that the three (3) documented releases impacted soil, however the results of subsequent ground water analysis indicated "nothing of major concern". Class A-2 Response Action Outcomes (RAOs) were submitted to the Massachusetts Department of Environmental Protection (MA DEP) for the releases. According to Mr. Bakinowski, the three (3) releases that occurred on the 965 Elm Street property occurred "a good distance away" from the site.

3.2 Current Owner(s), Property Manager, and Occupant Information

Williamson Environmental contacted Mr. Bakinowski for information regarding releases to the environment associated with the 965 Elm Street property, the results of which are discussed above.

3.3 Previous Owner(s), or Occupant Information

The previous owners/occupants of the property were not available for interviewing at the time of this assessment.

3.4 Previous Environmental Reports

No previous environmental reports were provided to Williamson Environmental with regard to the subject site.

4.0 RECORDS REVIEW

On January 29, 2009, FirstSearch Technology Corporation compiled an Environmental FirstSearch™ Report (FirstSearch) of federal and state environmental records for Williamson Environmental using the radii specified in ASTM E 1527-05. A copy of the report is included as Attachment B.

4.1 Federal Records

Table A summarizes the FirstSearch Report compilation of federal records.

Table A: Federal Record Search		
Search Parameter	Facilities Identified	Radius
National Priority List Sites (Superfund)	None	one mile
CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System) Sites	None	½-mile
RCRA CORRACTs Facilities	None	one mile
RCRA non-CORRACTs TSD treatment, storage, and disposal (TSD) Facilities	None	½-mile
RCRA Generator Facilities	Three- nearest is 965 Elm Street	¼-mile
ERNS sites	Two- both listings are for 965 Elm Street	¼-mile
Bureau of Indian Affairs Sites (Tribal)	None	½-mile

4.2 State Records

A summary of the FirstSearch Report compilation of state records is presented in Table B.

Table B: State Record Search		
Search Parameter	Facilities Identified	Radius
MA DEP STATE Listed Sites	Fifteen- nearest is 965 Elm Street	one mile
Registered USTs	Four- nearest is 965 Elm Street	½-mile
Solid Waste Facilities/Landfills	None	½- mile
Brownfield	None	½-mile
Spill Sites	Nine- nearest is 965 Elm Street	½-mile

4.2.1 Subject Property Database Listing(s)

As indicated above, the 965 Elm Street property was listed on the following databases included in the FirstSearch Report: ERNS, LUST, RCRA Generator, Spills, State and UST databases.

A review of the FirstSearch Report indicates that 965 Elm Street has had two (2) ERNS identification numbers assigned, including P30158 and 424516, both of which were assigned for a release of "Possible 4 oil". It is unclear if both ERNS numbers were assigned to the same incident.

According to the FirstSearch Report, the MCI Concord facility located at 965 Elm Street is a very small quantity generator (VGN), assigned RCRA identification number MAD091496422 for "ignitable waste". No further information regarding waste amounts or the specific type of waste was included in the FirstSearch Report. No violations or enforcement actions were listed in the report.

The 965 Elm Street property is also listed on the Spills, State and LUST databases, with RTNs 3-19124, 3-1818 and 3-15490. A summary of these RTNs is included in Section 3.1 of this report.

Additionally, the FirstSearch Report indicates that the 965 Elm Street property has six (6) registered USTs, including the following:

- Two (2) 6,000-gallon double wall composite USTs containing diesel fuel (in use);
- Two (2) 25,000-gallon double wall composite USTs containing fuel oil (in use);
- One (1) 1,000-gallon single wall steel UST containing diesel (in use);
- One (1) 1,000-gallon single wall steel UST containing gasoline (in use);

4.2.2 Area Property Database Listing(s)

Based on a review of the FirstSearch Report, six (6) RTNs have been assigned to properties located within a 0.25-mile radius of the subject site, summarized below.

MCI Concord, MCI Building F, Elm Street Route 2, Concord, Massachusetts, RTN 3-1818

According to the FirstSearch Report, on January 15, 1989, the 965 Elm Street property was listed by the MA DEP as a Location To Be Investigated (LTBI) for a release of gasoline to soil, and RTN 3-1818 was assigned. A Class A-2 RAO was filed for this RTN on June 23, 2000, indicating that a Permanent Solution had been achieved, and contamination had not been reduced to background levels.

MCI Concord, 965 Elm Street, Concord, Massachusetts, RTN 3-15490

The FirstSearch Report indicates that on September 2, 1997, oral approval from the MA DEP was received for Immediate Response Actions to be conducted for a release of gasoline and kerosene at the 965 Elm Street property. The MA DEP assigned RTN 3-15490 to this release. On February 27, 1998 an Immediate Response Action (IRA) Completion Report was filed for this RTN, and on June 23, 2000, the MA DEP received a Class A-2 RAO.

MCI Concord, MCI Auto Body Garage, Elm Street, Concord, Massachusetts, RTN 3-19124

On December 29, 1999, the MA DEP was notified of a release of petroleum compounds and lead at reportable concentrations at the site, and RTN 3-19124 was assigned to the 965 Elm Street property. An IRA Completion Statement and a Class A-2 RAO were filed for RTN 3-19124 on January 5, 2001.

NE Correctional Center, Barretts Mill Road, Concord, Massachusetts, RTN 3-15777

According to the FirstSearch Report, on December 3, 1997 the MA DEP was notified of a release of "unknown chemical of unknown type" from a UST located at the NE Correctional Center on Barretts Mill Road. The MA DEP assigned RTN 3-15777 to this release. On October 20, 1998, an IRA Completion Report and a Class A-2 RAO were filed with the MA DEP for this release. The FirstSearch Report indicates that the NE Correctional Center site is located approximately 0.19-miles northwest of the subject site.

Exxon Station, 503 Commonwealth Avenue, Concord, Massachusetts, RTN 3-3969 & RTN 3-10987

According to the FirstSearch Report, the Exxon Station located at 503 Commonwealth Avenue was listed as a Tier Classified Transition Site on July 15, 1993, and was assigned RTN 3-3969 for a release of petroleum based oil from a "pipe". The FirstSearch Report indicates that this RTN is currently in Phase V.

On May 11, 1994, the MA DEP was notified of a reportable release of petroleum based oil from an unknown source. RTN 3-10987 was assigned to this release, which was subsequently linked to RTN 3-3969. The FirstSearch Report indicates that the Exxon Station is located approximately 0.20-miles northwest of the site.

4.2.3 Database Search Unmappable Properties

Unmappable properties are those that the FirstSearch Report was unable to definitively plot, usually due to inaccurate or missing information provided by the appropriate governmental agency. The FirstSearch Report identified a total of 5 properties as unmappable or non-geocoded.

The unmappable properties list was reviewed in an attempt to definitively locate these properties. These properties were included in the appropriate database sections of this ESA if they were determined to be located within a respective ASTM search radius.

4.3 Sensitive Receptors

According to the Massachusetts Geographic Information System (MassGIS) Priority Resource Map, the site is not located within areas of critical environmental concern (ACEC), Interim Wellhead Protection Areas (IWPA) or a Zone II of a public water supply. No certified vernal pools, priority habitats of rare species, or estimated habitats of rare wildlife were identified within 500-feet of the site. The site does abut, and may encroach a 100-year floodplain associated with the Assabet River, which abuts the site to the east and transverses the southern portion of the site. A copy of the Priority Resource Map is included in Attachment C.

4.4 Local Records

A review of local records was conducted to determine if there are any known USTs, hazardous waste sites, sources, and/or facilities at or in the immediate vicinity of the site that might adversely affect its environmental integrity.

4.4.1 Fire Department

On February 6, 2009, Williamson Environmental reviewed readily available files at the Concord Fire Department regarding USTs at the 965 Elm Street property. According to a letter prepared by The Commonwealth of Massachusetts Department of Correction, dated February 10, 1997, the following USTs existed at the 965 Elm Street property in February 1997:

- Tank No. 1 & Tank No. 2: Two (2) 25,000-gallon asphalt coated or bare steel USTs containing No. 6 fuel oil, located on the east side of the "MCIC Power Plant", both installed in June 1970;
- Tank No. 3: One (1) 20,000-gallon fiberglass "power plant fuel tank", located on the south side of the "MCIC Power Plant", installed in 1982;
- Tank No. 4: One (1) 1,000-gallon fiberglass UST containing No. 2 fuel oil, located along the north side of the "MCIC Power Plant", installed on May 1, 1983 for the emergency generator;
- Tank No. 5: One (1) 1,000-gallon asphalt coated or bare steel UST containing gasoline, located at the northwest corner of the "Storehouse, Bldg. F", installation date unknown;
- Tank No. 6: One (1) 750-gallon UST containing kerosene, unknown construction of the UST, located at the northwest corner of "Storehouse, Bldg. F", installation date unknown;
- Tank No. 7 and Tank No. 8: Two (2) 6,000-gallon double-wall fiberglass tanks containing diesel fuel for "generator in generator bldg", located "South of Power Plant", and both installed on November 8, 1989;
- Tank No. 9: One (1) estimated 100-gallon fiberglass tank containing diesel for "generator in C Bldg.", located at the "South Side of C Bldg.", estimated installation date is the 1960s.

According to an Application and Permit for Storage Tank Removal, dated August 22, 1997, the following USTs were removed from the 965 Elm Street property in August 1997 and September 1997 and transported to James G. Grant Co. Inc., located in Readville, Massachusetts:

- Two (2) 25,000-gallon USTs formerly containing No. 6 fuel oil (Tank No. 1 and Tank No. 2), removed on August 27, 1997;
- One (1) 1,000-gallon UST formerly containing diesel fuel (Tank No. 4), removed on August 19, 1997;
- One (1) 300-gallon UST formerly containing diesel fuel (Tank No. 9), removed on August 26, 1997;
- One (1) 1,000-gallon UST formerly containing gasoline (Tank No. 5), removed September 2, 1997;
- One (1) 750-gallon UST formerly containing kerosene (Tank No. 6), removed September 2, 1997.

According to a Notification for Storage Tanks Regulated Under 527 CMR 9.00, dated October 27, 1997, the following USTs and aboveground storage tanks (ASTs) existed at the 965 Elm Street property in October 1997:

- Tank No. 1 and Tank No. 2: Two (2) 25,000-gallon composite (steel with fiberglass) double-wall USTs containing fuel oil, installed on September 4, 1997;
- Tank No. 3: One (1) 1,000-gallon steel AST containing diesel fuel, installed on September 9, 1997;
- Tank No. 4: One (1) 1,000-gallon steel AST containing gasoline, installed on September 9, 1997.

4.4.2 Town Clerk's Office

The Town of Concord Clerk's Office had no current or inactive records of flammable storage and/or USTs and/or ASTs for the site. However, a representative of the Clerk's Office indicated that their records may not be complete.

4.4.3 Health Department/Building Department

The Concord Board of Health (BOH) and Building Department files were combined in one file, which was reviewed by Williamson Environmental. According to a letter prepared by the United States Environmental Protection Agency (US EPA), dated September 2, 1975, the Massachusetts Department of Correction applied for a NPDES Permit to discharge wastewater from the MCI Concord facility at 965 Elm Street to the Concord River (corrected in a subsequent form to state the Assabet River). At the time of this letter, the MCI Concord facility discharged approximately 0.162 million gallons per day (MGD) of treated wastewater into the river. According to this letter, the proposed permit contained an Implementation Schedule that required the Massachusetts Department of Correction to begin and complete construction of a new wastewater treatment facility at the MCI Concord facility "with disinfection" by July 1, 1977.

According to a letter prepared by the Concord Board of Health, dated September 4, 1975, the sand filtration beds utilized in the wastewater treatment system in use at that time were "not in conformity with public health standards." This letter states that as a result of neighborhood complaints concerning a "strong odor emanating from the filter beds", the Concord Board of Health toured the facilities on July 15, 1975. According to this letter, the filtration beds "are inadequately maintained, several being unusable without extensive excavation and replacement of filter sand; that there is a

distinct odor emanating from the beds; and that the unchlorinated effluent being dumped into the Assabet River has a foul odor.” According to this letter, four (4) surface water samples were collected from the area where the effluent entered the river and tested for the presence of fecal coliform bacteria, the results of which indicated “gross contamination of the river.”

According to a letter prepared by the US EPA, dated November 7, 1975, the wastewater treatment facility in use at the time of this letter “consists of a bar rack, Imhoff tanks, and sand filter beds. No facilities were provided for disinfection when the present plant was constructed probably because adequate removal of coliform bacteria was expected from the sand filter beds. Provision of disinfection after the fact would be physically and technically impossible due to the types and location of treatment units and the lack of proper detention time available prior to discharge to the Assabet River.” The US EPA letter indicates that construction of a replacement wastewater treatment facility “is justified.”

Williamson Environmental reviewed a letter prepared by The Commonwealth of Massachusetts Department of Correction, dated November 14, 1983, which states that “MCI Concord’s wastewater treatment plant is hydraulically overloaded.” According to this letter, the wastewater treatment plant was designed for a capacity of 162,000-gallons per day (GPD), and for the last approximately 2.5-years the average flow has been between 185,000 to 190,000 GPD.

According to a letter prepared by the Town of Concord Board of Health, dated July 15, 1992, solid refuse was observed on a portion of vacant land, located east of the existing railroad tracks and approximately 1,000-feet south of the MCI prison wall. This letter states that the refuse, including “rubbish which includes, but is not limited to, wood waste, scrap metal, tree stumps, building debris, brush, yard waste and two unregistered vehicles” must be removed or abated within 30-days of the date of this letter. Based on a review of the Surrounding Land Use/Site Plan included as Figure 2, the referenced refuse may have been located within the area of the subject site.

4.4.4 Natural Resources

A Notice of Intent (NOI), dated November 6, 1996 was filed with the Natural Resources office for the 965 Elm Street property. The NOI was filed for the removal and replacement of several USTs, including the following, which were located “adjacent to the power plant and the storage building”:

- Two (2) 25,000-gallon single wall steel USTs containing No. 6 fuel oil;
- One (1) 1,000-gallon diesel fuel UST;
- One (1) 1,000-gallon gasoline UST;
- One (1) 750-gallon kerosene UST.

Additionally, one (1) 300-gallon No. 2 fuel oil UST was to be removed “adjacent to Building C within the prison walls.” The NOI does not state if the 1,000-gallon diesel fuel UST, 1,000-gallon gasoline UST, the 750-gallon kerosene UST or the 300-gallon No. 2 fuel oil UST were single wall steel USTs.

The NOI does state that the USTs would be replaced with the following:

- Two (2) 25,000-gallon double wall steel USTs for No. 6 fuel oil;
- One (1) 1,000-gallon AST for diesel fuel; and,
- One (1) 1,000-gallon AST for gasoline.

According to the NOI, “The existing gasoline dispensers will be removed and replaced with one dispenser. During removal, soils will be field screened for contamination and any contaminated soils will be removed and disposed of properly. Removal and replacement of the gasoline tank and dispensers and removal of the kerosene tank will occur within the Riverfront area along the Assabet River.”

Williamson Environmental reviewed a duplicate original Certificate of Compliance (COC), which according to a representative of the Natural Resources office, was filed for the above summarized NOI. The COC was filed with the Massachusetts Registry of Deeds on May 7, 2003.

According to Mr. Thomas G. Hughes, Natural Resources Planner for the Town of Concord Division of Natural Resources, any new construction activity located on the subject site would be subject to the MA DEP's Riverfront Protection Act, located at 310 CMR 10.58.

4.5 Historical Use Information on the Property and Adjoining Properties

Williamson Environmental attempted to review Sanborn Fire Maps (Sanborns) for the subject site and immediate vicinity on the New Castle-Henry County Public Library website. No Sanborns were available for the subject site.

Two (2) Sanborns were reviewed for properties located beyond the railroad right-of-way which abuts the site to the west. According to a Sanborn dated May 1927 and a Sanborn dated May 1927 – August 1947, the Scott & Williams Inc. Foundry existed during this timeframe. The foundry was located approximately 80-feet west of the subject site (see Surrounding Land Use/Site Plan – Figure 2). The properties located to the north, west and south of the foundry appear to have been utilized for residential purposes.

An aerial photograph for the site and immediate vicinity was obtained through the MSN Live Search Maps website. The subject site is depicted in its current configuration. A copy of the aerial photograph is included in Attachment D.

According to the Mass gov Public Safety website, 965 Elm Street property has had a long history of use as a State prison. The following information from this website summarizes the history of 965 Elm Street:

"As the result of a Legislative initiative and the need to replace aging prison facilities, a new correctional institution was opened in May of 1878 in Concord, with General Chamberlain, a Mexican War Veteran as Warden. Facing criticism that the institution was not producing adequate revenue through its vocational shops, Governor George Robinson signed a bill in 1884 that ordered the return of prisoners to Charlestown State Prison, and established the Massachusetts Reformatory at Concord. This institution became a place where those under the age of thirty could learn a trade to be used upon their return to the community.

In 1893, additional construction added 230 cells to the existing facility, and in 1935, the Farm Dormitory, now known as Northeastern Correctional Center, was officially opened across the street. Twenty years later, the Concord reformatory was eliminated, and the facility was renamed the Massachusetts Correctional Institute at Concord.

Since 1980, MCI-Concord has been designated as a medium security facility which serves as the Massachusetts Department of Correction's Reception and Diagnostic Center. Effective October 1995, MCI-Concord receives all new court commitments of the male offender."

5.0 SITE RECONNAISSANCE

The objective of the site reconnaissance was to identify recognized environmental conditions at or in the immediate vicinity of the site by means of a visual surficial inspection. Mr. Joseph Resca and Mr. Paul McNeil of Williamson Environmental conducted a visual reconnaissance of the site on January 6, 2009. Weather conditions at the time of the reconnaissance were clear with a temperature of approximately 35 degrees Fahrenheit. Approximately 6- to 9-inches of snow covered the site. Photographs of the site and surrounding area are included in Attachment E.

During the course of the site reconnaissance, six (6) former sewage lagoons were identified on the site. Two (2) proposed test pits were identified and marked within each of the six (6) former sewage disposal lagoons.

5.1 Underground Storage Tanks (USTs)

Williamson Environmental did not observe evidence of USTs at the site on January 6, 2009. Several USTs are currently located to the north of the site at the MCI Concord facility, as discussed in Section 4.4.1 of this report.

5.2 Aboveground Storage Tanks (ASTs)

Williamson Environmental did not observe evidence of ASTs at the site on January 6, 2009. Several ASTs are currently located to the north of the site at the MCI Concord facility, as discussed in Section 4.4.1 of this report.

5.3 Hazardous Substances

Williamson Environmental did not observe evidence of current use and/or storage of hazardous substances during the site reconnaissance on January 6, 2009.

5.4 Hazardous Waste

No hazardous waste was observed on the site on January 6, 2009.

5.5 Polychlorinated Biphenyls

Williamson Environmental did not observe evidence of polychlorinated biphenyls at the site on January 6, 2009.

5.6 Solid Waste Disposal

Williamson Environmental observed what appeared to be solid waste located throughout the site on January 6, 2009, including of tree stumps, plastic bags filled with refuse, scrap metal, and a pick-up truck bed.

5.7 Distressed Surfaces or Vegetation

No distressed vegetation was identified at the site on January 6, 2009.

5.8 Underground Structures & Sanitary Wastewater Disposal

Williamson Environmental did not observe evidence of underground structures at the site on January 6, 2009. As previously discussed, a portion of the site was previously utilized by the MCI Concord facility for sewage disposal as evident by the presence of six (6) former sewage disposal lagoons.

5.9 Explosive Gas

No canisters containing explosive gasses were observed at the site on January 6, 2009.

5.10 Airborne and Waterborne Contamination

No airborne or waterborne contamination sources were identified at the site on January 6, 2009.

5.11 Visual Inspection of Adjoining Properties

Williamson Environmental conducted a limited visual inspection of adjoining properties as viewed from the site or public rights-of-way. Based on our observations, no hazardous substances or other visible environmental conditions were identified on any property adjoining the site and no physical limitations were encountered during the visual inspection of the adjoining properties.

6.0 SUBSURFACE INVESTIGATION ACTIVITIES

On January 9, 2009, representatives of Williamson Environmental observed the excavation of 12 test pits (designated as TP-1 through TP-12) within six (6) former septic lagoons located on the site. The test pits were excavated by a subcontractor to GPR utilizing a rubber-tire backhoe. Two (2) test pits were excavated in each of the six (6) septic lagoons to depths of up to 9-feet below grade (bg). The locations of the test pits are illustrated on Figure 3.

6.1 Subsurface Soil Description, Sampling, and Laboratory Analysis

Crushed rock, cinder blocks and asphalt were observed in the coarse gravel in test pits TP-1 and TP-2 to depths of approximately 3-feet bg. Crushed rock, cinder blocks and asphalt were not observed within the remaining test pits excavated at the site. Williamson Environmental observed fine to coarse sand to depths ranging from approximately 3-feet bg in TP-3 to 9-feet bg in TP-12, generally followed by fine to coarse gravel to the depths explored. Loam was encountered in TP-6 from ground surface to approximately 5-feet bg and in TP-12 from ground surface to approximately 3-feet bg. Ground water was observed in TP-2, TP-3 and TP-4 at depths of between 8- to 9-feet bg.

One (1) soil sample was collected from each test pit at depths between 4- and 6-feet bg and screened in the field with a portable Photovac photoionization detector (PID) equipped with a 10.6 eV lamp and calibrated to 100 parts per million volume (ppmv) isobutylene. Field screening results indicated non-detect for each soil sample screened. The soil samples were submitted to Spectrum Analytical, Inc. (Spectrum) of Agawam, Massachusetts for analyses including volatile organic compounds (VOCs) by EPA Method 8260, total petroleum hydrocarbons (TPH), polychlorinated biphenyls (PCBs), RCRA 13 metals and pH.

6.2 MCP Soil Reporting Category and Analytical Results

The Massachusetts Contingency Plan (MCP) 310 CMR 40.0000 describes two (2) reporting categories for soil (RCS-1 and RCS-2). In its current state, the reporting category that best describes soil at this site is RCS-2. However if the site is developed into residential usage, the reporting category would change to RCS-1.

Laboratory results indicated concentrations of analytes below laboratory method detection limits or below applicable reportable concentrations (RCS-2) for the current use of the site. Analytical results are summarized on Table 1 and a copy of the laboratory report is included in Attachment F.

7.0 DATA GAPS

According to ASTM 1527-05 a "data gap" is when, despite all good faith efforts, there remains a lack of or inability to obtain information for more than a five (5) year interval. Data gaps identified during the performance of this assessment are discussed herein:

No historical information prior to the use of sand filtration beds utilized by MCI Concord's wastewater treatment system at the site in 1975 was reviewed during the performance of this assessment. Specifically, Williamson Environmental did not review information regarding the installation date of the sand filtration beds at the site, or prior site usage.

8.0 SUMMARY OF FINDINGS

Based on the information reviewed during the performance of this assessment, the septic lagoons associated with MCI Concord's wastewater treatment system have been located at the site since at least 1975. MCI Concord has been in operation as a correctional institution since the late 1800s, and it is unclear at what point the septic lagoons were installed at the site. The wastewater was discharged from the septic lagoons into the Assabet River. According to information reviewed at the Concord Health Department, construction of a replacement wastewater treatment facility was necessary in the mid-1970s, and the replacement wastewater treatment facility was expected to be operational by July 1977. Williamson Environmental did not review information regarding when the septic lagoons on the site were taken out of service.

Laboratory analysis of 12 soil samples collected from 12 test pits (TP-1 through TP-12) excavated within six (6) of the former septic lagoons at the site indicated concentrations of chromium in four (4) of the soil samples (TP-7 [30.6 mg/Kg], TP-8[30.8 mg/Kg], TP-9[41.3 mg/Kg], and TP-12[42.7 mg/Kg]) at concentrations exceeding MCP Reportable Concentrations (RCs) for soil category S-1 (30 mg/Kg). Chromium did not exceed RCs for soil category RCS-2 (200 mg/Kg) in any of the soil samples collected. No other compound was detected at concentrations above MCP RCs for soil category RCS-1 or RCS-2.

It is the opinion of Williamson Environmental that the elevated chromium levels observed in soil samples TP-7, TP-8, TP-9 and TP-12 may be the result of historic operations conducted at the MCI Concord facility. In its present use, the soil at the site is considered RCS-2, and therefore the chromium concentrations detected within these soil samples does not constitute a reportable condition. In accordance with the MCP 310 CMR 40.0361, if the site's zoning is changed from industrial to residential and/or is developed into a residential use property, the soil at the site would be considered soil category RCS-1, and therefore the concentrations of chromium detected in soil samples TP-7, TP-8, TP-9, and TP-12 would meet an RCS-1 reportable condition.

Based on information reviewed during the performance of this assessment, in its present and undeveloped state and industrial zoning, no recognized environmental concerns were identified with regard to the former septic lagoons and soil samples collected at the site.

9.0 OPINION

Williamson Environmental has performed this Phase I ESA, in general conformance with the scope and limitations of ASTM Practice E 1527-05 and 1903-97(2002). Any exceptions to, or deletions from this practice are described herein. Based on the information reviewed during the course of this investigation, it is the opinion of Williamson Environmental that this assessment has revealed no evidence of recognized environmental conditions in connection with the current usage of the site.

10.0 VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES

Property valuation and or reduction for environmental issues are left to the discretion of the user of this report. Williamson Environmental makes no estimates, expressed or implied, as to the value of the subject site.

It is the opinion of Williamson Environmental that no environmental conditions exist at the site at this time and with its current usage that would reduce the value of the property.

11.0 RECOMMENDATIONS

Based on the assessment activities conducted during and within the limitations and conditions of this investigation, it is the opinion of Williamson Environmental that no additional assessment of environmental

conditions at the site is warranted at this time. However, a change in zoning and/or redevelopment activities at the site into residential usage would warrant additional assessment of site conditions.

12.0 LIMITATIONS AND CONDITIONS

The observations in this ESA are valid on the date of the investigation and made under the conditions noted herein. This ESA was prepared for the sole and exclusive use of the Client and is not intended to be nor shall be relied upon by any other individual or party without the express written authorization of Williamson Environmental. To the extent that another individual or party acts in reliance, such party shall indemnify and hold Williamson Environmental harmless for any damages, losses, or expenses arising there from.

The recommendations and conclusions discussed herein are based solely and in reliance upon information collected as a result of the activities delineated above in the Scope of Services. Williamson Environmental neither attests nor renders an opinion as to the accuracy or comprehensiveness of the statements of the individuals interviewed, readily-available governmental records, environmental reports conducted by other consultants, analytical results, or the database search results provided by the database contractor.

There is a limit to all environmental investigations in the sense that the researcher must draw conclusions and develop recommendations with information obtained from limited research and site evaluation.

13.0 REFERENCES

Town of Concord:

Assessor's Office: records reviewed February 3, 2009.
Fire Department: records reviewed February 6, 2009.
Building Department: records reviewed February 3, 2009.
Clerk's Office: records reviewed February 3, 2009.
Health Department: records reviewed February 3, 2009.
Natural Resources: records reviewed February 3, 2009

Database Search(s):

FirstSearch Technology Corporation FirstSearch™ Report, compiled January 29, 2009.

Resources:

United States Geological Survey Eastern Massachusetts Topographic Maps via TOPO! software, dated 2005.

Massachusetts Geographical Information System (MassGIS)

United States Geological Survey in cooperation with the Massachusetts Department of Public Works, *Bedrock Geologic Map of Massachusetts*, edited by E-an Zen, dated 1983.

MSN Live Search Maps website: <http://maps.live.com>

New Castle-Henry County Public Library website: www.nchcpl.lib.in.us

14.0 QUALITY ASSURANCE CERTIFICATIONS

Report Prepared by:



Stephanie Orlow
Project Manager

2/26/09
Date

Report Reviewed by:



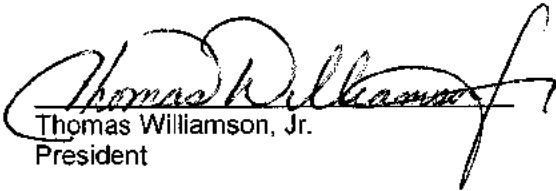
Heidi Resca
Senior Project Manager

2/26/09
Date

15.0 DECLARATION OF ENVIRONMENTAL PROFESSIONAL

Williamson Environmental LLC declares that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in *Standards and Practices for All Appropriate Inquiries*, Final Rule, 40 CFR Part 312.

We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



Thomas Williamson, Jr.
President

2/26/09
Date

16.0 QUALIFICATIONS

The qualifications of the environmental professionals involved in the completion of this report are included in Attachment G.

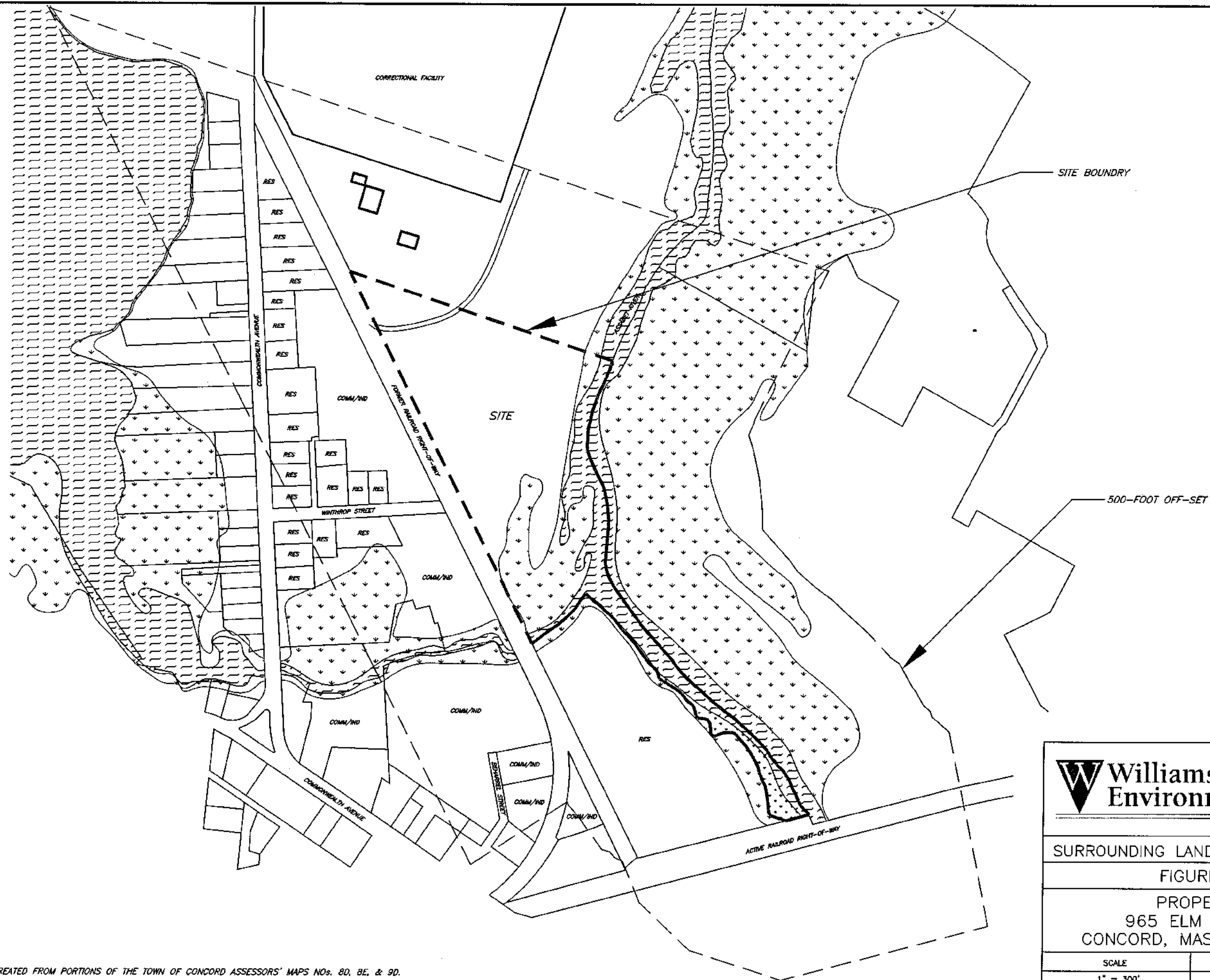
WGS84 71°22'00" W



SCALE: SEE ABOVE



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SURROUNDING LAND USE/SITE PLAN

FIGURE 2

PROPERTY
965 ELM STREET
CONCORD, MASSACHUSETTS

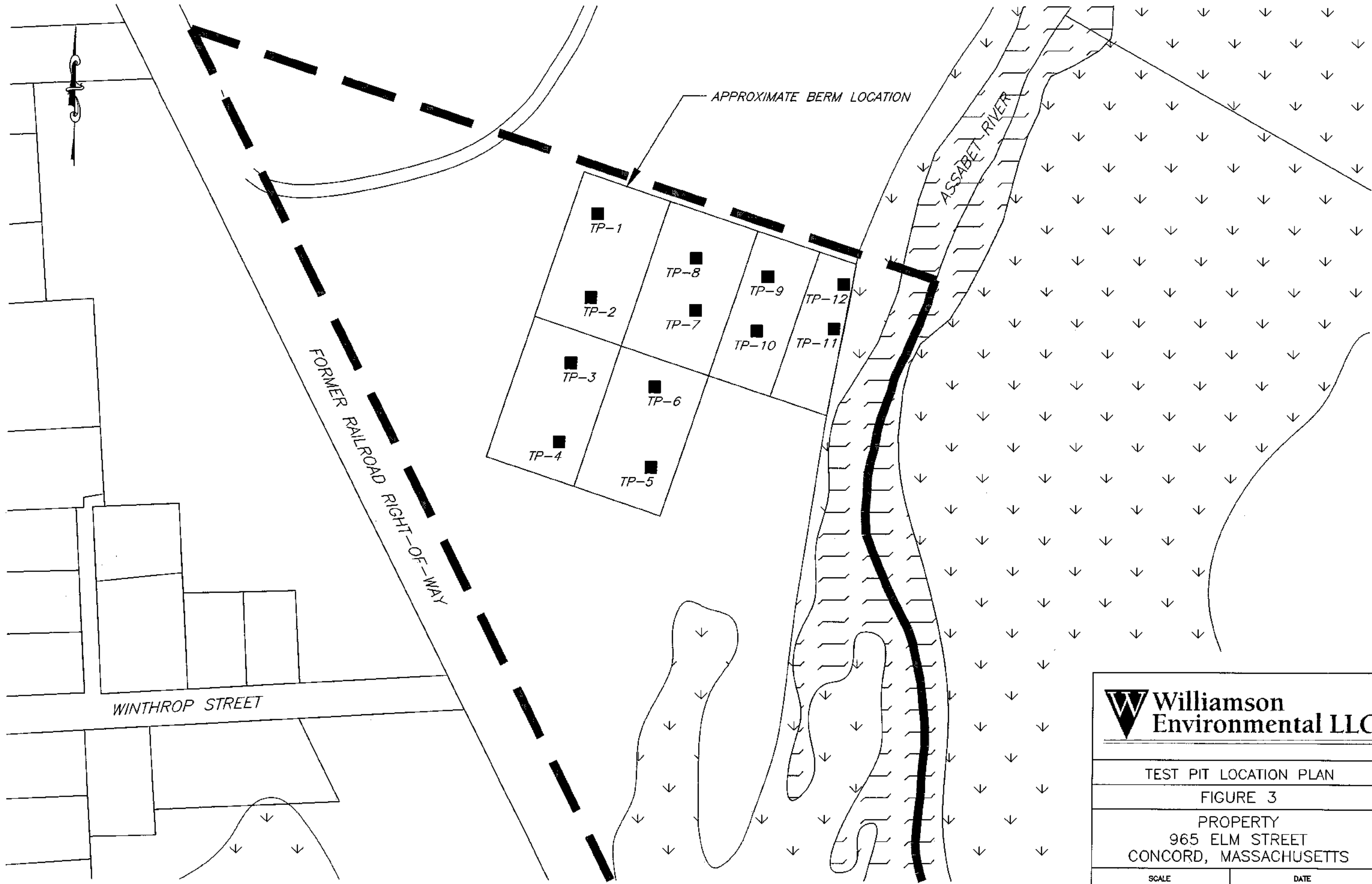
SCALE

1" = 300'

DATE

2/26/09

FIGURE CREATED FROM PORTIONS OF THE TOWN OF CONCORD ASSESSORS' MAPS NOS. 80, BE, & 9D.



APPROXIMATE BERM LOCATION

ASSABET RIVER

FORMER RAILROAD RIGHT-OF-WAY

WINTHROP STREET

TP-1

TP-2

TP-3

TP-4

TP-8

TP-7

TP-6

TP-5

TP-9

TP-10

TP-12

TP-11



**Williamson
Environmental LLC**

TEST PIT LOCATION PLAN

FIGURE 3

PROPERTY
965 ELM STREET
CONCORD, MASSACHUSETTS

SCALE
1" = 100'

DATE
2/26/09

TABLE 1
SUMMARY OF SOIL ANALYTICAL DATA

Property
Portion of 965 Elm Street
Concord, Massachusetts

Compound	Sample Collection Date, ID, and Depth												MCP	
	January 9, 2009												Reportable Standards	
	TP-1 5'	TP-2 5'	TP-3 4'	TP-4 5'	TP-5 5'	TP-6 6'	TP-7 5'	TP-8 5'	TP-9 5'	TP-10 5'	TP-11 5'	TP-12 5'	RCS-1 (mg/kg)	RCS-2 (mg/kg)
PID Reading (ppmv)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	NA	NA
VOC (mg/Kg)														
Benzene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	2	200
Toluene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	30	1,000
Ethylbenzene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	40	1,000
Total Xylenes	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	300	300
Naphthalene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	4	40
n-Butylbenzene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	NE	NE
sec-Butylbenzene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	NE	NE
Chlorobenzene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1	3
1,2-Dichlorobenzene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	9	30
1,3-Dichlorobenzene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1	40
1,4-Dichlorobenzene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.7	4
1,1-Dichloroethane	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.4	5
cis-1,2-Dichloroethane	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.3	0.4
Isopropylbenzene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1,000	10,000
4-Isopropyltoluene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	NE	NE
n-Propylbenzene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	NE	NE
Tetrachloroethene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1	10
1,2,4-Trichlorobenzene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	2	70
1,1,1-Trichloroethane	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	30	600
Trichloroethene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.3	2
1,2,4-Trimethylbenzene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1,000	10,000
1,3,5-Trimethylbenzene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	10	100
PCBs (mg/Kg)														
PCB 1016	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	2	2
PCB 1221	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	2	2
PCB 1232	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	2	2
PCB 1242	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	2	2
PCB 1248	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	2	2
PCB 1254	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	2	2
PCB 1260	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	2	2
PCB 1262	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	2	2
PCB 1268	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	2	2
TPH (mg/Kg)														
Unidentified	171	<29.6	<29.2	<29.2	<29.1	<28.5	<28.4	<29.5	<28.5	<29.5	<30.2	<29.2	NE	NE
Total Petroleum Hydrocarbons	171	<29.6	<29.2	<29.2	<29.1	<28.5	<28.4	<29.5	<28.5	<29.5	<30.2	<29.2	1,000	3,000
RCRA 13 Metals (mg/Kg)														
Silver	<1.6	<1.5	<1.4	<1.5	<1.6	<1.5	<1.5	<1.6	<1.5	<1.6	<1.5	<1.6	100	200
Arsenic	2.1	6.2	6.3	4.1	5.2	3.9	5.7	3.6	6	3.5	10.2	4.6	20	20
Beryllium	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.4	<0.5	<0.5	<0.5	<0.5	<0.5	100	200
Cadmium	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2	30
Chromium	12.9	14.8	15.6	16.3	20.1	19.8	30.6	30.8	41.3	29.9	29.8	42.7	30	200
Copper	8.5	9.1	16.5	15.5	10.7	5.7	12.8	7.5	11.8	6.6	16.4	10.3	1,000	10,000
Nickel	5.2	8.4	8.4	7.6	5.7	7	8.5	8.2	8.6	6.7	9	5.6	20	700
Lead	38.2	10.4	13.8	10.2	16.8	10.7	19.7	23.6	14.9	28	51	35.8	300	300
Antimony	<3	<3	<2.9	<3	<3.2	<3	<2.9	<3.1	<2.9	<3.1	<3	<3.2	20	30
Selenium	<1.5	<1.5	<1.4	<1.5	<1.6	<1.5	<1.5	<1.6	<1.5	<1.6	<1.5	<1.6	400	800
Thallium	<3	<3	<2.9	<3	<3.2	<3	<2.9	<3.1	<2.9	<3.1	<3	<3.2	8	60
Zinc	26.3	19.9	23.4	22.4	19.3	15.8	28.2	19.3	22.6	15.7	37.1	23.9	2,500	3,000
Mercury	0.2	0.03	0.04	0.04	0.1	0.04	0.1	0.1	0.1	0.2	0.7	0.2	20	30
General Chemistry														
Percent Solids (%)	90.4	89.2	89.9	89.5	89.5	90.4	90.7	89.9	89.9	87.0	87.1	90	NE	NE
pH (pH Units)	8.8	8.6	8	8	7.9	7.3	4.7	4.9	6.1	5.1	5.3	5.7	NE	NE

Notes:

PID is photoionization detector.

ppmv is parts per million volume

VOC is volatile organic compounds

mg/Kg is milligram per kilogram

NE is not established

Compound not listed were not detected above the laboratory reporting limit (RL).

Compound detected above MCP Reportable Concentrations are highlighted and in bold

PCBs are polychlorinated biphenyls

TPH is total petroleum hydrocarbons

indicates concentration is above MCP Reportable Standard for soil category RCS-1 but below Reportable Standard for soil category RCS-2

ATTACHMENT A

Table 1

CURRENT
COMMONWEALTH
DEPT OF CORRECTIONS
965 ELM ST
CONCORD, MA 01742
Additional Owners:

•

RECONSTRUCTION OF THE COMMONWEALTH

1

Year	Turn In

[illegible]

[illegible]

NBHD/ SUB
20/A

U.S. HOUSE OF REPRESENTATIVES

AND 19-41 ELM PI

11

MCI CONCORD
D2601-0103.0

1

Permit ID	1884

The diagram shows a rectangular domain with a central square hole. The domain is defined by $x \in [-10, 10]$ and $y \in [-10, 10]$. The central square hole is defined by $x \in [-2, 2]$ and $y \in [-2, 2]$. The domain is divided into four quadrants by the x and y axes. The central hole is also centered at the origin. The diagram is labeled with 'x' and 'y' axes and numerical values.

[illegible]

B #	Use Code	Dr

1	912R	CORR R	ERR
1	9120	CORR R	ERR

1

BAS[9890]
FOP[630]
FAT[7680]
FUS[7680]
UBM[9890]

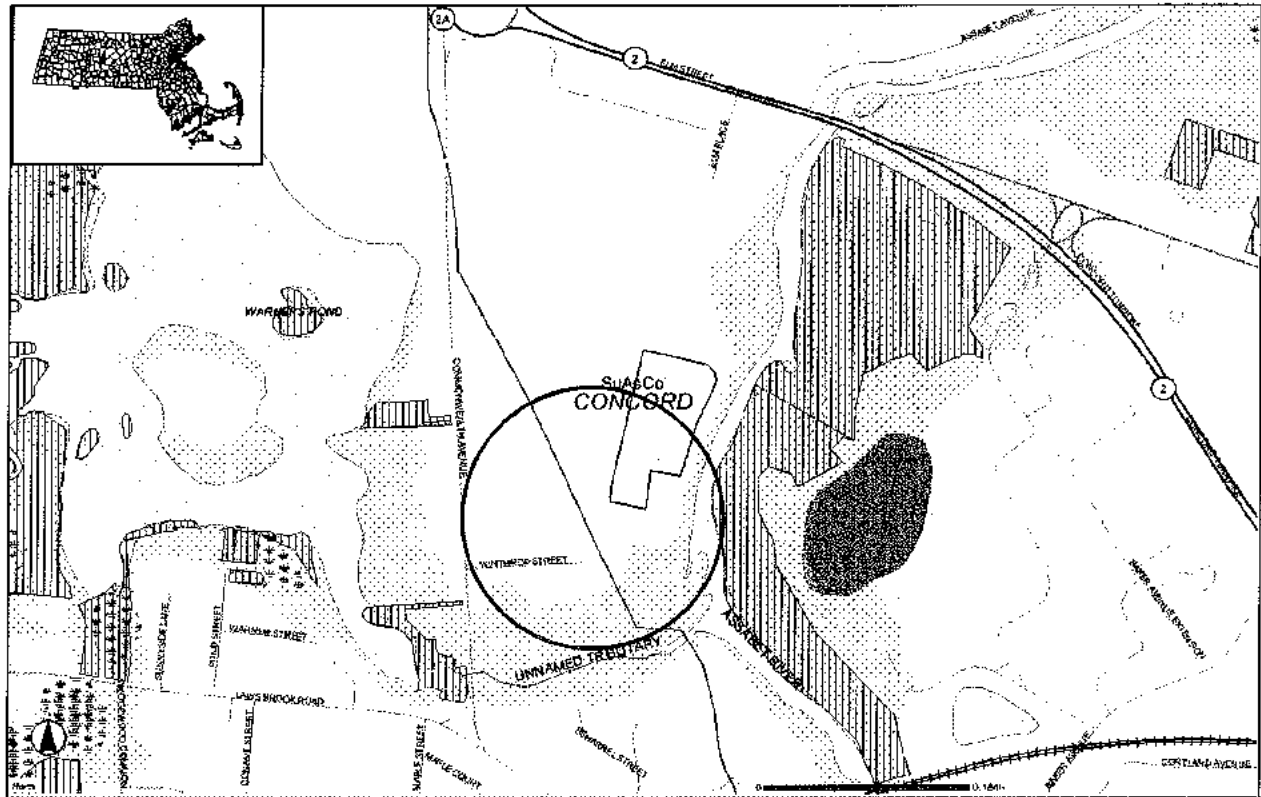
The diagram shows a rectangular room layout. On the left side, there is a vertical strip labeled 'FAT' with a dimension of '11'. To its right is a large rectangular area labeled 'FUS' with a dimension of '32' on its left side. Further right is another vertical strip labeled 'FOP' with a dimension of '33'. To the right of 'FOP' is a large rectangular area labeled 'BAS' with a dimension of '26' on its right side. To the right of 'BAS' is a vertical strip labeled 'UBM' with a dimension of '17' on its right side. At the bottom of the 'FUS' area, there is a small rectangular area labeled 'FOP' with a dimension of '18'. To the right of this 'FOP' area is a small rectangular area labeled 'FOP' with a dimension of '7'. The overall dimensions of the main room are '11' on the left and '15' on the right.

No Photo On Record

No Photo On Record

No Photo On Record

**MASSACHUSETTS GEOGRAPHIC INFORMATION SYSTEMS
PRIORITY RESOURCE MAP**



DEP MCP 21a Map Legend

Zone IIs IWPAs Zone A Sole Source Aquifers Solid Waste Sites Protected Openspace ACECs NHESP Estimated Habitat of Rare Wildlife in Wetland Areas Certified Vernal Pools 2003 NHESP Subbasins Mass Major Basins DEP Region Town Arcs County Boundaries	Public Water Supplies COMMUNITY PUBLIC WATER SUPPLY - GROUNDWATER COMMUNITY PUBLIC WATER SUPPLY - SURFACE WATER NON COMMUNITY PUBLIC WATER SUPPLY Aquifers, By Yield HIGH YIELD MEDIUM YIELD Non Potential Drinking Water Source Area HIGH YIELD MEDIUM YIELD FEMA Floodplains 100 YEAR FLOODPLAIN	Hydrography WATER RESERVOIR WETLANDS SALTWATER WETLANDS RATS/SOALS Rivers and Streams PERENNIAL INTERMITTENT SHORELINE MAN MADE SHORE DAM AQUEDUCT	MHD Roads LIMITED ACCESS HIGHWAY MULTILANE HWY NOT LIMITED ACCESS OTHER NUMBERED HWY MAJOR ROAD COLLECTOR MAJOR STREET OR ROAD RAMP Tracks and Trails MHD TRACK TRAIL Transmission Lines PIPELINE POWERLINE TRAIN



ATTACHMENT D

**PROPERTY
965 ELM STREET
CONCORD, MASSACHUSETTS**

AERIAL PHOTOGRAPH



ATTACHMENT E

**SITE PHOTOGRAPHS
PORTION OF 965 ELM STREET
CONCORD, MASSACHUSETTS**



Photograph 1: View of test pit excavation activities conducted on January 9, 2009



Photograph 2: View of test pit excavated on January 9, 2009

**SITE PHOTOGRAPHS
PORTION OF 965 ELM STREET
CONCORD, MASSACHUSETTS**



Photograph 3: View of soil stockpiles and soil screener staged on site – February 17, 2009



Photograph 4: View of soil stockpiles and scrap metal – February 17, 2009

**SITE PHOTOGRAPHS
PORTION OF 965 ELM STREET
CONCORD, MASSACHUSETTS**



Photograph 5: View of site looking east – February 17, 2009



Photograph 6: View of snow stockpiled on site – February 17, 2009

**SITE PHOTOGRAPHS
PORTION OF 965 ELM STREET
CONCORD, MASSACHUSETTS**



Photograph 7: View of the southern exterior wall of the MCI Concord facility as viewed from the site – February 17, 2009



Photograph 8: Approximate location of proposed access road into the site – February 17, 2009

ATTACHMENT F

Report Date:
22-Jan-09 17:36



SPECTRUM ANALYTICAL, INC.

Featuring

HANIBAL TECHNOLOGY

Laboratory Report

☒ Final Report
☐ Re-Issued Report
☐ Revised Report

RECEIVED JAN 26 2009

Williamson Environmental, LLC
280 Ayer Road
Harvard, MA 01451
Attn: Joe Resca

Project: GPR Concord - Concord, MA
Project [none]

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SA89635-01	TP-1 5' 018	Soil	09-Jan-09 08:30	09-Jan-09 16:25
SA89635-02	TP-2 5' 007	Soil	09-Jan-09 09:00	09-Jan-09 16:25
SA89635-03	TP-3 4' 008	Soil	09-Jan-09 09:30	09-Jan-09 16:25
SA89635-04	TP-4 5' 009	Soil	09-Jan-09 10:00	09-Jan-09 16:25
SA89635-05	TP-5 5' 010	Soil	09-Jan-09 10:30	09-Jan-09 16:25
SA89635-06	TP-6 6' 011	Soil	09-Jan-09 10:45	09-Jan-09 16:25
SA89635-07	TP-7 5' 012	Soil	09-Jan-09 11:00	09-Jan-09 16:25
SA89635-08	TP-8 5' 013	Soil	09-Jan-09 11:15	09-Jan-09 16:25
SA89635-09	TP-9 5' 014	Soil	09-Jan-09 11:30	09-Jan-09 16:25
SA89635-10	TP-10 5' 015	Soil	09-Jan-09 11:45	09-Jan-09 16:25
SA89635-11	TP-11 5' 016	Soil	09-Jan-09 12:00	09-Jan-09 16:25
SA89635-12	TP-12 5' 017	Soil	09-Jan-09 12:30	09-Jan-09 16:25

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393



Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Technical Reviewer's Initial:

Spectrum Analytical holds certification in the State of Massachusetts for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of Massachusetts does not offer certification for all analytes.
Please note that this report contains 57 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supercedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report is available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

CASE NARRATIVE:

The samples were received 2.8 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

EPA 200.7

Laboratory Control Samples:

9010607-SRM1

Analyte out of acceptance range in QC spike but no reportable concentration present in sample

Antimony

Duplicates:

9010607-DUPI Source SA89635-01

Analyses are not controlled on RPD values from sample concentrations that are less than 5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit.

Silver

SW846 8260B

Blanks:

9010632-BLK1

Contamination in blank is carryover from previous sample analyzed in same purge vessel. This contamination is not present in purge vessels that associated samples were purged in.

Naphthalene

Laboratory Control Samples:

9010632-BS1

Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

Bromochloromethane

Analyte out of acceptance range.

1,4-Dioxane

9010632-BSD1

Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

Bromochloromethane

9010695-BS1

Analyte out of acceptance range.

1,4-Dioxane

Sample Identification
TP-1 S' 018
SA89635-01

Client Project #
[none]

Matrix
Soil

Collection Date/Time
09-Jan-09 08:30

Received
09-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	09-Jan-09	09-Jan-09	9010545	
Volatile Organic Compounds											
Prepared by method SW846 5030 Soil (high level)						Initial weight: 15.11 g					
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	60.3	50	SW846 8260B	12-Jan-09	12-Jan-09	9010632	
67-64-1	Acetone	BRL		µg/kg dry	603	50	"	"	"	"	
107-13-1	Acrylonitrile	BRL		µg/kg dry	60.3	50	"	"	"	"	
71-43-2	Benzene	BRL		µg/kg dry	60.3	50	"	"	"	"	
108-86-1	Bromobenzene	BRL		µg/kg dry	60.3	50	"	"	"	"	
74-97-5	Bromochloromethane	BRL		µg/kg dry	60.3	50	"	"	"	"	
75-27-4	Bromodichloromethane	BRL		µg/kg dry	60.3	50	"	"	"	"	
75-25-2	Bromoform	BRL		µg/kg dry	60.3	50	"	"	"	"	
74-83-9	Bromomethane	BRL		µg/kg dry	121	50	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	603	50	"	"	"	"	
104-51-8	n-Butylbenzene	BRL		µg/kg dry	60.3	50	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	60.3	50	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	60.3	50	"	"	"	"	
75-15-0	Carbon disulfide	BRL		µg/kg dry	301	50	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	60.3	50	"	"	"	"	
108-90-7	Chlorobenzene	BRL		µg/kg dry	60.3	50	"	"	"	"	
75-00-3	Chloroethane	BRL		µg/kg dry	121	50	"	"	"	"	
67-66-3	Chloroform	BRL		µg/kg dry	60.3	50	"	"	"	"	
74-87-3	Chloromethane	BRL		µg/kg dry	121	50	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	60.3	50	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	60.3	50	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	121	50	"	"	"	"	
124-48-1	Dibromochloromethane	BRL		µg/kg dry	60.3	50	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	60.3	50	"	"	"	"	
74-95-3	Dibromomethane	BRL		µg/kg dry	60.3	50	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	60.3	50	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	60.3	50	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	60.3	50	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon 12)	BRL		µg/kg dry	121	50	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	60.3	50	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	60.3	50	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	60.3	50	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	60.3	50	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	60.3	50	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	60.3	50	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	60.3	50	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	60.3	50	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	60.3	50	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	60.3	50	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	60.3	50	"	"	"	"	
100-41-4	Ethylbenzene	BRL		µg/kg dry	60.3	50	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	60.3	50	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	603	50	"	"	"	"	
98-82-8	Isopropylbenzene	BRL		µg/kg dry	60.3	50	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	60.3	50	"	"	"	"	
1534-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	60.3	50	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	603	50	"	"	"	"	
75-09-2	Methylene chloride	BRL		µg/kg dry	603	50	"	"	"	"	
91-20-3	Naphthalene	BRL		µg/kg dry	60.3	50	"	"	"	"	

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit

BRL = Below Reporting Limit

Sample Identification

TP-1 5' 018

SA89635-01

Client Project #

[none]

Matrix

Soil

Collection Date/Time

09-Jan-09 08:30

Received

09-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
<u>Volatile Organic Compounds</u>											
Prepared by method SW846 5030 Soil (high level)						Initial weight: 15.11 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	60.3	50	SW846 8260B	12-Jan-09	12-Jan-09	9010632	
100-42-5	Styrene	BRL		µg/kg dry	60.3	50	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	60.3	50	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	60.3	50	"	"	"	"	
127-18-4	Tetrachloroethene	BRL		µg/kg dry	60.3	50	"	"	"	"	
108-88-3	Toluene	BRL		µg/kg dry	60.3	50	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	60.3	50	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	60.3	50	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	60.3	50	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	60.3	50	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	60.3	50	"	"	"	"	
79-01-6	Trichloroethene	BRL		µg/kg dry	60.3	50	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	60.3	50	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	60.3	50	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	60.3	50	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	60.3	50	"	"	"	"	
75-01-4	Vinyl chloride	BRL		µg/kg dry	60.3	50	"	"	"	"	
179601-23-1	m,p-Xylene	BRL		µg/kg dry	121	50	"	"	"	"	
95-47-6	o-Xylene	BRL		µg/kg dry	60.3	50	"	"	"	"	
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	60.3	50	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	60.3	50	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	60.3	50	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	60.3	50	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	60.3	50	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	60.3	50	"	"	"	"	
123-91-1	1,4-Dioxane	BRL		µg/kg dry	1210	50	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	301	50	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	24100	50	"	"	"	"	

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	105	70-130 %	"	"	"	"
2037-26-5	Toluene-d8	97	70-130 %	"	"	"	"
17060-07-0	1,2-Dichloroethane-d4	103	70-130 %	"	"	"	"
1868-53-7	Dibromofluoromethane	116	70-130 %	"	"	"	"

Semivolatile Organic Compounds by GCPolychlorinated Biphenyls by SW846 8082

Prepared by method SW846 3545A

12674-11-2	PCB 1016	BRL		µg/kg dry	21.2	1	SW846 8082	16-Jan-09	17-Jan-09	9010977	
11104-28-2	PCB 1221	BRL		µg/kg dry	21.2	1	"	"	"	"	
11141-16-5	PCB 1232	BRL		µg/kg dry	21.2	1	"	"	"	"	
53469-21-9	PCB 1242	BRL		µg/kg dry	21.2	1	"	"	"	"	
12672-29-6	PCB 1248	BRL		µg/kg dry	21.2	1	"	"	"	"	
11097-69-1	PCB 1254	BRL		µg/kg dry	21.2	1	"	"	"	"	
11096-82-5	PCB 1260	BRL		µg/kg dry	21.2	1	"	"	"	"	
37324-23-5	PCB 1262	BRL		µg/kg dry	21.2	1	"	"	"	"	
11100-14-4	PCB 1268	BRL		µg/kg dry	21.2	1	"	"	"	"	

Surrogate recoveries:

10386-94-2	4,4'-DB-Octafluorobiphenyl (Sr)	98	30-150 %	"	"	"	"
2051-24-3	Decachlorobiphenyl (Sr)	104	30-150 %	"	"	"	"

Extractable Petroleum Hydrocarbons

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Sample Identification
TP-1 5' 018
SA89635-01

Client Project #
[none]

Matrix
Soil

Collection Date/Time
09-Jan-09 08:30

Received
09-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
TPH 8100 by GC											
Prepared by method SW846 3550B											
8008-61-9	Gasoline	BRL		mg/kg dry	58.3	2	+SW846 8100Mod	15-Jan-09	15-Jan-09	9010859	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	58.3	2	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	58.3	2	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	58.3	2	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	58.3	2	"	"	"	"	
8032-32-4	Ligroin	BRL		mg/kg dry	58.3	2	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	58.3	2	"	"	"	"	
	Hydraulic Oil	BRL		mg/kg dry	58.3	2	"	"	"	"	
	Dielectric Fluid	BRL		mg/kg dry	58.3	2	"	"	"	"	
	Unidentified	171		mg/kg dry	58.3	2	"	"	"	"	
	Other Oil	Calculated as		mg/kg dry	58.3	2	"	"	"	"	
	Total Petroleum Hydrocarbons	171		mg/kg dry	58.3	2	"	"	"	"	
Surrogate recoveries:											
3386-33-2	1-Chlorooctadecane	78		40-140 %			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-97-6	Mercury	0.201		mg/kg dry	0.0315	1	SW846 7471A	15-Jan-09	19-Jan-09	9010811	
Total Metals by EPA 200 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.52	1	EPA 200.7	15-Jan-09	19-Jan-09	9010807	
7440-38-2	Arsenic	2.12		mg/kg dry	1.52	1	"	"	"	"	
7440-41-7	Beryllium	BRL		mg/kg dry	0.507	1	"	"	"	"	
7440-43-9	Cadmium	BRL		mg/kg dry	0.507	1	"	"	"	"	
7440-47-3	Chromium	12.9		mg/kg dry	1.01	1	"	"	"	"	
7440-50-8	Copper	8.47		mg/kg dry	1.01	1	"	"	"	"	
7440-02-0	Nickel	5.21		mg/kg dry	1.01	1	"	"	"	"	
7439-92-1	Lead	38.2		mg/kg dry	1.52	1	"	"	"	"	
7440-36-0	Antimony	BRL		mg/kg dry	3.04	1	"	"	"	"	
7782-49-2	Selenium	BRL		mg/kg dry	1.52	1	"	"	"	"	
7440-28-0	Thallium	BRL		mg/kg dry	3.04	1	"	"	"	"	
7440-66-6	Zinc	26.3		mg/kg dry	1.01	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	90.4		%		1	SM2540 G Mod.	14-Jan-09	14-Jan-09	9010820	
Toxicity Characteristics											
	pH	8.77		pH Units		1	SW846 9045C	10-Jan-09 08:07	10-Jan-09 11:07	9010555	

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Sample Identification
TP-2 5' 007
SA89635-02

Client Project #
[none]

Matrix
Soil

Collection Date/Time
09-Jan-09 09:00

Received
09-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	09-Jan-09	09-Jan-09	9010545	
Volatile Organic Compounds											
Prepared by method SW846 5030 Soil (high level)						Initial weight: 14.67 g					
75-13-1	1,1,2-Trichlorotrifluoroethane (Freon BRL 113)			µg/kg dry	63.4	50	SW846 8260B	13-Jan-09	13-Jan-09	9010695	
67-64-1	Acetone	BRL		µg/kg dry	634	50	"	"	"	"	
107-13-1	Acrylonitrile	BRL		µg/kg dry	63.4	50	"	"	"	"	
71-43-2	Benzene	BRL		µg/kg dry	63.4	50	"	"	"	"	
108-86-1	Bromobenzene	BRL		µg/kg dry	63.4	50	"	"	"	"	
74-97-5	Bromochloromethane	BRL		µg/kg dry	63.4	50	"	"	"	"	
75-27-4	Bromodichloromethane	BRL		µg/kg dry	63.4	50	"	"	"	"	
75-25-2	Bromoform	BRL		µg/kg dry	63.4	50	"	"	"	"	
74-83-9	Bromomethane	BRL		µg/kg dry	127	50	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	634	50	"	"	"	"	
104-51-8	n-Butylbenzene	BRL		µg/kg dry	63.4	50	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	63.4	50	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	63.4	50	"	"	"	"	
75-15-0	Carbon disulfide	BRL		µg/kg dry	317	50	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	63.4	50	"	"	"	"	
108-90-7	Chlorobenzene	BRL		µg/kg dry	63.4	50	"	"	"	"	
75-00-3	Chloroethane	BRL		µg/kg dry	127	50	"	"	"	"	
67-66-3	Chloroform	BRL		µg/kg dry	63.4	50	"	"	"	"	
74-87-3	Chloromethane	BRL		µg/kg dry	127	50	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	63.4	50	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	63.4	50	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	127	50	"	"	"	"	
124-48-1	Dibromochloromethane	BRL		µg/kg dry	63.4	50	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	63.4	50	"	"	"	"	
74-96-3	Dibromomethane	BRL		µg/kg dry	63.4	50	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	63.4	50	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	63.4	50	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	63.4	50	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	127	50	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	63.4	50	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	63.4	50	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	63.4	50	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	63.4	50	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	63.4	50	"	"	"	"	
78-87-6	1,2-Dichloropropane	BRL		µg/kg dry	63.4	50	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	63.4	50	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	63.4	50	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	63.4	50	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	63.4	50	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	63.4	50	"	"	"	"	
100-41-4	Ethylbenzene	BRL		µg/kg dry	63.4	50	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	63.4	50	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	634	50	"	"	"	"	
98-82-8	Isopropylbenzene	BRL		µg/kg dry	63.4	50	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	63.4	50	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	63.4	50	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	634	50	"	"	"	"	
75-09-2	Methylene chloride	BRL		µg/kg dry	634	50	"	"	"	"	
91-20-3	Naphthalene	BRL		µg/kg dry	63.4	50	"	"	"	"	

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Sample Identification
TP-2 5' 007
SA89635-02

Client Project #
[none]

Matrix
Soil

Collection Date/Time
09-Jan-09 09:00

Received
09-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
<u>Volatile Organic Compounds</u>											
Prepared by method SW846 5030 Soil (high level)						Initial weight: 14.67 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	63.4	50	SW846 8260B	13-Jan-09	13-Jan-09	9010695	
100-42-5	Styrene	BRL		µg/kg dry	63.4	50	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	63.4	50	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	63.4	50	"	"	"	"	
127-18-4	Tetrachloroethene	BRL		µg/kg dry	63.4	50	"	"	"	"	
108-88-3	Toluene	BRL		µg/kg dry	63.4	50	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	63.4	50	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	63.4	50	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	63.4	50	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	63.4	50	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	63.4	50	"	"	"	"	
79-01-6	Trichloroethene	BRL		µg/kg dry	63.4	50	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	63.4	50	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	63.4	50	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	63.4	50	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	63.4	50	"	"	"	"	
75-01-4	Vinyl chloride	BRL		µg/kg dry	63.4	50	"	"	"	"	
179601-23-1	m,p-Xylene	BRL		µg/kg dry	127	50	"	"	"	"	
95-47-6	o-Xylene	BRL		µg/kg dry	63.4	50	"	"	"	"	
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	63.4	50	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	63.4	50	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	63.4	50	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	63.4	50	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	63.4	50	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	63.4	50	"	"	"	"	
123-91-1	1,4-Dioxane	BRL		µg/kg dry	1270	50	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	317	50	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	25400	50	"	"	"	"	
<u>Surrogate recoveries:</u>											
460-00-4	4-Bromofluorobenzene	105		70-130 %			"	"	"	"	
2037-26-5	Toluene-d8	97		70-130 %			"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	113		70-130 %			"	"	"	"	
1868-53-7	Dibromofluoromethane	117		70-130 %			"	"	"	"	
Semivolatile Organic Compounds by GC											
<u>Polychlorinated Biphenyls by SW846 8082</u>											
Prepared by method SW846 3545A											
12674-11-2	PCB 1016	BRL		µg/kg dry	21.7	1	SW846 8082	16-Jan-09	17-Jan-09	9010977	
11104-28-2	PCB 1221	BRL		µg/kg dry	21.7	1	"	"	"	"	
11141-16-5	PCB 1232	BRL		µg/kg dry	21.7	1	"	"	"	"	
53469-21-9	PCB 1242	BRL		µg/kg dry	21.7	1	"	"	"	"	
12672-29-6	PCB 1248	BRL		µg/kg dry	21.7	1	"	"	"	"	
11097-69-1	PCB 1254	BRL		µg/kg dry	21.7	1	"	"	"	"	
11096-82-5	PCB 1260	BRL		µg/kg dry	21.7	1	"	"	"	"	
37324-23-5	PCB 1262	BRL		µg/kg dry	21.7	1	"	"	"	"	
11100-14-4	PCB 1268	BRL		µg/kg dry	21.7	1	"	"	"	"	
<u>Surrogate recoveries:</u>											
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	101		30-150 %			"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	104		30-150 %			"	"	"	"	
Extractable Petroleum Hydrocarbons											

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* Reportable Detection Limit

BRL = Below Reporting Limit

Sample Identification

TP-2 5' 007

SA89635-02

Client Project #

[none]

Matrix

Soil

Collection Date/Time

09-Jan-09 09:00

Received

09-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
TPH 8100 by GC											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	29.6	1	+SW846 8100Mod	15-Jan-09	15-Jan-09	9010859	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	29.6	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	29.6	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	29.6	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	29.6	1	"	"	"	"	
8032-32-4	Ligroin	BRL		mg/kg dry	29.6	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	29.6	1	"	"	"	"	
	Hydraulic Oil	BRL		mg/kg dry	29.6	1	"	"	"	"	
	Dielectric Fluid	BRL		mg/kg dry	29.6	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	29.6	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	29.6	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	29.6	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	1-Chlorooctadecane	100		40-140 %			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-97-6	Mercury	0.0339		mg/kg dry	0.0332	1	SW846 7471A	15-Jan-09	19-Jan-09	9010611	
Total Metals by EPA 200 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.48	1	EPA 200.7	15-Jan-09	19-Jan-09	9010607	
7440-38-2	Arsenic	6.19		mg/kg dry	1.48	1	"	"	"	"	
7440-41-7	Beryllium	BRL		mg/kg dry	0.493	1	"	"	"	"	
7440-43-9	Cadmium	BRL		mg/kg dry	0.493	1	"	"	"	"	
7440-47-3	Chromium	14.8		mg/kg dry	0.986	1	"	"	"	"	
7440-50-8	Copper	9.07		mg/kg dry	0.986	1	"	"	"	"	
7440-02-0	Nickel	8.38		mg/kg dry	0.986	1	"	"	"	"	
7439-92-1	Lead	10.4		mg/kg dry	1.48	1	"	"	"	"	
7440-36-0	Antimony	BRL		mg/kg dry	2.96	1	"	"	"	"	
7782-49-2	Selenium	BRL		mg/kg dry	1.48	1	"	"	"	"	
7440-28-0	Thallium	BRL		mg/kg dry	2.96	1	"	"	"	"	
7440-66-6	Zinc	19.9		mg/kg dry	0.986	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	89.2		%		1	SM2540 G Mod	14-Jan-09	14-Jan-09	9010820	
Toxicity Characteristics											
	pH	8.57		pH Units		1	SW846 9045C	10-Jan-09 08:07	10-Jan-09 11:07	9010555	

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Sample Identification

TP-3 4' 008
SA89635-03

Client Project #
[none]

Matrix
Soil

Collection Date/Time
09-Jan-09 09:30

Received
09-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatiles Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	09-Jan-09	09-Jan-09	9010545	
Volatiles Organic Compounds											
Prepared by method SW846 5030 Soil (high level)						Initial weight: 15.59 g					
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon/BRL 113)	BRL		µg/kg dry	59.1	50	SW846 8260B	12-Jan-09	12-Jan-09	9010632	
67-64-1	Acetone	BRL		µg/kg dry	59.1	50	"	"	"	"	
107-13-1	Acrylonitrile	BRL		µg/kg dry	59.1	50	"	"	"	"	
71-43-2	Benzene	BRL		µg/kg dry	59.1	50	"	"	"	"	
108-86-1	Bromobenzene	BRL		µg/kg dry	59.1	50	"	"	"	"	
74-97-5	Bromochloromethane	BRL		µg/kg dry	59.1	50	"	"	"	"	
75-27-4	Bromodichloromethane	BRL		µg/kg dry	59.1	50	"	"	"	"	
75-25-2	Bromoform	BRL		µg/kg dry	59.1	50	"	"	"	"	
74-83-9	Bromomethane	BRL		µg/kg dry	118	50	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	59.1	50	"	"	"	"	
104-51-8	n-Butylbenzene	BRL		µg/kg dry	59.1	50	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	59.1	50	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	59.1	50	"	"	"	"	
75-15-0	Carbon disulfide	BRL		µg/kg dry	296	50	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	59.1	50	"	"	"	"	
106-90-7	Chlorobenzene	BRL		µg/kg dry	59.1	50	"	"	"	"	
75-00-3	Chloroethane	BRL		µg/kg dry	118	50	"	"	"	"	
67-66-3	Chloroform	BRL		µg/kg dry	59.1	50	"	"	"	"	
74-87-3	Chloromethane	BRL		µg/kg dry	118	50	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	59.1	50	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	59.1	50	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	118	50	"	"	"	"	
124-48-1	Dibromochloromethane	BRL		µg/kg dry	59.1	50	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	59.1	50	"	"	"	"	
74-95-3	Dibromomethane	BRL		µg/kg dry	59.1	50	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	59.1	50	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	59.1	50	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	59.1	50	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	118	50	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	59.1	50	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	59.1	50	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	59.1	50	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	59.1	50	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	59.1	50	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	59.1	50	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	59.1	50	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	59.1	50	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	59.1	50	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	59.1	50	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	59.1	50	"	"	"	"	
100-41-4	Ethylbenzene	BRL		µg/kg dry	59.1	50	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	59.1	50	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	59.1	50	"	"	"	"	
98-82-8	Isopropylbenzene	BRL		µg/kg dry	59.1	50	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	59.1	50	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	59.1	50	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	59.1	50	"	"	"	"	
75-09-2	Methylene chloride	BRL		µg/kg dry	59.1	50	"	"	"	"	
91-20-3	Naphthalene	BRL		µg/kg dry	59.1	50	"	"	"	"	

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* Reportable Detection Limit

BRL = Below Reporting Limit

Sample Identification

TP-3 4' 008

SA89635-03

Client Project #

[none]

Matrix

Soil

Collection Date/Time

09-Jan-09 09:30

Received

09-Jan-09

CAS No	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
<u>Volatile Organic Compounds</u>											
Prepared by method SW846 5030 Soil (high level)						Initial weight: 15.59 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	59.1	50	SW846 8260B	12-Jan-09	12-Jan-09	9010632	
100-42-5	Styrene	BRL		µg/kg dry	59.1	50	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	59.1	50	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	59.1	50	"	"	"	"	
127-18-4	Tetrachloroethene	BRL		µg/kg dry	59.1	50	"	"	"	"	
108-88-3	Toluene	BRL		µg/kg dry	59.1	50	"	"	"	"	
87-81-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	59.1	50	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	59.1	50	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	59.1	50	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	59.1	50	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	59.1	50	"	"	"	"	
79-01-6	Trichloroethene	BRL		µg/kg dry	59.1	50	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	59.1	50	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	59.1	50	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	59.1	50	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	59.1	50	"	"	"	"	
75-01-4	Vinyl chloride	BRL		µg/kg dry	59.1	50	"	"	"	"	
179601-23-1	m,p-Xylene	BRL		µg/kg dry	118	50	"	"	"	"	
95-47-6	o-Xylene	BRL		µg/kg dry	59.1	50	"	"	"	"	
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	59.1	50	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	59.1	50	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	59.1	50	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	59.1	50	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	59.1	50	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	59.1	50	"	"	"	"	
123-91-1	1,4-Dioxane	BRL		µg/kg dry	1180	50	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	296	50	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	23600	50	"	"	"	"	

Surrogate recoveries:

450-00-4	4-Bromofluorobenzene	106		70-130 %		"	"	"	"	
2037-26-5	Toluene-d8	97		70-130 %		"	"	"	"	
17050-07-0	1,2-Dichloroethane-d4	103		70-130 %		"	"	"	"	
1868-53-7	Dibromofluoromethane	116		70-130 %		"	"	"	"	

Semivolatile Organic Compounds by GCPolychlorinated Biphenyls by SW846 8082

Prepared by method SW846 3545A

12674-11-2	PCB 1016	BRL		µg/kg dry	22.0	1	SW846 8082	16-Jan-09	17-Jan-09	9010977	
11104-28-2	PCB 1221	BRL		µg/kg dry	22.0	1	"	"	"	"	
11141-16-5	PCB 1232	BRL		µg/kg dry	22.0	1	"	"	"	"	
53489-21-9	PCB 1242	BRL		µg/kg dry	22.0	1	"	"	"	"	
12672-29-6	PCB 1248	BRL		µg/kg dry	22.0	1	"	"	"	"	
11097-69-1	PCB 1254	BRL		µg/kg dry	22.0	1	"	"	"	"	
11096-82-5	PCB 1260	BRL		µg/kg dry	22.0	1	"	"	"	"	
37324-23-6	PCB 1262	BRL		µg/kg dry	22.0	1	"	"	"	"	
11100-14-4	PCB 1268	BRL		µg/kg dry	22.0	1	"	"	"	"	

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	104		30-150 %		"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	108		30-150 %		"	"	"	"	

Extractable Petroleum Hydrocarbons

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Sample Identification

TP-3 4' 008

SA89635-03

Client Project #

[none]

Matrix

Soil

Collection Date/Time

09-Jan-09 09:30

Received

09-Jan-09

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Cert.</i>
Extractable Petroleum Hydrocarbons											
TPH 8100 by GC											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	29.2	1	+SW846 8100Mod	15-Jan-09	15-Jan-09	9010859	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	29.2	1	"	"	"	"	"
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	29.2	1	"	"	"	"	"
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	29.2	1	"	"	"	"	"
M09900000	Motor Oil	BRL		mg/kg dry	29.2	1	"	"	"	"	"
8032-32-4	Ligroin	BRL		mg/kg dry	29.2	1	"	"	"	"	"
J00100000	Aviation Fuel	BRL		mg/kg dry	29.2	1	"	"	"	"	"
	Hydraulic Oil	BRL		mg/kg dry	29.2	1	"	"	"	"	"
	Dielectric Fluid	BRL		mg/kg dry	29.2	1	"	"	"	"	"
	Unidentified	BRL		mg/kg dry	29.2	1	"	"	"	"	"
	Other Oil	BRL		mg/kg dry	29.2	1	"	"	"	"	"
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	29.2	1	"	"	"	"	"
Surrogate recoveries:											
3386-33-2	1-Chlorooctadecane	99		40-140 %			"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods											
7439-97-6	Mercury	0.0421		mg/kg dry	0.0313	1	SW846 7471A	15-Jan-09	19-Jan-09	9010811	
Total Metals by EPA 200 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.43	1	EPA 200.7	15-Jan-09	19-Jan-09	9010807	
7440-38-2	Arsenic	6.34		mg/kg dry	1.43	1	"	"	"	"	"
7440-41-7	Beryllium	BRL		mg/kg dry	0.478	1	"	"	"	"	"
7440-43-9	Cadmium	BRL		mg/kg dry	0.478	1	"	"	"	"	"
7440-47-3	Chromium	15.6		mg/kg dry	0.955	1	"	"	"	"	"
7440-50-8	Copper	15.5		mg/kg dry	0.955	1	"	"	"	"	"
7440-02-0	Nickel	8.38		mg/kg dry	0.955	1	"	"	"	"	"
7439-92-1	Lead	13.8		mg/kg dry	1.43	1	"	"	"	"	"
7440-36-0	Antimony	BRL		mg/kg dry	2.87	1	"	"	"	"	"
7782-49-2	Selenium	BRL		mg/kg dry	1.43	1	"	"	"	"	"
7440-28-0	Thallium	BRL		mg/kg dry	2.87	1	"	"	"	"	"
7440-66-6	Zinc	23.4		mg/kg dry	0.955	1	"	"	"	"	"
General Chemistry Parameters											
	% Solids	89.9		%		1	SM2540 G Mod.	14-Jan-09	14-Jan-09	9010820	
Toxicity Characteristics											
	pH	8.02		pH Units		1	SW846 9045C	10-Jan-09 08:07	10-Jan-09 11:09	9010555	

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Sample Identification

TP-4 5' 009

SA89635-04

Client Project #

[none]

Matrix

Soil

Collection Date/Time

09-Jan-09 10:00

Received

09-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	09-Jan-09	09-Jan-09	9010545	
Volatile Organic Compounds											
Prepared by method SW846 5030 Soil (high level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	62.1	50	SW846 8260B	12-Jan-09	13-Jan-09	9010632	
67-64-1	Acetone	BRL		µg/kg dry	62.1	50	"	"	"	"	
107-13-1	Acrylonitrile	BRL		µg/kg dry	62.1	50	"	"	"	"	
71-43-2	Benzene	BRL		µg/kg dry	62.1	50	"	"	"	"	
108-96-1	Bromobenzene	BRL		µg/kg dry	62.1	50	"	"	"	"	
74-97-5	Bromochloromethane	BRL		µg/kg dry	62.1	50	"	"	"	"	
75-27-4	Bromodichloromethane	BRL		µg/kg dry	62.1	50	"	"	"	"	
75-25-2	Bromoform	BRL		µg/kg dry	124	50	"	"	"	"	
74-83-9	Bromomethane	BRL		µg/kg dry	62.1	50	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	62.1	50	"	"	"	"	
104-51-8	n-Butylbenzene	BRL		µg/kg dry	62.1	50	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	62.1	50	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	62.1	50	"	"	"	"	
75-15-0	Carbon disulfide	BRL		µg/kg dry	310	50	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	62.1	50	"	"	"	"	
108-90-7	Chlorobenzene	BRL		µg/kg dry	62.1	50	"	"	"	"	
75-00-3	Chloroethane	BRL		µg/kg dry	124	50	"	"	"	"	
67-66-3	Chloroform	BRL		µg/kg dry	62.1	50	"	"	"	"	
74-87-3	Chloromethane	BRL		µg/kg dry	124	50	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	62.1	50	"	"	"	"	
105-43-4	4-Chlorotoluene	BRL		µg/kg dry	62.1	50	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	124	50	"	"	"	"	
124-48-1	Dibromochloromethane	BRL		µg/kg dry	62.1	50	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	62.1	50	"	"	"	"	
74-95-3	Dibromomethane	BRL		µg/kg dry	62.1	50	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	62.1	50	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	62.1	50	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	62.1	50	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon 12)	BRL		µg/kg dry	124	50	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	62.1	50	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	62.1	50	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	62.1	50	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	62.1	50	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	62.1	50	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	62.1	50	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	62.1	50	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	62.1	50	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	62.1	50	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	62.1	50	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	62.1	50	"	"	"	"	
100-41-4	Ethylbenzene	BRL		µg/kg dry	62.1	50	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	62.1	50	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	62.1	50	"	"	"	"	
98-82-8	Isopropylbenzene	BRL		µg/kg dry	62.1	50	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	62.1	50	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	62.1	50	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	62.1	50	"	"	"	"	
75-09-2	Methylene chloride	BRL		µg/kg dry	62.1	50	"	"	"	"	
91-20-3	Naphthalene	BRL		µg/kg dry	62.1	50	"	"	"	"	

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* Reportable Detection Limit

BRL = Below Reporting Limit

Sample Identification

TP-4 5' 009

SA89635-04

Client Project #

[none]

Matrix

Soil

Collection Date/Time

09-Jan-09 10:00

Received

09-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
<u>Volatile Organic Compounds</u>											
Prepared by method SW846 5030 Soil (high level)						Initial weight: 14.91 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	62.1	50	SW846 8260B	12-Jan-09	13-Jan-09	9010632	
100-42-6	Styrene	BRL		µg/kg dry	62.1	50	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	62.1	50	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	62.1	50	"	"	"	"	
127-18-4	Tetrachloroethene	BRL		µg/kg dry	62.1	50	"	"	"	"	
108-88-3	Toluene	BRL		µg/kg dry	62.1	50	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	62.1	50	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	62.1	50	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	62.1	50	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	62.1	50	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	62.1	50	"	"	"	"	
79-01-6	Trichloroethene	BRL		µg/kg dry	62.1	50	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	62.1	50	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	62.1	50	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	62.1	50	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	62.1	50	"	"	"	"	
75-01-4	Vinyl chloride	BRL		µg/kg dry	62.1	50	"	"	"	"	
179601-23-1	m,p-Xylene	BRL		µg/kg dry	124	50	"	"	"	"	
95-47-6	o-Xylene	BRL		µg/kg dry	62.1	50	"	"	"	"	
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	62.1	50	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	62.1	50	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	62.1	50	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	62.1	50	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	62.1	50	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	62.1	50	"	"	"	"	
123-91-1	1,4-Dioxane	BRL		µg/kg dry	1240	50	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	310	50	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	24800	50	"	"	"	"	
<u>Surrogate recoveries:</u>											
460-00-4	4-Bromofluorobenzene	109		70-130 %			"	"	"	"	
2037-26-5	Toluene-d8	97		70-130 %			"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	108		70-130 %			"	"	"	"	
1868-53-7	Dibromofluoromethane	117		70-130 %			"	"	"	"	
Semivolatile Organic Compounds by GC											
<u>Polychlorinated Biphenyls by SW846 8082</u>											
Prepared by method SW846 3545A											
12674-11-2	PCB 1016	BRL		µg/kg dry	20.8	1	SW846 8082	16-Jan-09	17-Jan-09	9010977	
11104-28-2	PCB 1221	BRL		µg/kg dry	20.8	1	"	"	"	"	
11141-16-5	PCB 1232	BRL		µg/kg dry	20.8	1	"	"	"	"	
53469-21-9	PCB 1242	BRL		µg/kg dry	20.8	1	"	"	"	"	
12672-29-6	PCB 1248	BRL		µg/kg dry	20.8	1	"	"	"	"	
11097-69-1	PCB 1254	BRL		µg/kg dry	20.8	1	"	"	"	"	
11096-82-5	PCB 1260	BRL		µg/kg dry	20.8	1	"	"	"	"	
37324-23-5	PCB 1262	BRL		µg/kg dry	20.8	1	"	"	"	"	
11100-14-4	PCB 1268	BRL		µg/kg dry	20.8	1	"	"	"	"	
<u>Surrogate recoveries:</u>											
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	104		30-150 %			"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	102		30-150 %			"	"	"	"	
Extractable Petroleum Hydrocarbons											

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Sample Identification
 TP-4 5' 009
 SA89635-04

Client Project #
 [none]

Matrix
 Soil

Collection Date/Time
 09-Jan-09 10:00

Received
 09-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
TPH 8100 by GC											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	29.2	1	+SW846 8100Mod	15-Jan-09	15-Jan-09	9010859	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	29.2	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	29.2	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	29.2	1	"	"	"	"	
M09600000	Motor Oil	BRL		mg/kg dry	29.2	1	"	"	"	"	
8032-32-4	Ligroin	BRL		mg/kg dry	29.2	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	29.2	1	"	"	"	"	
	Hydraulic Oil	BRL		mg/kg dry	29.2	1	"	"	"	"	
	Dielectric Fluid	BRL		mg/kg dry	29.2	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	29.2	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	29.2	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	29.2	1	"	"	"	"	
Surrogate recoveries:											
3386-32-2	1-Chlorooctadecane	94		40-140 %			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-97-6	Mercury	0.0416		mg/kg dry	0.0288	1	SW846 7471A	15-Jan-09	19-Jan-09	9010611	
Total Metals by EPA 200 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.50	1	EPA 200.7	15-Jan-09	19-Jan-09	9010607	
7440-38-2	Arsenic	4.13		mg/kg dry	1.50	1	"	"	"	"	
7440-41-7	Beryllium	BRL		mg/kg dry	0.498	1	"	"	"	"	
7440-43-9	Cadmium	BRL		mg/kg dry	0.498	1	"	"	"	"	
7440-47-3	Chromium	16.3		mg/kg dry	0.997	1	"	"	"	"	
7440-50-8	Copper	15.5		mg/kg dry	0.997	1	"	"	"	"	
7440-02-0	Nickel	7.64		mg/kg dry	0.997	1	"	"	"	"	
7439-92-1	Lead	10.2		mg/kg dry	1.50	1	"	"	"	"	
7440-36-0	Antimony	BRL		mg/kg dry	2.99	1	"	"	"	"	
7782-49-2	Selenium	BRL		mg/kg dry	1.50	1	"	"	"	"	
7440-28-0	Thallium	BRL		mg/kg dry	2.99	1	"	"	"	"	
7440-66-6	Zinc	22.4		mg/kg dry	0.997	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	89.5		%		1	SM2540 G Mod.	14-Jan-09	14-Jan-09	9010820	
Toxicity Characteristics											
	pH	8.03		pH Units		1	SW846 9045C	10-Jan-09 08:07	10-Jan-09 11:10	9010555	

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Sample Identification

TP-5 S' 010

SA89635-05

Client Project #

[none]

Matrix

Soil

Collection Date/Time

09-Jan-09 10:30

Received

09-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	09-Jan-09	09-Jan-09	9010545	
Volatile Organic Compounds											
Prepared by method SW846 5030 Soil (high level)						Initial weight: 18.51 g					
75-13-1	1,1,2-Trichlorotrifluoroethane (Freon BRL 113)			µg/kg dry	51.1	50	SW846 8260B	12-Jan-09	13-Jan-09	9010632	
67-64-1	Acetone	BRL		µg/kg dry	51.1	50	"	"	"	"	
107-13-1	Acrylonitrile	BRL		µg/kg dry	51.1	50	"	"	"	"	
71-43-2	Benzene	BRL		µg/kg dry	51.1	50	"	"	"	"	
108-86-1	Bromobenzene	BRL		µg/kg dry	51.1	50	"	"	"	"	
74-97-6	Bromochloromethane	BRL		µg/kg dry	51.1	50	"	"	"	"	
75-27-4	Bromodichloromethane	BRL		µg/kg dry	51.1	50	"	"	"	"	
75-25-2	Bromoform	BRL		µg/kg dry	51.1	50	"	"	"	"	
74-83-9	Bromomethane	BRL		µg/kg dry	102	50	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	51.1	50	"	"	"	"	
104-51-8	n-Butylbenzene	BRL		µg/kg dry	51.1	50	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	51.1	50	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	51.1	50	"	"	"	"	
75-15-0	Carbon disulfide	BRL		µg/kg dry	256	50	"	"	"	"	
66-23-5	Carbon tetrachloride	BRL		µg/kg dry	51.1	50	"	"	"	"	
108-90-7	Chlorobenzene	BRL		µg/kg dry	51.1	50	"	"	"	"	
75-00-3	Chloroethane	BRL		µg/kg dry	102	50	"	"	"	"	
67-66-3	Chloroform	BRL		µg/kg dry	51.1	50	"	"	"	"	
74-87-3	Chloromethane	BRL		µg/kg dry	102	50	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	51.1	50	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	51.1	50	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	102	50	"	"	"	"	
124-48-1	Dibromochloromethane	BRL		µg/kg dry	51.1	50	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	51.1	50	"	"	"	"	
74-95-3	Dibromomethane	BRL		µg/kg dry	51.1	50	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	51.1	50	"	"	"	"	
641-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	51.1	50	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	51.1	50	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon 12)	BRL		µg/kg dry	102	50	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	51.1	50	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	51.1	50	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	51.1	50	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	51.1	50	"	"	"	"	
156-60-6	trans-1,2-Dichloroethene	BRL		µg/kg dry	51.1	50	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	51.1	50	"	"	"	"	
142-26-9	1,3-Dichloropropane	BRL		µg/kg dry	51.1	50	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	51.1	50	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	51.1	50	"	"	"	"	
10061-01-6	cis-1,3-Dichloropropene	BRL		µg/kg dry	51.1	50	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	51.1	50	"	"	"	"	
100-41-4	Ethylbenzene	BRL		µg/kg dry	51.1	50	"	"	"	"	
87-86-3	Hexachlorobutadiene	BRL		µg/kg dry	51.1	50	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	51.1	50	"	"	"	"	
98-82-8	Isopropylbenzene	BRL		µg/kg dry	51.1	50	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	51.1	50	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	51.1	50	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	51.1	50	"	"	"	"	
75-09-2	Methylene chloride	BRL		µg/kg dry	51.1	50	"	"	"	"	
91-20-3	Naphthalene	BRL		µg/kg dry	51.1	50	"	"	"	"	

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Sample Identification

TP-5 5' 010

SA89635-05

Client Project #

[none]

Matrix

Soil

Collection Date/Time

09-Jan-09 10:30

Received

09-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
<u>Volatile Organic Compounds</u>											
Prepared by method SW846 5030 Soil (high level)						Initial weight: 18.51 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	51.1	50	SW846 8260B	12-Jan-09	13-Jan-09	9010832	
100-42-5	Styrene	BRL		µg/kg dry	51.1	50	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	51.1	50	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	51.1	50	"	"	"	"	
127-18-4	Tetrachloroethene	BRL		µg/kg dry	51.1	50	"	"	"	"	
108-88-3	Toluene	BRL		µg/kg dry	51.1	50	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	51.1	50	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	51.1	50	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	51.1	50	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	51.1	50	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	51.1	50	"	"	"	"	
79-01-6	Trichloroethene	BRL		µg/kg dry	51.1	50	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	51.1	50	"	"	"	"	
98-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	51.1	50	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	51.1	50	"	"	"	"	
108-87-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	51.1	50	"	"	"	"	
75-01-4	Vinyl chloride	BRL		µg/kg dry	51.1	50	"	"	"	"	
179601-23-1	m,p-Xylene	BRL		µg/kg dry	102	50	"	"	"	"	
95-47-6	o-Xylene	BRL		µg/kg dry	51.1	50	"	"	"	"	
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	51.1	50	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	51.1	50	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	51.1	50	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	51.1	50	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	51.1	50	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	51.1	50	"	"	"	"	
123-91-1	1,4-Dioxane	BRL		µg/kg dry	1020	50	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	256	50	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	20500	50	"	"	"	"	

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	107	70-130 %
2037-26-5	Toluene-d8	98	70-130 %
17060-07-0	1,2-Dichloroethane-d4	104	70-130 %
1868-53-7	Dibromofluoromethane	112	70-130 %

Semivolatile Organic Compounds by GCPolychlorinated Biphenyls by SW846 8082

Prepared by method SW846 3545A

12674-11-2	PCB 1016	BRL	µg/kg dry	22.3	1	SW846 8082	16-Jan-09	17-Jan-09	9010977	
11104-28-2	PCB 1221	BRL	µg/kg dry	22.3	1	"	"	"	"	
11141-16-5	PCB 1232	BRL	µg/kg dry	22.3	1	"	"	"	"	
53469-21-9	PCB 1242	BRL	µg/kg dry	22.3	1	"	"	"	"	
12672-29-6	PCB 1248	BRL	µg/kg dry	22.3	1	"	"	"	"	
11097-69-1	PCB 1254	BRL	µg/kg dry	22.3	1	"	"	"	"	
11096-82-5	PCB 1260	BRL	µg/kg dry	22.3	1	"	"	"	"	
37324-23-5	PCB 1262	BRL	µg/kg dry	22.3	1	"	"	"	"	
11100-14-4	PCB 1268	BRL	µg/kg dry	22.3	1	"	"	"	"	

Surrogate recoveries:

10386-84-2	4,4'-DB-Octafluorobiphenyl (Sr)	103	30-150 %
2051-24-3	Decachlorobiphenyl (Sr)	104	30-150 %

Extractable Petroleum Hydrocarbons

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Sample IdentificationTP-5 5' 010
SA89635-05Client Project #
[none]Matrix
SoilCollection Date/Time
09-Jan-09 10:30Received
09-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
TPH 8100 by GC											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	29.1	1	+SW846 8100Mod.	15-Jan-09	15-Jan-09	9010859	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	29.1	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	29.1	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	29.1	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	29.1	1	"	"	"	"	
8032-32-4	Ligroin	BRL		mg/kg dry	29.1	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	29.1	1	"	"	"	"	
	Hydraulic Oil	BRL		mg/kg dry	29.1	1	"	"	"	"	
	Dielectric Fluid	BRL		mg/kg dry	29.1	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	29.1	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	29.1	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	29.1	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	1-Chlorooctadecane	99		40-140 %			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-97-6	Mercury	0.0481		mg/kg dry	0.0298	1	SW846 7471A	15-Jan-09	19-Jan-09	9010811	
Total Metals by EPA 200 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.58	1	EPA 200.7	15-Jan-09	20-Jan-09	9010807	
7440-38-2	Arsenic	5.24		mg/kg dry	1.58	1	"	"	"	"	
7440-41-7	Beryllium	BRL		mg/kg dry	0.527	1	"	"	"	"	
7440-43-9	Cadmium	BRL		mg/kg dry	0.527	1	"	"	"	"	
7440-47-3	Chromium	20.1		mg/kg dry	1.05	1	"	"	"	"	
7440-50-8	Copper	10.7		mg/kg dry	1.05	1	"	"	"	"	
7440-02-0	Nickel	5.67		mg/kg dry	1.05	1	"	"	"	"	
7439-92-1	Lead	16.8		mg/kg dry	1.58	1	"	"	"	"	
7440-36-0	Antimony	BRL		mg/kg dry	3.16	1	"	"	"	"	
7782-49-2	Selenium	BRL		mg/kg dry	1.58	1	"	"	"	"	
7440-28-0	Thallium	BRL		mg/kg dry	3.16	1	"	"	"	"	
7440-66-6	Zinc	19.3		mg/kg dry	1.05	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	89.5		%		1	SM2540 G Mod.	14-Jan-09	14-Jan-09	9010820	
Toxicity Characteristics											
	pH	7.85		pH Units		1	SW846 9045C	10-Jan-09 08:07	10-Jan-09 11:11	9010555	

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Sample Identification

TP-6 6' 011

SA89635-06

Client Project

[none]

Matrix

Soil

Collection Date/Time

09-Jan-09 10:45

Received

09-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	09-Jan-09	09-Jan-09	9010545	
Volatile Organic Compounds											
Prepared by method SW846 5030 Soil (high level)						Initial weight: 16.22 g					
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	56.4	50	SW846 8260B	12-Jan-09	13-Jan-09	9010632	
67-64-1	Acetone	BRL		µg/kg dry	56.4	50	"	"	"	"	
107-13-1	Acrylonitrile	BRL		µg/kg dry	56.4	50	"	"	"	"	
71-43-2	Benzene	BRL		µg/kg dry	56.4	50	"	"	"	"	
108-86-1	Bromobenzene	BRL		µg/kg dry	56.4	50	"	"	"	"	
74-97-5	Bromochloromethane	BRL		µg/kg dry	56.4	50	"	"	"	"	
75-27-4	Bromodichloromethane	BRL		µg/kg dry	56.4	50	"	"	"	"	
75-25-2	Bromoform	BRL		µg/kg dry	56.4	50	"	"	"	"	
74-83-9	Bromomethane	BRL		µg/kg dry	113	50	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	56.4	50	"	"	"	"	
104-51-8	n-Butylbenzene	BRL		µg/kg dry	56.4	50	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	56.4	50	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	56.4	50	"	"	"	"	
75-15-0	Carbon disulfide	BRL		µg/kg dry	282	50	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	56.4	50	"	"	"	"	
108-90-7	Chlorobenzene	BRL		µg/kg dry	56.4	50	"	"	"	"	
75-00-3	Chloroethane	BRL		µg/kg dry	113	50	"	"	"	"	
67-66-3	Chloroform	BRL		µg/kg dry	56.4	50	"	"	"	"	
74-87-3	Chloromethane	BRL		µg/kg dry	113	50	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	56.4	50	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	56.4	50	"	"	"	"	
98-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	113	50	"	"	"	"	
124-48-1	Dibromochloromethane	BRL		µg/kg dry	56.4	50	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	56.4	50	"	"	"	"	
74-95-3	Dibromomethane	BRL		µg/kg dry	56.4	50	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	56.4	50	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	56.4	50	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	56.4	50	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon 12)	BRL		µg/kg dry	113	50	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	56.4	50	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	56.4	50	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	56.4	50	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	56.4	50	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	56.4	50	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	56.4	50	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	56.4	50	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	56.4	50	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	56.4	50	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	56.4	50	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	56.4	50	"	"	"	"	
100-41-4	Ethylbenzene	BRL		µg/kg dry	56.4	50	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	56.4	50	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	56.4	50	"	"	"	"	
98-82-8	Isopropylbenzene	BRL		µg/kg dry	56.4	50	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	56.4	50	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	56.4	50	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	56.4	50	"	"	"	"	
75-09-2	Methylene chloride	BRL		µg/kg dry	56.4	50	"	"	"	"	
91-20-3	Naphthalene	BRL		µg/kg dry	56.4	50	"	"	"	"	

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* Reportable Detection Limit

BRL = Below Reporting Limit

Sample Identification
TP-6 6' 011
SA89635-06

Client Project #
[none]

Matrix
Soil

Collection Date/Time
09-Jan-09 10:45

Received
09-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
<u>Volatile Organic Compounds</u>											
Prepared by method SW846 5030 Soil (high level)						Initial weight: 16.22 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	56.4	50	SW846 8260B	12-Jan-09	13-Jan-09	9010632	
100-42-5	Styrene	BRL		µg/kg dry	56.4	50	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	56.4	50	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	56.4	50	"	"	"	"	
127-18-4	Tetrachloroethene	BRL		µg/kg dry	56.4	50	"	"	"	"	
108-88-3	Toluene	BRL		µg/kg dry	56.4	50	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	56.4	50	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	56.4	50	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	56.4	50	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	56.4	50	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	56.4	50	"	"	"	"	
79-01-6	Trichloroethene	BRL		µg/kg dry	56.4	50	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	56.4	50	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	56.4	50	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	56.4	50	"	"	"	"	
108-67-6	1,3,5-Trimethylbenzene	BRL		µg/kg dry	56.4	50	"	"	"	"	
75-01-4	Vinyl chloride	BRL		µg/kg dry	56.4	50	"	"	"	"	
178601-23-1	m,p-Xylene	BRL		µg/kg dry	113	50	"	"	"	"	
95-47-6	o-Xylene	BRL		µg/kg dry	56.4	50	"	"	"	"	
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	56.4	50	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	56.4	50	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	56.4	50	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	56.4	50	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	56.4	50	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	56.4	50	"	"	"	"	
123-91-1	1,4-Dioxane	BRL		µg/kg dry	1130	50	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	282	50	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	22600	50	"	"	"	"	
<u>Surrogate recoveries:</u>											
460-00-4	4-Bromofluorobenzene	107		70-130 %			"	"	"	"	
2037-26-5	Toluene-d8	97		70-130 %			"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	106		70-130 %			"	"	"	"	
1868-53-7	Dibromofluoromethane	117		70-130 %			"	"	"	"	
Semivolatile Organic Compounds by GC											
<u>Polychlorinated Biphenyls by SW846 8082</u>											
Prepared by method SW846 3545A											
12674-11-2	PCB 1016	BRL		µg/kg dry	20.7	1	SW846 8082	16-Jan-09	17-Jan-09	9010977	
11104-28-2	PCB 1221	BRL		µg/kg dry	20.7	1	"	"	"	"	
11141-16-5	PCB 1232	BRL		µg/kg dry	20.7	1	"	"	"	"	
53469-21-9	PCB 1242	BRL		µg/kg dry	20.7	1	"	"	"	"	
12672-29-6	PCB 1248	BRL		µg/kg dry	20.7	1	"	"	"	"	
11097-69-1	PCB 1254	BRL		µg/kg dry	20.7	1	"	"	"	"	
11098-82-5	PCB 1260	BRL		µg/kg dry	20.7	1	"	"	"	"	
37324-23-5	PCB 1262	BRL		µg/kg dry	20.7	1	"	"	"	"	
11100-14-4	PCB 1268	BRL		µg/kg dry	20.7	1	"	"	"	"	
<u>Surrogate recoveries:</u>											
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	103		30-150 %			"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	101		30-150 %			"	"	"	"	
Extractable Petroleum Hydrocarbons											

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Sample Identification

TP-6 6' 011

SA89635-06

Client Project #

[none]

Matrix

Soil

Collection Date/Time

09-Jan-09 10:45

Received

09-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
TPH 8100 by GC											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	28.5	1	+SW846 8100Mod.	15-Jan-09	15-Jan-09	9010859	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	28.5	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	28.5	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	28.5	1	"	"	"	"	
M09600000	Motor Oil	BRL		mg/kg dry	28.5	1	"	"	"	"	
8032-32-4	Ligroin	BRL		mg/kg dry	28.5	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	28.5	1	"	"	"	"	
	Hydraulic Oil	BRL		mg/kg dry	28.5	1	"	"	"	"	
	Dielectric Fluid	BRL		mg/kg dry	28.5	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	28.5	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	28.5	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	28.5	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	1-Chlorooctadecane	99		40-140 %			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-97-6	Mercury	0.0396		mg/kg dry	0.0309	1	SW846 7471A	15-Jan-09	19-Jan-09	9010611	
Total Metals by EPA 200 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.51	1	EPA 200.7	15-Jan-09	20-Jan-09	9010607	
7440-38-2	Arsenic	3.90		mg/kg dry	1.51	1	"	"	"	"	
7440-41-7	Beryllium	BRL		mg/kg dry	0.503	1	"	"	"	"	
7440-43-9	Cadmium	BRL		mg/kg dry	0.503	1	"	"	"	"	
7440-47-3	Chromium	19.8		mg/kg dry	1.01	1	"	"	"	"	
7440-50-8	Copper	5.74		mg/kg dry	1.01	1	"	"	"	"	
7440-02-0	Nickel	7.01		mg/kg dry	1.01	1	"	"	"	"	
7439-92-1	Lead	10.7		mg/kg dry	1.51	1	"	"	"	"	
7440-38-0	Antimony	BRL		mg/kg dry	3.02	1	"	"	"	"	
7782-49-2	Selenium	BRL		mg/kg dry	1.51	1	"	"	"	"	
7440-28-0	Thallium	BRL		mg/kg dry	3.02	1	"	"	"	"	
7440-66-6	Zinc	15.8		mg/kg dry	1.01	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	90.4		%		1	SM2540 G Mod.	14-Jan-09	14-Jan-09	9010620	
Toxicity Characteristics											
	pH	7.26		pH Units		1	SW846 9045C	10-Jan-09 08:07	10-Jan-09 11:13	9010555	

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* Reportable Detection Limit

BRL = Below Reporting Limit

Sample Identification

TP-7 5' 012

SA89635-07

Client Project #

[none]

Matrix

Soil

Collection Date/Time

09-Jan-09 11:00

Received

09-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	09-Jan-09	09-Jan-09	9010545	
Volatile Organic Compounds											
Prepared by method SW846 5030 Soil (high level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	61.7	50	SW846 8260B	12-Jan-09	13-Jan-09	9010632	
67-64-1	Acetone	BRL		µg/kg dry	61.7	50	"	"	"	"	
107-13-1	Acrylonitrile	BRL		µg/kg dry	61.7	50	"	"	"	"	
71-43-2	Benzene	BRL		µg/kg dry	61.7	50	"	"	"	"	
108-88-1	Bromobenzene	BRL		µg/kg dry	61.7	50	"	"	"	"	
74-97-5	Bromochloromethane	BRL		µg/kg dry	61.7	50	"	"	"	"	
75-27-4	Bromodichloromethane	BRL		µg/kg dry	61.7	50	"	"	"	"	
75-25-2	Bromoform	BRL		µg/kg dry	61.7	50	"	"	"	"	
74-83-9	Bromomethane	BRL		µg/kg dry	123	50	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	61.7	50	"	"	"	"	
104-51-8	n-Butylbenzene	BRL		µg/kg dry	61.7	50	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	61.7	50	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	61.7	50	"	"	"	"	
75-15-0	Carbon disulfide	BRL		µg/kg dry	309	50	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	61.7	50	"	"	"	"	
108-90-7	Chlorobenzene	BRL		µg/kg dry	61.7	50	"	"	"	"	
75-00-3	Chloroethane	BRL		µg/kg dry	123	50	"	"	"	"	
67-66-3	Chloroform	BRL		µg/kg dry	61.7	50	"	"	"	"	
74-87-3	Chloromethane	BRL		µg/kg dry	123	50	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	61.7	50	"	"	"	"	
108-43-4	4-Chlorotoluene	BRL		µg/kg dry	61.7	50	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	123	50	"	"	"	"	
124-48-1	Dibromochloromethane	BRL		µg/kg dry	61.7	50	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	61.7	50	"	"	"	"	
74-95-3	Dibromomethane	BRL		µg/kg dry	61.7	50	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	61.7	50	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	61.7	50	"	"	"	"	
108-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	61.7	50	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon 12)	BRL		µg/kg dry	123	50	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	61.7	50	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	61.7	50	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	61.7	50	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	61.7	50	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	61.7	50	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	61.7	50	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	61.7	50	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	61.7	50	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	61.7	50	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	61.7	50	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	61.7	50	"	"	"	"	
100-41-4	Ethylbenzene	BRL		µg/kg dry	61.7	50	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	61.7	50	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	61.7	50	"	"	"	"	
98-82-8	Isopropylbenzene	BRL		µg/kg dry	61.7	50	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	61.7	50	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	61.7	50	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	61.7	50	"	"	"	"	
75-09-2	Methylene chloride	BRL		µg/kg dry	61.7	50	"	"	"	"	
91-20-3	Naphthalene	BRL		µg/kg dry	61.7	50	"	"	"	"	

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* Reportable Detection Limit

BRL = Below Reporting Limit

Sample Identification

TP-7 5' 012

SA89635-07

Client Project #

{none}

Matrix

Soil

Collection Date/Time

09-Jan-09 11:00

Received

09-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
<u>Volatile Organic Compounds</u>											
Prepared by method SW846 5030 Soil (high level)											
						Initial weight: 14.62 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	61.7	50	SW846 8260B	12-Jan-09	13-Jan-09	9010632	
100-42-5	Styrene	BRL		µg/kg dry	61.7	50	"	"	"	"	"
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	61.7	50	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	61.7	50	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL		µg/kg dry	61.7	50	"	"	"	"	"
108-88-3	Toluene	BRL		µg/kg dry	61.7	50	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	61.7	50	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	61.7	50	"	"	"	"	"
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	61.7	50	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	61.7	50	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	61.7	50	"	"	"	"	"
79-01-6	Trichloroethene	BRL		µg/kg dry	61.7	50	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	61.7	50	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	61.7	50	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	61.7	50	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	61.7	50	"	"	"	"	"
75-01-4	Vinyl chloride	BRL		µg/kg dry	61.7	50	"	"	"	"	"
179601-23-1	m,p-Xylene	BRL		µg/kg dry	123	50	"	"	"	"	"
95-47-6	o-Xylene	BRL		µg/kg dry	61.7	50	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	61.7	50	"	"	"	"	"
60-29-7	Ethyl ether	BRL		µg/kg dry	61.7	50	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	61.7	50	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	61.7	50	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	61.7	50	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	61.7	50	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL		µg/kg dry	1230	50	"	"	"	"	"
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	309	50	"	"	"	"	"
64-17-5	Ethanol	BRL		µg/kg dry	24700	50	"	"	"	"	"

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	109	70-130 %	"	"	"	"
2037-26-5	Toluene-d8	96	70-130 %	"	"	"	"
17060-07-0	1,2-Dichloroethane-d4	109	70-130 %	"	"	"	"
1868-53-7	Dibromofluoromethane	119	70-130 %	"	"	"	"

Semivolatile Organic Compounds by GCPolychlorinated Biphenyls by SW846 8082

Prepared by method SW846 3545A

12674-11-2	PCB 1016	BRL		µg/kg dry	21.7	1	SW846 8082	16-Jan-09	17-Jan-09	9010977	
11104-28-2	PCB 1221	BRL		µg/kg dry	21.7	1	"	"	"	"	"
11141-16-5	PCB 1232	BRL		µg/kg dry	21.7	1	"	"	"	"	"
53469-21-9	PCB 1242	BRL		µg/kg dry	21.7	1	"	"	"	"	"
12672-29-6	PCB 1248	BRL		µg/kg dry	21.7	1	"	"	"	"	"
11097-69-1	PCB 1254	BRL		µg/kg dry	21.7	1	"	"	"	"	"
11096-82-5	PCB 1260	BRL		µg/kg dry	21.7	1	"	"	"	"	"
37324-23-5	PCB 1262	BRL		µg/kg dry	21.7	1	"	"	"	"	"
11100-14-4	PCB 1268	BRL		µg/kg dry	21.7	1	"	"	"	"	"

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	104	30-150 %	"	"	"	"
2051-24-3	Decachlorobiphenyl (Sr)	106	30-150 %	"	"	"	"

Extractable Petroleum Hydrocarbons

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Sample Identification
TP-7 5' 012
SA89635-07

Client Project #
[none]

Matrix
Soil

Collection Date/Time
09-Jan-09 11:00

Received
09-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
TPH 8100 by GC											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	28.4	1	+SW846 8100Mod	15-Jan-09	15-Jan-09	9010859	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	28.4	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	28.4	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	28.4	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	28.4	1	"	"	"	"	
8032-32-4	Ligroin	BRL		mg/kg dry	28.4	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	28.4	1	"	"	"	"	
	Hydraulic Oil	BRL		mg/kg dry	28.4	1	"	"	"	"	
	Dielectric Fluid	BRL		mg/kg dry	28.4	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	28.4	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	28.4	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	28.4	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	1-Chlorooctadecane	103		40-140 %			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-97-6	Mercury	0.0843		mg/kg dry	0.0307	1	SW846 7471A	15-Jan-09	19-Jan-09	9010611	
Total Metals by EPA 200 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.47	1	EPA 200.7	15-Jan-09	20-Jan-09	9010607	
7440-38-2	Arsenic	5.66		mg/kg dry	1.47	1	"	"	"	"	
7440-41-7	Beryllium	BRL		mg/kg dry	0.490	1	"	"	"	"	
7440-43-9	Cadmium	BRL		mg/kg dry	0.490	1	"	"	"	"	
7440-47-3	Chromium	30.6		mg/kg dry	0.979	1	"	"	"	"	
7440-50-8	Copper	12.8		mg/kg dry	0.979	1	"	"	"	"	
7440-02-0	Nickel	8.50		mg/kg dry	0.979	1	"	"	"	"	
7439-92-1	Lead	19.7		mg/kg dry	1.47	1	"	"	"	"	
7440-36-0	Antimony	BRL		mg/kg dry	2.94	1	"	"	"	"	
7782-49-2	Selenium	BRL		mg/kg dry	1.47	1	"	"	"	"	
7440-28-0	Thallium	BRL		mg/kg dry	2.94	1	"	"	"	"	
7440-66-6	Zinc	28.2		mg/kg dry	0.979	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	90.7		%		1	SM2540 G Mod.	14-Jan-09	14-Jan-09	9010820	
Toxicity Characteristics											
	pH	4.69		pH Units		1	SW846 9045C	10-Jan-09 08:07	10-Jan-09 11:23	9010555	

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Sample Identification
TP-8 5' 013
SA89635-08

Client Project #
[none]

Matrix
Soil

Collection Date/Time
09-Jan-09 11:15

Received
09-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	09-Jan-09	09-Jan-09	9010545	
Volatile Organic Compounds											
Prepared by method SW846 5030 Soil (high level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (FreonBRL 113)			µg/kg dry	61.2	50	SW846 8280B	12-Jan-09	13-Jan-09	9010632	
67-64-1	Acetone	BRL		µg/kg dry	61.2	50	"	"	"	"	"
107-13-1	Acrylonitrile	BRL		µg/kg dry	61.2	50	"	"	"	"	"
71-43-2	Benzene	BRL		µg/kg dry	61.2	50	"	"	"	"	"
108-88-1	Bromobenzene	BRL		µg/kg dry	61.2	50	"	"	"	"	"
74-97-5	Bromochloromethane	BRL		µg/kg dry	61.2	50	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL		µg/kg dry	61.2	50	"	"	"	"	"
75-25-2	Bromoform	BRL		µg/kg dry	61.2	50	"	"	"	"	"
74-83-9	Bromomethane	BRL		µg/kg dry	122	50	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	61.2	50	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL		µg/kg dry	61.2	50	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	61.2	50	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	61.2	50	"	"	"	"	"
75-15-0	Carbon disulfide	BRL		µg/kg dry	306	50	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	61.2	50	"	"	"	"	"
108-90-7	Chlorobenzene	BRL		µg/kg dry	61.2	50	"	"	"	"	"
75-00-3	Chloroethane	BRL		µg/kg dry	122	50	"	"	"	"	"
67-66-3	Chloroform	BRL		µg/kg dry	61.2	50	"	"	"	"	"
74-87-3	Chloromethane	BRL		µg/kg dry	122	50	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	61.2	50	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	61.2	50	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	122	50	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL		µg/kg dry	61.2	50	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	61.2	50	"	"	"	"	"
74-95-3	Dibromomethane	BRL		µg/kg dry	61.2	50	"	"	"	"	"
96-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	61.2	50	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	61.2	50	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	61.2	50	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	122	50	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	61.2	50	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	61.2	50	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	61.2	50	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	61.2	50	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	61.2	50	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	61.2	50	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	61.2	50	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	61.2	50	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	61.2	50	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	61.2	50	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	61.2	50	"	"	"	"	"
100-41-4	Ethylbenzene	BRL		µg/kg dry	61.2	50	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	61.2	50	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	61.2	50	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL		µg/kg dry	61.2	50	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	61.2	50	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	61.2	50	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	61.2	50	"	"	"	"	"
75-09-2	Methylene chloride	BRL		µg/kg dry	61.2	50	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/kg dry	61.2	50	"	"	"	"	"

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* Reportable Detection Limit

BRL = Below Reporting Limit

Sample Identification

TP-8 5' 013

SA89635-08

Client Project #

[none]

Matrix

Soil

Collection Date/Time

09-Jan-09 11:15

Received

09-Jan-09

CAS No	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
<u>Volatile Organic Compounds</u>											
Prepared by method SW846 5030 Soil (high level)											
						Initial weight: 15 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	61.2	50	SW846 8260B	12-Jan-09	13-Jan-09	9010632	
100-42-5	Styrene	BRL		µg/kg dry	61.2	50	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	61.2	50	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	61.2	50	"	"	"	"	
127-18-4	Tetrachloroethene	BRL		µg/kg dry	61.2	50	"	"	"	"	
108-88-3	Toluene	BRL		µg/kg dry	61.2	50	"	"	"	"	
87-61-8	1,2,3-Trichlorobenzene	BRL		µg/kg dry	61.2	50	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	61.2	50	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	61.2	50	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	61.2	50	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	61.2	50	"	"	"	"	
79-01-6	Trichloroethene	BRL		µg/kg dry	61.2	50	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	61.2	50	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	61.2	50	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	61.2	50	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	61.2	50	"	"	"	"	
75-01-4	Vinyl chloride	BRL		µg/kg dry	61.2	50	"	"	"	"	
179601-23-1	m,p-Xylene	BRL		µg/kg dry	122	50	"	"	"	"	
95-47-6	o-Xylene	BRL		µg/kg dry	61.2	50	"	"	"	"	
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	61.2	50	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	61.2	50	"	"	"	"	
994-05-6	Tert-amyl methyl ether	BRL		µg/kg dry	61.2	50	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	61.2	50	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	61.2	50	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	61.2	50	"	"	"	"	
123-91-1	1,4-Dioxane	BRL		µg/kg dry	1220	50	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	306	50	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	24500	50	"	"	"	"	
<u>Surrogate recoveries:</u>											
460-00-4	4-Bromofluorobenzene	108		70-130 %			"	"	"	"	
2037-26-5	Toluene-d8	96		70-130 %			"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	113		70-130 %			"	"	"	"	
1868-53-7	Dibromofluoromethane	118		70-130 %			"	"	"	"	
Semivolatile Organic Compounds by GC											
<u>Polychlorinated Biphenyls by SW846 8082</u>											
Prepared by method SW846 3545A											
12674-11-2	PCB 1016	BRL		µg/kg dry	21.7	1	SW846 8082	16-Jan-09	17-Jan-09	9010977	
11104-28-2	PCB 1221	BRL		µg/kg dry	21.7	1	"	"	"	"	
11141-16-5	PCB 1232	BRL		µg/kg dry	21.7	1	"	"	"	"	
53469-21-9	PCB 1242	BRL		µg/kg dry	21.7	1	"	"	"	"	
12672-29-6	PCB 1248	BRL		µg/kg dry	21.7	1	"	"	"	"	
11097-69-1	PCB 1254	BRL		µg/kg dry	21.7	1	"	"	"	"	
11086-82-5	PCB 1260	BRL		µg/kg dry	21.7	1	"	"	"	"	
37324-23-5	PCB 1262	BRL		µg/kg dry	21.7	1	"	"	"	"	
11100-14-4	PCB 1268	BRL		µg/kg dry	21.7	1	"	"	"	"	
<u>Surrogate recoveries:</u>											
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	99		30-150 %			"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	98		30-150 %			"	"	"	"	
Extractable Petroleum Hydrocarbons											

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Sample Identification

TP-8 5' 013

SA89635-08

Client Project #

[none]

Matrix

Soil

Collection Date/Time

09-Jan-09 11:15

Received

09-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
TPH 8100 by GC											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	29.5	1	+SW846 8100Mod.	15-Jan-09	15-Jan-09	9010859	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	29.5	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	29.5	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	29.5	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	29.5	1	"	"	"	"	
8032-32-4	Ligroin	BRL		mg/kg dry	29.5	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	29.5	1	"	"	"	"	
	Hydraulic Oil	BRL		mg/kg dry	29.5	1	"	"	"	"	
	Dielectric Fluid	BRL		mg/kg dry	29.5	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	29.5	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	29.5	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	29.5	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	1-Chlorooctadecane	100		40-140 %			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-97-6	Mercury	0.0758		mg/kg dry	0.0325	1	SW846 7471A	15-Jan-09	19-Jan-09	9010611	
Total Metals by EPA 200 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.56	1	EPA 200.7	15-Jan-09	20-Jan-09	9010807	
7440-38-2	Arsenic	3.59		mg/kg dry	1.56	1	"	"	"	"	
7440-41-7	Beryllium	BRL		mg/kg dry	0.522	1	"	"	"	"	
7440-43-9	Cadmium	BRL		mg/kg dry	0.522	1	"	"	"	"	
7440-47-3	Chromium	30.8		mg/kg dry	1.04	1	"	"	"	"	
7440-50-8	Copper	7.51		mg/kg dry	1.04	1	"	"	"	"	
7440-02-0	Nickel	8.19		mg/kg dry	1.04	1	"	"	"	"	
7439-92-1	Lead	23.6		mg/kg dry	1.56	1	"	"	"	"	
7440-36-0	Antimony	BRL		mg/kg dry	3.13	1	"	"	"	"	
7782-49-2	Selenium	BRL		mg/kg dry	1.56	1	"	"	"	"	
7440-28-0	Thallium	BRL		mg/kg dry	3.13	1	"	"	"	"	
7440-66-6	Zinc	19.3		mg/kg dry	1.04	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	89.9		%		1	SM2540 G Mod	14-Jan-09	14-Jan-09	9010820	
Toxicity Characteristics											
	pH	4.92		pH Units		1	SW846 9045C	10-Jan-09 08:07	10-Jan-09 11:24	9010555	

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Sample Identification
TP-9 5' 014
SA89635-09

Client Project #
[none]

Matrix
Soil

Collection Date/Time
09-Jan-09 11:30

Received
09-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	09-Jan-09	09-Jan-09	9010545	
Volatile Organic Compounds											
Prepared by method SW846 5030 Soil (high level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	61.7	50	SW846 8260B	12-Jan-09	13-Jan-09	9010632	
67-64-1	Acetone	BRL		µg/kg dry	61.7	50	"	"	"	"	
107-13-1	Acrylonitrile	BRL		µg/kg dry	61.7	50	"	"	"	"	
71-43-2	Benzene	BRL		µg/kg dry	61.7	50	"	"	"	"	
106-96-1	Bromobenzene	BRL		µg/kg dry	61.7	50	"	"	"	"	
74-97-5	Bromochloromethane	BRL		µg/kg dry	61.7	50	"	"	"	"	
75-27-4	Bromodichloromethane	BRL		µg/kg dry	61.7	50	"	"	"	"	
75-25-2	Bromoform	BRL		µg/kg dry	61.7	50	"	"	"	"	
74-83-9	Bromomethane	BRL		µg/kg dry	123	50	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	61.7	50	"	"	"	"	
104-51-8	n-Butylbenzene	BRL		µg/kg dry	61.7	50	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	61.7	50	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	61.7	50	"	"	"	"	
75-15-0	Carbon disulfide	BRL		µg/kg dry	309	50	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	61.7	50	"	"	"	"	
108-90-7	Chlorobenzene	BRL		µg/kg dry	61.7	50	"	"	"	"	
75-00-3	Chloroethane	BRL		µg/kg dry	123	50	"	"	"	"	
67-66-3	Chloroform	BRL		µg/kg dry	61.7	50	"	"	"	"	
74-87-3	Chloromethane	BRL		µg/kg dry	123	50	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	61.7	50	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	61.7	50	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	123	50	"	"	"	"	
124-48-1	Dibromochloromethane	BRL		µg/kg dry	61.7	50	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	61.7	50	"	"	"	"	
74-95-3	Dibromomethane	BRL		µg/kg dry	61.7	50	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	61.7	50	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	61.7	50	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	61.7	50	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon 12)	BRL		µg/kg dry	123	50	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	61.7	50	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	61.7	50	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	61.7	50	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	61.7	50	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	61.7	50	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	61.7	50	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	61.7	50	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	61.7	50	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	61.7	50	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	61.7	50	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	61.7	50	"	"	"	"	
100-41-4	Ethylbenzene	BRL		µg/kg dry	61.7	50	"	"	"	"	
87-86-3	Hexachlorobutadiene	BRL		µg/kg dry	61.7	50	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	61.7	50	"	"	"	"	
98-82-8	Isopropylbenzene	BRL		µg/kg dry	61.7	50	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	61.7	50	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	61.7	50	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	61.7	50	"	"	"	"	
75-09-2	Methylene chloride	BRL		µg/kg dry	61.7	50	"	"	"	"	
91-20-3	Naphthalene	BRL		µg/kg dry	61.7	50	"	"	"	"	

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* Reportable Detection Limit

BRL = Below Reporting Limit

Sample Identification

TP-9 5' 014

SA89635-09

Client Project #

[none]

Matrix

Soil

Collection Date/Time

09-Jan-09 11:30

Received

09-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
<u>Volatile Organic Compounds</u>											
Prepared by method SW846 5030 Soil (high level)						Initial weight: 14.85 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	61.7	50	SW846 8260B	12-Jan-09	13-Jan-09	9010632	
100-42-5	Styrene	BRL		µg/kg dry	61.7	50	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	61.7	50	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	61.7	50	"	"	"	"	
127-18-4	Tetrachloroethene	BRL		µg/kg dry	61.7	50	"	"	"	"	
108-88-3	Toluene	BRL		µg/kg dry	61.7	50	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	61.7	50	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	61.7	50	"	"	"	"	
109-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	61.7	50	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	61.7	50	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	61.7	50	"	"	"	"	
79-01-6	Trichloroethene	BRL		µg/kg dry	61.7	50	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	61.7	50	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	61.7	50	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	61.7	50	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	61.7	50	"	"	"	"	
75-01-4	Vinyl chloride	BRL		µg/kg dry	61.7	50	"	"	"	"	
179601-23-1	m,p-Xylene	BRL		µg/kg dry	123	50	"	"	"	"	
95-47-6	o-Xylene	BRL		µg/kg dry	61.7	50	"	"	"	"	
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	61.7	50	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	61.7	50	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	61.7	50	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	61.7	50	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	61.7	50	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	61.7	50	"	"	"	"	
123-91-1	1,4-Dioxane	BRL		µg/kg dry	1230	50	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	309	50	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	24700	50	"	"	"	"	

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	108	70-130 %	"	"	"	"
2037-26-5	Toluene-d8	97	70-130 %	"	"	"	"
17060-07-0	1,2-Dichloroethane-d4	110	70-130 %	"	"	"	"
1888-53-7	Dibromofluoromethane	115	70-130 %	"	"	"	"

Semivolatile Organic Compounds by GCPolychlorinated Biphenyls by SW846 8082

Prepared by method SW846 3545A

12674-11-2	PCB 1016	BRL		µg/kg dry	21.7	1	SW846 8082	16-Jan-09	17-Jan-09	9010977	
11104-28-2	PCB 1221	BRL		µg/kg dry	21.7	1	"	"	"	"	
11141-16-5	PCB 1232	BRL		µg/kg dry	21.7	1	"	"	"	"	
53469-21-9	PCB 1242	BRL		µg/kg dry	21.7	1	"	"	"	"	
12672-29-6	PCB 1248	BRL		µg/kg dry	21.7	1	"	"	"	"	
11097-69-1	PCB 1254	BRL		µg/kg dry	21.7	1	"	"	"	"	
11096-82-5	PCB 1260	BRL		µg/kg dry	21.7	1	"	"	"	"	
37324-23-5	PCB 1262	BRL		µg/kg dry	21.7	1	"	"	"	"	
11100-14-4	PCB 1268	BRL		µg/kg dry	21.7	1	"	"	"	"	

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	104	30-150 %	"	"	"	"
2051-24-3	Decachlorobiphenyl (Sr)	103	30-150 %	"	"	"	"

Extractable Petroleum Hydrocarbons

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Sample Identification
TP-9 5' 014
 SA89635-09

Client Project #
 [none]

Matrix
 Soil

Collection Date/Time
 09-Jan-09 11:30

Received
 09-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
<u>TPH 8100 by GC</u>											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	28.5	1	+SW846 8100Mod.	15-Jan-09	15-Jan-09	9010859	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	28.5	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	28.5	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	28.5	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	28.5	1	"	"	"	"	
8032-32-4	Ligroin	BRL		mg/kg dry	28.5	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	28.5	1	"	"	"	"	
	Hydraulic Oil	BRL		mg/kg dry	28.5	1	"	"	"	"	
	Dielectric Fluid	BRL		mg/kg dry	28.5	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	28.5	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	28.5	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	28.5	1	"	"	"	"	
<u>Surrogate recoveries:</u>											
3386-33-2	1-Chlorooctadecane	98		40-140 %			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-97-6	Mercury	0.132		mg/kg dry	0.0287	1	SW846 7471A	15-Jan-09	19-Jan-09	9010611	
Total Metals by EPA 200 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.45	1	EPA 200.7	15-Jan-09	20-Jan-09	9010607	
7440-38-2	Arsenic	5.95		mg/kg dry	1.45	1	"	"	"	"	
7440-41-7	Beryllium	BRL		mg/kg dry	0.482	1	"	"	"	"	
7440-43-9	Cadmium	BRL		mg/kg dry	0.482	1	"	"	"	"	
7440-47-3	Chromium	41.3		mg/kg dry	0.964	1	"	"	"	"	
7440-50-8	Copper	11.8		mg/kg dry	0.964	1	"	"	"	"	
7440-02-0	Nickel	8.62		mg/kg dry	0.964	1	"	"	"	"	
7439-92-1	Lead	14.9		mg/kg dry	1.45	1	"	"	"	"	
7440-36-0	Antimony	BRL		mg/kg dry	2.89	1	"	"	"	"	
7782-49-2	Selenium	BRL		mg/kg dry	1.45	1	"	"	"	"	
7440-28-0	Thallium	BRL		mg/kg dry	2.89	1	"	"	"	"	
7440-66-6	Zinc	22.6		mg/kg dry	0.964	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	89.9		%		1	SM2540 G Mod	14-Jan-09	14-Jan-09	9010820	
Toxicity Characteristics											
	pH	5.14		pH Units		1	SW846 9045C	10-Jan-09 08:07	10-Jan-09 11:25	9010555	

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* Reportable Detection Limit

BRL = Below Reporting Limit

Sample Identification

TP-10 5' 015

SA89635-10

Client Project #

[none]

Matrix

Soil

Collection Date/Time

09-Jan-09 11:45

Received

09-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	09-Jan-09	09-Jan-09	9010545	
Volatile Organic Compounds											
Prepared by method SW846 5030 Soil (high level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	62.6	50	SW846 8260B	12-Jan-09	13-Jan-09	9010632	
67-64-1	Acetone	BRL		µg/kg dry	62.6	50	"	"	"	"	
107-13-1	Acrylonitrile	BRL		µg/kg dry	62.6	50	"	"	"	"	
71-43-2	Benzene	BRL		µg/kg dry	62.6	50	"	"	"	"	
108-96-1	Bromobenzene	BRL		µg/kg dry	62.6	50	"	"	"	"	
74-97-5	Bromochloromethane	BRL		µg/kg dry	62.6	50	"	"	"	"	
75-27-4	Bromodichloromethane	BRL		µg/kg dry	62.6	50	"	"	"	"	
75-25-2	Bromoform	BRL		µg/kg dry	62.6	50	"	"	"	"	
74-83-9	Bromomethane	BRL		µg/kg dry	125	50	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	62.6	50	"	"	"	"	
104-51-8	n-Butylbenzene	BRL		µg/kg dry	62.6	50	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	62.6	50	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	62.6	50	"	"	"	"	
75-15-0	Carbon disulfide	BRL		µg/kg dry	313	50	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	62.6	50	"	"	"	"	
108-90-7	Chlorobenzene	BRL		µg/kg dry	62.6	50	"	"	"	"	
75-00-3	Chloroethane	BRL		µg/kg dry	125	50	"	"	"	"	
67-66-3	Chloroform	BRL		µg/kg dry	62.6	50	"	"	"	"	
74-87-3	Chloromethane	BRL		µg/kg dry	125	50	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	62.6	50	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	62.6	50	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	125	50	"	"	"	"	
124-48-1	Dibromochloromethane	BRL		µg/kg dry	62.6	50	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	62.6	50	"	"	"	"	
74-95-3	Dibromomethane	BRL		µg/kg dry	62.6	50	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	62.6	50	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	62.6	50	"	"	"	"	
108-48-7	1,4-Dichlorobenzene	BRL		µg/kg dry	62.6	50	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon 12)	BRL		µg/kg dry	125	50	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	62.6	50	"	"	"	"	
107-08-2	1,2-Dichloroethane	BRL		µg/kg dry	62.6	50	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	62.6	50	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	62.6	50	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	62.6	50	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	62.6	50	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	62.6	50	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	62.6	50	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	62.6	50	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	62.6	50	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	62.6	50	"	"	"	"	
100-41-4	Ethylbenzene	BRL		µg/kg dry	62.6	50	"	"	"	"	
67-58-3	Hexachlorobutadiene	BRL		µg/kg dry	62.6	50	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	62.6	50	"	"	"	"	
96-82-8	Isopropylbenzene	BRL		µg/kg dry	62.6	50	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	62.6	50	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	62.6	50	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	62.6	50	"	"	"	"	
75-09-2	Methylene chloride	BRL		µg/kg dry	62.6	50	"	"	"	"	
91-20-3	Naphthalene	BRL		µg/kg dry	62.6	50	"	"	"	"	

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* Reportable Detection Limit

BRL = Below Reporting Limit

Sample Identification

TP-10 5' 015

SA89635-10

Client Project #

[none]

Matrix

Soil

Collection Date/Time

09-Jan-09 11:45

Received

09-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
<u>Volatile Organic Compounds</u>											
Prepared by method SW846 5030 Soil (high level)						Initial weight: 15.61 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	62.6	50	SW846 8260B	12-Jan-09	13-Jan-09	9010632	
100-42-5	Styrene	BRL		µg/kg dry	62.6	50	"	"	"	"	
530-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	62.6	50	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	62.6	50	"	"	"	"	
127-18-4	Tetrachloroethene	BRL		µg/kg dry	62.6	50	"	"	"	"	
108-88-3	Toluene	BRL		µg/kg dry	62.6	50	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	62.6	50	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	62.6	50	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	62.6	50	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	62.6	50	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	62.6	50	"	"	"	"	
79-01-6	Trichloroethene	BRL		µg/kg dry	62.6	50	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	62.6	50	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	62.6	50	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	62.6	50	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	62.6	50	"	"	"	"	
75-01-4	Vinyl chloride	BRL		µg/kg dry	62.6	50	"	"	"	"	
179601-23-1	m,p-Xylene	BRL		µg/kg dry	125	50	"	"	"	"	
95-47-6	o-Xylene	BRL		µg/kg dry	62.6	50	"	"	"	"	
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	626	50	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	62.6	50	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	62.6	50	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	62.6	50	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	62.6	50	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	626	50	"	"	"	"	
123-91-1	1,4-Dioxane	BRL		µg/kg dry	1250	50	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	313	50	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	25100	50	"	"	"	"	
<u>Surrogate recoveries:</u>											
460-00-4	4-Bromofluorobenzene	107		70-130 %			"	"	"	"	
2037-26-5	Toluene-d8	96		70-130 %			"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	109		70-130 %			"	"	"	"	
1868-53-7	Dibromofluoromethane	116		70-130 %			"	"	"	"	
Semivolatile Organic Compounds by GC											
<u>Polychlorinated Biphenyls by SW846 8082</u>											
Prepared by method SW846 3545A											
12674-11-2	PCB 1016	BRL		µg/kg dry	22.6	1	SW846 8082	16-Jan-09	17-Jan-09	9010977	
11104-29-2	PCB 1221	BRL		µg/kg dry	22.6	1	"	"	"	"	
11141-16-5	PCB 1232	BRL		µg/kg dry	22.6	1	"	"	"	"	
53469-21-9	PCB 1242	BRL		µg/kg dry	22.6	1	"	"	"	"	
12672-29-6	PCB 1248	BRL		µg/kg dry	22.6	1	"	"	"	"	
11097-69-1	PCB 1254	BRL		µg/kg dry	22.6	1	"	"	"	"	
11096-82-5	PCB 1260	BRL		µg/kg dry	22.6	1	"	"	"	"	
37324-23-5	PCB 1262	BRL		µg/kg dry	22.6	1	"	"	"	"	
11100-14-4	PCB 1268	BRL		µg/kg dry	22.6	1	"	"	"	"	
<u>Surrogate recoveries:</u>											
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	104		30-150 %			"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	99		30-150 %			"	"	"	"	
Extractable Petroleum Hydrocarbons											

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Sample Identification

TP-10 5' 015

SA89635-10

Client Project #

[none]

Matrix

Soil

Collection Date/Time

09-Jan-09 11:45

Received

09-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert
Extractable Petroleum Hydrocarbons											
<u>TPH 8100 by GC</u>											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	29.5	1	+SW846 8100Mod.	15-Jan-09	15-Jan-09	9010859	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	29.5	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	29.5	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	29.5	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	29.5	1	"	"	"	"	
8052-32-4	Ligroin	BRL		mg/kg dry	29.5	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	29.5	1	"	"	"	"	
	Hydraulic Oil	BRL		mg/kg dry	29.5	1	"	"	"	"	
	Dielectric Fluid	BRL		mg/kg dry	29.5	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	29.5	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	29.5	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	29.5	1	"	"	"	"	
<u>Surrogate recoveries.</u>											
3386-33-2	1-Chlorooctadecane	101		40-140 %			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-97-6	Mercury	0.159		mg/kg dry	0.0306	1	SW846 7471A	15-Jan-09	19-Jan-09	9010611	
Total Metals by EPA 200 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.57	1	EPA 200.7	15-Jan-09	20-Jan-09	9010607	
7440-38-2	Arsenic	3.52		mg/kg dry	1.57	1	"	"	"	"	
7440-41-7	Beryllium	BRL		mg/kg dry	0.522	1	"	"	"	"	
7440-43-9	Cadmium	BRL		mg/kg dry	0.522	1	"	"	"	"	
7440-47-3	Chromium	29.9		mg/kg dry	1.04	1	"	"	"	"	
7440-50-8	Copper	6.59		mg/kg dry	1.04	1	"	"	"	"	
7440-02-0	Nickel	6.66		mg/kg dry	1.04	1	"	"	"	"	
7439-92-1	Lead	28.0		mg/kg dry	1.57	1	"	"	"	"	
7440-36-0	Antimony	BRL		mg/kg dry	3.13	1	"	"	"	"	
7782-49-2	Selenium	BRL		mg/kg dry	1.57	1	"	"	"	"	
7440-28-0	Thallium	BRL		mg/kg dry	3.13	1	"	"	"	"	
7440-66-6	Zinc	15.7		mg/kg dry	1.04	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	87.0		%		1	SM2540 G Mod.	14-Jan-09	14-Jan-09	9010820	
Toxicity Characteristics											
	pH	5.13		pH Units		1	SW846 9045C	10-Jan-09 08:07	10-Jan-09 11:25	9010555	

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit

BRL = Below Reporting Limit

Sample Identification
TP-11 S' 016
SA89635-11

Client Project #
[none]

Matrix
Soil

Collection Date/Time
09-Jan-09 12:00

Received
09-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	09-Jan-09	09-Jan-09	9010545	
Volatile Organic Compounds											
Prepared by method SW846 5030 Soil (high level)						Initial weight: 13.77 g					
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon BRL 113)			µg/kg dry	70.0	50	SW846 8260B	13-Jan-09	13-Jan-09	9010695	
67-64-1	Acetone	BRL		µg/kg dry	700	50	"	"	"	"	
107-13-1	Acrylonitrile	BRL		µg/kg dry	70.0	50	"	"	"	"	
71-43-2	Benzene	BRL		µg/kg dry	70.0	50	"	"	"	"	
108-86-1	Bromobenzene	BRL		µg/kg dry	70.0	50	"	"	"	"	
74-97-5	Bromochloromethane	BRL		µg/kg dry	70.0	50	"	"	"	"	
75-27-4	Bromodichloromethane	BRL		µg/kg dry	70.0	50	"	"	"	"	
75-26-2	Bromoform	BRL		µg/kg dry	70.0	50	"	"	"	"	
74-83-9	Bromomethane	BRL		µg/kg dry	140	50	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	700	50	"	"	"	"	
104-51-8	n-Butylbenzene	BRL		µg/kg dry	70.0	50	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	70.0	50	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	70.0	50	"	"	"	"	
75-15-0	Carbon disulfide	BRL		µg/kg dry	350	50	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	70.0	50	"	"	"	"	
108-90-7	Chlorobenzene	BRL		µg/kg dry	70.0	50	"	"	"	"	
75-00-3	Chloroethane	BRL		µg/kg dry	140	50	"	"	"	"	
67-66-3	Chloroform	BRL		µg/kg dry	70.0	50	"	"	"	"	
74-87-3	Chloromethane	BRL		µg/kg dry	140	50	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	70.0	50	"	"	"	"	
108-43-4	4-Chlorotoluene	BRL		µg/kg dry	70.0	50	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	140	50	"	"	"	"	
124-48-1	Dibromochloromethane	BRL		µg/kg dry	70.0	50	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	70.0	50	"	"	"	"	
74-95-3	Dibromomethane	BRL		µg/kg dry	70.0	50	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	70.0	50	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	70.0	50	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	70.0	50	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	140	50	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	70.0	50	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	70.0	50	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	70.0	50	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	70.0	50	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	70.0	50	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	70.0	50	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	70.0	50	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	70.0	50	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	70.0	50	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	70.0	50	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	70.0	50	"	"	"	"	
100-41-4	Ethylbenzene	BRL		µg/kg dry	70.0	50	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	70.0	50	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	700	50	"	"	"	"	
96-82-8	Isopropylbenzene	BRL		µg/kg dry	70.0	50	"	"	"	"	
99-87-5	4-Isopropyltoluene	BRL		µg/kg dry	70.0	50	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	70.0	50	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	700	50	"	"	"	"	
75-09-2	Methylene chloride	BRL		µg/kg dry	700	50	"	"	"	"	
91-20-3	Naphthalene	BRL		µg/kg dry	70.0	50	"	"	"	"	

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* Reportable Detection Limit

BRL = Below Reporting Limit

Sample Identification

TP-11 5' 016

SA89635-11

Client Project #

[none]

Matrix

Soil

Collection Date/Time

09-Jan-09 12:00

Received

09-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
<u>Volatile Organic Compounds</u>											
Prepared by method SW846 5030 Soil (high level)						Initial weight: 13.77 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	70.0	50	SW846 8260B	13-Jan-09	13-Jan-09	9010695	
100-42-5	Styrene	BRL		µg/kg dry	70.0	50	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	70.0	50	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	70.0	50	"	"	"	"	
127-18-4	Tetrachloroethene	BRL		µg/kg dry	70.0	50	"	"	"	"	
108-88-3	Toluene	BRL		µg/kg dry	70.0	50	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	70.0	50	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	70.0	50	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	70.0	50	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	70.0	50	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	70.0	50	"	"	"	"	
79-01-6	Trichloroethene	BRL		µg/kg dry	70.0	50	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	70.0	50	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	70.0	50	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	70.0	50	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	70.0	50	"	"	"	"	
75-01-4	Vinyl chloride	BRL		µg/kg dry	70.0	50	"	"	"	"	
179601-23-1	m,p-Xylene	BRL		µg/kg dry	140	50	"	"	"	"	
95-47-6	o-Xylene	BRL		µg/kg dry	70.0	50	"	"	"	"	
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	700	50	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	70.0	50	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	70.0	50	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	70.0	50	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	70.0	50	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	700	50	"	"	"	"	
123-91-1	1,4-Dioxane	BRL		µg/kg dry	1400	50	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	350	50	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	28000	50	"	"	"	"	

Surrogate recoveries:

480-00-4	4-Bromofluorobenzene	106	70-130 %
2037-26-5	Toluene-d8	97	70-130 %
17060-07-0	1,2-Dichloroethane-d4	111	70-130 %
1868-53-7	Dibromofluoromethane	118	70-130 %

Semivolatile Organic Compounds by GCPolychlorinated Biphenyls by SW846 8082

Prepared by method SW846 3545A

12674-11-2	PCB 1016	BRL		µg/kg dry	21.8	1	SW846 8082	16-Jan-09	17-Jan-09	9010977	
11104-28-2	PCB 1221	BRL		µg/kg dry	21.8	1	"	"	"	"	
11141-16-5	PCB 1232	BRL		µg/kg dry	21.8	1	"	"	"	"	
53469-21-9	PCB 1242	BRL		µg/kg dry	21.8	1	"	"	"	"	
12672-29-6	PCB 1248	BRL		µg/kg dry	21.8	1	"	"	"	"	
11097-69-1	PCB 1254	BRL		µg/kg dry	21.8	1	"	"	"	"	
11096-82-5	PCB 1260	BRL		µg/kg dry	21.8	1	"	"	"	"	
37324-23-5	PCB 1262	BRL		µg/kg dry	21.8	1	"	"	"	"	
11100-14-4	PCB 1268	BRL		µg/kg dry	21.8	1	"	"	"	"	

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	105	30-150 %
2051-24-3	Decachlorobiphenyl (Sr)	92	30-150 %

Extractable Petroleum Hydrocarbons

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* Reportable Detection Limit

BRL = Below Reporting Limit

Sample Identification
TP-11 5' 016
SA89635-11

Client Project #
[none]

Matrix
Soil

Collection Date/Time
09-Jan-09 12:00

Received
09-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
TPH 8100 by GC											
Prepared by method SW846 3550B											
8006-61-9	Gasoline	BRL		mg/kg dry	30.2	1	+SW846 8100Mod	15-Jan-09	15-Jan-09	9010859	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	30.2	1	"	"	"	"	"
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	30.2	1	"	"	"	"	"
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	30.2	1	"	"	"	"	"
M09800000	Motor Oil	BRL		mg/kg dry	30.2	1	"	"	"	"	"
8032-32-4	Ligroin	BRL		mg/kg dry	30.2	1	"	"	"	"	"
J00100000	Aviation Fuel	BRL		mg/kg dry	30.2	1	"	"	"	"	"
	Hydraulic Oil	BRL		mg/kg dry	30.2	1	"	"	"	"	"
	Dielectric Fluid	BRL		mg/kg dry	30.2	1	"	"	"	"	"
	Unidentified	BRL		mg/kg dry	30.2	1	"	"	"	"	"
	Other Oil	BRL		mg/kg dry	30.2	1	"	"	"	"	"
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	30.2	1	"	"	"	"	"
Surrogate recoveries:											
3386-33-2	1-Chlorooctadecane	95		40-140 %			"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods											
7439-97-6	Mercury	0.667		mg/kg dry	0.0327	1	SW846 7471A	15-Jan-09	19-Jan-09	9010611	
Total Metals by EPA 200 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.49	1	EPA 200.7	15-Jan-09	20-Jan-09	9010607	
7440-38-2	Arsenic	10.2		mg/kg dry	1.49	1	"	"	"	"	"
7440-41-7	Beryllium	0.891		mg/kg dry	0.495	1	"	"	"	"	"
7440-43-9	Cadmium	BRL		mg/kg dry	0.495	1	"	"	"	"	"
7440-47-3	Chromium	29.8		mg/kg dry	0.990	1	"	"	"	"	"
7440-50-8	Copper	16.4		mg/kg dry	0.990	1	"	"	"	"	"
7440-02-0	Nickel	8.97		mg/kg dry	0.990	1	"	"	"	"	"
7439-92-1	Lead	51.0		mg/kg dry	1.49	1	"	"	"	"	"
7440-36-0	Antimony	BRL		mg/kg dry	2.97	1	"	"	"	"	"
7782-49-2	Selenium	BRL		mg/kg dry	1.49	1	"	"	"	"	"
7440-28-0	Thallium	BRL		mg/kg dry	2.97	1	"	"	"	"	"
7440-66-6	Zinc	37.1		mg/kg dry	0.990	1	"	"	"	"	"
General Chemistry Parameters											
	% Solids	87.1		%		1	SM2540 G Mod	14-Jan-09	14-Jan-09	9010820	
Toxicity Characteristics											
	pH	5.33		pH Units		1	SW846 9045C	10-Jan-09 08:07	10-Jan-09 11:28	9010555	

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* Reportable Detection Limit

BRL = Below Reporting Limit

Sample Identification

TP-12 5' 017

SA89635-12

Client Project

[none]

Matrix

Soil

Collection Date/Time

09-Jan-09 12:30

Received

09-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	09-Jan-09	09-Jan-09	9010545	
Volatile Organic Compounds											
Prepared by method SW846 5030 Soil (high level)											
Initial weight: 15 g											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	61.1	50	SW846 8260B	12-Jan-09	13-Jan-09	9010632	
67-64-1	Acetone	BRL		µg/kg dry	61.1	50	"	"	"	"	
107-13-1	Acrylonitrile	BRL		µg/kg dry	61.1	50	"	"	"	"	
71-43-2	Benzene	BRL		µg/kg dry	61.1	50	"	"	"	"	
108-88-1	Bromobenzene	BRL		µg/kg dry	61.1	50	"	"	"	"	
74-87-5	Bromochloromethane	BRL		µg/kg dry	61.1	50	"	"	"	"	
75-27-4	Bromodichloromethane	BRL		µg/kg dry	61.1	50	"	"	"	"	
75-25-2	Bromoform	BRL		µg/kg dry	61.1	50	"	"	"	"	
74-83-9	Bromomethane	BRL		µg/kg dry	122	50	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	61.1	50	"	"	"	"	
104-51-8	n-Butylbenzene	BRL		µg/kg dry	61.1	50	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	61.1	50	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	61.1	50	"	"	"	"	
75-15-0	Carbon disulfide	BRL		µg/kg dry	306	50	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	61.1	50	"	"	"	"	
108-90-7	Chlorobenzene	BRL		µg/kg dry	61.1	50	"	"	"	"	
75-00-3	Chloroethane	BRL		µg/kg dry	122	50	"	"	"	"	
67-66-3	Chloroform	BRL		µg/kg dry	61.1	50	"	"	"	"	
74-87-3	Chloromethane	BRL		µg/kg dry	122	50	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	61.1	50	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	61.1	50	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	122	50	"	"	"	"	
124-48-1	Dibromochloromethane	BRL		µg/kg dry	61.1	50	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	61.1	50	"	"	"	"	
74-95-3	Dibromomethane	BRL		µg/kg dry	61.1	50	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	61.1	50	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	61.1	50	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	61.1	50	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon 12)	BRL		µg/kg dry	122	50	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	61.1	50	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	61.1	50	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	61.1	50	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	61.1	50	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	61.1	50	"	"	"	"	
78-67-5	1,2-Dichloropropane	BRL		µg/kg dry	61.1	50	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	61.1	50	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	61.1	50	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	61.1	50	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	61.1	50	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	61.1	50	"	"	"	"	
100-41-4	Ethylbenzene	BRL		µg/kg dry	61.1	50	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	61.1	50	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	61.1	50	"	"	"	"	
98-82-8	Isopropylbenzene	BRL		µg/kg dry	61.1	50	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	61.1	50	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	61.1	50	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	61.1	50	"	"	"	"	
75-09-2	Methylene chloride	BRL		µg/kg dry	61.1	50	"	"	"	"	
91-20-3	Naphthalene	BRL		µg/kg dry	61.1	50	"	"	"	"	

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Sample Identification

TP-12 5' 017

SA89635-12

Client Project #

[none]

Matrix

Soil

Collection Date/Time

09-Jan-09 12:30

Received

09-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
<u>Volatile Organic Compounds</u>											
Prepared by method SW846 5030 Soil (high level)						Initial weight: 15 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	61.1	50	SW846 8260B	12-Jan-09	13-Jan-09	9010632	
100-42-5	Styrene	BRL		µg/kg dry	61.1	50	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	61.1	50	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	61.1	50	"	"	"	"	
127-18-4	Tetrachloroethene	BRL		µg/kg dry	61.1	50	"	"	"	"	
108-88-3	Toluene	BRL		µg/kg dry	61.1	50	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	61.1	50	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	61.1	50	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	61.1	50	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	61.1	50	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	61.1	50	"	"	"	"	
79-01-8	Trichloroethene	BRL		µg/kg dry	61.1	50	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	61.1	50	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	61.1	50	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	61.1	50	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	61.1	50	"	"	"	"	
75-01-4	Vinyl chloride	BRL		µg/kg dry	61.1	50	"	"	"	"	
179601-23-1	m,p-Xylene	BRL		µg/kg dry	122	50	"	"	"	"	
95-47-6	o-Xylene	BRL		µg/kg dry	61.1	50	"	"	"	"	
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	61.1	50	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	61.1	50	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	61.1	50	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	61.1	50	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	61.1	50	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	61.1	50	"	"	"	"	
123-91-1	1,4-Dioxane	BRL		µg/kg dry	1220	50	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	306	50	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	24500	50	"	"	"	"	

Surrogate recoveries:

480-00-4	4-Bromofluorobenzene	106	70-130 %	"	"	"	"
2037-26-5	Toluene-d8	97	70-130 %	"	"	"	"
17060-07-0	1,2-Dichloroethane-d4	109	70-130 %	"	"	"	"
1888-53-7	Dibromofluoromethane	118	70-130 %	"	"	"	"

Semivolatile Organic Compounds by GCPolychlorinated Biphenyls by SW846 8082

Prepared by method SW846 3545A

12674-11-2	PCB 1016	BRL		µg/kg dry	20.9	1	SW846 8082	16-Jan-09	17-Jan-09	9010977	
11104-28-2	PCB 1221	BRL		µg/kg dry	20.9	1	"	"	"	"	
11141-16-5	PCB 1232	BRL		µg/kg dry	20.9	1	"	"	"	"	
53469-21-9	PCB 1242	BRL		µg/kg dry	20.9	1	"	"	"	"	
12672-29-6	PCB 1248	BRL		µg/kg dry	20.9	1	"	"	"	"	
11097-69-1	PCB 1254	BRL		µg/kg dry	20.9	1	"	"	"	"	
11096-82-5	PCB 1260	BRL		µg/kg dry	20.9	1	"	"	"	"	
37324-23-5	PCB 1262	BRL		µg/kg dry	20.9	1	"	"	"	"	
11100-14-4	PCB 1268	BRL		µg/kg dry	20.9	1	"	"	"	"	

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	107	30-150 %	"	"	"	"
2051-24-3	Decachlorobiphenyl (Sr)	102	30-150 %	"	"	"	"

Extractable Petroleum Hydrocarbons

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Sample Identification
TP-12 5' 017
SA89635-12

Client Project #
[none]

Matrix
Soil

Collection Date/Time
09-Jan-09 12:30

Received
09-Jan-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
TPH 8100 by GC											
Prepared by method SW846 3550B											
8008-81-9	Gasoline	BRL		mg/kg dry	29.2	1	+SW846 8100Mod.	15-Jan-09	15-Jan-09	9010859	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	29.2	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	29.2	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	29.2	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	29.2	1	"	"	"	"	
8032-32-4	Ligroin	BRL		mg/kg dry	29.2	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	29.2	1	"	"	"	"	
	Hydraulic Oil	BRL		mg/kg dry	29.2	1	"	"	"	"	
	Dielectric Fluid	BRL		mg/kg dry	29.2	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	29.2	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	29.2	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	29.2	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	1-Chlorooctadecane	96		40-140 %			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-97-6	Mercury	0.171		mg/kg dry	0.0303	1	SW846 7471A	15-Jan-09	19-Jan-09	9010811	
Total Metals by EPA 200 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.62	1	EPA 200.7	15-Jan-09	20-Jan-09	9010807	
7440-38-2	Arsenic	4.57		mg/kg dry	1.62	1	"	"	"	"	
7440-41-7	Beryllium	BRL		mg/kg dry	0.539	1	"	"	"	"	
7440-43-9	Cadmium	BRL		mg/kg dry	0.539	1	"	"	"	"	
7440-47-3	Chromium	42.7		mg/kg dry	1.08	1	"	"	"	"	
7440-50-8	Copper	10.3		mg/kg dry	1.08	1	"	"	"	"	
7440-02-0	Nickel	5.60		mg/kg dry	1.08	1	"	"	"	"	
7439-92-1	Lead	35.8		mg/kg dry	1.62	1	"	"	"	"	
7440-36-0	Antimony	BRL		mg/kg dry	3.23	1	"	"	"	"	
7782-49-2	Selenium	BRL		mg/kg dry	1.62	1	"	"	"	"	
7440-28-0	Thallium	BRL		mg/kg dry	3.23	1	"	"	"	"	
7440-66-6	Zinc	23.9		mg/kg dry	1.08	1	"	"	"	"	
General Chemistry Parameters											
	% Solids	90.0		%		1	SM2540 G Mod	14-Jan-09	14-Jan-09	9010820	
Toxicity Characteristics											
	pH	5.74		pH Units		1	SW846 9045C	10-Jan-09 08:07	10-Jan-09 11:27	9010555	

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC Limits	RPD	RPD Limit
Batch 9010632 - SW846 5030 Soil (high level)									
Blank (9010632-BLK1)									
Prepared & Analyzed: 12-Jan-09									
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	1.0					
Acetone	BRL		µg/kg wet	10.0					
Acrylonitrile	BRL		µg/kg wet	1.0					
Benzene	BRL		µg/kg wet	1.0					
Bromobenzene	BRL		µg/kg wet	1.0					
Bromochloromethane	BRL		µg/kg wet	1.0					
Bromodichloromethane	BRL		µg/kg wet	1.0					
Bromoform	BRL		µg/kg wet	1.0					
Bromomethane	BRL		µg/kg wet	2.0					
2-Butanone (MEK)	BRL		µg/kg wet	10.0					
n-Butylbenzene	BRL		µg/kg wet	1.0					
sec-Butylbenzene	BRL		µg/kg wet	1.0					
tert-Butylbenzene	BRL		µg/kg wet	1.0					
Carbon disulfide	BRL		µg/kg wet	5.0					
Carbon tetrachloride	BRL		µg/kg wet	1.0					
Chlorobenzene	BRL		µg/kg wet	1.0					
Chloroethane	BRL		µg/kg wet	2.0					
Chloroform	BRL		µg/kg wet	1.0					
Chloromethane	BRL		µg/kg wet	2.0					
2-Chlorotoluene	BRL		µg/kg wet	1.0					
4-Chlorotoluene	BRL		µg/kg wet	1.0					
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	2.0					
Dibromochloromethane	BRL		µg/kg wet	1.0					
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	1.0					
Dibromomethane	BRL		µg/kg wet	1.0					
1,2-Dichlorobenzene	BRL		µg/kg wet	1.0					
1,3-Dichlorobenzene	BRL		µg/kg wet	1.0					
1,4-Dichlorobenzene	BRL		µg/kg wet	1.0					
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	2.0					
1,1-Dichloroethane	BRL		µg/kg wet	1.0					
1,2-Dichloroethane	BRL		µg/kg wet	1.0					
1,1-Dichloroethene	BRL		µg/kg wet	1.0					
cis-1,2-Dichloroethene	BRL		µg/kg wet	1.0					
trans-1,2-Dichloroethene	BRL		µg/kg wet	1.0					
1,2-Dichloropropane	BRL		µg/kg wet	1.0					
1,3-Dichloropropane	BRL		µg/kg wet	1.0					
2,2-Dichloropropane	BRL		µg/kg wet	1.0					
1,1-Dichloropropene	BRL		µg/kg wet	1.0					
cis-1,3-Dichloropropene	BRL		µg/kg wet	1.0					
trans-1,3-Dichloropropene	BRL		µg/kg wet	1.0					
Ethylbenzene	BRL		µg/kg wet	1.0					
Hexachlorobutadiene	BRL		µg/kg wet	1.0					
2-Hexanone (MBK)	BRL		µg/kg wet	10.0					
Isopropylbenzene	BRL		µg/kg wet	1.0					
4-Isopropyltoluene	BRL		µg/kg wet	1.0					
Methyl tert-butyl ether	BRL		µg/kg wet	1.0					
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	10.0					
Methylene chloride	BRL		µg/kg wet	10.0					
Naphthalene	3.0	B05	µg/kg wet	1.0					

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* Reportable Detection Limit

BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010632 - SW846 5030 Soil (high level)										
Blank (9010632-BLK1)										
Prepared & Analyzed: 12-Jan-09										
n-Propylbenzene	BRL		µg/kg wet	1.0						
Styrene	BRL		µg/kg wet	1.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	1.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	1.0						
Tetrachloroethene	BRL		µg/kg wet	1.0						
Toluene	BRL		µg/kg wet	1.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	1.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	1.0						
Trichloroethene	BRL		µg/kg wet	1.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	1.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	1.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	1.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	1.0						
Vinyl chloride	BRL		µg/kg wet	1.0						
m,p-Xylene	BRL		µg/kg wet	2.0						
o-Xylene	BRL		µg/kg wet	1.0						
Tetrahydrofuran	BRL		µg/kg wet	10.0						
Ethyl ether	BRL		µg/kg wet	1.0						
Tert-amyl methyl ether	BRL		µg/kg wet	1.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	1.0						
Di-isopropyl ether	BRL		µg/kg wet	1.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	10.0						
1,4-Dioxane	BRL		µg/kg wet	20.0						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	5.0						
Ethanol	BRL		µg/kg wet	400						
Surrogate: 4-Bromofluorobenzene	30.8		µg/kg wet		30.0		103	70-130		
Surrogate: Toluene-d8	29.1		µg/kg wet		30.0		97	70-130		
Surrogate: 1,2-Dichloroethane-d4	32.2		µg/kg wet		30.0		107	70-130		
Surrogate: Dibromofluoromethane	36.2		µg/kg wet		30.0		121	70-130		
LCS (9010632-BS1)										
Prepared & Analyzed: 12-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	18.2		µg/kg wet		20.0		91	70-130		
Acetone	20.4		µg/kg wet		20.0		102	7.9-168		
Acrylonitrile	20.5		µg/kg wet		20.0		102	70-130		
Benzene	20.8		µg/kg wet		20.0		104	70-130		
Bromobenzene	23.8		µg/kg wet		20.0		119	70-130		
Bromochloromethane	27.1	QC2	µg/kg wet		20.0		136	70-130		
Bromodichloromethane	20.0		µg/kg wet		20.0		100	70-130		
Bromoform	19.1		µg/kg wet		20.0		96	70-130		
Bromomethane	18.2		µg/kg wet		20.0		91	50-134		
2-Butanone (MEK)	21.0		µg/kg wet		20.0		105	44.6-130		
n-Butylbenzene	18.5		µg/kg wet		20.0		93	70-130		
sec-Butylbenzene	20.8		µg/kg wet		20.0		104	70-130		
tert-Butylbenzene	22.1		µg/kg wet		20.0		111	70-130		
Carbon disulfide	16.7		µg/kg wet		20.0		84	70-130		
Carbon tetrachloride	20.0		µg/kg wet		20.0		100	70-130		
Chlorobenzene	21.1		µg/kg wet		20.0		105	70-130		

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* Reportable Detection Limit

BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010632 - SW846 5030 Soil (high level)										
LCS (9010632-B51)										
Prepared & Analyzed: 12-Jan-09										
Chloroethane	17.3		µg/kg wet		20.0		87	59.2-130		
Chloroform	23.2		µg/kg wet		20.0		116	70-130		
Chloromethane	15.6		µg/kg wet		20.0		78	70-130		
2-Chlorotoluene	19.4		µg/kg wet		20.0		97	70-130		
4-Chlorotoluene	20.4		µg/kg wet		20.0		102	70-130		
1,2-Dibromo-3-chloropropane	19.5		µg/kg wet		20.0		97	70-130		
Dibromochloromethane	19.3		µg/kg wet		20.0		97	63.8-130		
1,2-Dibromoethane (EDB)	24.1		µg/kg wet		20.0		120	70-130		
Dibromomethane	23.3		µg/kg wet		20.0		116	70-130		
1,2-Dichlorobenzene	20.6		µg/kg wet		20.0		103	70-130		
1,3-Dichlorobenzene	21.6		µg/kg wet		20.0		108	70-130		
1,4-Dichlorobenzene	19.8		µg/kg wet		20.0		99	70-130		
Dichlorodifluoromethane (Freon 12)	12.7		µg/kg wet		20.0		64	41.8-130		
1,1-Dichloroethane	17.4		µg/kg wet		20.0		87	70-130		
1,2-Dichloroethane	19.4		µg/kg wet		20.0		97	70-130		
1,1-Dichloroethene	18.7		µg/kg wet		20.0		94	70-130		
cis-1,2-Dichloroethene	19.2		µg/kg wet		20.0		96	70-130		
trans-1,2-Dichloroethene	19.4		µg/kg wet		20.0		97	70-130		
1,2-Dichloropropane	21.4		µg/kg wet		20.0		107	70-130		
1,3-Dichloropropane	20.4		µg/kg wet		20.0		102	70-130		
2,2-Dichloropropane	20.0		µg/kg wet		20.0		100	70-130		
1,1-Dichloropropene	21.2		µg/kg wet		20.0		106	70-130		
cis-1,3-Dichloropropene	22.3		µg/kg wet		20.0		111	70-130		
trans-1,3-Dichloropropene	18.4		µg/kg wet		20.0		92	70-130		
Ethylbenzene	20.6		µg/kg wet		20.0		103	70-130		
Hexachlorobutadiene	23.4		µg/kg wet		20.0		117	68.3-130		
2-Hexanone (MBK)	20.1		µg/kg wet		20.0		101	70-130		
Isopropylbenzene	20.4		µg/kg wet		20.0		102	70-130		
4-Isopropyltoluene	19.5		µg/kg wet		20.0		98	70-130		
Methyl tert-butyl ether	18.0		µg/kg wet		20.0		90	70-130		
4-Methyl-2-pentanone (MIBK)	20.1		µg/kg wet		20.0		101	53.1-132		
Methylene chloride	19.7		µg/kg wet		20.0		98	70-130		
Naphthalene	19.7		µg/kg wet		20.0		99	70-130		
n-Propylbenzene	20.4		µg/kg wet		20.0		102	70-130		
Styrene	22.1		µg/kg wet		20.0		110	70-130		
1,1,1,2-Tetrachloroethane	21.4		µg/kg wet		20.0		107	70-130		
1,1,2,2-Tetrachloroethane	23.1		µg/kg wet		20.0		115	70-130		
Tetrachloroethene	24.5		µg/kg wet		20.0		122	70-130		
Toluene	20.4		µg/kg wet		20.0		102	70-130		
1,2,3-Trichlorobenzene	21.8		µg/kg wet		20.0		109	70-130		
1,2,4-Trichlorobenzene	21.4		µg/kg wet		20.0		107	70-130		
1,3,5-Trichlorobenzene	21.0		µg/kg wet		20.0		105	70-130		
1,1,1-Trichloroethane	22.9		µg/kg wet		20.0		114	70-130		
1,1,2-Trichloroethane	23.7		µg/kg wet		20.0		118	70-130		
Trichloroethene	23.1		µg/kg wet		20.0		116	70-130		
Trichlorofluoromethane (Freon 11)	17.0		µg/kg wet		20.0		85	68.2-130		
1,2,3-Trichloropropane	22.0		µg/kg wet		20.0		110	70-130		
1,2,4-Trimethylbenzene	21.2		µg/kg wet		20.0		106	70-130		
1,3,5-Trimethylbenzene	21.4		µg/kg wet		20.0		107	70-130		

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* Reportable Detection Limit

BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010632 - SW846 5030 Soil (high level)										
<u>LCS (9010632-B51)</u>										
Prepared & Analyzed: 12-Jan-09										
Vinyl chloride	17.3		µg/kg wet		20.0		86	70-130		
m,p-Xylene	42.2		µg/kg wet		40.0		106	70-130		
o-Xylene	22.4		µg/kg wet		20.0		112	70-130		
Tetrahydrofuran	23.5		µg/kg wet		20.0		117	70-130		
Ethyl ether	18.0		µg/kg wet		20.0		90	70-130		
Tert-amyl methyl ether	19.3		µg/kg wet		20.0		97	70-130		
Ethyl tert-butyl ether	20.1		µg/kg wet		20.0		100	70-130		
Di-isopropyl ether	16.2		µg/kg wet		20.0		81	70-130		
Tert-Butanol / butyl alcohol	189		µg/kg wet		200		95	70-130		
1,4-Dioxane	263	QC1	µg/kg wet		200		131	48.7-130		
trans-1,4-Dichloro-2-butene	18.2		µg/kg wet		20.0		91	70-130		
Ethanol	293		µg/kg wet		400		73	70-130		
Surrogate: 4-Bromofluorobenzene	30.9		µg/kg wet		30.0		103	70-130		
Surrogate: Toluene-d8	29.4		µg/kg wet		30.0		98	70-130		
Surrogate: 1,2-Dichloroethane-d4	30.8		µg/kg wet		30.0		103	70-130		
Surrogate: Dibromofluoromethane	36.2		µg/kg wet		30.0		120	70-130		
<u>LCS Dup (9010632-BSD1)</u>										
Prepared & Analyzed: 12-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	17.5		µg/kg wet		20.0		87	70-130	4	25
Acetone	19.2		µg/kg wet		20.0		96	7.9-168	6	50
Acrylonitrile	19.6		µg/kg wet		20.0		98	70-130	4	25
Benzene	19.9		µg/kg wet		20.0		99	70-130	4	25
Bromobenzene	24.1		µg/kg wet		20.0		120	70-130	1	25
Bromochloromethane	26.1	QC2	µg/kg wet		20.0		131	70-130	4	25
Bromodichloromethane	20.0		µg/kg wet		20.0		100	70-130	0.1	25
Bromoform	19.0		µg/kg wet		20.0		95	70-130	0.4	25
Bromomethane	17.4		µg/kg wet		20.0		87	50-134	5	50
2-Butanone (MEK)	19.1		µg/kg wet		20.0		96	44.6-130	9	50
n-Butylbenzene	17.6		µg/kg wet		20.0		88	70-130	5	25
sec-Butylbenzene	20.4		µg/kg wet		20.0		102	70-130	2	25
tert-Butylbenzene	21.7		µg/kg wet		20.0		108	70-130	2	25
Carbon disulfide	16.0		µg/kg wet		20.0		80	70-130	4	25
Carbon tetrachloride	19.9		µg/kg wet		20.0		99	70-130	0.9	25
Chlorobenzene	21.2		µg/kg wet		20.0		106	70-130	0.6	25
Chloroethane	16.3		µg/kg wet		20.0		81	59.2-130	6	50
Chloroform	22.2		µg/kg wet		20.0		111	70-130	4	25
Chloromethane	14.4		µg/kg wet		20.0		72	70-130	8	25
2-Chlorotoluene	19.1		µg/kg wet		20.0		96	70-130	2	25
4-Chlorotoluene	19.9		µg/kg wet		20.0		100	70-130	2	25
1,2-Dibromo-3-chloropropane	20.0		µg/kg wet		20.0		100	70-130	3	25
Dibromochloromethane	19.5		µg/kg wet		20.0		97	63.8-130	0.7	50
1,2-Dibromoethane (EDB)	23.5		µg/kg wet		20.0		117	70-130	3	25
Dibromomethane	22.5		µg/kg wet		20.0		113	70-130	3	25
1,2-Dichlorobenzene	20.6		µg/kg wet		20.0		103	70-130	0.1	25
1,3-Dichlorobenzene	21.2		µg/kg wet		20.0		106	70-130	1	25
1,4-Dichlorobenzene	19.4		µg/kg wet		20.0		97	70-130	2	25
Dichlorodifluoromethane (Freon12)	12.0		µg/kg wet		20.0		60	41.8-130	6	50
1,1-Dichloroethane	16.4		µg/kg wet		20.0		82	70-130	6	25
1,2-Dichloroethane	18.9		µg/kg wet		20.0		95	70-130	2	25
1,1-Dichloroethene	17.5		µg/kg wet		20.0		88	70-130	7	25

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* Reportable Detection Limit

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010632 - SW846 5030 Soil (high level)										
<u>LCS Dup (9010632-BSD1)</u>										
Prepared & Analyzed: 12-Jan-09										
cis-1,2-Dichloroethene	18.8		µg/kg wet		20.0		94	70-130	2	25
trans-1,2-Dichloroethene	18.8		µg/kg wet		20.0		94	70-130	3	25
1,2-Dichloropropane	19.9		µg/kg wet		20.0		99	70-130	8	25
1,3-Dichloropropane	20.0		µg/kg wet		20.0		100	70-130	2	25
2,2-Dichloropropane	19.4		µg/kg wet		20.0		97	70-130	3	25
1,1-Dichloropropene	20.1		µg/kg wet		20.0		101	70-130	5	25
cis-1,3-Dichloropropene	22.3		µg/kg wet		20.0		112	70-130	0.3	25
trans-1,3-Dichloropropene	18.2		µg/kg wet		20.0		91	70-130	1	25
Ethylbenzene	20.1		µg/kg wet		20.0		101	70-130	2	25
Hexachlorobutadiene	23.7		µg/kg wet		20.0		119	68.3-130	1	50
2-Hexanone (MBK)	19.7		µg/kg wet		20.0		98	70-130	2	25
Isopropylbenzene	20.0		µg/kg wet		20.0		100	70-130	2	25
4-Isopropyltoluene	19.0		µg/kg wet		20.0		95	70-130	2	25
Methyl tert-butyl ether	17.4		µg/kg wet		20.0		87	70-130	3	25
4-Methyl-2-pentanone (MIBK)	18.9		µg/kg wet		20.0		94	53.1-132	6	50
Methylene chloride	19.3		µg/kg wet		20.0		96	70-130	2	25
Naphthalene	19.4		µg/kg wet		20.0		97	70-130	2	25
n-Propylbenzene	19.8		µg/kg wet		20.0		99	70-130	3	25
Styrene	21.5		µg/kg wet		20.0		107	70-130	3	25
1,1,1,2-Tetrachloroethane	21.8		µg/kg wet		20.0		109	70-130	2	25
1,1,2,2-Tetrachloroethane	22.9		µg/kg wet		20.0		114	70-130	0.7	25
Tetrachloroethene	22.9		µg/kg wet		20.0		114	70-130	7	25
Toluene	19.5		µg/kg wet		20.0		98	70-130	4	25
1,2,3-Trichlorobenzene	22.2		µg/kg wet		20.0		111	70-130	2	25
1,2,4-Trichlorobenzene	21.3		µg/kg wet		20.0		106	70-130	0.6	25
1,3,5-Trichlorobenzene	20.6		µg/kg wet		20.0		103	70-130	2	25
1,1,1-Trichloroethane	22.2		µg/kg wet		20.0		111	70-130	3	25
1,1,2-Trichloroethane	22.8		µg/kg wet		20.0		114	70-130	4	25
Trichloroethene	22.2		µg/kg wet		20.0		111	70-130	4	25
Trichlorofluoromethane (Freon 11)	16.5		µg/kg wet		20.0		82	68.2-130	3	50
1,2,3-Trichloropropane	21.7		µg/kg wet		20.0		108	70-130	1	25
1,2,4-Trimethylbenzene	20.9		µg/kg wet		20.0		104	70-130	1	25
1,3,5-Trimethylbenzene	20.8		µg/kg wet		20.0		104	70-130	3	25
Vinyl chloride	16.3		µg/kg wet		20.0		81	70-130	6	25
m,p-Xylene	41.6		µg/kg wet		40.0		104	70-130	2	25
o-Xylene	22.3		µg/kg wet		20.0		111	70-130	0.5	25
Tetrahydrofuran	21.9		µg/kg wet		20.0		110	70-130	7	25
Ethyl ether	18.2		µg/kg wet		20.0		91	70-130	1	50
Tert-amyl methyl ether	18.5		µg/kg wet		20.0		92	70-130	5	25
Ethyl tert-butyl ether	19.7		µg/kg wet		20.0		98	70-130	2	25
Di-isopropyl ether	15.5		µg/kg wet		20.0		78	70-130	4	25
Tert-Butanol / butyl alcohol	184		µg/kg wet		200		92	70-130	3	25
1,4-Dioxane	251		µg/kg wet		200		126	48.7-130	5	25
trans-1,4-Dichloro-2-butene	18.6		µg/kg wet		20.0		93	70-130	2	25
Ethanol	293		µg/kg wet		400		73	70-130	0.2	30
Surrogate: 4-Bromofluorobenzene	31.7		µg/kg wet		30.0		106	70-130		
Surrogate: Toluene-d8	29.0		µg/kg wet		30.0		97	70-130		
Surrogate: 1,2-Dichloroethane-d4	30.2		µg/kg wet		30.0		101	70-130		
Surrogate: Dibromofluoromethane	35.4		µg/kg wet		30.0		118	70-130		

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* Reportable Detection Limit

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010632 - SW846 5030 Soil (high level)										
Matrix Spike (9010632-MS1) Source: SA89635-11										
Prepared: 12-Jan-09 Analyzed: 13-Jan-09										
Benzene	21.1		µg/kg dry		20.0	BRL	106	70-130		
Chlorobenzene	22.4		µg/kg dry		20.0	BRL	112	70-130		
1,1-Dichloroethene	20.3		µg/kg dry		20.0	BRL	102	70-130		
Toluene	21.4		µg/kg dry		20.0	BRL	107	70-130		
Trichloroethene	24.0		µg/kg dry		20.0	BRL	120	70-130		
Surrogate: 4-Bromofluorobenzene	33.1		µg/kg dry		30.0		110	70-130		
Surrogate: Toluene-d8	29.9		µg/kg dry		30.0		100	70-130		
Surrogate: 1,2-Dichloroethane-d4	31.4		µg/kg dry		30.0		105	70-130		
Surrogate: Dibromofluoromethane	37.3		µg/kg dry		30.0		124	70-130		
Matrix Spike Dup (9010632-MSD1) Source: SA89635-11										
Prepared: 12-Jan-09 Analyzed: 13-Jan-09										
Benzene	23.5		µg/kg dry		20.0	BRL	118	70-130	11	30
Chlorobenzene	24.3		µg/kg dry		20.0	BRL	122	70-130	8	30
1,1-Dichloroethene	22.7		µg/kg dry		20.0	BRL	114	70-130	11	30
Toluene	22.9		µg/kg dry		20.0	BRL	115	70-130	7	30
Trichloroethene	25.8		µg/kg dry		20.0	BRL	129	70-130	7	30
Surrogate: 4-Bromofluorobenzene	32.4		µg/kg dry		30.0		108	70-130		
Surrogate: Toluene-d8	28.9		µg/kg dry		30.0		96	70-130		
Surrogate: 1,2-Dichloroethane-d4	30.8		µg/kg dry		30.0		103	70-130		
Surrogate: Dibromofluoromethane	35.6		µg/kg dry		30.0		119	70-130		
Batch 9010695 - SW846 5030 Soil (high level)										
Blank (9010695-BLK1)										
Prepared & Analyzed: 13-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	1.0						
Acetone	BRL		µg/kg wet	10.0						
Acrylonitrile	BRL		µg/kg wet	1.0						
Benzene	BRL		µg/kg wet	1.0						
Bromobenzene	BRL		µg/kg wet	1.0						
Bromochloromethane	BRL		µg/kg wet	1.0						
Bromodichloromethane	BRL		µg/kg wet	1.0						
Bromoform	BRL		µg/kg wet	1.0						
Bromomethane	BRL		µg/kg wet	2.0						
2-Butanone (MEK)	BRL		µg/kg wet	10.0						
n-Butylbenzene	BRL		µg/kg wet	1.0						
sec-Butylbenzene	BRL		µg/kg wet	1.0						
tert-Butylbenzene	BRL		µg/kg wet	1.0						
Carbon disulfide	BRL		µg/kg wet	5.0						
Carbon tetrachloride	BRL		µg/kg wet	1.0						
Chlorobenzene	BRL		µg/kg wet	1.0						
Chloroethane	BRL		µg/kg wet	2.0						
Chloroform	BRL		µg/kg wet	1.0						
Chloromethane	BRL		µg/kg wet	2.0						
2-Chlorotoluene	BRL		µg/kg wet	1.0						
4-Chlorotoluene	BRL		µg/kg wet	1.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	2.0						
Dibromochloromethane	BRL		µg/kg wet	1.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	1.0						
Dibromomethane	BRL		µg/kg wet	1.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	1.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	1.0						

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* Reportable Detection Limit

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	Limit	RPD	Limit
Batch 9010695 - SW846 5030 Soil (high level)										
Blank (9010695-BLK1)										
Prepared & Analyzed: 13-Jan-09										
1,4-Dichlorobenzene	BRL		µg/kg wet	1.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	2.0						
1,1-Dichloroethane	BRL		µg/kg wet	1.0						
1,2-Dichloroethane	BRL		µg/kg wet	1.0						
1,1-Dichloroethene	BRL		µg/kg wet	1.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	1.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	1.0						
1,2-Dichloropropane	BRL		µg/kg wet	1.0						
1,3-Dichloropropane	BRL		µg/kg wet	1.0						
2,2-Dichloropropane	BRL		µg/kg wet	1.0						
1,1-Dichloropropene	BRL		µg/kg wet	1.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	1.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	1.0						
Ethylbenzene	BRL		µg/kg wet	1.0						
Hexachlorobutadiene	BRL		µg/kg wet	1.0						
2-Hexanone (MBK)	BRL		µg/kg wet	10.0						
Isopropylbenzene	BRL		µg/kg wet	1.0						
4-Isopropyltoluene	BRL		µg/kg wet	1.0						
Methyl tert-butyl ether	BRL		µg/kg wet	1.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	10.0						
Methylene chloride	BRL		µg/kg wet	10.0						
Naphthalene	BRL		µg/kg wet	1.0						
n-Propylbenzene	BRL		µg/kg wet	1.0						
Styrene	BRL		µg/kg wet	1.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	1.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	1.0						
Tetrachloroethene	BRL		µg/kg wet	1.0						
Toluene	BRL		µg/kg wet	1.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	1.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	1.0						
Trichloroethene	BRL		µg/kg wet	1.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	1.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	1.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	1.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	1.0						
Vinyl chloride	BRL		µg/kg wet	1.0						
m,p-Xylene	BRL		µg/kg wet	2.0						
o-Xylene	BRL		µg/kg wet	1.0						
Tetrahydrofuran	BRL		µg/kg wet	10.0						
Ethyl ether	BRL		µg/kg wet	1.0						
Tert-amyl methyl ether	BRL		µg/kg wet	1.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	1.0						
Di-isopropyl ether	BRL		µg/kg wet	1.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	10.0						
1,4-Dioxane	BRL		µg/kg wet	20.0						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	5.0						

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010695 - SW846 5030 Soil (high level)										
Blank (9010695-BLK1)										
Prepared & Analyzed: 13-Jan-09										
Ethanol	BRL		µg/kg wet	400						
Surrogate: 4-Bromofluorobenzene	30.8		µg/kg wet		30.0		103	70-130		
Surrogate: Toluene-d8	29.8		µg/kg wet		30.0		99	70-130		
Surrogate: 1,2-Dichloroethane-d4	31.6		µg/kg wet		30.0		105	70-130		
Surrogate: Dibromofluoromethane	34.3		µg/kg wet		30.0		114	70-130		
LCS (9010695-B51)										
Prepared & Analyzed: 13-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.3		µg/kg wet		20.0		96	70-130		
Acetone	19.3		µg/kg wet		20.0		96	70-130		
Acrylonitrile	20.7		µg/kg wet		20.0		103	70-130		
Benzene	19.8		µg/kg wet		20.0		99	70-130		
Bromobenzene	23.6		µg/kg wet		20.0		118	70-130		
Bromochloromethane	26.1		µg/kg wet		20.0		130	70-130		
Bromodichloromethane	19.5		µg/kg wet		20.0		97	70-130		
Bromoform	19.0		µg/kg wet		20.0		95	70-130		
Bromomethane	18.4		µg/kg wet		20.0		92	50-134		
2-Butanone (MEK)	19.8		µg/kg wet		20.0		99	44.6-130		
n-Butylbenzene	17.5		µg/kg wet		20.0		87	70-130		
sec-Butylbenzene	20.8		µg/kg wet		20.0		104	70-130		
tert-Butylbenzene	22.0		µg/kg wet		20.0		110	70-130		
Carbon disulfide	16.6		µg/kg wet		20.0		83	70-130		
Carbon tetrachloride	20.2		µg/kg wet		20.0		101	70-130		
Chlorobenzene	21.0		µg/kg wet		20.0		105	70-130		
Chloroethane	16.9		µg/kg wet		20.0		85	59.2-130		
Chloroform	22.1		µg/kg wet		20.0		111	70-130		
Chloromethane	15.1		µg/kg wet		20.0		75	70-130		
2-Chlorotoluene	19.2		µg/kg wet		20.0		96	70-130		
4-Chlorotoluene	20.0		µg/kg wet		20.0		100	70-130		
1,2-Dibromo-3-chloropropane	18.7		µg/kg wet		20.0		94	70-130		
Dibromochloromethane	19.0		µg/kg wet		20.0		95	63.8-130		
1,2-Dibromoethane (EDB)	23.4		µg/kg wet		20.0		117	70-130		
Dibromomethane	22.5		µg/kg wet		20.0		113	70-130		
1,2-Dichlorobenzene	20.0		µg/kg wet		20.0		100	70-130		
1,3-Dichlorobenzene	21.3		µg/kg wet		20.0		107	70-130		
1,4-Dichlorobenzene	19.2		µg/kg wet		20.0		96	70-130		
Dichlorodifluoromethane (Freon 12)	14.6		µg/kg wet		20.0		73	41.8-130		
1,1-Dichloroethane	16.6		µg/kg wet		20.0		83	70-130		
1,2-Dichloroethane	19.1		µg/kg wet		20.0		96	70-130		
1,1-Dichloroethene	18.6		µg/kg wet		20.0		93	70-130		
cis-1,2-Dichloroethene	18.3		µg/kg wet		20.0		91	70-130		
trans-1,2-Dichloroethene	18.7		µg/kg wet		20.0		93	70-130		
1,2-Dichloropropane	19.9		µg/kg wet		20.0		99	70-130		
1,3-Dichloropropane	19.2		µg/kg wet		20.0		96	70-130		
2,2-Dichloropropane	20.1		µg/kg wet		20.0		100	70-130		
1,1-Dichloropropene	20.9		µg/kg wet		20.0		104	70-130		
cis-1,3-Dichloropropene	21.5		µg/kg wet		20.0		107	70-130		
trans-1,3-Dichloropropene	17.8		µg/kg wet		20.0		89	70-130		
Ethylbenzene	20.3		µg/kg wet		20.0		101	70-130		
Hexachlorobutadiene	22.9		µg/kg wet		20.0		114	68.3-130		
2-Hexanone (MBK)	19.8		µg/kg wet		20.0		99	70-130		

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* Reportable Detection Limit

BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010695 - SW846 5030 Soil (high level)										
LCS (9010695-BS1)										
Prepared & Analyzed: 13-Jan-09										
Isopropylbenzene	20.3		µg/kg wet		20.0		102	70-130		
4-Isopropyltoluene	18.9		µg/kg wet		20.0		94	70-130		
Methyl tert-butyl ether	17.1		µg/kg wet		20.0		86	70-130		
4-Methyl-2-pentanone (MIBK)	19.9		µg/kg wet		20.0		100	53.1-132		
Methylene chloride	19.1		µg/kg wet		20.0		96	70-130		
Naphthalene	18.7		µg/kg wet		20.0		94	70-130		
n-Propylbenzene	20.2		µg/kg wet		20.0		101	70-130		
Styrene	21.6		µg/kg wet		20.0		108	70-130		
1,1,1,2-Tetrachloroethane	21.4		µg/kg wet		20.0		107	70-130		
1,1,2,2-Tetrachloroethane	23.2		µg/kg wet		20.0		116	70-130		
Tetrachloroethene	23.3		µg/kg wet		20.0		117	70-130		
Toluene	19.2		µg/kg wet		20.0		96	70-130		
1,2,3-Trichlorobenzene	21.1		µg/kg wet		20.0		105	70-130		
1,2,4-Trichlorobenzene	20.2		µg/kg wet		20.0		101	70-130		
1,3,5-Trichlorobenzene	19.9		µg/kg wet		20.0		99	70-130		
1,1,1-Trichloroethane	22.5		µg/kg wet		20.0		112	70-130		
1,1,2-Trichloroethane	23.3		µg/kg wet		20.0		116	70-130		
Trichloroethene	21.4		µg/kg wet		20.0		107	70-130		
Trichlorofluoromethane (Freon 11)	17.6		µg/kg wet		20.0		88	68.2-130		
1,2,3-Trichloropropane	22.0		µg/kg wet		20.0		110	70-130		
1,2,4-Trimethylbenzene	20.8		µg/kg wet		20.0		103	70-130		
1,3,5-Trimethylbenzene	20.8		µg/kg wet		20.0		104	70-130		
Vinyl chloride	18.0		µg/kg wet		20.0		90	70-130		
m,p-Xylene	41.5		µg/kg wet		40.0		104	70-130		
o-Xylene	21.8		µg/kg wet		20.0		109	70-130		
Tetrahydrofuran	23.1		µg/kg wet		20.0		116	70-130		
Ethyl ether	17.8		µg/kg wet		20.0		89	70-130		
Tert-amyl methyl ether	18.6		µg/kg wet		20.0		93	70-130		
Ethyl tert-butyl ether	19.3		µg/kg wet		20.0		96	70-130		
Di-isopropyl ether	15.1		µg/kg wet		20.0		75	70-130		
Tert-Butanol / butyl alcohol	19.4		µg/kg wet		20.0		97	70-130		
1,4-Dioxane	263	QC1	µg/kg wet		20.0		132	48.7-130		
trans-1,4-Dichloro-2-butene	19.2		µg/kg wet		20.0		96	70-130		
Ethanol	32.4		µg/kg wet		40.0		81	70-130		
Surrogate: 4-Bromofluorobenzene	31.6		µg/kg wet		30.0		105	70-130		
Surrogate: Toluene-d8	28.9		µg/kg wet		30.0		96	70-130		
Surrogate: 1,2-Dichloroethane-d4	30.8		µg/kg wet		30.0		103	70-130		
Surrogate: Dibromofluoromethane	35.8		µg/kg wet		30.0		119	70-130		
LCS Dup (9010695-BSD1)										
Prepared & Analyzed: 13-Jan-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.0		µg/kg wet		20.0		100	70-130	4	25
Acetone	19.6		µg/kg wet		20.0		98	7.9-168	1	50
Acrylonitrile	22.1		µg/kg wet		20.0		110	70-130	8	25
Benzene	20.4		µg/kg wet		20.0		102	70-130	3	25
Bromobenzene	22.4		µg/kg wet		20.0		112	70-130	5	25
Bromochloromethane	25.8		µg/kg wet		20.0		129	70-130	1	25
Bromodichloromethane	20.0		µg/kg wet		20.0		100	70-130	3	25
Bromoform	19.0		µg/kg wet		20.0		95	70-130	0.05	25
Bromomethane	17.8		µg/kg wet		20.0		89	50-134	3	50
2-Butanone (MEK)	20.7		µg/kg wet		20.0		104	44.6-130	5	50

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* Reportable Detection Limit

BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010695 - SW846 5030 Soil (high level)										
<u>LCS Dup (9010695-RSD1)</u>										
Prepared & Analyzed: 13-Jan-09										
n-Butylbenzene	18.6		µg/kg wet		20.0		93	70-130	6	25
sec-Butylbenzene	20.6		µg/kg wet		20.0		103	70-130	0.5	25
tert-Butylbenzene	21.4		µg/kg wet		20.0		107	70-130	3	25
Carbon disulfide	17.0		µg/kg wet		20.0		85	70-130	3	25
Carbon tetrachloride	20.2		µg/kg wet		20.0		101	70-130	0.05	25
Chlorobenzene	20.2		µg/kg wet		20.0		101	70-130	4	25
Chloroethane	18.2		µg/kg wet		20.0		91	59.2-130	7	50
Chloroform	23.4		µg/kg wet		20.0		117	70-130	6	25
Chloromethane	16.0		µg/kg wet		20.0		80	70-130	6	25
2-Chlorotoluene	18.9		µg/kg wet		20.0		95	70-130	2	25
4-Chlorotoluene	19.8		µg/kg wet		20.0		99	70-130	1	25
1,2-Dibromo-3-chloropropane	20.2		µg/kg wet		20.0		101	70-130	8	25
Dibromochloromethane	18.8		µg/kg wet		20.0		94	63.8-130	0.6	50
1,2-Dibromoethane (EDB)	23.5		µg/kg wet		20.0		118	70-130	0.4	25
Dibromomethane	23.5		µg/kg wet		20.0		118	70-130	4	25
1,2-Dichlorobenzene	20.1		µg/kg wet		20.0		100	70-130	0.4	25
1,3-Dichlorobenzene	20.6		µg/kg wet		20.0		103	70-130	4	25
1,4-Dichlorobenzene	19.3		µg/kg wet		20.0		97	70-130	0.9	25
Dichlorodifluoromethane (Freon12)	16.0		µg/kg wet		20.0		80	41.8-130	9	50
1,1-Dichloroethane	17.2		µg/kg wet		20.0		86	70-130	4	25
1,2-Dichloroethane	20.0		µg/kg wet		20.0		100	70-130	5	25
1,1-Dichloroethene	18.8		µg/kg wet		20.0		94	70-130	1	25
cis-1,2-Dichloroethene	18.5		µg/kg wet		20.0		92	70-130	1	25
trans-1,2-Dichloroethene	19.0		µg/kg wet		20.0		95	70-130	2	25
1,2-Dichloropropane	21.2		µg/kg wet		20.0		106	70-130	6	25
1,3-Dichloropropane	19.6		µg/kg wet		20.0		98	70-130	2	25
2,2-Dichloropropane	21.0		µg/kg wet		20.0		105	70-130	4	25
1,1-Dichloropropene	21.6		µg/kg wet		20.0		108	70-130	3	25
cis-1,3-Dichloropropene	22.1		µg/kg wet		20.0		111	70-130	3	25
trans-1,3-Dichloropropene	18.5		µg/kg wet		20.0		92	70-130	3	25
Ethylbenzene	19.8		µg/kg wet		20.0		99	70-130	2	25
Hexachlorobutadiene	22.8		µg/kg wet		20.0		114	68.3-130	0.5	50
2-Hexanone (MBK)	20.6		µg/kg wet		20.0		103	70-130	4	25
Isopropylbenzene	19.9		µg/kg wet		20.0		99	70-130	2	25
4-Isopropyltoluene	19.1		µg/kg wet		20.0		96	70-130	1	25
Methyl tert-butyl ether	17.8		µg/kg wet		20.0		89	70-130	4	25
4-Methyl-2-pentanone (MIBK)	21.1		µg/kg wet		20.0		106	53.1-132	6	50
Methylene chloride	19.9		µg/kg wet		20.0		100	70-130	4	25
Naphthalene	19.2		µg/kg wet		20.0		96	70-130	2	25
n-Propylbenzene	20.2		µg/kg wet		20.0		101	70-130	0.05	25
Styrene	21.0		µg/kg wet		20.0		105	70-130	3	25
1,1,1,2-Tetrachloroethane	20.8		µg/kg wet		20.0		104	70-130	3	25
1,1,2,2-Tetrachloroethane	23.8		µg/kg wet		20.0		119	70-130	3	25
Tetrachloroethene	22.3		µg/kg wet		20.0		111	70-130	5	25
Toluene	19.5		µg/kg wet		20.0		98	70-130	2	25
1,2,3-Trichlorobenzene	21.7		µg/kg wet		20.0		108	70-130	3	25
1,2,4-Trichlorobenzene	20.6		µg/kg wet		20.0		103	70-130	2	25
1,3,5-Trichlorobenzene	20.1		µg/kg wet		20.0		100	70-130	0.9	25
1,1,1-Trichloroethane	22.8		µg/kg wet		20.0		114	70-130	1	25

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* Reportable Detection Limit

BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010695 - SW846 5030 Soil (high level)										
<u>LCS Dup (9010695-BSD1)</u>										
Prepared & Analyzed: 13-Jan-09										
1,1,2-Trichloroethane	23.6		µg/kg wet		20.0		118	70-130	1	25
Trichloroethene	22.2		µg/kg wet		20.0		111	70-130	4	25
Trichlorofluoromethane (Freon 11)	18.3		µg/kg wet		20.0		91	68.2-130	4	50
1,2,3-Trichloropropane	22.3		µg/kg wet		20.0		112	70-130	2	25
1,2,4-Trimethylbenzene	20.6		µg/kg wet		20.0		103	70-130	0.1	25
1,3,5-Trimethylbenzene	20.6		µg/kg wet		20.0		103	70-130	1	25
Vinyl chloride	19.2		µg/kg wet		20.0		96	70-130	6	25
m,p-Xylene	40.5		µg/kg wet		40.0		101	70-130	2	25
o-Xylene	21.2		µg/kg wet		20.0		106	70-130	3	25
Tetrahydrofuran	24.9		µg/kg wet		20.0		125	70-130	7	25
Ethyl ether	18.8		µg/kg wet		20.0		94	70-130	5	50
Tert-amyl methyl ether	19.7		µg/kg wet		20.0		99	70-130	6	25
Ethyl tert-butyl ether	20.3		µg/kg wet		20.0		102	70-130	5	25
Di-isopropyl ether	16.2		µg/kg wet		20.0		81	70-130	7	25
Tert-Butanol / butyl alcohol	202		µg/kg wet		200		101	70-130	4	25
1,4-Dioxane	243		µg/kg wet		200		122	48.7-130	8	25
trans-1,4-Dichloro-2-butene	19.2		µg/kg wet		20.0		96	70-130	0.05	25
Ethanol	295		µg/kg wet		400		74	70-130	9	30
Surrogate: 4-Bromofluorobenzene	31.7		µg/kg wet		30.0		106	70-130		
Surrogate: Toluene-d8	28.9		µg/kg wet		30.0		96	70-130		
Surrogate: 1,2-Dichloroethane-d4	31.8		µg/kg wet		30.0		106	70-130		
Surrogate: Dibromofluoromethane	37.2		µg/kg wet		30.0		124	70-130		
<u>Matrix Spike (9010695-MS1)</u> Source: SA89635-02										
Prepared & Analyzed: 13-Jan-09										
Benzene	22.1		µg/kg dry		20.0	BRL	110	70-130		
Chlorobenzene	21.4		µg/kg dry		20.0	BRL	107	70-130		
1,1-Dichloroethene	21.1		µg/kg dry		20.0	BRL	106	70-130		
Toluene	21.4		µg/kg dry		20.0	BRL	107	70-130		
Trichloroethene	24.3		µg/kg dry		20.0	BRL	121	70-130		
Surrogate: 4-Bromofluorobenzene	31.6		µg/kg dry		30.0		105	70-130		
Surrogate: Toluene-d8	29.5		µg/kg dry		30.0		98	70-130		
Surrogate: 1,2-Dichloroethane-d4	31.6		µg/kg dry		30.0		105	70-130		
Surrogate: Dibromofluoromethane	36.1		µg/kg dry		30.0		120	70-130		
<u>Matrix Spike Dup (9010695-MSD1)</u> Source: SA89635-02										
Prepared & Analyzed: 13-Jan-09										
Benzene	22.6		µg/kg dry		20.0	BRL	113	70-130	2	30
Chlorobenzene	23.0		µg/kg dry		20.0	BRL	115	70-130	7	30
1,1-Dichloroethene	21.9		µg/kg dry		20.0	BRL	109	70-130	4	30
Toluene	21.8		µg/kg dry		20.0	BRL	109	70-130	2	30
Trichloroethene	25.5		µg/kg dry		20.0	BRL	127	70-130	5	30
Surrogate: 4-Bromofluorobenzene	32.2		µg/kg dry		30.0		107	70-130		
Surrogate: Toluene-d8	29.3		µg/kg dry		30.0		98	70-130		
Surrogate: 1,2-Dichloroethane-d4	30.5		µg/kg dry		30.0		102	70-130		
Surrogate: Dibromofluoromethane	34.8		µg/kg dry		30.0		116	70-130		

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* Reportable Detection Limit

BRL = Below Reporting Limit

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010977 - SW846 3545A										
<u>Blank (9010977-BLK1)</u>										
Prepared & Analyzed: 16-Jan-09										
PCB 1016	BRL		µg/kg wet	20.0						
PCB 1221	BRL		µg/kg wet	20.0						
PCB 1232	BRL		µg/kg wet	20.0						
PCB 1242	BRL		µg/kg wet	20.0						
PCB 1248	BRL		µg/kg wet	20.0						
PCB 1254	BRL		µg/kg wet	20.0						
PCB 1260	BRL		µg/kg wet	20.0						
PCB 1262	BRL		µg/kg wet	20.0						
PCB 1268	BRL		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	20.0		µg/kg wet		20.0		100	30-150		
Surrogate: Decachlorobiphenyl (Sr)	19.3		µg/kg wet		20.0		96	30-150		
<u>LCS (9010977-BSD1)</u>										
Prepared & Analyzed: 16-Jan-09										
PCB 1016	274		µg/kg wet	20.0	250		110	40-140		
PCB 1260	272		µg/kg wet	20.0	250		109	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	19.2		µg/kg wet		20.0		96	30-150		
Surrogate: Decachlorobiphenyl (Sr)	18.4		µg/kg wet		20.0		92	30-150		
<u>LCS Dup (9010977-BSD1)</u>										
Prepared & Analyzed: 16-Jan-09										
PCB 1016	274		µg/kg wet	20.0	250		109	40-140	0.3	30
PCB 1260	272		µg/kg wet	20.0	250		109	40-140	0.1	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	19.3		µg/kg wet		20.0		96	30-150		
Surrogate: Decachlorobiphenyl (Sr)	18.2		µg/kg wet		20.0		91	30-150		
<u>Duplicate (9010977-DUP1)</u> Source: SA89635-02										
Prepared & Analyzed: 16-Jan-09										
PCB 1016	BRL		µg/kg dry	21.0		BRL				40
PCB 1221	BRL		µg/kg dry	21.0		BRL				40
PCB 1232	BRL		µg/kg dry	21.0		BRL				40
PCB 1242	BRL		µg/kg dry	21.0		BRL				40
PCB 1248	BRL		µg/kg dry	21.0		BRL				40
PCB 1254	BRL		µg/kg dry	21.0		BRL				40
PCB 1260	BRL		µg/kg dry	21.0		BRL				40
PCB 1262	BRL		µg/kg dry	21.0		BRL				40
PCB 1268	BRL		µg/kg dry	21.0		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	20.1		µg/kg dry		21.0		96	30-150		
Surrogate: Decachlorobiphenyl (Sr)	13.9		µg/kg dry		21.0		66	30-150		
<u>Matrix Spike (9010977-MS1)</u> Source: SA89635-02										
Prepared & Analyzed: 16-Jan-09										
PCB 1016	341		µg/kg dry	22.2	278	BRL	123	40-140		
PCB 1260	346		µg/kg dry	22.2	278	BRL	125	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	22.5		µg/kg dry		22.2		102	30-150		
Surrogate: Decachlorobiphenyl (Sr)	15.5		µg/kg dry		22.2		70	30-150		
<u>Matrix Spike Dup (9010977-MSD1)</u> Source: SA89635-02										
Prepared & Analyzed: 16-Jan-09										
PCB 1016	313		µg/kg dry	21.5	269	BRL	117	40-140	5	50
PCB 1260	311		µg/kg dry	21.5	269	BRL	116	40-140	7	50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	20.4		µg/kg dry		21.5		95	30-150		
Surrogate: Decachlorobiphenyl (Sr)	13.2		µg/kg dry		21.5		62	30-150		

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* Reportable Detection Limit

BRL = Below Reporting Limit

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010859 - SW846 3550B										
Blank (9010859-BLK1)										
Prepared & Analyzed: 15-Jan-09										
Gasoline	BRL		mg/kg wet	13.3						
Fuel Oil #2	BRL		mg/kg wet	13.3						
Fuel Oil #4	BRL		mg/kg wet	13.3						
Fuel Oil #6	BRL		mg/kg wet	13.3						
Motor Oil	BRL		mg/kg wet	13.3						
Ligroin	BRL		mg/kg wet	13.3						
Aviation Fuel	BRL		mg/kg wet	13.3						
Hydraulic Oil	BRL		mg/kg wet	13.3						
Dielectric Fluid	BRL		mg/kg wet	13.3						
Unidentified	BRL		mg/kg wet	13.3						
Other Oil	BRL		mg/kg wet	13.3						
Total Petroleum Hydrocarbons	BRL		mg/kg wet	13.3						
Surrogate: 1-Chlorooctadecane	2.78		mg/kg wet		3.33		83	40-140		
LCS (9010859-BS1)										
Prepared & Analyzed: 15-Jan-09										
Fuel Oil #2	809		mg/kg wet	13.3	687		91	40-140		
Surrogate: 1-Chlorooctadecane	2.80		mg/kg wet		3.33		84	40-140		
Duplicate (9010859-DUP1)										
Source: SA89831-07										
Prepared & Analyzed: 15-Jan-09										
Gasoline	BRL		mg/kg dry	28.2		BRL				50
Fuel Oil #2	BRL		mg/kg dry	28.2		BRL				50
Fuel Oil #4	BRL		mg/kg dry	28.2		BRL				50
Fuel Oil #6	BRL		mg/kg dry	28.2		BRL				50
Motor Oil	BRL		mg/kg dry	28.2		BRL				50
Ligroin	BRL		mg/kg dry	28.2		BRL				50
Aviation Fuel	BRL		mg/kg dry	28.2		BRL				50
Hydraulic Oil	BRL		mg/kg dry	28.2		BRL				50
Dielectric Fluid	BRL		mg/kg dry	28.2		BRL				50
Unidentified	BRL		mg/kg dry	28.2		BRL				50
Other Oil	BRL		mg/kg dry	28.2		BRL				50
Total Petroleum Hydrocarbons	BRL		mg/kg dry	28.2		BRL				50
Surrogate: 1-Chlorooctadecane	3.31		mg/kg dry		3.54		94	40-140		

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* Reportable Detection Limit

BRL = Below Reporting Limit

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010611 - EPA200/SW7000 Series										
<u>Blank (9010611-BLK1)</u>										
Prepared: 15-Jan-09 Analyzed: 19-Jan-09										
Mercury	BRL		mg/kg wet	0.0260						
<u>Duplicate (9010611-DUP1)</u> Source: SA89635-01										
Prepared: 15-Jan-09 Analyzed: 19-Jan-09										
Mercury	0.232		mg/kg dry	0.0304		0.201			14	20
<u>Matrix Spike (9010611-MS1)</u> Source: SA89635-02										
Prepared: 15-Jan-09 Analyzed: 19-Jan-09										
Mercury	0.535		mg/kg dry	0.0303	0.421	0.0339	119	75-125		
<u>Matrix Spike (9010611-MS2)</u> Source: SA89635-03										
Prepared: 15-Jan-09 Analyzed: 19-Jan-09										
Mercury	0.498		mg/kg dry	0.0293	0.407	0.0421	112	75-125		
<u>Post Spike (9010611-PS1)</u> Source: SA89635-02										
Prepared: 15-Jan-09 Analyzed: 19-Jan-09										
Mercury	0.531		mg/kg dry	0.0328	0.455	0.0339	109	80-120		
<u>Post Spike (9010611-PS2)</u> Source: SA89635-03										
Prepared: 15-Jan-09 Analyzed: 19-Jan-09										
Mercury	0.532		mg/kg dry	0.0313	0.435	0.0421	113	80-120		
<u>Reference (9010611-SRM1)</u>										
Prepared: 15-Jan-09 Analyzed: 19-Jan-09										
Mercury	2.46		mg/kg wet	0.0300	2.21		111	71.7-128.8		

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* Reportable Detection Limit

BRL = Below Reporting Limit

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010607 - EPA 200 Series										
<u>Blank (9010607-BLK1)</u>										
Prepared: 15-Jan-09 Analyzed: 19-Jan-09										
Selenium	BRL		mg/kg wet	1.43						
Zinc	BRL		mg/kg wet	0.953						
Nickel	BRL		mg/kg wet	0.953						
Silver	BRL		mg/kg wet	1.43						
Thallium	BRL		mg/kg wet	2.86						
Antimony	BRL		mg/kg wet	2.86						
Copper	BRL		mg/kg wet	0.953						
Beryllium	BRL		mg/kg wet	0.476						
Arsenic	BRL		mg/kg wet	1.43						
Chromium	BRL		mg/kg wet	0.953						
Lead	BRL		mg/kg wet	1.43						
Cadmium	BRL		mg/kg wet	0.476						
<u>Duplicate (9010607-DUP1)</u> Source: SA89635-01										
Prepared: 15-Jan-09 Analyzed: 19-Jan-09										
Zinc	26.0		mg/kg dry	1.04		26.3			1	20
Antimony	BRL		mg/kg dry	3.12		BRL				20
Silver	0.495	J,QR8	mg/kg dry	1.56		0.710			36	20
Nickel	5.34		mg/kg dry	1.04		5.21			2	20
Selenium	BRL		mg/kg dry	1.56		BRL				20
Thallium	BRL		mg/kg dry	3.12		BRL				20
Copper	8.02		mg/kg dry	1.04		8.47			6	20
Arsenic	2.19		mg/kg dry	1.56		2.12			3	20
Beryllium	BRL		mg/kg dry	0.521		BRL				20
Cadmium	0.177	J	mg/kg dry	0.521		0.188			6	20
Lead	34.9		mg/kg dry	1.56		38.2			9	20
Chromium	12.3		mg/kg dry	1.04		12.9			5	20
<u>Matrix Spike (9010607-MS1)</u> Source: SA89635-02										
Prepared: 15-Jan-09 Analyzed: 19-Jan-09										
Nickel	125		mg/kg dry	0.961	120	8.38	98	70-130		
Selenium	122		mg/kg dry	1.44	120	BRL	102	70-130		
Antimony	113		mg/kg dry	2.88	120	BRL	94	70-130		
Zinc	144		mg/kg dry	0.961	120	19.9	103	70-130		
Silver	117		mg/kg dry	1.44	120	BRL	97	70-130		
Thallium	116		mg/kg dry	2.88	120	BRL	97	70-130		
Lead	125		mg/kg dry	1.44	120	10.4	96	70-130		
Arsenic	126		mg/kg dry	1.44	120	6.19	100	70-130		
Cadmium	120		mg/kg dry	0.480	120	0.182	100	70-130		
Chromium	131		mg/kg dry	0.961	120	14.8	97	70-130		
Copper	131		mg/kg dry	0.961	120	9.07	101	70-130		
Beryllium	114		mg/kg dry	0.480	120	0.153	94	70-130		
<u>Matrix Spike (9010607-MS2)</u> Source: SA89635-03										
Prepared: 15-Jan-09 Analyzed: 19-Jan-09										
Thallium	127		mg/kg dry	3.02	126	BRL	101	70-130		
Antimony	121		mg/kg dry	3.02	126	BRL	96	70-130		
Silver	128		mg/kg dry	1.51	126	BRL	102	70-130		
Zinc	157		mg/kg dry	1.01	126	23.4	106	70-130		
Nickel	135		mg/kg dry	1.01	126	8.38	100	70-130		
Selenium	131		mg/kg dry	1.51	126	BRL	104	70-130		

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* Reportable Detection Limit

BRL = Below Reporting Limit

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	Limit	RPD	RPD Limit
Batch 9010607 - EPA 200 Series										
Matrix Spike (9010607-MS2) Source: SA89635-03										
Prepared: 15-Jan-09 Analyzed: 19-Jan-09										
Copper	143		mg/kg dry	1.01	126	16.5	100	70-130		
Lead	131		mg/kg dry	1.51	126	13.8	93	70-130		
Arsenic	135		mg/kg dry	1.51	126	6.34	102	70-130		
Beryllium	122		mg/kg dry	0.503	126	0.244	97	70-130		
Chromium	140		mg/kg dry	1.01	126	15.6	99	70-130		
Cadmium	131		mg/kg dry	0.503	126	0.215	104	70-130		
Post Spike (9010607-PS1) Source: SA89635-02										
Prepared: 15-Jan-09 Analyzed: 19-Jan-09										
Antimony	121		mg/kg dry	3.07	128	BRL	95	85-115		
Silver	126		mg/kg dry	1.53	128	BRL	99	85-115		
Zinc	156		mg/kg dry	1.02	128	19.9	107	85-115		
Nickel	135		mg/kg dry	1.02	128	8.38	99	85-115		
Selenium	134		mg/kg dry	1.53	128	BRL	105	85-115		
Thallium	127		mg/kg dry	3.07	128	BRL	100	85-115		
Beryllium	123		mg/kg dry	0.511	128	0.153	96	85-115		
Arsenic	142		mg/kg dry	1.53	128	6.19	107	85-115		
Lead	135		mg/kg dry	1.53	128	10.4	97	85-115		
Cadmium	131		mg/kg dry	0.511	128	0.182	103	85-115		
Copper	141		mg/kg dry	1.02	128	9.07	103	85-115		
Chromium	141		mg/kg dry	1.02	128	14.8	98	85-115		
Post Spike (9010607-PS2) Source: SA89635-03										
Prepared: 15-Jan-09 Analyzed: 20-Jan-09										
Thallium	118		mg/kg dry	2.87	119	BRL	99	85-115		
Antimony	113		mg/kg dry	2.87	119	BRL	95	85-115		
Zinc	145		mg/kg dry	0.955	119	23.4	102	85-115		
Silver	120		mg/kg dry	1.43	119	BRL	100	85-115		
Selenium	122		mg/kg dry	1.43	119	BRL	102	85-115		
Nickel	125		mg/kg dry	0.955	119	8.38	98	85-115		
Copper	134		mg/kg dry	0.955	119	16.5	99	85-115		
Cadmium	122		mg/kg dry	0.478	119	0.215	102	85-115		
Arsenic	125		mg/kg dry	1.43	119	6.34	100	85-115		
Chromium	131		mg/kg dry	0.955	119	15.6	96	85-115		
Lead	122		mg/kg dry	1.43	119	13.8	91	85-115		
Beryllium	116		mg/kg dry	0.478	119	0.244	97	85-115		
Reference (9010607-SRM1)										
Prepared: 15-Jan-09 Analyzed: 20-Jan-09										
Selenium	152		mg/kg wet	1.50	146		104	76.6-123.1		
Nickel	66.9		mg/kg wet	1.00	68.4		98	77.6-123.1		
Silver	15.8		mg/kg wet	1.50	15.4		103	66.4-133.6		
Zinc	316		mg/kg wet	1.00	303		104	79.5-120.7		
Antimony	85.6	QC2	mg/kg wet	3.00	34.4		249	15-184		
Thallium	65.2		mg/kg wet	3.00	61.8		105	78.2-122.3		
Chromium	119		mg/kg wet	1.00	121		99	79.7-120.3		
Beryllium	39.4		mg/kg wet	0.500	39.6		99	83.8-116.1		
Arsenic	55.4		mg/kg wet	1.50	53.1		104	77.6-123.1		
Lead	42.6		mg/kg wet	1.50	43.9		97	78.8-120.9		
Copper	92.5		mg/kg wet	1.00	88.9		104	80.5-118.4		
Cadmium	30.7		mg/kg wet	0.500	31.0		99	80.9-119.3		

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* Reportable Detection Limit

BRL = Below Reporting Limit

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9010820 - General Preparation										
Duplicate (9010820-DUP1)	Source: SA89635-01									
Prepared & Analyzed: 14-Jan-09										
% Solids	90.4		%			90.4			0.04	20

Toxicity Characteristics - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch 9010555 - General Preparation										
Duplicate (9010555-DUP1)	Source: SA89633-02									
Prepared & Analyzed: 10-Jan-09										
pH	8.19		pH Units			8.20			0.1	5
Reference (9010555-SRM1)										
Prepared & Analyzed: 10-Jan-09										
pH	7.11		pH Units		7.00		102	97.5-102.5		
Reference (9010555-SRM2)										
Prepared & Analyzed: 10-Jan-09										
pH	7.04		pH Units		7.00		101	97.5-102.5		

Notes and Definitions

B05	Contamination in blank is carryover from previous sample analyzed in same purge vessel. This contamination is not present in purge vessels that associated samples were purged in.
QC1	Analyte out of acceptance range.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QR8	Analyses are not controlled on RPD values from sample concentrations that are less than 5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

The method for pH does not stipulate a specific holding time other than to state that the samples should be analyzed as soon as possible. For aqueous samples the 40 CFR 136 specifies a holding time of 15 minutes from sampling to analysis. Therefore all aqueous pH samples not analyzed in the field are considered out of hold time at the time of sample receipt. All soil samples are analyzed as soon as possible after sample receipt.

Interpretation of Total Petroleum Hydrocarbon Report

Petroleum identification is determined by comparing the GC fingerprint obtained from the sample with a library of GC fingerprints obtained from analyses of various petroleum products. Possible match categories are as follows:

- Gasoline - includes regular, unleaded, premium, etc.
- Fuel Oil #2 - includes home heating oil, #2 fuel oil, and diesel
- Fuel Oil #4 - includes #4 fuel oil
- Fuel Oil #6 - includes #6 fuel oil and bunker "C" oil
- Motor Oil - includes virgin and waste automobile oil
- Ligroin - includes mineral spirits, petroleum naphtha, vm&p naphtha
- Aviation Fuel - includes kerosene, Jet A and JP-4
- Other Oil - includes lubricating and cutting oil, and silicon oil

At times, the unidentified petroleum product is quantified using a calibration that most closely approximates the distribution of compounds in the sample. When this occurs, the result is qualified as *TPH (Calculated as).

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

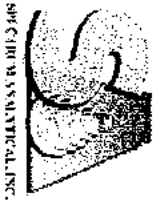
Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.
Rebecca Merz



SPECTRA ANALYTICAL, INC.
Framingham, MA 01702

CHAIN OF CUSTODY RECORD

Page 1 of 1

389035 OK

Special Handling:
☒ Standard FAT - 7 to 10 business days
☐ Rust FAT - Date Needed:
- All FATs subject to laboratory approval
- Min. 24-hour notification needed for rush.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Williamson Environmental

280 Myer St
Haverhill MA

Invoice To: Same

Project No.: GR4 Contam
Site Name: GR4 Contam
Location: Contam State: MA

Project Mgr: Joe Resca

P.O. No.: None

Sampler(s): Mike Parashov

1= Na_2SO_3 , 2= HCl , 3= FeSO_4 , 4= HNO_3 , 5= NaOH , 6=Ascorbic Acid
7= CH_3OH , 8= NaHSO_3 , 9= , 10=

DW=Drinking Water CW=Groundwater WY=Wastewater
O=Oil SW=Surface Water SO=Soil SE=Sludge A=Air
N1= X2= X3=

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses:	OA Retention Notes: (check if needed)
02TR-2 S' 007		1-9-09	8:30	G	So	7	2	1			8260	
02TR-3 Y' 008			9:00	G	So	7	2	1			PH	
02TR-4 S' 009			9:30	G	So	7	2	1			8100	
02TR-5 S' 010			10:00	G	So	7	2	1			PCB _s	
02TR-6 S' 011			10:30	G	So	7	2	1			PCRA 13 METALS	
02TR-7 S' 012			10:45	G	So	7	2	1				
02TR-8 S' 013			11:00	G	So	7	2	1				
02TR-9 S' 014			11:15	G	So	7	2	1				
02TR-10 S' 015			11:30	G	So	7	2	1				
			11:45	G	So	7	2	1				

☐ Fax results when available to ()

☒ E-mail to lab@williamsonenv.com

EEO Form 1

Condition upon receipt: ☒ Filled ☐ Ambient 2.8

Prepared by: Mike Parashov

Received by: Joe Resca

Date: 1/09/09

Time: 16:25

ATTACHMENT G

STATEMENT OF QUALIFICATIONS

Thomas Williamson Jr., LSP

Mr. Williamson obtained his Licensed Site Professional (LSP) license in 1993 and has worked in the environmental industry since 1985 conducting site assessments and remedial response actions for a wide array of clients in the New England area. Mr. Williamson graduated from Wentworth Institute of Technology in 1986 with a B.S. degree in Architectural Engineering. Mr. Williamson was Regional Manager for several environmental consulting companies prior to opening Williamson Environmental in 2001. As the President of Williamson Environmental, Mr. Williamson provides technical and regulatory oversight of all projects.

As LSP for several major oil companies, numerous banks, developers and private corporations and entities throughout his career, Mr. Williamson has been project lead for hundreds of sites. Mr. Williamson has been and continues to be involved in all aspects of a project from initial site assessment and project design to installation and operation of soil and ground water remediation systems. Mr. Williamson is an active member of the North Central MA Chamber of Commerce, Independent Oil Marketers Association, LSP Association, and conducts training sessions for the new ASTM Phase I Environmental Site Assessment Standard (E 1527-05) and *Standards and Practices for All Appropriate Inquiries*, Final Rule, 40 CFR Part 312.

Heidi M. Resca

Ms. Resca is Senior Project Manager with a B.A. degree (geology major) from Franklin & Marshall College in 1984 and has worked in the environmental consulting field since 1985. Her work experience ranges from extracting and analyzing soil and ground water samples in the laboratory to managing major oil company accounts. Ms. Resca has managed a wide range of projects, from service stations and bulk oil terminals to metal finishing and adhesive manufacturing facilities, many of which included impacted overburden and bedrock aquifers. Her extensive knowledge of MGL c. 21E and the MCP, MA DEP and ASTM Standards, policies and guidelines and Method 1, Method 2 and Method 3 risk characterizations offers clients the means of evaluating and synthesizing project information and mapping efficient and innovative paths toward project closure.

Ms. Resca is responsible for initial and comprehensive site investigations for a variety of clients and sites. Ms. Resca is responsible for developing and maintaining quality assurance/quality control for all projects and reviewing all project related documents prior to LSP approval and final regulatory submittal.

Stephanie Orlow

Ms. Orlow received her Bachelor of Science in Environmental Science in 1998 from Fitchburg State College. Mr. Orlow works as a Project Manager conducting ASTM and MCP Phase I and Phase II Environmental Site Assessments. Involvement in these projects include: developing an appropriate scope of services and budget, historical review at local, state and federal levels, observing subsurface explorations and sample collection and report preparation. Ms Orlow has also conducted environmental investigations in Rhode Island and has prepared Site Investigation Reports and Corrective Action Plan reports for RI DEM.



280 Ayer Road, Harvard, MA 01451 • Office: (978) 862-0110 • Fax: (978) 862-0111

September 1, 2009

Goldsmith, Prest & Ringwall, Inc.
Attn. Mr. Calvin Goldsmith
39 Main Street
Suite 301
Ayer, Massachusetts 01432

Re: Summary of Test Pit Excavation/Soil Sampling Activities
Portion of 965 Elm Street
Concord, Massachusetts

Dear Mr. Goldsmith:

At your request, Williamson Environmental LLC (Williamson Environmental) monitored the excavation of test pits, collected soil samples, and submitted said soil samples for laboratory analysis from a portion of the 965 Elm Street property located in Concord, Massachusetts. Test pit excavation, soil sampling, and laboratory analysis activities were initiated following the preparation and submittal of an *ASTM Phase I Environmental Site Assessment* (ESA) report for the aforementioned location by Williamson Environmental, dated February 26, 2009.

The portion of the property identified as 965 Elm Street in Concord, Massachusetts (herein referred to as "the site") is limited to approximately 12.7-acres of undeveloped land located at the southern portion of a larger parcel (965 Elm Street) which includes a total of 64-acres.

The portion of the 965 Elm Street property subject to ASTM assessment activities as documented in Williamson Environmental's February 2009 ESA is currently utilized for the storage of aggregate materials generated by the Town of Concord Department of Public Works Department. In addition, a portion of the site was previously utilized by the Massachusetts Correctional Institute (MCI) Concord facility for sewage disposal as evident by the presence of several former sewage disposal lagoons. The remainder of the site consists of undeveloped woodlands and/or wetlands.

On August 4, 2009, Williamson Environmental representative Joseph Resca monitored the excavation of three (3) test pits (identified as TP-A, TP-B, and TP-C) from select locations throughout a portion of the 965 Elm Street property. The three (3) test pit locations were selected by Goldsmith, Prest & Ringwall, Inc. (GPR) representative Douglas Miller, while actual test pit excavation activities were conducted by M. Halloran & Sons, Inc. of Shirley, Massachusetts. Test pits TP-A and TP-B were excavated southwest of the six (6) former septic lagoons located on the property, while test pit TP-C was excavated along the western property line. The approximate locations of the three (3) aforementioned test pit locations are illustrated on Figure 1.

Soil observed within test pit TP-A consisted of fine- to medium-grained sand to the maximum explored depth of 15-feet below grade (bg). Ground water was encountered in test pit TP-A at a depth of approximately 15-feet bg. Soil observed within test pit TP-B consisted of topsoil and vegetation to a depth of approximately 2-feet bg, followed by fine- to medium-grained sand to the maximum explored depth of 11-feet bg. Ground water was encountered in test pit TP-B at a depth of approximately 10-feet bg. Soil observed within test pit TP-C consisted of topsoil and vegetation to a depth of approximately 2-feet bg, followed by fine- to medium-grained sand to the maximum explored depth of 16-feet bg. Ground water was encountered in test pit TP-B at a depth of approximately 16-feet bg.

One (1) soil sample was collected from each of the three (3) test pits and screened with a portable PhotovacTM photo ionization detector (PID) equipped with a 10.6 eV lamp and

calibrated to 100 parts per million volume (ppmv) isobutylene. PID screening results indicated a non-detect reading for each of the three (3) soil samples screened. The aforementioned three (3) soil samples were subsequently submitted to Spectrum Analytical, Inc. (Spectrum) of Agawam, Massachusetts for volatile organic compounds (VOCs), total petroleum hydrocarbons (TPH), polychlorinated biphenyls (PCBs), RCRA 13 metals, trivalent chromium, hexavalent chromium, and pH analyses.

The Massachusetts Contingency Plan (MCP) 310 CMR 40.0000 describes two (2) reporting categories for soil (identified as RCS-1 and RCS-2). In its current state, the reporting category that best describes soil on this portion of the 965 Elm Street property is RCS-2. However, should this

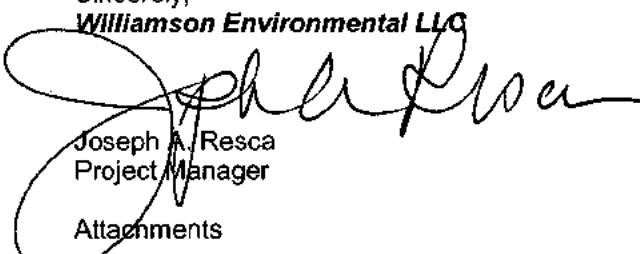
portion of the 965 Elm Street property be developed for residential usage, the reporting category would change to RCS-1.

Laboratory analytical data of the three (3) soil samples collected from the three (3) test pits (TP-A, TP-B, and TP-C) excavated in August 2009 indicated that compounds analyzed for were detected below laboratory method detection limits and RCS-1 and/or RCS-2 standards. Soil analytical results are summarized on Table 1 and a copy of the laboratory analytical report is included in Attachment A.

Following the collection of soil samples from each of the three (3) test pits (TP-a, TP-B, and TP-C), each of the aforementioned test pits were backfilled to grade.

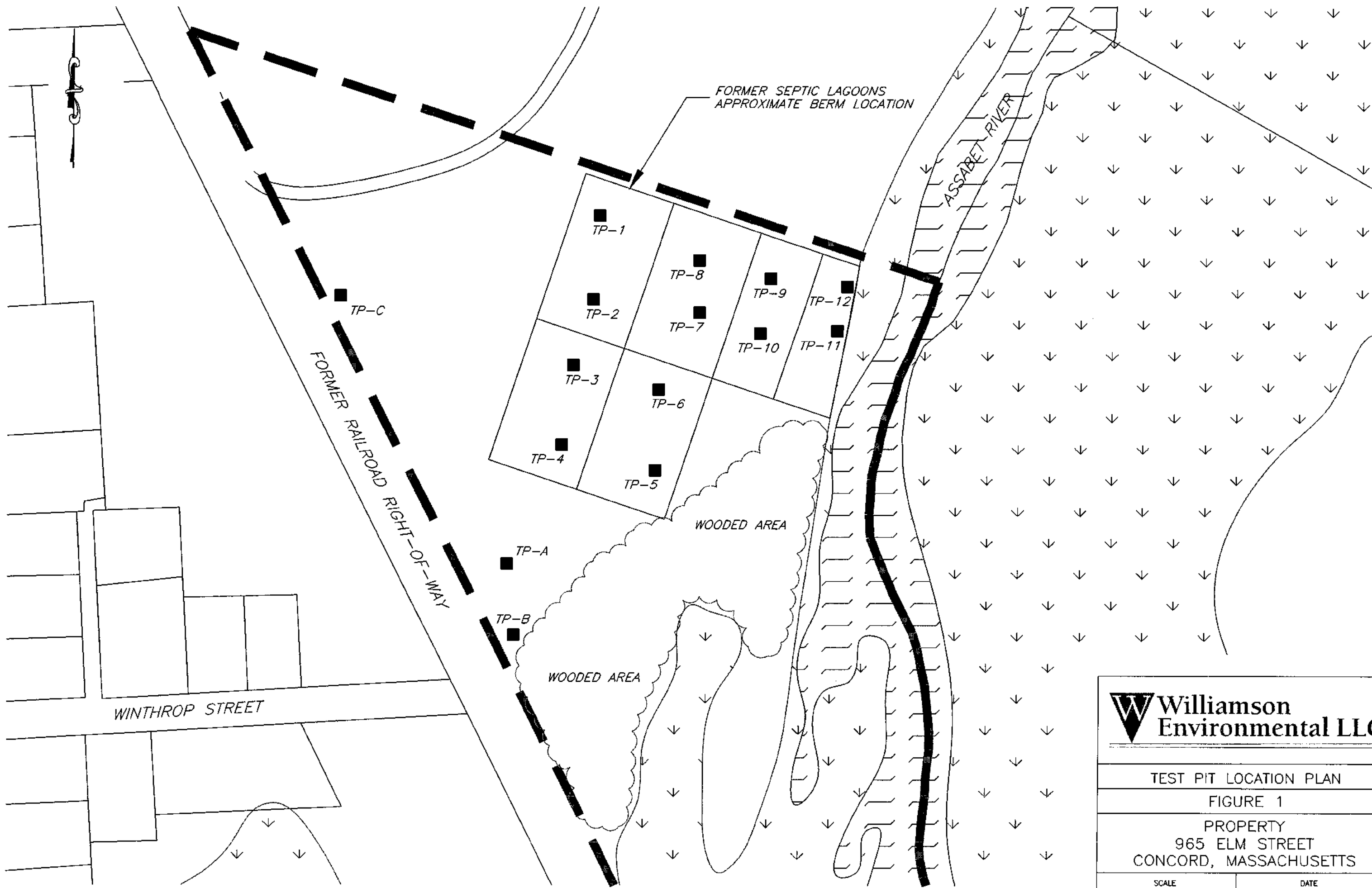
Please contact the undersigned should you have any questions or require additional information.

Sincerely,
Williamson Environmental LLC


Joseph A. Resca
Project Manager

Attachments

Figure 1	Test Pit Location Plan
Table 1	Summary of Soil Analytical Data
Attachment A	Copy of Laboratory Report





Williamson

Environmental LLC

TEST PIT LOCATION PLAN

FIGURE 1

PROPERTY

965 ELM STREET

CONCORD, MASSACHUSETTS

SCALE	DATE
1" = 100'	8/18/09

**TABLE 1
SUMMARY OF SOIL ANALYTICAL DATA**

Property
Portion of 965 Elm Street
Concord, Massachusetts

Compound	Sample Collection Date, ID, and Depth			MCP	
	August 4, 2009			Reportable Standards	
	TP-A 15'	TP-B 11'	TP-C 16'	RCS-1 (mg/kg)	RCS-2 (mg/Kg)
PID Reading (ppmv)	<1	<1	<1	NA	NA
VOC (mg/Kg)					
Benzene	<0.05	<0.05	<0.05	2	200
Toluene	<0.05	<0.05	<0.05	30	1,000
Ethylbenzene	<0.05	<0.05	<0.05	40	1,000
Total Xylenes	<0.2	<0.2	<0.2	300	300
Naphthalene	<0.05	<0.05	<0.05	4	40
n-Butylbenzene	<0.05	<0.05	<0.05	NE	NE
sec-Butylbenzene	<0.05	<0.05	<0.05	NE	NE
Chlorobenzene	<0.05	<0.05	<0.05	1	3
1,2-Dichlorobenzene	<0.05	<0.05	<0.05	9	30
1,3-Dichlorobenzene	<0.05	<0.05	<0.05	1	40
1,4-Dichlorobenzene	<0.05	<0.05	<0.05	0.7	4
1,1-Dichloroethane	<0.05	<0.05	<0.05	0.4	5
cis-1,2-Dichloroethene	<0.05	<0.05	<0.05	0.3	0.4
Isopropylbenzene	<0.05	<0.05	<0.05	1,000	10,000
4-Isopropyltoluene	<0.05	<0.05	<0.05	NE	NE
n-Propylbenzene	<0.05	<0.05	<0.05	NE	NE
Tetrachloroethene	<0.05	<0.05	<0.05	1	10
1,2,4-Trichlorobenzene	<0.05	<0.05	<0.05	2	70
1,1,1-Trichloroethane	<0.05	<0.05	<0.05	30	600
Trichloroethene	<0.05	<0.05	<0.05	0.3	2
1,2,4-Trimethylbenzene	<0.05	<0.05	<0.05	1,000	10,000
1,3,5-Trimethylbenzene	<0.05	<0.05	<0.05	10	100
PCBs (mg/Kg)					
PCB 1016	<0.02	<0.02	<0.02	2	2
PCB 1221	<0.02	<0.02	<0.02	2	2
PCB 1232	<0.02	<0.02	<0.02	2	2
PCB 1242	<0.02	<0.02	<0.02	2	2
PCB 1248	<0.02	<0.02	<0.02	2	2
PCB 1254	<0.02	<0.02	<0.02	2	2
PCB 1260	<0.02	<0.02	<0.02	2	2
PCB 1262	<0.02	<0.02	<0.02	2	2
PCB 1268	<0.02	<0.02	<0.02	2	2
TPH (mg/Kg)					
Unidentified	<0.03	<0.03	<0.03	NE	NE
Total Petroleum Hydrocarbons	<0.03	<0.03	<0.03	1,000	3,000
RCRA 13 Metals (mg/Kg)					
Silver	<1.5	<1.4	<1.3	100	200
Arsenic	8	7	7	20	20
Beryllium	<0.5	<0.5	<0.5	100	200
Cadmium	<0.5	<0.5	<0.5	2	30
Chromium	13	13	13	30	200
Copper	7	6	6	1,000	10,000
Nickel	10	9	9	20	700
Lead	5	6	4	300	300
Antimony	<5	<5	<5	20	30
Selenium	<2	<1	<1	400	800
Thallium	<3	<3	<3	8	60
Zinc	17	16	14	2,500	3,000
Mercury	<0.03	0	<0.02	20	30
General Chemistry					
Percent Solids (%)	94	93	94	NE	NE
Trivalent Chromium	13	13	13	1,000	3000
Hexavalent Chromium	<1	<1	<1	30	200
pH (pH Units)	6.2	6.1	6.0	NE	NE

Notes:

PID is photoionization detector.

ppmv is parts per million volume

VOC is volatile organic compounds.

mg/Kg is milligram per kilogram

NE is not established

Compound not listed were not detected above the laboratory reporting limit (RL).

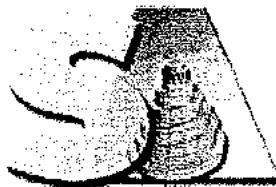
Compound detected above MCP Reportable Concentrations are highlighted and in bold.

PCBs is polychlorinated biphenyls

TPH is total petroleum hydrocarbons

ATTACHMENT A

Report Date:
19-Aug-09 13:34



SPECTRUM ANALYTICAL, INC.

Featuring

HANIBAL TECHNOLOGY

Laboratory Report

- ☒ Final Report
☐ Re-Issued Report
☐ Revised Report

RECEIVED AUG 19 2009

Williamson Environmental, LLC
280 Ayer Road
Harvard, MA 01451
Attn: Joe Resca

Project: GPR Concord - Concord, MA
Project #: [none]

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SA98808-01	TP-A 15'	Soil	05-Aug-09 08:45	05-Aug-09 15:55
SA98808-02	TP-B 11'	Soil	05-Aug-09 09:15	05-Aug-09 15:55
SA98808-03	TP-C 16'	Soil	05-Aug-09 09:40	05-Aug-09 15:55

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393



Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Technical Reviewer's Initial:

Spectrum Analytical holds certification in the State of Massachusetts for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of Massachusetts does not offer certification for all analytes.

Please note that this report contains 26 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supercedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report is available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

CASE NARRATIVE:

The samples were received 3.6 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

MADEP has published a list of analytical methods (CAM) which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of MCP decisions. "Presumptive Certainty" can be established only for those methods published by the MADEP in the MCP CAM. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method.

According to WSC-CAM 5/2004 Rev.4, Table 11 A-1, recovery for some VOC analytes have been deemed potentially difficult. Although they may still be within the recommended 70%-130% recovery range, a range has been set based on historical control limits.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 8082

Spikes:

9080529-MSD1 *Source: SA98808-01*

The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

Aroclor-1016

SW846 8260B

Laboratory Control Samples:

9080910-BSD1

The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

1,4-Dioxane

The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.

Chloromethane

Trichlorofluoromethane (Freon 11)

Samples:

S907630-CCV1

Analyte percent drift/percent difference is greater than 30%, data is accepted due to all CCC analytes passing within the 20% Drift/Difference criteria

Dichlorodifluoromethane (Freon12)

This affected the following samples:

TP-A 15'

TP-B 11'

TP-C 16'

Sample Identification

TP-A 15'

SA98808-01

Client Project #

[none]

Matrix

Soil

Collection Date/Time

05-Aug-09 08:45

Received

05-Aug-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
VOC Extraction		Field extracted		N/A		1	VOC Soil Extraction	05-Aug-09	05-Aug-09	9080305	
<u>Volatile Organic Compounds</u>											
Prepared by method SW846 5030 Soil (high level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	54.2	50	SW846 8260B	13-Aug-09	13-Aug-09	9080910	
67-64-1	Acetone	BRL		µg/kg dry	54.2	50	"	"	"	"	
107-13-1	Acrylonitrile	BRL		µg/kg dry	54.2	50	"	"	"	"	
71-43-2	Benzene	BRL		µg/kg dry	54.2	50	"	"	"	"	
108-86-1	Bromobenzene	BRL		µg/kg dry	54.2	50	"	"	"	"	
74-97-5	Bromochloromethane	BRL		µg/kg dry	54.2	50	"	"	"	"	
75-27-4	Bromodichloromethane	BRL		µg/kg dry	54.2	50	"	"	"	"	
75-25-2	Bromoform	BRL		µg/kg dry	54.2	50	"	"	"	"	
74-83-9	Bromomethane	BRL		µg/kg dry	108	50	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	54.2	50	"	"	"	"	
104-51-8	n-Butylbenzene	BRL		µg/kg dry	54.2	50	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	54.2	50	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	54.2	50	"	"	"	"	
75-15-0	Carbon disulfide	BRL		µg/kg dry	271	50	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	54.2	50	"	"	"	"	
108-90-7	Chlorobenzene	BRL		µg/kg dry	54.2	50	"	"	"	"	
75-00-3	Chloroethane	BRL		µg/kg dry	108	50	"	"	"	"	
67-66-3	Chloroform	BRL		µg/kg dry	54.2	50	"	"	"	"	
74-87-3	Chloromethane	BRL		µg/kg dry	108	50	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	54.2	50	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	54.2	50	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	108	50	"	"	"	"	
124-48-1	Dibromochloromethane	BRL		µg/kg dry	54.2	50	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	54.2	50	"	"	"	"	
74-95-3	Dibromomethane	BRL		µg/kg dry	54.2	50	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	54.2	50	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	54.2	50	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	54.2	50	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon 12)	BRL		µg/kg dry	108	50	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	54.2	50	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	54.2	50	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	54.2	50	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	54.2	50	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	54.2	50	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	54.2	50	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	54.2	50	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	54.2	50	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	54.2	50	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	54.2	50	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	54.2	50	"	"	"	"	
100-41-4	Ethylbenzene	BRL		µg/kg dry	54.2	50	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	54.2	50	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	54.2	50	"	"	"	"	
98-82-8	Isopropylbenzene	BRL		µg/kg dry	54.2	50	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	54.2	50	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	54.2	50	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	54.2	50	"	"	"	"	
75-09-2	Methylene chloride	BRL		µg/kg dry	54.2	50	"	"	"	"	
91-20-3	Naphthalene	BRL		µg/kg dry	54.2	50	"	"	"	"	

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* Reportable Detection Limit

BRL = Below Reporting Limit

Page 3 of 26

Sample Identification

TP-A 15'

SA98808-01

Client Project #

[none]

Matrix

Soil

Collection Date/Time

05-Aug-09 08:45

Received

05-Aug-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
<u>Volatile Organic Compounds</u>											
Prepared by method SW846 5030 Soil (high level)											
						Initial weight: 15.54 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	54.2	50	SW846 8260B	13-Aug-09	13-Aug-09	9080910	
100-42-5	Styrene	BRL		µg/kg dry	54.2	50	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	54.2	50	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	54.2	50	"	"	"	"	
127-18-4	Tetrachloroethene	BRL		µg/kg dry	54.2	50	"	"	"	"	
108-88-3	Toluene	BRL		µg/kg dry	54.2	50	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	54.2	50	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	54.2	50	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	54.2	50	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	54.2	50	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	54.2	50	"	"	"	"	
79-01-6	Trichloroethene	BRL		µg/kg dry	54.2	50	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	54.2	50	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	54.2	50	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	54.2	50	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	54.2	50	"	"	"	"	
75-01-4	Vinyl chloride	BRL		µg/kg dry	54.2	50	"	"	"	"	
179601-23-1	m,p-Xylene	BRL		µg/kg dry	108	50	"	"	"	"	
95-47-6	o-Xylene	BRL		µg/kg dry	54.2	50	"	"	"	"	
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	542	50	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	54.2	50	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	54.2	50	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	54.2	50	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	54.2	50	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	542	50	"	"	"	"	
123-91-1	1,4-Dioxane	BRL		µg/kg dry	1080	50	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	271	50	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	21700	50	"	"	"	"	
<u>Surrogate recoveries:</u>											
460-00-4	4-Bromofluorobenzene	92		70-130 %			"	"	"	"	
2037-26-5	Toluene-d8	79		70-130 %			"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	66		70-130 %			"	"	"	"	
1968-53-7	Dibromofluoromethane	78		70-130 %			"	"	"	"	
Semivolatile Organic Compounds by GC											
<u>Polychlorinated Biphenyls by SW846 8082</u>											
Prepared by method SW846 3545A											
12674-11-2	Aroclor-1016	BRL		µg/kg dry	21.1	1	SW846 8082	10-Aug-09	13-Aug-09	9080529	
11104-28-2	Aroclor-1221	BRL		µg/kg dry	21.1	1	"	"	"	"	
11141-16-5	Aroclor-1232	BRL		µg/kg dry	21.1	1	"	"	"	"	
53469-21-9	Aroclor-1242	BRL		µg/kg dry	21.1	1	"	"	"	"	
12672-29-6	Aroclor-1248	BRL		µg/kg dry	21.1	1	"	"	"	"	
11097-69-1	Aroclor-1254	BRL		µg/kg dry	21.1	1	"	"	"	"	
11096-82-5	Aroclor-1260	BRL		µg/kg dry	21.1	1	"	"	"	"	
37324-23-5	Aroclor-1262	BRL		µg/kg dry	21.1	1	"	"	"	"	
11100-14-4	Aroclor-1268	BRL		µg/kg dry	21.1	1	"	"	"	"	
<u>Surrogate recoveries:</u>											
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	60		30-150 %			"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	103		30-150 %			"	"	"	"	
Extractable Petroleum Hydrocarbons											

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* Reportable Detection Limit

BRL = Below Reporting Limit

Page 4 of 26

Sample IdentificationTP-A 15'
SA98808-01Client Project #

[none]

Matrix

Soil

Collection Date/Time

05-Aug-09 08:45

Received

05-Aug-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
TPH 8100 by GC											
Prepared by method SW846 3545A											
8006-61-9	Gasoline	BRL		mg/kg dry	27.9	1	+SW846 8100Mod	10-Aug-09	12-Aug-09	9080535	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	27.9	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	27.9	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	27.9	1	"	"	"	"	
M09800000	Motor Oil	BRL		mg/kg dry	27.9	1	"	"	"	"	
6032-32-4	Ligroin	BRL		mg/kg dry	27.9	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	27.9	1	"	"	"	"	
	Hydraulic Oil	BRL		mg/kg dry	27.9	1	"	"	"	"	
	Dielectric Fluid	BRL		mg/kg dry	27.9	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	27.9	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	27.9	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	27.9	1	"	"	"	"	
Surrogate recoveries:											
3386-33-2	1-Chlorooctadecane	91		40-140 %			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.48	1	SW846 6010B	12-Aug-09	14-Aug-09	9080359	
7440-38-2	Arsenic	7.93		mg/kg dry	1.48	1	"	"	"	"	
7440-41-7	Beryllium	BRL		mg/kg dry	0.495	1	"	"	"	"	
7440-43-9	Cadmium	BRL		mg/kg dry	0.495	1	"	"	"	"	
7440-47-3	Chromium	13.3		mg/kg dry	0.989	1	"	"	"	"	
7440-50-8	Copper	7.10		mg/kg dry	0.989	1	"	"	"	"	
7439-97-6	Mercury	BRL		mg/kg dry	0.0289	1	SW846 7471A	"	14-Aug-09	9080360	
7440-02-0	Nickel	9.59		mg/kg dry	0.989	1	SW846 6010B	"	14-Aug-09	9080359	
7439-92-1	Lead	4.68		mg/kg dry	1.48	1	"	"	"	"	
7440-36-0	Antimony	BRL		mg/kg dry	4.95	1	"	"	"	"	
7782-49-2	Selenium	BRL		mg/kg dry	1.48	1	"	"	"	"	
7440-28-0	Thallium	BRL		mg/kg dry	2.97	1	"	"	"	"	
7440-66-6	Zinc	17.1		mg/kg dry	0.989	1	"	"	"	"	
General Chemistry Parameters											
16065-83-1	Trivalent Chromium	13.3		mg/kg	1.00	1	Calculation	12-Aug-09	14-Aug-09	9080359	
	% Solids	94.3		%		1	SM2540 G Mod.	06-Aug-09	06-Aug-09	9080358	
18540-29-9	Hexavalent Chromium	BRL		mg/kg dry	1.02	1	SW846 7196A	17-Aug-09	18-Aug-09	9081320	
Toxicity Characteristics											
	pH	6.15	pH	pH Units		1	SW846 9045C	05-Aug-09 17:45	05-Aug-09 19:21	9080295	

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Sample Identification

TP-B 11'

SA98808-02

Client Project #

[none]

Matrix

Soil

Collection Date/Time

05-Aug-09 09:15

Received

05-Aug-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
VOC Extraction		Field extracted		N/A		1	VOC Soil Extraction	05-Aug-09	05-Aug-09	9080305	
Volatile Organic Compounds											
Prepared by method SW846 5030 Soil (high level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	56.5	50	SW846 8260B	13-Aug-09	13-Aug-09	9080910	
67-64-1	Acetone	BRL		µg/kg dry	565	50	"	"	"	"	
107-13-1	Acrylonitrile	BRL		µg/kg dry	56.5	50	"	"	"	"	
71-43-2	Benzene	BRL		µg/kg dry	56.5	50	"	"	"	"	
108-86-1	Bromobenzene	BRL		µg/kg dry	56.5	50	"	"	"	"	
74-97-5	Bromochloromethane	BRL		µg/kg dry	56.5	50	"	"	"	"	
75-27-4	Bromodichloromethane	BRL		µg/kg dry	56.5	50	"	"	"	"	
75-25-2	Bromoform	BRL		µg/kg dry	56.5	50	"	"	"	"	
74-83-9	Bromomethane	BRL		µg/kg dry	113	50	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	565	50	"	"	"	"	
104-51-8	n-Butylbenzene	BRL		µg/kg dry	56.5	50	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	56.5	50	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	56.5	50	"	"	"	"	
75-15-0	Carbon disulfide	BRL		µg/kg dry	283	50	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	56.5	50	"	"	"	"	
108-90-7	Chlorobenzene	BRL		µg/kg dry	56.5	50	"	"	"	"	
75-00-3	Chloroethane	BRL		µg/kg dry	113	50	"	"	"	"	
67-66-3	Chloroform	BRL		µg/kg dry	56.5	50	"	"	"	"	
74-87-3	Chloromethane	BRL		µg/kg dry	113	50	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	56.5	50	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	56.5	50	"	"	"	"	
96-12-6	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	113	50	"	"	"	"	
124-48-1	Dibromochloromethane	BRL		µg/kg dry	56.5	50	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	56.5	50	"	"	"	"	
74-95-3	Dibromomethane	BRL		µg/kg dry	56.5	50	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	56.5	50	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	56.5	50	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	56.5	50	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon 12)	BRL		µg/kg dry	113	50	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	56.5	50	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	56.5	50	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	56.5	50	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	56.5	50	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	56.5	50	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	56.5	50	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	56.5	50	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	56.5	50	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	56.5	50	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	56.5	50	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	56.5	50	"	"	"	"	
100-41-4	Ethylbenzene	BRL		µg/kg dry	56.5	50	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	56.5	50	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	565	50	"	"	"	"	
98-82-8	Isopropylbenzene	BRL		µg/kg dry	56.5	50	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	56.5	50	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	56.5	50	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	565	50	"	"	"	"	
75-09-2	Methylene chloride	BRL		µg/kg dry	565	50	"	"	"	"	
91-20-3	Naphthalene	BRL		µg/kg dry	56.5	50	"	"	"	"	

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Sample Identification

TP-B 11'

SA98808-02

Client Project #

[none]

Matrix

Soil

Collection Date/Time

05-Aug-09 09:15

Received

05-Aug-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5030 Soil (high level)											
						Initial weight: 15.27 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	56.5	50	SW846 8260B	13-Aug-09	13-Aug-09	9080910	
100-42-5	Styrene	BRL		µg/kg dry	56.5	50	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	56.5	50	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	56.5	50	"	"	"	"	
127-18-4	Tetrachloroethene	BRL		µg/kg dry	56.5	50	"	"	"	"	
108-88-3	Toluene	BRL		µg/kg dry	56.5	50	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	56.5	50	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	56.5	50	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	56.5	50	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	56.5	50	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	56.5	50	"	"	"	"	
79-01-6	Trichloroethene	BRL		µg/kg dry	56.5	50	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	56.5	50	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	56.5	50	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	56.5	50	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	56.5	50	"	"	"	"	
75-01-4	Vinyl chloride	BRL		µg/kg dry	56.5	50	"	"	"	"	
179601-23-1	m,p-Xylene	BRL		µg/kg dry	113	50	"	"	"	"	
95-47-6	o-Xylene	BRL		µg/kg dry	56.5	50	"	"	"	"	
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	56.5	50	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	56.5	50	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	56.5	50	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	56.5	50	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	56.5	50	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	56.5	50	"	"	"	"	
123-91-1	1,4-Dioxane	BRL		µg/kg dry	1130	50	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	283	50	"	"	"	"	
64-17-5	Ethanol	BRL		µg/kg dry	22600	50	"	"	"	"	

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	89	70-130 %	"	"	"	"
2037-26-5	Toluene-d8	77	70-130 %	"	"	"	"
17060-07-0	1,2-Dichloroethane-d4	85	70-130 %	"	"	"	"
1663-53-7	Dibromofluoromethane	79	70-130 %	"	"	"	"

Semivolatile Organic Compounds by GCPolychlorinated Biphenyls by SW846 8082

Prepared by method SW846 3545A

12674-11-2	Aroclor-1016	BRL		µg/kg dry	20.9	1	SW846 8082	10-Aug-09	13-Aug-09	9080529	
11104-28-2	Aroclor-1221	BRL		µg/kg dry	20.9	1	"	"	"	"	
11141-16-5	Aroclor-1232	BRL		µg/kg dry	20.9	1	"	"	"	"	
53469-21-9	Aroclor-1242	BRL		µg/kg dry	20.9	1	"	"	"	"	
12672-29-8	Aroclor-1248	BRL		µg/kg dry	20.9	1	"	"	"	"	
11097-69-1	Aroclor-1254	BRL		µg/kg dry	20.9	1	"	"	"	"	
11096-82-5	Aroclor-1260	BRL		µg/kg dry	20.9	1	"	"	"	"	
37324-23-5	Aroclor-1262	BRL		µg/kg dry	20.9	1	"	"	"	"	
11100-14-4	Aroclor-1268	BRL		µg/kg dry	20.9	1	"	"	"	"	

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	59	30-150 %	"	"	"	"
2051-24-3	Decachlorobiphenyl (Sr)	84	30-150 %	"	"	"	"

Extractable Petroleum Hydrocarbons

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Sample Identification

TP-B 11'

SA98808-02

Client Project #

[none]

Matrix

Soil

Collection Date/Time

05-Aug-09 09:15

Received

05-Aug-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
<u>TPH 8100 by GC</u>											
Prepared by method SW846 3545A											
8006-61-9	Gasoline	BRL		mg/kg dry	27.8	1	+SW846 8100Mod.	10-Aug-09	12-Aug-09	9080535	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	27.8	1	"	"	"	"	
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	27.8	1	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	27.8	1	"	"	"	"	
M098000000	Motor Oil	BRL		mg/kg dry	27.8	1	"	"	"	"	
8032-32-4	Ligroin	BRL		mg/kg dry	27.8	1	"	"	"	"	
J00100000	Aviation Fuel	BRL		mg/kg dry	27.8	1	"	"	"	"	
	Hydraulic Oil	BRL		mg/kg dry	27.8	1	"	"	"	"	
	Dielectric Fluid	BRL		mg/kg dry	27.8	1	"	"	"	"	
	Unidentified	BRL		mg/kg dry	27.8	1	"	"	"	"	
	Other Oil	BRL		mg/kg dry	27.8	1	"	"	"	"	
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	27.8	1	"	"	"	"	
<u>Surrogate recoveries:</u>											
3386-33-2	1-Chlorooctadecane	97		40-140 %			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.36	1	SW846 6010B	12-Aug-09	14-Aug-09	9080359	
7440-38-2	Arsenic	7.23		mg/kg dry	1.36	1	"	"	"	"	
7440-41-7	Beryllium	BRL		mg/kg dry	0.454	1	"	"	"	"	
7440-43-9	Cadmium	BRL		mg/kg dry	0.454	1	"	"	"	"	
7440-47-3	Chromium	13.2		mg/kg dry	0.908	1	"	"	"	"	
7440-50-8	Copper	5.51		mg/kg dry	0.908	1	"	"	"	"	
7439-97-6	Mercury	0.0518		mg/kg dry	0.0308	1	SW846 7471A	"	14-Aug-09	9080360	
7440-02-0	Nickel	9.07		mg/kg dry	0.908	1	SW846 6010B	"	14-Aug-09	9080359	
7439-92-1	Lead	5.81		mg/kg dry	1.36	1	"	"	"	"	
7440-36-0	Antimony	BRL		mg/kg dry	4.54	1	"	"	"	"	
7782-49-2	Selenium	BRL		mg/kg dry	1.36	1	"	"	"	"	
7440-28-0	Thallium	BRL		mg/kg dry	2.72	1	"	"	"	"	
7440-66-6	Zinc	15.5		mg/kg dry	0.908	1	"	"	"	"	
General Chemistry Parameters											
16065-83-1	Trivalent Chromium	13.2		mg/kg	1.00	1	Calculation	12-Aug-09	14-Aug-09	9080359	
	% Solids	93.1		%		1	SM2540 G Mod.	06-Aug-09	06-Aug-09	9080358	
18540-29-9	Hexavalent Chromium	BRL		mg/kg dry	0.926	1	SW846 7196A	17-Aug-09	18-Aug-09	9081320	
Toxicity Characteristics											
	pH	6.18	pH	pH Units		1	SW846 9045C	05-Aug-09 17:45	05-Aug-09 19:25	9080295	

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Sample IdentificationTP-C 16'
SA98808-03Client Project #
[none]Matrix
SoilCollection Date/Time
05-Aug-09 09:40Received
05-Aug-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
VOC Extraction		Field extracted		N/A		1	VOC Soil Extraction	05-Aug-09	05-Aug-09	9080305	
<u>Volatile Organic Compounds</u>											
Prepared by method SW846 5030 Soil (high level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	50.9	50	SW846 8260B	13-Aug-09	13-Aug-09	9080910	
67-64-1	Acetone	BRL		µg/kg dry	50.9	50	"	"	"	"	
107-13-1	Acrylonitrile	BRL		µg/kg dry	50.9	50	"	"	"	"	
71-43-2	Benzene	BRL		µg/kg dry	50.9	50	"	"	"	"	
108-86-1	Bromobenzene	BRL		µg/kg dry	50.9	50	"	"	"	"	
74-97-5	Bromochloromethane	BRL		µg/kg dry	50.9	50	"	"	"	"	
75-27-4	Bromodichloromethane	BRL		µg/kg dry	50.9	50	"	"	"	"	
75-25-2	Bromoform	BRL		µg/kg dry	50.9	50	"	"	"	"	
74-83-9	Bromomethane	BRL		µg/kg dry	102	50	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	50.9	50	"	"	"	"	
104-51-8	n-Butylbenzene	BRL		µg/kg dry	50.9	50	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	50.9	50	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	50.9	50	"	"	"	"	
75-15-0	Carbon disulfide	BRL		µg/kg dry	254	50	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	50.9	50	"	"	"	"	
108-90-7	Chlorobenzene	BRL		µg/kg dry	50.9	50	"	"	"	"	
75-00-3	Chloroethane	BRL		µg/kg dry	102	50	"	"	"	"	
67-66-3	Chloroform	BRL		µg/kg dry	50.9	50	"	"	"	"	
74-87-3	Chloromethane	BRL		µg/kg dry	102	50	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	50.9	50	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	50.9	50	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	102	50	"	"	"	"	
124-48-1	Dibromochloromethane	BRL		µg/kg dry	50.9	50	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	50.9	50	"	"	"	"	
74-95-3	Dibromomethane	BRL		µg/kg dry	50.9	50	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	50.9	50	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	50.9	50	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	50.9	50	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon 12)	BRL		µg/kg dry	102	50	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	50.9	50	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	50.9	50	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	50.9	50	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	50.9	50	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	50.9	50	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	50.9	50	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	50.9	50	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	50.9	50	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	50.9	50	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	50.9	50	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	50.9	50	"	"	"	"	
100-41-4	Ethylbenzene	BRL		µg/kg dry	50.9	50	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	50.9	50	"	"	"	"	
591-78-8	2-Hexanone (MBK)	BRL		µg/kg dry	50.9	50	"	"	"	"	
98-82-8	Isopropylbenzene	BRL		µg/kg dry	50.9	50	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	50.9	50	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	50.9	50	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	50.9	50	"	"	"	"	
75-09-2	Methylene chloride	BRL		µg/kg dry	50.9	50	"	"	"	"	
91-20-3	Naphthalene	BRL		µg/kg dry	50.9	50	"	"	"	"	

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* Reportable Detection Limit

BRL = Below Reporting Limit

Sample Identification

TP-C 16'

SA98808-03

Client Project #

[none]

Matrix

Soil

Collection Date/Time

05-Aug-09 09:40

Received

05-Aug-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Volatile Organic Compounds											
<u>Volatile Organic Compounds</u>											
Prepared by method SW846 5030 Soil (high level)											
						Initial weight: 16.84 g					
103-65-1	n-Propylbenzene	BRL		µg/kg dry	50.9	50	SW846 8260B	13-Aug-09	13-Aug-09	9080910	
100-42-5	Styrene	BRL		µg/kg dry	50.9	50	"	"	"	"	"
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	50.9	50	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	50.9	50	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL		µg/kg dry	50.9	50	"	"	"	"	"
108-88-3	Toluene	BRL		µg/kg dry	50.9	50	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	50.9	50	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	50.9	50	"	"	"	"	"
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	50.9	50	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	50.9	50	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	50.9	50	"	"	"	"	"
79-01-6	Trichloroethene	BRL		µg/kg dry	50.9	50	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	50.9	50	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	50.9	50	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	50.9	50	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	50.9	50	"	"	"	"	"
75-01-4	Vinyl chloride	BRL		µg/kg dry	50.9	50	"	"	"	"	"
179601-23-1	m,p-Xylene	BRL		µg/kg dry	102	50	"	"	"	"	"
95-47-6	o-Xylene	BRL		µg/kg dry	50.9	50	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	509	50	"	"	"	"	"
60-29-7	Ethyl ether	BRL		µg/kg dry	50.9	50	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	50.9	50	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	50.9	50	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	50.9	50	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	509	50	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL		µg/kg dry	1020	50	"	"	"	"	"
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	254	50	"	"	"	"	"
64-17-5	Ethanol	BRL		µg/kg dry	20400	50	"	"	"	"	"
<u>Surrogate recoveries:</u>											
460-00-4	4-Bromofluorobenzene	95		70-130 %			"	"	"	"	"
2037-26-5	Toluene-d8	77		70-130 %			"	"	"	"	"
17060-07-0	1,2-Dichloroethane-d4	86		70-130 %			"	"	"	"	"
1868-53-7	Dibromofluoromethane	80		70-130 %			"	"	"	"	"
Semivolatile Organic Compounds by GC											
<u>Polychlorinated Biphenyls by SW846 8082</u>											
Prepared by method SW846 3545A											
12674-11-2	Aroclor-1016	BRL		µg/kg dry	20.5	1	SW846 8082	10-Aug-09	13-Aug-09	9080529	
11104-28-2	Aroclor-1221	BRL		µg/kg dry	20.5	1	"	"	"	"	"
11141-16-5	Aroclor-1232	BRL		µg/kg dry	20.5	1	"	"	"	"	"
53469-21-9	Aroclor-1242	BRL		µg/kg dry	20.5	1	"	"	"	"	"
12672-29-6	Aroclor-1248	BRL		µg/kg dry	20.5	1	"	"	"	"	"
11097-69-1	Aroclor-1254	BRL		µg/kg dry	20.5	1	"	"	"	"	"
11096-82-5	Aroclor-1260	BRL		µg/kg dry	20.5	1	"	"	"	"	"
37324-23-5	Aroclor-1262	BRL		µg/kg dry	20.5	1	"	"	"	"	"
11100-14-4	Aroclor-1268	BRL		µg/kg dry	20.5	1	"	"	"	"	"
<u>Surrogate recoveries:</u>											
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	52		30-150 %			"	"	"	"	"
2051-24-3	Decachlorobiphenyl (Sr)	76		30-150 %			"	"	"	"	"
Extractable Petroleum Hydrocarbons											

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* Reportable Detection Limit

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Sample Identification

TP-C 16'

SA98808-03

Client Project #

[none]

Matrix

Soil

Collection Date/Time

05-Aug-09 09:40

Received

05-Aug-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Extractable Petroleum Hydrocarbons											
TPH 8100 by GC											
Prepared by method SW846 3545A											
8006-61-9	Gasoline	BRL		mg/kg dry	27.4	1	+SW846 8100Mod.	10-Aug-09	12-Aug-09	9080535	
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	27.4	1	"	"	"	"	"
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	27.4	1	"	"	"	"	"
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	27.4	1	"	"	"	"	"
M09300000	Motor Oil	BRL		mg/kg dry	27.4	1	"	"	"	"	"
8032-32-4	Ligroin	BRL		mg/kg dry	27.4	1	"	"	"	"	"
J00100000	Aviation Fuel	BRL		mg/kg dry	27.4	1	"	"	"	"	"
	Hydraulic Oil	BRL		mg/kg dry	27.4	1	"	"	"	"	"
	Dielectric Fluid	BRL		mg/kg dry	27.4	1	"	"	"	"	"
	Unidentified	BRL		mg/kg dry	27.4	1	"	"	"	"	"
	Other Oil	BRL		mg/kg dry	27.4	1	"	"	"	"	"
	Total Petroleum Hydrocarbons	BRL		mg/kg dry	27.4	1	"	"	"	"	"
Surrogate recoveries:											
3386-33-2	1-Chlorooctadecane	84		40-140 %			"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/kg dry	1.33	1	SW846 6010B	12-Aug-09	14-Aug-09	9080359	
7440-38-2	Arsenic	6.97		mg/kg dry	1.33	1	"	"	"	"	"
7440-41-7	Beryllium	BRL		mg/kg dry	0.445	1	"	"	"	"	"
7440-43-9	Cadmium	BRL		mg/kg dry	0.445	1	"	"	"	"	"
7440-47-3	Chromium	12.6		mg/kg dry	0.890	1	"	"	"	"	"
7440-50-8	Copper	5.78		mg/kg dry	0.890	1	"	"	"	"	"
7439-97-6	Mercury	BRL		mg/kg dry	0.0284	1	SW846 7471A	"	14-Aug-09	9080360	
7440-02-0	Nickel	8.80		mg/kg dry	0.890	1	SW846 6010B	"	14-Aug-09	9080359	
7439-92-1	Lead	3.61		mg/kg dry	1.33	1	"	"	"	"	"
7440-36-0	Antimony	BRL		mg/kg dry	4.45	1	"	"	"	"	"
7782-49-2	Selenium	BRL		mg/kg dry	1.33	1	"	"	"	"	"
7440-28-0	Thallium	BRL		mg/kg dry	2.67	1	"	"	"	"	"
7440-66-6	Zinc	13.7		mg/kg dry	0.890	1	"	"	"	"	"
General Chemistry Parameters											
16065-83-1	Trivalent Chromium	12.6		mg/kg	1.00	1	Calculation	12-Aug-09	14-Aug-09	9080359	
	% Solids	93.7		%		1	SM2540 G Mod	06-Aug-09	06-Aug-09	9080358	
18540-29-9	Hexavalent Chromium	BRL		mg/kg dry	1.04	1	SW846 7196A	17-Aug-09	18-Aug-09	9081297	
Toxicity Characteristics											
	pH	6.06	pH	pH Units		1	SW846 9045C	05-Aug-09 17:45	05-Aug-09 19:28	9080295	

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC Limits	RPD	RPD Limit
Batch 9080910 - SW846 5030 Soil (high level)									
Blank (9080910-BLK1)									
Prepared & Analyzed: 13-Aug-09									
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	1.0					
Acetone	BRL		µg/kg wet	10.0					
Acrylonitrile	BRL		µg/kg wet	1.0					
Benzene	BRL		µg/kg wet	1.0					
Bromobenzene	BRL		µg/kg wet	1.0					
Bromochloromethane	BRL		µg/kg wet	1.0					
Bromodichloromethane	BRL		µg/kg wet	1.0					
Bromoform	BRL		µg/kg wet	1.0					
Bromomethane	BRL		µg/kg wet	2.0					
2-Butanone (MEK)	BRL		µg/kg wet	10.0					
n-Butylbenzene	BRL		µg/kg wet	1.0					
sec-Butylbenzene	BRL		µg/kg wet	1.0					
tert-Butylbenzene	BRL		µg/kg wet	1.0					
Carbon disulfide	BRL		µg/kg wet	5.0					
Carbon tetrachloride	BRL		µg/kg wet	1.0					
Chlorobenzene	BRL		µg/kg wet	1.0					
Chloroethane	BRL		µg/kg wet	2.0					
Chloroform	BRL		µg/kg wet	1.0					
Chloromethane	BRL		µg/kg wet	2.0					
2-Chlorotoluene	BRL		µg/kg wet	1.0					
4-Chlorotoluene	BRL		µg/kg wet	1.0					
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	2.0					
Dibromochloromethane	BRL		µg/kg wet	1.0					
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	1.0					
Dibromomethane	BRL		µg/kg wet	1.0					
1,2-Dichlorobenzene	BRL		µg/kg wet	1.0					
1,3-Dichlorobenzene	BRL		µg/kg wet	1.0					
1,4-Dichlorobenzene	BRL		µg/kg wet	1.0					
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	2.0					
1,1-Dichloroethane	BRL		µg/kg wet	1.0					
1,2-Dichloroethane	BRL		µg/kg wet	1.0					
1,1-Dichloroethene	BRL		µg/kg wet	1.0					
cis-1,2-Dichloroethene	BRL		µg/kg wet	1.0					
trans-1,2-Dichloroethene	BRL		µg/kg wet	1.0					
1,2-Dichloropropane	BRL		µg/kg wet	1.0					
1,3-Dichloropropane	BRL		µg/kg wet	1.0					
2,2-Dichloropropane	BRL		µg/kg wet	1.0					
1,1-Dichloropropene	BRL		µg/kg wet	1.0					
cis-1,3-Dichloropropene	BRL		µg/kg wet	1.0					
trans-1,3-Dichloropropene	BRL		µg/kg wet	1.0					
Ethylbenzene	BRL		µg/kg wet	1.0					
Hexachlorobutadiene	BRL		µg/kg wet	1.0					
2-Hexanone (MBK)	BRL		µg/kg wet	10.0					
Isopropylbenzene	BRL		µg/kg wet	1.0					
4-Isopropyltoluene	BRL		µg/kg wet	1.0					
Methyl tert-butyl ether	BRL		µg/kg wet	1.0					
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	10.0					
Methylene chloride	BRL		µg/kg wet	10.0					
Naphthalene	BRL		µg/kg wet	1.0					

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9080910 - SW846 5030 Soil (high level)										
<u>Blank (9080910-BLK1)</u>										
Prepared & Analyzed: 13-Aug-09										
n-Propylbenzene	BRL		µg/kg wet	1.0						
Styrene	BRL		µg/kg wet	1.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	1.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	1.0						
Tetrachloroethene	BRL		µg/kg wet	1.0						
Toluene	BRL		µg/kg wet	1.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	1.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	1.0						
Trichloroethene	BRL		µg/kg wet	1.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	1.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	1.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	1.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	1.0						
Vinyl chloride	BRL		µg/kg wet	1.0						
m,p-Xylene	BRL		µg/kg wet	2.0						
o-Xylene	BRL		µg/kg wet	1.0						
Tetrahydrofuran	BRL		µg/kg wet	10.0						
Ethyl ether	BRL		µg/kg wet	1.0						
Tert-amyl methyl ether	BRL		µg/kg wet	1.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	1.0						
Di-isopropyl ether	BRL		µg/kg wet	1.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	10.0						
1,4-Dioxane	BRL		µg/kg wet	20.0						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	5.0						
Ethanol	BRL		µg/kg wet	400						
Surrogate: 4-Bromofluorobenzene	28.5		µg/kg wet		30.0		95	70-130		
Surrogate: Toluene-d8	30.9		µg/kg wet		30.0		103	70-130		
Surrogate: 1,2-Dichloroethane-d4	27.2		µg/kg wet		30.0		91	70-130		
Surrogate: Dibromofluoromethane	27.7		µg/kg wet		30.0		92	70-130		
<u>LCS (9080910-B51)</u>										
Prepared & Analyzed: 13-Aug-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	18.4		µg/kg wet		20.0		92	70-130		
Acetone	16.7		µg/kg wet		20.0		84	40-136		
Acrylonitrile	22.2		µg/kg wet		20.0		111	70-130		
Benzene	20.4		µg/kg wet		20.0		102	70-130		
Bromobenzene	23.3		µg/kg wet		20.0		116	70-130		
Bromochloromethane	21.2		µg/kg wet		20.0		106	70-130		
Bromodichloromethane	24.1		µg/kg wet		20.0		120	70-130		
Bromoform	19.8		µg/kg wet		20.0		99	70-130		
Bromomethane	19.4		µg/kg wet		20.0		97	61-151		
2-Butanone (MEK)	22.6		µg/kg wet		20.0		113	61.5-132		
n-Butylbenzene	19.7		µg/kg wet		20.0		99	70-130		
sec-Butylbenzene	22.8		µg/kg wet		20.0		114	70-130		
tert-Butylbenzene	22.5		µg/kg wet		20.0		113	70-130		
Carbon disulfide	21.4		µg/kg wet		20.0		107	70-130		
Carbon tetrachloride	18.1		µg/kg wet		20.0		90	70-130		
Chlorobenzene	23.1		µg/kg wet		20.0		115	70-130		

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* Reportable Detection Limit

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9080910 - SW846 5030 Soil (high level)										
<u>LCS (9080910-BS1)</u>										
Prepared & Analyzed: 13-Aug-09										
Chloroethane	17.0		µg/kg wet		20.0		85	66-130		
Chloroform	20.2		µg/kg wet		20.0		101	70-130		
Chloromethane	15.8		µg/kg wet		20.0		79	70-130		
2-Chlorotoluene	24.6		µg/kg wet		20.0		123	70-130		
4-Chlorotoluene	24.0		µg/kg wet		20.0		120	70-130		
1,2-Dibromo-3-chloropropane	18.0		µg/kg wet		20.0		90	70-130		
Dibromochloromethane	23.1		µg/kg wet		20.0		116	64.6-130		
1,2-Dibromoethane (EDB)	23.7		µg/kg wet		20.0		118	70-130		
Dibromomethane	21.5		µg/kg wet		20.0		107	70-130		
1,2-Dichlorobenzene	24.5		µg/kg wet		20.0		123	70-130		
1,3-Dichlorobenzene	23.6		µg/kg wet		20.0		118	70-130		
1,4-Dichlorobenzene	21.5		µg/kg wet		20.0		107	70-130		
Dichlorodifluoromethane (Freon12)	12.8		µg/kg wet		20.0		64	51.9-130		
1,1-Dichloroethane	20.4		µg/kg wet		20.0		102	70-130		
1,2-Dichloroethane	20.0		µg/kg wet		20.0		100	70-130		
1,1-Dichloroethene	19.2		µg/kg wet		20.0		96	70-130		
cis-1,2-Dichloroethene	22.0		µg/kg wet		20.0		110	70-130		
trans-1,2-Dichloroethene	19.0		µg/kg wet		20.0		95	70-130		
1,2-Dichloropropane	23.3		µg/kg wet		20.0		116	70-130		
1,3-Dichloropropane	21.6		µg/kg wet		20.0		108	70-130		
2,2-Dichloropropane	18.9		µg/kg wet		20.0		94	70-130		
1,1-Dichloropropene	20.0		µg/kg wet		20.0		100	70-130		
cis-1,3-Dichloropropene	19.6		µg/kg wet		20.0		98	70-130		
trans-1,3-Dichloropropene	18.3		µg/kg wet		20.0		92	70-130		
Ethylbenzene	23.6		µg/kg wet		20.0		118	70-130		
Hexachlorobutadiene	20.8		µg/kg wet		20.0		104	70-133		
2-Hexanone (MBK)	17.9		µg/kg wet		20.0		90	70-130		
Isopropylbenzene	19.4		µg/kg wet		20.0		97	70-130		
4-Isopropyltoluene	20.7		µg/kg wet		20.0		103	70-130		
Methyl tert-butyl ether	20.3		µg/kg wet		20.0		102	70-130		
4-Methyl-2-pentanone (MIBK)	22.3		µg/kg wet		20.0		112	50.3-133		
Methylene chloride	18.6		µg/kg wet		20.0		93	70-130		
Naphthalene	18.7		µg/kg wet		20.0		94	70-130		
n-Propylbenzene	21.2		µg/kg wet		20.0		106	70-130		
Styrene	22.0		µg/kg wet		20.0		110	70-130		
1,1,1,2-Tetrachloroethane	22.4		µg/kg wet		20.0		112	70-130		
1,1,2,2-Tetrachloroethane	21.3		µg/kg wet		20.0		106	70-130		
Tetrachloroethene	22.6		µg/kg wet		20.0		113	70-130		
Toluene	22.8		µg/kg wet		20.0		114	70-130		
1,2,3-Trichlorobenzene	20.9		µg/kg wet		20.0		105	70-130		
1,2,4-Trichlorobenzene	18.8		µg/kg wet		20.0		94	70-130		
1,3,5-Trichlorobenzene	23.6		µg/kg wet		20.0		118	70-130		
1,1,1-Trichloroethane	18.9		µg/kg wet		20.0		94	70-130		
1,1,2-Trichloroethane	23.3		µg/kg wet		20.0		117	70-130		
Trichloroethene	23.3		µg/kg wet		20.0		117	70-130		
Trichlorofluoromethane (Freon 11)	16.8		µg/kg wet		20.0		84	70-147		
1,2,3-Trichloropropane	22.4		µg/kg wet		20.0		112	70-130		
1,2,4-Trimethylbenzene	22.8		µg/kg wet		20.0		114	70-130		
1,3,5-Trimethylbenzene	22.6		µg/kg wet		20.0		113	70-130		

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9080910 - SW846 5030 Soil (high level)										
<u>LCS (9080910-BSD1)</u>										
Prepared & Analyzed: 13-Aug-09										
Vinyl chloride	19.8		µg/kg wet		20.0		99	70-130		
m,p-Xylene	47.5		µg/kg wet		40.0		119	70-130		
o-Xylene	24.9		µg/kg wet		20.0		125	70-130		
Tetrahydrofuran	22.5		µg/kg wet		20.0		112	70-130		
Ethyl ether	20.6		µg/kg wet		20.0		103	70-130		
Tert-amyl methyl ether	21.6		µg/kg wet		20.0		108	70-130		
Ethyl tert-butyl ether	20.3		µg/kg wet		20.0		101	70-130		
Di-isopropyl ether	20.4		µg/kg wet		20.0		102	70-130		
Tert-Butanol / butyl alcohol	205		µg/kg wet		200		102	70-130		
1,4-Dioxane	213		µg/kg wet		200		107	60-146		
trans-1,4-Dichloro-2-butene	18.5		µg/kg wet		20.0		93	70-130		
Ethanol	439		µg/kg wet		400		110	70-130		
Surrogate: 4-Bromofluorobenzene	30.6		µg/kg wet		30.0		102	70-130		
Surrogate: Toluene-d8	33.0		µg/kg wet		30.0		110	70-130		
Surrogate: 1,2-Dichloroethane-d4	27.4		µg/kg wet		30.0		91	70-130		
Surrogate: Dibromofluoromethane	28.1		µg/kg wet		30.0		94	70-130		
<u>LCS Dup (9080910-BSD1)</u>										
Prepared & Analyzed: 13-Aug-09										
1,1,2-Trichlorotrifluoroethane (Freon 113)	15.2		µg/kg wet		20.0		76	70-130	19	25
Acetone	12.0		µg/kg wet		20.0		60	40-136	33	50
Acrylonitrile	17.4		µg/kg wet		20.0		87	70-130	24	25
Benzene	16.6		µg/kg wet		20.0		83	70-130	21	25
Bromobenzene	22.5		µg/kg wet		20.0		113	70-130	3	25
Bromochloromethane	17.1		µg/kg wet		20.0		86	70-130	21	25
Bromodichloromethane	19.6		µg/kg wet		20.0		98	70-130	20	25
Bromoform	19.8		µg/kg wet		20.0		99	70-130	0.05	25
Bromomethane	15.4		µg/kg wet		20.0		77	61-151	23	50
2-Butanone (MEK)	19.4		µg/kg wet		20.0		97	61.5-132	15	50
n-Butylbenzene	18.4		µg/kg wet		20.0		92	70-130	7	25
sec-Butylbenzene	22.2		µg/kg wet		20.0		111	70-130	3	25
tert-Butylbenzene	22.2		µg/kg wet		20.0		111	70-130	1	25
Carbon disulfide	17.0		µg/kg wet		20.0		85	70-130	23	25
Carbon tetrachloride	14.3		µg/kg wet		20.0		71	70-130	23	25
Chlorobenzene	21.8		µg/kg wet		20.0		109	70-130	6	25
Chloroethane	13.3		µg/kg wet		20.0		67	66-130	24	50
Chloroform	16.3		µg/kg wet		20.0		81	70-130	22	25
Chloromethane	13.1	QM9	µg/kg wet		20.0		65	70-130	19	25
2-Chlorotoluene	25.6		µg/kg wet		20.0		128	70-130	4	25
4-Chlorotoluene	24.5		µg/kg wet		20.0		122	70-130	2	25
1,2-Dibromo-3-chloropropane	17.7		µg/kg wet		20.0		88	70-130	2	25
Dibromochloromethane	18.3		µg/kg wet		20.0		91	64.6-130	23	50
1,2-Dibromoethane (EDB)	18.9		µg/kg wet		20.0		94	70-130	22	25
Dibromomethane	17.6		µg/kg wet		20.0		88	70-130	20	25
1,2-Dichlorobenzene	22.9		µg/kg wet		20.0		114	70-130	7	25
1,3-Dichlorobenzene	23.8		µg/kg wet		20.0		119	70-130	0.8	25
1,4-Dichlorobenzene	20.9		µg/kg wet		20.0		104	70-130	3	25
Dichlorodifluoromethane (Freon12)	10.7		µg/kg wet		20.0		53	51.9-130	18	50
1,1-Dichloroethane	16.4		µg/kg wet		20.0		82	70-130	21	25
1,2-Dichloroethane	15.9		µg/kg wet		20.0		79	70-130	23	25
1,1-Dichloroethene	15.3		µg/kg wet		20.0		77	70-130	23	25

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* Reportable Detection Limit

BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9080910 - SW846 5030 Soil (high level)										
<u>LCS Dup (9080910-BSD1)</u>										
Prepared & Analyzed: 13-Aug-09										
cis-1,2-Dichloroethene	17.6		µg/kg wet		20.0		89	70-130	22	25
trans-1,2-Dichloroethene	15.3		µg/kg wet		20.0		77	70-130	21	25
1,2-Dichloropropane	18.7		µg/kg wet		20.0		93	70-130	22	25
1,3-Dichloropropane	17.7		µg/kg wet		20.0		88	70-130	20	25
2,2-Dichloropropane	15.5		µg/kg wet		20.0		77	70-130	20	25
1,1-Dichloropropane	16.3		µg/kg wet		20.0		81	70-130	20	25
cis-1,3-Dichloropropene	15.7		µg/kg wet		20.0		79	70-130	22	25
trans-1,3-Dichloropropene	15.2		µg/kg wet		20.0		76	70-130	19	25
Ethylbenzene	23.4		µg/kg wet		20.0		117	70-130	1	25
Hexachlorobutadiene	20.0		µg/kg wet		20.0		100	70-133	4	50
2-Hexanone (MBK)	16.1		µg/kg wet		20.0		80	70-130	11	25
Isopropylbenzene	19.4		µg/kg wet		20.0		97	70-130	0.1	25
4-Isopropyltoluene	19.1		µg/kg wet		20.0		95	70-130	8	25
Methyl tert-butyl ether	16.6		µg/kg wet		20.0		83	70-130	20	25
4-Methyl-2-pentanone (MIBK)	18.6		µg/kg wet		20.0		93	50.3-133	18	50
Methylene chloride	14.9		µg/kg wet		20.0		74	70-130	22	25
Naphthalene	17.0		µg/kg wet		20.0		85	70-130	10	25
n-Propylbenzene	20.2		µg/kg wet		20.0		101	70-130	5	25
Styrene	21.6		µg/kg wet		20.0		108	70-130	2	25
1,1,1,2-Tetrachloroethane	21.6		µg/kg wet		20.0		108	70-130	4	25
1,1,2,2-Tetrachloroethane	20.8		µg/kg wet		20.0		104	70-130	2	25
Tetrachloroethene	18.0		µg/kg wet		20.0		90	70-130	23	25
Toluene	17.8		µg/kg wet		20.0		89	70-130	25	25
1,2,3-Trichlorobenzene	20.6		µg/kg wet		20.0		103	70-130	1	25
1,2,4-Trichlorobenzene	18.2		µg/kg wet		20.0		91	70-130	3	25
1,3,5-Trichlorobenzene	22.0		µg/kg wet		20.0		110	70-130	7	25
1,1,1-Trichloroethane	15.4		µg/kg wet		20.0		77	70-130	20	25
1,1,2-Trichloroethane	18.7		µg/kg wet		20.0		94	70-130	22	25
Trichloroethene	18.8		µg/kg wet		20.0		94	70-130	22	25
Trichlorofluoromethane (Freon 11)	13.7	QM9	µg/kg wet		20.0		69	70-147	20	50
1,2,3-Trichloropropane	22.1		µg/kg wet		20.0		111	70-130	1	25
1,2,4-Trimethylbenzene	22.2		µg/kg wet		20.0		111	70-130	3	25
1,3,5-Trimethylbenzene	21.6		µg/kg wet		20.0		108	70-130	5	25
Vinyl chloride	17.3		µg/kg wet		20.0		87	70-130	13	25
m,p-Xylene	47.0		µg/kg wet		40.0		118	70-130	1	25
o-Xylene	25.2		µg/kg wet		20.0		126	70-130	1	25
Tetrahydrofuran	18.2		µg/kg wet		20.0		91	70-130	21	25
Ethyl ether	16.7		µg/kg wet		20.0		83	70-130	21	50
Tert-amyl methyl ether	19.2		µg/kg wet		20.0		96	70-130	12	25
Ethyl tert-butyl ether	16.7		µg/kg wet		20.0		84	70-130	19	25
Di-isopropyl ether	16.8		µg/kg wet		20.0		84	70-130	20	25
Tert-Butanol / butyl alcohol	162		µg/kg wet		200		81	70-130	23	25
1,4-Dioxane	158	QR2	µg/kg wet		200		79	60-146	30	25
trans-1,4-Dichloro-2-butene	18.9		µg/kg wet		20.0		94	70-130	2	25
Ethanol	367		µg/kg wet		400		92	70-130	18	30
Surrogate: 4-Bromofluorobenzene	31.7		µg/kg wet		30.0		106	70-130		
Surrogate: Toluene-d8	27.1		µg/kg wet		30.0		90	70-130		
Surrogate: 1,2-Dichloroethane-d4	23.1		µg/kg wet		30.0		77	70-130		
Surrogate: Dibromofluoromethane	23.9		µg/kg wet		30.0		80	70-130		

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* Reportable Detection Limit

BRL = Below Reporting Limit

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	Limit	RPD	RPD Limit
Batch 9080529 - SW846 3545A										
Blank (9080529-BLK1)										
Prepared: 10-Aug-09 Analyzed: 11-Aug-09										
Aroclor-1016	BRL		µg/kg wet	20.0						
Aroclor-1016 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1221	BRL		µg/kg wet	20.0						
Aroclor-1221 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1232	BRL		µg/kg wet	20.0						
Aroclor-1232 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1242	BRL		µg/kg wet	20.0						
Aroclor-1242 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1248	BRL		µg/kg wet	20.0						
Aroclor-1248 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1254	BRL		µg/kg wet	20.0						
Aroclor-1254 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1260	BRL		µg/kg wet	20.0						
Aroclor-1260 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1262	BRL		µg/kg wet	20.0						
Aroclor-1262 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1268	BRL		µg/kg wet	20.0						
Aroclor-1268 [2C]	BRL		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	12.8		µg/kg wet		20.0		64	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [;	12.0		µg/kg wet		20.0		60	30-150		
Surrogate: Decachlorobiphenyl (Sr)	21.4		µg/kg wet		20.0		107	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	17.8		µg/kg wet		20.0		89	30-150		
LCS (9080529-BS1)										
Prepared: 10-Aug-09 Analyzed: 11-Aug-09										
Aroclor-1016	232		µg/kg wet	20.0	250		93	50-140		
Aroclor-1016 [2C]	226		µg/kg wet	20.0	250		90	50-140		
Aroclor-1260	276		µg/kg wet	20.0	250		110	50-140		
Aroclor-1260 [2C]	232		µg/kg wet	20.0	250		93	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	12.5		µg/kg wet		20.0		62	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [;	11.7		µg/kg wet		20.0		58	30-150		
Surrogate: Decachlorobiphenyl (Sr)	23.2		µg/kg wet		20.0		116	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	17.1		µg/kg wet		20.0		86	30-150		
LCS Dup (9080529-BSD1)										
Prepared: 10-Aug-09 Analyzed: 11-Aug-09										
Aroclor-1016	230		µg/kg wet	20.0	250		92	50-140	0.9	30
Aroclor-1016 [2C]	231		µg/kg wet	20.0	250		92	50-140	2	30
Aroclor-1260	274		µg/kg wet	20.0	250		110	50-140	0.7	30
Aroclor-1260 [2C]	231		µg/kg wet	20.0	250		92	50-140	0.6	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	13.0		µg/kg wet		20.0		65	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [;	12.1		µg/kg wet		20.0		60	30-150		
Surrogate: Decachlorobiphenyl (Sr)	22.8		µg/kg wet		20.0		114	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	17.1		µg/kg wet		20.0		86	30-150		
Duplicate (9080529-DUP1) Source: SA98806-01										
Prepared: 10-Aug-09 Analyzed: 13-Aug-09										
Aroclor-1016	BRL		µg/kg dry	21.1		BRL				40
Aroclor-1016 [2C]	BRL		µg/kg dry	21.1		BRL				40
Aroclor-1221	BRL		µg/kg dry	21.1		BRL				40
Aroclor-1221 [2C]	BRL		µg/kg dry	21.1		BRL				40
Aroclor-1232	BRL		µg/kg dry	21.1		BRL				40
Aroclor-1232 [2C]	BRL		µg/kg dry	21.1		BRL				40

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* Reportable Detection Limit

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Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	Limit	RPD	Limit
Batch 9080529 - SW846 3545A										
Duplicate (9080529-DUP1) Source: SA98808-01										
Prepared: 10-Aug-09 Analyzed: 13-Aug-09										
Aroclor-1242	BRL		µg/kg dry	21.1		BRL				40
Aroclor-1242 [2C]	BRL		µg/kg dry	21.1		BRL				40
Aroclor-1248	BRL		µg/kg dry	21.1		BRL				40
Aroclor-1248 [2C]	BRL		µg/kg dry	21.1		BRL				40
Aroclor-1254	BRL		µg/kg dry	21.1		BRL				40
Aroclor-1254 [2C]	BRL		µg/kg dry	21.1		BRL				40
Aroclor-1260	BRL		µg/kg dry	21.1		BRL				40
Aroclor-1260 [2C]	BRL		µg/kg dry	21.1		BRL				40
Aroclor-1262	BRL		µg/kg dry	21.1		BRL				40
Aroclor-1262 [2C]	BRL		µg/kg dry	21.1		BRL				40
Aroclor-1268	BRL		µg/kg dry	21.1		BRL				40
Aroclor-1268 [2C]	BRL		µg/kg dry	21.1		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	13.7		µg/kg dry		21.1		65	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	15.7		µg/kg dry		21.1		75	30-150		
Surrogate: Decachlorobiphenyl (Sr)	21.2		µg/kg dry		21.1		101	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	21.0		µg/kg dry		21.1		100	30-150		
Matrix Spike (9080529-MS1) Source: SA98808-01										
Prepared: 10-Aug-09 Analyzed: 13-Aug-09										
Aroclor-1016	262		µg/kg dry	20.4	255	BRL	103	40-135		
Aroclor-1016 [2C]	241		µg/kg dry	20.4	255	BRL	95	40-135		
Aroclor-1260	241		µg/kg dry	20.4	255	BRL	95	40-135		
Aroclor-1260 [2C]	245		µg/kg dry	20.4	255	BRL	96	40-135		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	11.4		µg/kg dry		20.4		56	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	15.7		µg/kg dry		20.4		77	30-150		
Surrogate: Decachlorobiphenyl (Sr)	17.6		µg/kg dry		20.4		87	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	17.5		µg/kg dry		20.4		86	30-150		
Matrix Spike Dup (9080529-MSD1) Source: SA98808-01										
Prepared: 10-Aug-09 Analyzed: 13-Aug-09										
Aroclor-1016	206	QR2	µg/kg dry	20.0	250	BRL	83	40-135	22	15
Aroclor-1016 [2C]	206		µg/kg dry	20.0	250	BRL	82	40-135	14	15
Aroclor-1260	231		µg/kg dry	20.0	250	BRL	93	40-135	2	20
Aroclor-1260 [2C]	225		µg/kg dry	20.0	250	BRL	90	40-135	6	20
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	9.88		µg/kg dry		20.0		49	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [	13.7		µg/kg dry		20.0		68	30-150		
Surrogate: Decachlorobiphenyl (Sr)	16.8		µg/kg dry		20.0		84	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	15.5		µg/kg dry		20.0		77	30-150		

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* Reportable Detection Limit

BRL = Below Reporting Limit

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	Limit	RPD	Limit
Batch 9080535 - SW#46 3545A										
<u>Blank (9080535-BLK1)</u>										
Prepared: 10-Aug-09 Analyzed: 11-Aug-09										
Gasoline	BRL		mg/kg wet	13.3						
Fuel Oil #2	BRL		mg/kg wet	13.3						
Fuel Oil #4	BRL		mg/kg wet	13.3						
Fuel Oil #6	BRL		mg/kg wet	13.3						
Motor Oil	BRL		mg/kg wet	13.3						
Ligroin	BRL		mg/kg wet	13.3						
Aviation Fuel	BRL		mg/kg wet	13.3						
Hydraulic Oil	BRL		mg/kg wet	13.3						
Dielectric Fluid	BRL		mg/kg wet	13.3						
Unidentified	BRL		mg/kg wet	13.3						
Other Oil	BRL		mg/kg wet	13.3						
Total Petroleum Hydrocarbons	BRL		mg/kg wet	13.3						
Surrogate: 1-Chlorooctadecane	3.01		mg/kg wet		3.33		90	40-140		
<u>LCS (9080535-BS2)</u>										
Prepared: 10-Aug-09 Analyzed: 11-Aug-09										
Fuel Oil #2	619		mg/kg wet	13.3	667		93	40-140		
Surrogate: 1-Chlorooctadecane	3.15		mg/kg wet		3.33		94	40-140		

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* Reportable Detection Limit BRL = Below Reporting Limit

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	Limit	RPD	Limit
Batch 9080359 - SW846 3050B										
<u>Blank (9080359-BLK1)</u>										
Prepared: 12-Aug-09 Analyzed: 14-Aug-09										
Nickel	BRL		mg/kg wet	0.946						
Selenium	BRL		mg/kg wet	1.42						
Thallium	BRL		mg/kg wet	2.84						
Zinc	BRL		mg/kg wet	0.946						
Lead	BRL		mg/kg wet	1.42						
Antimony	BRL		mg/kg wet	4.73						
Cadmium	BRL		mg/kg wet	0.473						
Beryllium	BRL		mg/kg wet	0.473						
Copper	BRL		mg/kg wet	0.946						
Silver	BRL		mg/kg wet	1.42						
Arsenic	BRL		mg/kg wet	1.42						
Chromium	BRL		mg/kg wet	0.946						
<u>Reference (9080359-SRM1)</u>										
Prepared: 12-Aug-09 Analyzed: 14-Aug-09										
Selenium	91.0		mg/kg wet	1.50	97.2		94	80.2-119.8		
Zinc	140		mg/kg wet	1.00	173		81	79.1-120.9		
Thallium	114		mg/kg wet	3.00	125		91	79.4-120.2		
Nickel	92.2		mg/kg wet	1.00	101		91	81-118.5		
Antimony	31.2		mg/kg wet	5.00	53.1		59	50.2-150.5		
Lead	54.4		mg/kg wet	1.50	52.5		103	79-121.2		
Silver	37.3		mg/kg wet	1.50	38.7		96	66.2-133.5		
Beryllium	27.5		mg/kg wet	0.500	29.4		93	83.3-116.8		
Arsenic	42.2		mg/kg wet	1.50	44.7		95	78.1-122.3		
Chromium	68.4		mg/kg wet	1.00	72.9		94	80.6-119.4		
Copper	119		mg/kg wet	1.00	120		99	83.5-116		
Cadmium	41.7		mg/kg wet	0.500	46.0		90	81.4-118.7		
<u>Reference (9080359-SRM2)</u>										
Prepared: 12-Aug-09 Analyzed: 14-Aug-09										
Selenium	94.7		mg/kg wet	1.50	97.0		98	80.2-119.8		
Nickel	97.9		mg/kg wet	1.00	101		97	81-118.5		
Lead	49.1		mg/kg wet	1.50	52.5		93	79-121.2		
Thallium	122		mg/kg wet	3.00	125		98	79.4-120.2		
Zinc	148		mg/kg wet	1.00	172		86	79.1-120.9		
Antimony	32.2		mg/kg wet	5.00	53.0		61	50.2-150.5		
Copper	121		mg/kg wet	1.00	120		101	83.5-116		
Beryllium	28.2		mg/kg wet	0.500	29.4		96	83.3-116.8		
Cadmium	44.3		mg/kg wet	0.500	46.0		96	81.4-118.7		
Arsenic	43.4		mg/kg wet	1.50	44.6		97	78.1-122.3		
Chromium	70.5		mg/kg wet	1.00	72.7		97	80.6-119.4		
Silver	38.0		mg/kg wet	1.50	38.6		98	66.2-133.5		
Batch 9080360 - EPA200/SW7000 Series										
<u>Blank (9080360-BLK1)</u>										
Prepared: 12-Aug-09 Analyzed: 14-Aug-09										
Mercury	BRL		mg/kg wet	0.0288						
<u>Reference (9080360-SRM1)</u>										
Prepared: 12-Aug-09 Analyzed: 14-Aug-09										
Mercury	1.85		mg/kg wet	0.0300	1.78		104	71.8-128.2		

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* Reportable Detection Limit

BRL = Below Reporting Limit

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit
Batch 9081297 - General Preparation										
<u>Blank (9081297-BLK1)</u>										
Prepared: 17-Aug-09 Analyzed: 18-Aug-09										
Hexavalent Chromium	BRL		mg/kg wet	1.00						
<u>LCS (9081297-BS1)</u>										
Prepared: 17-Aug-09 Analyzed: 18-Aug-09										
Hexavalent Chromium	18.5		mg/kg wet	1.00	20.0		92	90-110		
<u>Calibration Blank (9081297-CCB1)</u>										
Prepared: 17-Aug-09 Analyzed: 18-Aug-09										
Hexavalent Chromium	0.003		mg/kg wet							
<u>Calibration Blank (9081297-CCB2)</u>										
Prepared: 17-Aug-09 Analyzed: 18-Aug-09										
Hexavalent Chromium	0.002		mg/kg wet							
<u>Calibration Blank (9081297-CCB3)</u>										
Prepared: 17-Aug-09 Analyzed: 18-Aug-09										
Hexavalent Chromium	0.002		mg/kg wet							
<u>Calibration Blank (9081297-CCB4)</u>										
Prepared: 17-Aug-09 Analyzed: 18-Aug-09										
Hexavalent Chromium	0.002		mg/kg wet							
<u>Calibration Blank (9081297-CCB5)</u>										
Prepared: 17-Aug-09 Analyzed: 18-Aug-09										
Hexavalent Chromium	0.002		mg/kg wet							
<u>Calibration Check (9081297-CCV1)</u>										
Prepared: 17-Aug-09 Analyzed: 18-Aug-09										
Hexavalent Chromium	18.7		mg/kg wet		20.0		94	90-110		
<u>Calibration Check (9081297-CCV2)</u>										
Prepared: 17-Aug-09 Analyzed: 18-Aug-09										
Hexavalent Chromium	18.8		mg/kg wet		20.0		94	90-110		
<u>Calibration Check (9081297-CCV3)</u>										
Prepared: 17-Aug-09 Analyzed: 18-Aug-09										
Hexavalent Chromium	19.2		mg/kg wet		20.0		96	90-110		
<u>Calibration Check (9081297-CCV4)</u>										
Prepared: 17-Aug-09 Analyzed: 18-Aug-09										
Hexavalent Chromium	19.6		mg/kg wet		20.0		98	90-110		
<u>Calibration Check (9081297-CCV5)</u>										
Prepared: 17-Aug-09 Analyzed: 18-Aug-09										
Hexavalent Chromium	19.6		mg/kg wet		20.0		98	90-110		
<u>Duplicate (9081297-DUP2)</u> Source: SA98808-03										
Prepared: 17-Aug-09 Analyzed: 18-Aug-09										
Hexavalent Chromium	BRL		mg/kg dry	1.06		BRL				35
<u>Matrix Spike (9081297-MS2)</u> Source: SA98808-03										
Prepared: 17-Aug-09 Analyzed: 18-Aug-09										
Hexavalent Chromium	20.8		mg/kg dry	1.07	21.4	BRL	97	75-125		
<u>Matrix Spike Dup (9081297-MSD2)</u> Source: SA98808-03										
Prepared: 17-Aug-09 Analyzed: 18-Aug-09										
Hexavalent Chromium	20.3		mg/kg dry	1.05	21.1	BRL	96	75-125	2	35

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* Reportable Detection Limit

BRL = Below Reporting Limit

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9081297 - General Preparation										
<u>Post Spike (9081297-PS2)</u>		Source: SA98808-03								
Prepared: 17-Aug-09 Analyzed: 18-Aug-09										
Hexavalent Chromium	0.495		mg/kg dry		0.500	BRL	99	75-125		
<u>Reference (9081297-SRM1)</u>										
Prepared: 17-Aug-09 Analyzed: 18-Aug-09										
Hexavalent Chromium	89.3		mg/kg wet	10.5	120		74	23.3-143		
Batch 9081320 - General Preparation										
<u>Blank (9081320-BLK1)</u>										
Prepared: 17-Aug-09 Analyzed: 18-Aug-09										
Hexavalent Chromium	BRL		mg/kg wet	1.00						
<u>LCS (9081320-BS1)</u>										
Prepared: 17-Aug-09 Analyzed: 18-Aug-09										
Hexavalent Chromium	18.8		mg/kg wet	1.00	20.0		94	90-110		
<u>Calibration Blank (9081320-CCB1)</u>										
Prepared: 17-Aug-09 Analyzed: 18-Aug-09										
Hexavalent Chromium	0.002		mg/kg wet							
<u>Calibration Blank (9081320-CCB2)</u>										
Prepared: 17-Aug-09 Analyzed: 18-Aug-09										
Hexavalent Chromium	0.002		mg/kg wet							
<u>Calibration Blank (9081320-CCB3)</u>										
Prepared: 17-Aug-09 Analyzed: 18-Aug-09										
Hexavalent Chromium	0.002		mg/kg wet							
<u>Calibration Check (9081320-CCV1)</u>										
Prepared: 17-Aug-09 Analyzed: 18-Aug-09										
Hexavalent Chromium	19.0		mg/kg wet		20.0		95	90-110		
<u>Calibration Check (9081320-CCV2)</u>										
Prepared: 17-Aug-09 Analyzed: 18-Aug-09										
Hexavalent Chromium	18.7		mg/kg wet		20.0		94	90-110		
<u>Calibration Check (9081320-CCV3)</u>										
Prepared: 17-Aug-09 Analyzed: 18-Aug-09										
Hexavalent Chromium	18.8		mg/kg wet		20.0		94	90-110		
<u>Duplicate (9081320-DUP1)</u>		Source: SA98808-01								
Prepared: 17-Aug-09 Analyzed: 18-Aug-09										
Hexavalent Chromium	BRL		mg/kg dry	1.05		BRL				35
<u>Matrix Spike (9081320-MS1)</u>		Source: SA98808-01								
Prepared: 17-Aug-09 Analyzed: 18-Aug-09										
Hexavalent Chromium	18.7		mg/kg dry	1.05	21.1	BRL	88	75-125		
<u>Matrix Spike Dup (9081320-MSD1)</u>		Source: SA98808-01								
Prepared: 17-Aug-09 Analyzed: 18-Aug-09										
Hexavalent Chromium	18.7		mg/kg dry	1.05	21.0	BRL	89	75-125	0.1	35
<u>Post Spike (9081320-PS1)</u>		Source: SA98808-01								
Prepared: 17-Aug-09 Analyzed: 18-Aug-09										
Hexavalent Chromium	0.507		mg/kg dry		0.500	0.002	101	75-125		
<u>Reference (9081320-SRM1)</u>										
Prepared: 17-Aug-09 Analyzed: 18-Aug-09										
Hexavalent Chromium	92.9		mg/kg wet	9.88	120		77	23.3-143		

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* Reportable Detection Limit

BRL = Below Reporting Limit

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	RPD	RPD Limit

Batch 9081320 - General Preparation

Reference (9081320-SRM1)

Prepared: 17-Aug-09 Analyzed: 18-Aug-09

Toxicity Characteristics - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	RPD	RPD Limit

Batch 9080295 - General Preparation

Duplicate (9080295-DUP1)

Source: SA98808-01

Prepared & Analyzed: 05-Aug-09

pH	6.21		pH Units			6.15		1	5

Reference (9080295-SRM1)

Prepared & Analyzed: 05-Aug-09

pH	6.00		pH Units		6.00	100	97.5-102.5

Reference (9080295-SRM2)

Prepared & Analyzed: 05-Aug-09

pH	6.00		pH Units		6.00	100	97.5-102.5

Notes and Definitions

CAL2	Analyte percent drift/percent difference is greater than 30%, data is accepted due to all CCC analytes passing within the 20% Drift/Difference criteria
QM9	The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.
QR2	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
pH	The method for pH does not stipulate a specific holding time other than to state that the samples should be analyzed as soon as possible. For aqueous samples the 40 CFR 136 specifies a holding time of 15 minutes from sampling to analysis. Therefore all aqueous pH samples not analyzed in the field are considered out of hold time at the time of sample receipt. All soil samples are analyzed as soon as possible after sample receipt.

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Interpretation of Total Petroleum Hydrocarbon Report

Petroleum identification is determined by comparing the GC fingerprint obtained from the sample with a library of GC fingerprints obtained from analyses of various petroleum products. Possible match categories are as follows:

- Gasoline - includes regular, unleaded, premium, etc.
- Fuel Oil #2 - includes home heating oil, #2 fuel oil, and diesel
- Fuel Oil #4 - includes #4 fuel oil
- Fuel Oil #6 - includes #6 fuel oil and bunker "C" oil
- Motor Oil - includes virgin and waste automobile oil
- Ligroin - includes mineral spirits, petroleum naphtha, vm&p naphtha
- Aviation Fuel - includes kerosene, Jet A and JP-4
- Other Oil - includes lubricating and cutting oil, and silicon oil

At times, the unidentified petroleum product is quantified using a calibration that most closely approximates the distribution of compounds in the sample. When this occurs, the result is qualified as *TPH (Calculated as).

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.
Kim Wisk
Nicole Leja

MADEP MCP ANALYTICAL METHOD REPORT CERTIFICATION FORM

Laboratory Name: Spectrum Analytical, Inc. - Agawam, MA			Project #: [none]		
Project Location: GPR Concord - Concord, MA			MADEP RTN ¹ :		
This form provides certifications for the following data set: SA98808-01 through SA98808-03					
Sample matrices:		Soil			
MCP SW-846 Methods Used	☒ 8260B	☐ 8151A	☐ 8330	☒ 6010B	☒ 7470A/1A
	☐ 8270C	☐ 8081A	☐ VPH	☐ 6020	☐ 9014M ²
	☒ 8082	☐ 8021B	☐ EPH	☐ 7000S ³	☒ 7196A
¹ List Release Tracking Number (RTN), if known ² M - SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method ³ S - SW-846 Methods 7000 Series List individual method and analyte					
<i>An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status</i>					
A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?				☒ Yes ☐ No
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?				☒ Yes ☐ No
C	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty", as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?				☒ Yes ☐ No
D	<u>VPH and EPH methods only</u> : Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective methods)?				☐ Yes ☐ No
<i>A response to questions E and F below is required for "Presumptive Certainty" status</i>					
E	Were all analytical QC performance standards and recommendations for the specified methods achieved?				☒ Yes ☐ No
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?				☐ Yes ☒ No
<i>All negative responses are addressed in a case narrative on the cover page of this report.</i>					
I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.  Hanibal C. Tayeh, Ph.D. President/Laboratory Director Date: 8/19/2009					

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* Reportable Detection Limit

BRL = Below Reporting Limit

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SPECTRUM ANALYTICAL, INC.
Farming

CHAIN OF CUSTODY RECORD

Page 1 of 1

SA900088888

Special Handling:

- ☒ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- ☐ All TATs subject to laboratory approval
- ☐ Min. 24-hour notification needed for rushes
- ☐ Samples disposed of after 60 days unless otherwise instructed

11/11/2009

Report To: WILLIAMSON ENVIRONMENTAL Analyzed For: STRAIN

Project Mgr: JOE HETCA P.O. No: _____

Site Name: GPB CONCNS Location: LAVERD Sample(s): 7, 1054

Project No: _____

1=Na₂SO₄ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Acetic Acid
7=H₂SO₄ 8=NaHSO₄ 9=H₂O 10= _____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= _____ X2= _____ X3= _____

G=Grab C=Composite

Lab Id	Sample Id	Date	Time	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis	QA Reporting Notes: (check if needed)

98888	7P-A 15'	8-5-09	045				23				0260	

98888	7P-B 11'	9-5	945				23				PH	

98888	7P-C 16'	9-10	650				23				0100	

98888											PCB 13 METALS	

98888											PCB 13 METALS	

98888											PCB 13 METALS	

98888											PCB 13 METALS	

98888											PCB 13 METALS	

98888											PCB 13 METALS	

98888											PCB 13 METALS	

Relinquished by:

Received by:

Date:

Time:

EDD Format

Condition upon receipt: ☒ Good ☐ Ambient ☐ C ☐ 3.6

For results when available to ()

By e-mail to: WILLIAMSON ENVIRONMENTAL

Signature: [Signature]

Signature: [Signature]

Date: 8/5/09

Time: 1555

**Proof of Delivery**

Dear Customer,

This notice serves as proof of delivery for the shipment listed below.

Tracking Number: 1Z1VW0710297473619
Reference Number(s): GPR CONCORD, 965, SUMMARY OF TEST
PITS LETTER 9/01/09
Service: 2ND DAY AIR
Shipped/Billed On: 09/01/2009
Delivered On: 09/02/2009 11:37 A.M.
Delivered To: 39 MAIN ST
301
AYER, MA, US 01432
Signed By: GOLDSMITH

A handwritten signature in black ink, appearing to be "GOLDSMITH", written over a background of faint, repeating text.

Location: RECEIVER

Thank you for giving us this opportunity to serve you.

Sincerely,

UPS

Tracking results provided by UPS: 09/03/2009 2:45 P.M. ET



Limited Subsurface Evaluation
of
**Lot off Winthrop Street
(aka a portion of 965 Elm Street)
Concord, Massachusetts**

Prepared for: Concord Housing Development Corporation
 Mr. David Hale
 P.O. Box 195
 Concord, Massachusetts 01742

ENSTRAT Project Number 2013-139

November 11, 2013



November 11, 2013

Concord Housing Development Corporation
Mr. David Hale
P.O. Box 195
Concord, Massachusetts 01742

Dear Mr. Hale,

ENSTRAT, Inc. (ENSTRAT) is pleased to submit the following Limited Subsurface Evaluation of the property off Winthrop Street in Concord, Massachusetts (the Site). The Summary and Conclusions of this report are included as Section 3.0.

Please contact our office if you have any questions regarding this report.

Sincerely,
ENSTRAT, INC.

Thomas P. Luby, PG, LSP
Principal/Technical Manager



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1.0 Introduction

At the request of Concord Housing Development Corporation, ENSTRAT has performed a Limited Subsurface Evaluation of the property off Winthrop Street in Concord, Massachusetts, hereafter referred to as the Site. It should be noted that this lot is part of a larger parcel associated with the state prison known as 965 Elm Street. The Limited Subsurface Evaluation was performed in order to evaluate the potential impact to soil and/or groundwater from on-Site former sewage lagoons, miscellaneous contractor storage and from a western abutting factory building. The activities conducted to complete this project are discussed in Section 1.2 of this report.

1.1 Previous Environmental Assessments

ENSTRAT, Inc. (ENSTRAT) reviewed a Phase I Environmental Site Assessment (ESA) report and a Summary of Test Pit Excavations/Soil Sampling Activities letter for the property off Winthrop Street (a.k.a. southern portion of the 965 Elm Street parcel) in Concord, Massachusetts (the Site), completed by Williamson Environmental LLC (Williamson) dated February 26, 2009 and September 1, 2009 respectively.

Based upon the findings presented in the reports, ENSTRAT was authorized to conduct a limited subsurface evaluation of soil and groundwater conditions focusing on identified concerns at the Site. The specific findings of the 2009 Williamson reports are summarized as follows:

The Site consists of 12.7 acres of undeveloped land located at the southern portion of a larger parcel (965 Elm Street) which includes a total of 64-acres. According to Williamson, at the time of the assessment, a portion of the Site was utilized for storage of aggregate materials generated by the Concord Department of Public Works and others. Additionally, a portion of the Site was previously utilized by the Massachusetts Correctional Institute (MCI) Concord facility for sewage disposal. The remainder of the Site historically consisted of undeveloped woodlands and/or wetlands and abuts the Assabet River to the west.

Williamson conducted subsurface activities including the excavation of two test pits in each of the six former sewage lagoons. Soil samples were reportedly collected from a depth of 4 to 6 feet and laboratory analyzed for volatile organic compounds (VOCs),



total petroleum hydrocarbons (TPH), polychlorinated biphenyls (PCBs), RCRA 13 total metals, and pH. Concentrations of compounds were not detected above the applicable MCP RCS-2 reportable concentrations. Williamson stated "in its present use, the soil at the Site is considered RCS-2, and therefore chromium concentrations detected within these soil samples does not constitute a reportable condition in accordance with MCP 310 CMR 40.0361." However, Williamson also indicated that if the Site was used for residential purposes in the future, the soil would be considered soil category RCS-1 and concentrations of total chromium detected in four of the soil samples exceeded RCS-1 reportable concentrations. A notification condition would have therefore been created when the use of the property changed to residential.

In August 2009 Williamson oversaw additional subsurface investigations including the excavation of three test pits close to the western boundary of the Site. One soil sample was collected from each of the test pits and field screened for VOCs; which were not detected. These three soil samples were also laboratory analyzed for VOCs, TPH, PCBs, RCRA 13 total metals, trivalent chromium, hexavalent chromium, and pH. All compounds that were detected were below RCS-1 reportable concentrations. Additional assessment activities were not conducted.

1.2 Purpose and Scope

The purpose of this Limited Subsurface Evaluation is to assess for the presence of chromium in soil and to assess soil and groundwater at the Site.

The activities conducted to complete this investigation included:

- 1) Preparing a Health and Safety Plan;
- 2) The completion of six (6) soil borings;
- 3) The installation of four (4) groundwater monitoring wells in four of the soil borings;
- 4) Collecting soil samples from the soil borings and field screening the samples for the presence of total volatile organic compounds (VOCs);
- 5) Collection and laboratory analysis of seven (7) soil samples for total chromium and hexavalent/trivalent chromium;
- 6) Collection of four (4) groundwater samples for extractable petroleum hydrocarbons (EPH) and VOCs;
- 7) Collection of one (1) additional groundwater sample from an area of the former sewage lagoon for MCP 13 dissolved metals;



- 8) Gauging and surveying groundwater levels; and
- 9) The preparation of this report.

The conclusions and any recommendations herein are based upon any reports reviewed and referenced herein, the information and data obtained to complete this Limited Subsurface Evaluation, and the Project Limitations included in the Appendices. This report was prepared for the exclusive use of Concord Housing Development Corporation under the terms and conditions of the contract dated October 18, 2013. Other warranties are not expressed or implied.

1.3 Pre-Drilling Activities and Metal Detector Survey

DigSafe was notified of the intent to conduct subsurface activities at the Site. Officials at DigSafe indicated utility companies within the DigSafe program would be notified to designate the location of their respective underground utility lines. The Site and surrounding streets and sidewalks were inspected for the utility line markings prior to the boring and monitoring well installations.

2.0 Subsurface Evaluation

2.1 Soil Boring & Monitoring Well Installations

On October 21, 2013, Soil Tech Environmental, LLC of Gardner, Massachusetts installed four groundwater monitoring wells (EN-1 through EN-4) and completed two additional soil borings (SB-1 and SB-2). The locations of the borings and monitoring wells are illustrated on Figure 2 in the Appendices. The monitoring wells were installed according to the standard protocols presented in the Appendices.

Well EN-1 was set at a depth of 20 feet below the ground surface (bgs) and is situated downgradient of the former railroad line and an off-Site factory. Well EN-2 was set at a depth of 20 feet bgs and was situated on the northwestern portion of the Site used for contractor storage. Wells EN-3 and EN-4 were set at a depth of 20 feet bgs and were situated within the former sewage lagoons. Soil borings SB-1 and SB-2 were advanced to a depth of 15 feet bgs and were situated in the former sewage lagoons. It should be noted that the monitoring wells and soil borings situated within the sewage lagoons



were approximately positioned to re-assess the highest concentrations of total chromium detected in 2009 by Williamson Environmental LLC (Williamson).

The monitoring wells were constructed with two-inch-diameter, Schedule 40 polyvinyl chloride (PVC) casing and 0.010-inch slotted PVC screen. The screened portions of the wells were positioned to span the top of the water table to detect the presence of floating product. The annular space around the well was backfilled with silica sand to approximately one-half foot to three feet above the screened interval, at which point an approximately one-foot-thick bentonite seal was placed. The monitoring wells were completed two feet above the ground surface and protected by locked standpipes. The tops of the well casings were capped with an expansion plug. Soil boring logs, including the monitoring well construction diagrams, are included in the Appendices for further reference.

2.3 Soil Sampling, Analyses, and Results

Subsurface materials encountered generally consisted of fine to coarse sand with some gravel and fill material (brick and wood). Groundwater was encountered between 13 feet to 15 feet below grade. Soil samples obtained during drilling activities were screened for total volatile organic vapors using a Thermo Environmental Instruments, Inc. 580S Organic Vapor Meter (OVM) photoionization detector (PID). This PID is equipped with a 10.6 electron-volt lamp and was calibrated to an isobutylene standard and adjusted with a response factor to benzene prior to screening. The sensitivity of the instrument to VOCs other than the calibration gas varies. However, most priority pollutant VOCs ionize at this potential and generate a response on the instrument. The samples were tested via the headspace scan technique; an outline of this method is included in the Appendices. The soil samples did not exhibit significant total volatile organic vapors (see boring logs in Appendices). Additionally, visual and/or olfactory indications of hazardous substances and/or petroleum products were not observed by ENSTRAT personnel.

Soil samples previously collected in 2009 by Williamson in the area of the sewage lagoons were at a depth of 4 to 6 feet bgs. However, current Site observations indicate that portions of the former sewage lagoons were filled to approximately five feet above their former conditions. It could not be determined if the area was filled at the time of the 2009 assessments. Therefore, in order to re-create testing by Williamson, ENSTRAT



collected soil samples within the former sewage lagoons from 4 to 6 feet below the current ground surface and at 9 to 11 feet below the former ground surface from EN-3, SB-1, and SB-2. The sewage lagoon where EN-4 is situated appears to be unchanged since 2009 and only one soil sample from 4 to 6 feet was collected from this boring. These seven soil samples were placed into appropriate glassware and cooled upon delivery to Alpha Analytical Laboratories on October 22, 2013. The samples were laboratory analyzed for hexavalent and trivalent chromium and total chromium.

Soil results indicate that total chromium was detected in all soil samples below MCP RCS-1 reportable concentrations, with the exception of soil from SB-1 (4'-6'), EN-3 (9'-11'), and EN-4 (4'-6'). However, based on the trivalent/hexavalent chromium analysis conducted on all of these soil samples, the total chromium concentrations represent the less toxic trivalent chromium, which is likely naturally occurring. A very low concentration of hexavalent chromium was detected in only one sample (EN-3/9'-11') at 0.87 mg/kg, which is well below MCP RCS-1 reportable concentration (30 mg/kg).

2.4 Groundwater Sampling, Analyses, and Results

Prior to groundwater sampling activities on October 28, 2013, at least three well volumes of groundwater were removed from the monitoring wells according to the Protocols included in the Appendices. Groundwater samples from all four monitoring wells did not exhibit significant olfactory or visual indications of hazardous substances and petroleum products. The groundwater samples were subsequently placed in appropriate containers and cooled prior to delivery to Alpha on October 28, 2013. It should be noted that groundwater from EN-4 was field filtered prior to collecting the sample for dissolved metals.

All four groundwater samples were laboratory analyzed for VOCs and EPH. Groundwater from EN-4 was also laboratory analyzed for MCP 14 dissolved metals. Laboratory Certificates of Analysis for these samples are included in the Appendices. Based upon a review of Massachusetts GIS 21E Map, the Site is not located within a Sole Source or potentially active Aquifer, a Zone II drinking water resource area, or within 500 feet of a private drinking water well. Therefore, groundwater at the Site is categorized as RCGW-2 for MADEP notification purposes.



Concentrations of VOCs and EPH were not detected in the groundwater samples above laboratory detection limits, with the exception of chloroform detected in groundwater from EN-1 well below the applicable RCGW-2 reportable concentration. Dissolved metals were not detected in groundwater with the exception of antimony, barium, and zinc detected in groundwater from EN-4. However, these concentrations were below the applicable RCGW-2 reportable concentrations. See Appendices for the laboratory certificate of analysis.

2.5 Groundwater Flow Direction

Water level measurements were obtained from the monitoring wells on October 28, 2013. The measurements were obtained from the top of the PVC well casing. The wells were gauged with a Solinst electronic interface probe to record depth to water measurements and to evaluate the presence of floating product. Free product was not detected in the monitoring wells.

ENSTRAT personnel surveyed the relative elevations of four of the monitoring wells on October 28, 2013. The elevations were based on an assumed elevation of 100.00 feet established on the well casing of EN-1. Groundwater elevations were estimated by subtracting the depth to groundwater measurements from the corresponding monitoring well casing elevations (see Table 1 in the Appendices). Based upon these and other data, groundwater on the Site appears to be flowing southeasterly toward Assabet River.

3.0 Summary, Conclusions and Recommendations

ENSTRAT conducted a Limited Subsurface Evaluation for the property at a Lot off Winthrop Street (a.k.a southern portion of 965 Elm Street parcel) in Concord, Massachusetts (the Site). After completing the evaluation, the following summary and conclusions are presented:

- Six soil boring were completed and four groundwater monitoring wells (EN-1 through EN-4) were installed as part of this project. The borings and wells were placed in accessible areas to assess the historical presence of sewage lagoons, use of the site for contractor storage, and downgradient of an abutting factory.



- Soil samples obtained during drilling activities were field-screened for VOCs; which were not detected. Soil samples did not exhibit visual or olfactory indications of hazardous substances and/or petroleum products. Soil samples from the area of the former sewage lagoons were laboratory analyzed for hexavalent/trivalent chromium and total chromium.
- Soil results indicate that total chromium was detected in all soil samples below MCP RCS-1 reportable concentrations, with the exception of soil from SB-1 (4'-6'), EN-3 (9'-11'), and EN-4 (4'-6'), which was detected above RCS-1 reportable concentrations. However, based on the trivalent/hexavalent chromium analysis that was also conducted on all of these soil samples, the total chromium concentrations represent trivalent chromium was is naturally occurring. Hexavalent chromium was detected in only one sample (EN-3/9'-11') at 0.87 mg/kg, which is well below MCP RCS-1 reportable concentrations.
- Groundwater samples from all four monitoring wells were laboratory analyzed for EPH and VOCs. Groundwater from well EN-4 (within former sewage lagoon area) was also analyzed for MCP 13 dissolved metals. Concentrations of VOCs, EPH, and dissolved metals were not detected in the groundwater samples above laboratory detection limits.

Conclusions and Recommendations

Based upon the results of this limited subsurface evaluation, conditions in soil and groundwater testing on the property are considered acceptable for residential development. ENSTRAT does not recommend additional assessment activities at this time.



Site Figures

MassDEP - Bureau of Waste Site Cleanup

Site Information: MCP Numerical Ranking System Map: 500 feet & 0.5 Mile Radii

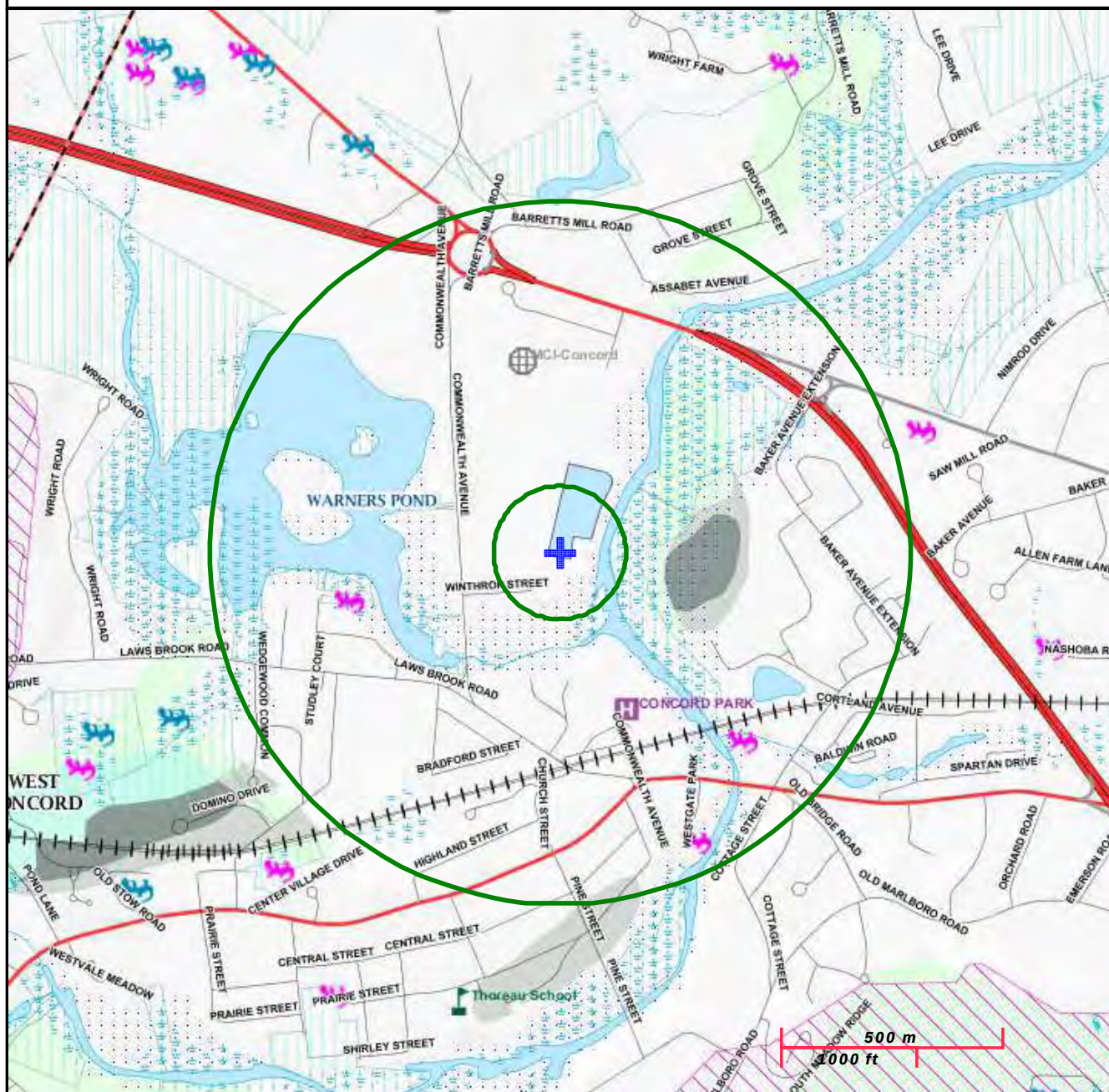
956 ELM STREET CONCORD, MA

NAD83 UTM Meters:
4703756mN, 303115mE (Zone: 19)
November 5, 2013

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:
<http://www.mass.gov/mgis/>



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

Est. Rare Wetland Wildlife Hab; Vernal Pool: Cert., Potential

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



PROJECT NUMBER: 2013-139	LOCATION: Property on Off Winthrop Street Concord, Massachusetts	NORTH:	APPROX. SCALE: Not To Scale
FIGURE NUMBER: 2	FIGURE NAME: Site Plan and Surrounding Properties	DESIGNED BY: SP	DATE: October 2013

Middlesex Registry of Deeds,
Southern District
Cambridge, Massachusetts
Plan No. 71 of 2013
Rec'd 1.31.2013
at 12 H 24 M P M

Attest
Alfred M. Berry
Register

FOR REGISTRY USE ONLY

ZONING INFORMATION

INDUSTRIAL PARK
MINIMUM AREA: 4 ACRES
MINIMUM LOT FRONTAGE: 50' OR 200'
MINIMUM FRONT YARD: 20' OR 100'
CORNER CLEARANCE: 10'
MAXIMUM HEIGHT: 40'
MAXIMUM LOT COVERAGE: 50%

LEGEND

MAP, BLOCK - ASSESSORS INFORMATION
— STONE OR CONCRETE BOUND
— IRON PIPE
— DRILL HOLE
— PROPERTY LINE
— ABUTTER PROPERTY LINE (±)
— EASEMENT LINE
— STONE WALL
— CONTOUR
— INDEX CONTOUR
— RIVERBANK
— WETLAND LINE
— WETLAND FLAG
— SIGN

GENERAL NOTES

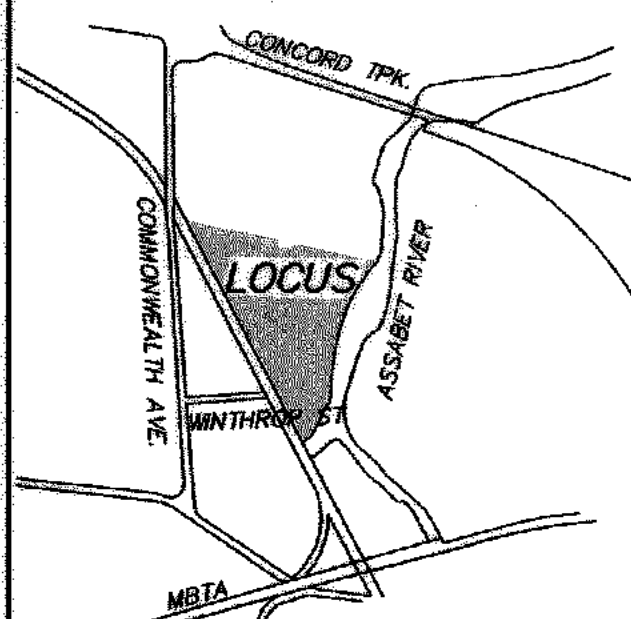
- 1.) THIS PLAN SHOWS A PROPOSED CONVEYANCE AND THE LOT CREATED. PARCEL "A", IS NOT A BUILDING LOT.
- 2.) PARCEL "A" IS TO BE CONVEYED TO THE CONCORD HOUSING DEVELOPMENT CORPORATION.
- 3.) FIELD SURVEY WAS COMPLETED BY TOTAL STATION/EDM.
- 4.) THE HORIZONTAL (NAD 83) AND VERTICAL (NAVD 88) DATUMS WERE DERIVED FROM GPS OBSERVATIONS AND ARE BASED ON THE MASSACHUSETTS STATE PLANE COORDINATE SYSTEM.
- 5.) ALL UNDERGROUND UTILITY INFORMATION SHOWN HEREON WAS DETERMINED FROM SURFACE EVIDENCE AND PLANS OF RECORD. ALL UNDERGROUND UTILITIES SHOULD BE LOCATED IN THE FIELD PRIOR TO COMMENCEMENT OF ALL SITE WORK. CALL DIGSAFE AT 1-800-322-4844 A MINIMUM OF 72 HOURS PRIOR TO PLANNED ACTIVITY.
- 6.) ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) MAPS, THE MAJOR IMPROVEMENTS ON THIS SITE ARE DESIGNATED "ZONE X". AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN. COMMUNITY PANEL 359 OF 656, MAP NUMBER 25017C0359E, EFFECTIVE DATE: JUNE 4, 2010.

LOCUS REFERENCE

ASSESSOR'S MAP REFERENCE:
MAP 8D, BLOCK 2013
OWNER:
COMMONWEALTH OF MASSACHUSETTS,
EXECUTIVE ORDER 22EX, PAGE 479
BOOK 1292, PAGE 227

LOCATION MAP

NOT TO SCALE



THE COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF CORRECTION
REMAINING LAND

51+ ACRES
2,716± REMAINING FRONTAGE
EXECUTIVE ORDER 22EX, PAGE 479

MAP 8D, BLOCK 2163
KEVIN E. & CATHERINE O.
NEUSTROM
BOOK 54542, PAGE 271

MAP 8D, BLOCK 2164
DIANE B. STRONACH
BOOK 28843, PAGE 440

NOTE:

"PARCEL A", AS SHOWN ON THIS PLAN LIES WHOLLY WITHIN THE LAND ACQUIRED BY THE COMMONWEALTH OF MASSACHUSETTS ON JANUARY 9, 1874 AND RECORDED IN THE MIDDLESEX SOUTH REGISTRY OF DEEDS IN BOOK 1292, PAGE 227. SAID LAND WAS DECLARED SURPLUS TO THE NEEDS OF THE DEPARTMENT OF CORRECTION PER ITS DECLARATION DATED AUGUST 10, 2010 AS REFERENCED IN CHAPTER 117 OF THE ACTS OF 2010.

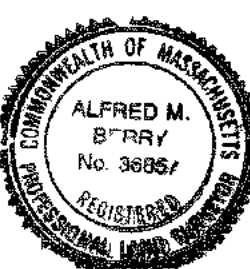
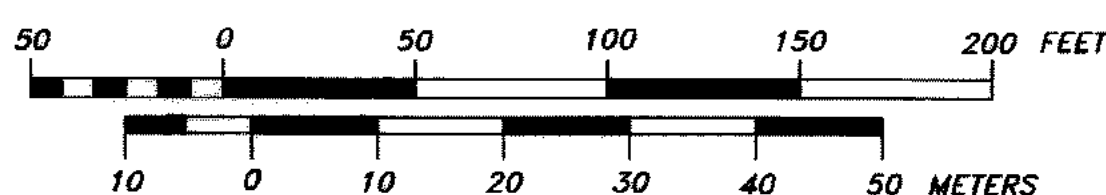
CERTIFICATIONS:

I CERTIFY THAT THE PREPARATION OF THIS PLAN CONFORMS TO THE RULES AND REGULATIONS OF THE REGISTERS OF DEEDS OF THE COMMONWEALTH OF MASSACHUSETTS.

FURTHERMORE, I HEREBY FURTHER CERTIFY THAT THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE PROCEDURAL AND TECHNICAL STANDARDS FOR THE PRACTICE OF LAND SURVEYING IN THE COMMONWEALTH OF MASSACHUSETTS.

Alfred M. Berry
ALFRED M. BERRY, P.L.S. 436857

DATE: 12/7/2012



OVERLAY DISTRICT AREAS:

WETLAND CONSERVANCY DISTRICT - 157,750 SQ. FT.±
FLOODPLAIN CONSERVANCY DISTRICT - 190,750 SQ. FT.±

MAP 8D, BLOCK 2168
WHALE ROCK LLC
BOOK 46705, PAGE 295

MAP 9D, BLOCK 2175
MATTHEW W. JOHNSON &
MARGOT B. KIMBALL
BOOK 28612, PAGE 209

TO STONE BOUND
AT COMMONWEALTH AVENUE
811.50'

MAP 9D, BLOCK 2176
PETER J. & EILEEN M.
KIMBALL
BOOK 14254, PAGE 288

TO CONCRETE BOUND
AT COMMONWEALTH AVENUE
628.85'

MAP 9D, BLOCK 2183-4
MARGARET MARY PEGGY PIZ
BOOK 24420, PAGE 5

MAP 9D, BLOCK 2183-CD
ASSABET RIVER REALTY LLC
BOOK 32540, PAGE 209

CONCORD PLANNING BOARD

APPROVAL UNDER THE SUBDIVISION CONTROL LAW
NOT REQUIRED.

Marcia Ost Rasmussen

December 19, 2012
DATE:

PLANNING BOARD ENDORSEMENT DOES NOT
CONSTITUTE CONFORMANCE WITH APPLICABLE
ZONING LAWS OF THE TOWN OF CONCORD.

MAP 9E, BLOCK 37941

NORMANDY CONCORD
ACQUISITION, LLC
BOOK 48668, PAGE 397

MASS. STATE PLANE COORDINATE SYSTEM

RIVER

NASHOBA BROOK

SHEET NO.
1
OF
1

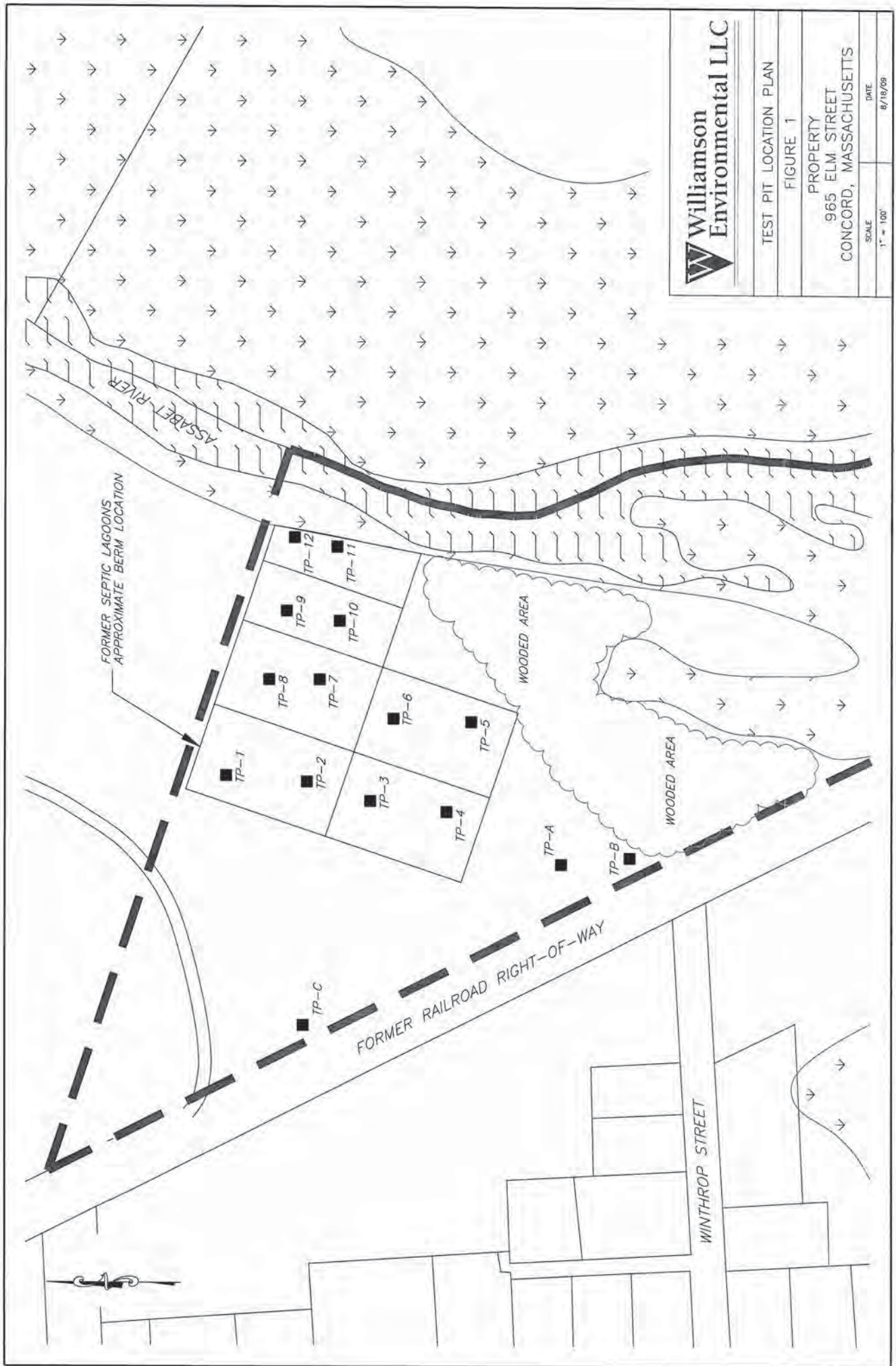
PLAN OF LAND IN CONCORD, MA
PREPARED FOR
THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF CAPITAL ASSET MANAGEMENT
AND MAINTENANCE ON BEHALF OF
THE DEPARTMENT OF CORRECTION

SURVEYOR: AMB ENGINEER: N/A
DRAFTING: AMB DESIGN: N/A
FIELD WORK: JEG, BC HORIZ SCALE: 1"=50'
PROJECT NO. 11-6002 VERT SCALE: N/A
DRAWING NAME: 6002CHDC DATE: NOVEMBER 9, 2012

REVISIONS

APPROVAL
NOT
REQUIRED

Places Associates, Inc.
Planning, Landscape Architecture,
Civil Engineering, Surveying
510 KING STREET, SUITE 9
LITTLETON, MA 01460
978.486.0334 Fax
978.486.0447
EMAIL places@verizon.net



**Williamson
Environmental LLC**

TEST PIT LOCATION PLAN

FIGURE 1

PROPERTY
965 ELM STREET
CONCORD, MASSACHUSETTS

SCALE
1" = 100'

DATE
8/18/09



Tables



Table 1 Groundwater Survey Data – October 28, 2013

Well I.D.	Elevation of Well Roadbox ¹ (feet)	Depth to Ground Water (feet)	Groundwater Elevation (feet)
EN-1	100.0	18.0	82.00
EN-2	98.42	16.08	82.34
EN-3	99.92	18.50	81.42
EN-4	97.64	16.36	81.28

1 - Measured relative to an assumed elevation of 100.00 feet established on the well casing of EN-1.



Protocols



DECONTAMINATION PROCEDURES FOR NON-DISPOSABLE SAMPLING AND FIELD EQUIPMENT

1. The following decontamination procedures apply to equipment used by ENSTRAT for sampling soil, ground water, and other environmental media and do not apply to equipment not used for these specific purposes. However, non-sampling equipment may be decontaminated using the following procedures, if desired, or as necessary.
2. Decontamination procedures outlined herein are conducted by ENSTRAT personnel who have read and understand the decontamination process.
3. Non-disposable sampling and field equipment is decontaminated prior to and after sample collection.
4. The following decontamination procedures are followed for non-disposable soil and ground-water sampling equipment:
 - A. Wash equipment with Alconox* detergent or equivalent and clean water (*Alconox is a registered trade name)
 - B. Rinse equipment thoroughly with clean water
 - C. As applicable, rinse equipment with reagent-grade methanol
 - D. Give equipment a final rinse with clean water
5. If steam cleaning equipment is available at the work site, steam cleaning of the sampling equipment may be substituted for steps A and B above.
6. In some cases, heavily contaminated equipment may require soaking for an extended period of time in a detergent solution. After, soaking, procedure 3 is followed prior to returning the equipment to use.



SOIL BORINGS

1. Soil borings are advanced by drill rig, vibratory probe, vacuum extraction, hand auger, or by other means available and applicable for the desired results (i.e. "drilling"). The term "drill rig" refers to mechanical drilling devices.
2. Drilling operations are observed by ENSTRAT personnel who have read and understand the particular drilling program in accordance with the following proper procedures and guidelines. ENSTRAT personnel may modify the program when certain unforeseen field conditions or events so dictate. ENSTRAT personnel are responsible for compiling field notes, documenting field conditions and keeping a boring log independent of the driller.
3. Drilling equipment is used, cleaned, and decontaminated in accordance with ENSTRAT's Decontamination Procedures for Non-Disposable Sampling and Field Equipment. The split spoon or probe sampler is cleaned between samples. The working end of the drill rig and all drilling equipment is clean upon arrival at the Site. The drill rig is generally observed by ENSTRAT personnel for potential contamination and malfunctioning equipment (i.e., gasoline, diesel fuel and/or hydraulic fluid leaks) before entering the Site. Potentially contaminated or malfunctioning equipment is satisfactorily remedied prior to the commencement of any boring at the Site.
4. Soil samples are collected from the surface and at subsequent five-foot intervals, unless otherwise specified. Soil samples may also be collected at any observed change in strata.
5. Soil samples collected from the boring are screened in the field for volatile organic compounds with a portable photoionization detector (PID) in accordance with ENSTRAT's Field Screening Procedure for Volatile Organic Compounds in Soil.
6. Unless otherwise specified, excavated material brought to the surface by the boring installation is left on-Site. If a ground-water monitoring well is installed in the boring, then excavated material is used to backfill the annular space above the bentonite seal (if applicable). If no ground-water monitoring well is installed in the boring, the entire boring is backfilled with the excavated material. Additional fill, if required, consists of clean fill, washed sand, or concrete, and is used to return the land to a level grade.



GROUNDWATER SAMPLING

1. Ground-water sampling is completed by ENSTRAT personnel who have read and understand the particular sampling program for accordance with the proper procedures and guidelines as follows. ENSTRAT personnel may modify the program as required by field conditions. ENSTRAT personnel document field conditions as necessary. Unless otherwise stated, ground-water samples are obtained from monitoring wells constructed in accordance with ENSTRAT's Monitoring Well Construction protocol.
2. Depth to water is determined in the monitoring well in accordance with ENSTRAT's Establishing Vertical Control protocol. Measurement of groundwater depth in the monitoring well is gauged with an electronic interface probe. Using the known or measured depth of the bottom of the well, the fluid volume in the well is calculated.
3. ENSTRAT primarily collects groundwater samples with a low-flow rate Geotech-Geopump 2 peristaltic pump. Low-flow refers to the velocity of water entering the pump intake. The Geopump is fitted with dedicated and disposable tubing consisting of ¼-inch O.D./0.17-inch I.D flexible silicon at the pump connected to high-density polyethylene inserted into the monitoring well. During the sampling process the water level in the well is monitored with the electronic interface probe and the pump flow rate is adjusted to minimize drawdown of the water level in the well. The objective is to minimize disturbance of solids in the bottom of the well and the surrounding aquifer.
4. An alternative method of sampling involves the use of a dedicated disposable polyethylene bailer. Sampling via a disposable bailer involves lowering the bailer into the water table, retrieval and emptying of the bailer into the collection bucket and repeating this procedure.
5. At least three well volumes of water are removed from each well in order to induce recharge into the well from the adjacent aquifer materials for representative ground-water sample collection. The initial water purged from the well is observed for general water quality conditions such as color and clarity and indications of a petroleum product or sheen.
6. Sample bottles are filled directly from the Geopump tubing or the disposable bailer. Care is taken to minimize disturbance of the sample during transfer. Volatile organic analysis (VOA) bottles are filled with no air spaces. Following sample collection, all sample bottles are clearly labeled and stored in a chilled cooler during delivery to the laboratory under appropriate chain-of-custody procedures.



MONITORING WELL CONSTRUCTION

1. Ground-water monitoring well constructions on the Site are observed by ENSTRAT personnel who have read and understand the particular ground-water monitoring program for accordance with proper construction procedures and guidelines as follows. ENSTRAT personnel are responsible for compiling field notes, documenting field conditions and keeping a well construction log independent of the driller.
2. Unless otherwise specified, well materials are threaded, one- or two-inch-diameter, flush jointed, schedule 40, polyvinyl chloride (PVC). Well screen length is ten feet and screen slot width is .010-inch. No PVC solvents or glues are used at any point during the monitoring well construction.
3. Well borings are typically advanced five feet below the water table or to refusal. If ground water is encountered at or near refusal, attempts may be made to advance the boring several feet into the refusal using specialized drilling methods. Unless otherwise specified, all well borings are advanced in accordance with ENSTRAT's Soil Borings protocol.
4. The well screen is set to intercept the water table surface. The top of the well screen is set above the highest anticipated seasonal water table, while the bottom of the well screen is set at the base of the boring.
5. The annular space around the well screen is backfilled with clean silica sand to approximately one foot above the top of the well screen. As necessary and if possible, a bentonite seal (typically one-foot-thick) is placed above the silica sand. The remaining annular space around the well casing is backfilled with native material to approximately six-twelve inches below grade. A protective roadbox is installed at the top of the well casing flush with the ground surface. The remaining annular space is filled with concrete to a level flush with the ground surface. Protective standpipes or other well finishing techniques are sometimes used in lieu of the standard roadboxes for Site specific purposes.



FIELD SCREENING PROCEDURE FOR VOLATILE ORGANIC COMPOUNDS (VOCs) IN SOIL

The following procedures are utilized when conducting field screening of soils utilizing a portable photoionization detector (PID). A Thermo Environmental Instruments Organic Vapor Meter (OVM) model 580B or 580S, or equivalent, is utilized. The PID uses a 10.6 eV or 11.8 eV lamp referenced to an isobutylene standard and the PID may be adjusted for a response factor, as necessary (e.g. Benzene – 0.5). Results are shown in real time as total ionizable compounds in parts per million by volume (ppmv or just ppm).

1. Half-fill a clean glass jar with the sample to be analyzed. Quickly cover the open top with a clean sheet of aluminum foil and apply screw cap to tightly seal the jar.
2. Allow headspace to develop (typically 10 minutes). Vigorously shake jars both at the beginning and end of the headspace development period. Where ambient temperatures are below 32F (0C) headspace development is done within a heated space.
3. After headspace development, remove screw lid and expose foil seal. Quickly puncture foil seal with instrument sampling probe, to a point about one-half of the headspace depth. Exercise care to avoid uptake of water droplets or soil particulates.
4. Record highest meter response as the jar headspace concentration. Erratic meter response may occur at high organic vapor concentration or conditions of elevated headspace moisture.
5. Operation, maintenance and calibration of the instrument is performed in accordance with the manufacturer's specifications. Instrument calibration is checked and recalibrated, as necessary.



ESTABLISHING VERTICAL CONTROL

1. Vertical control on-Site is established by ENSTRAT personnel who are responsible for keeping adequate field notes and electronically checking final elevations.
2. A benchmark is established on-Site using an assumed elevation of 100.00 feet. Establishment of the benchmark is completely arbitrary with no intended correlation to mean sea level or national geodetic vertical datum; the benchmark is used solely for the purposes of comparing elevations between and relative to the monitoring wells and other environmental sampling locations at the Site. All monitoring well elevations are established with respect to this benchmark.
3. Elevations are established to points on the monitoring wells as determined by field conditions. Elevations are checked by the "level loop" method or other suitable purposes. Acceptable level loop closure error is dependant upon Site conditions, but typically on the order of 0.02 feet.
4. Ground-water depths are gauged using an electronic interface probe. Gauging is done with respect to the points on the monitoring wells as established in step 3 of this protocol.
5. Final ground-water elevations are then calculated with respect to the benchmark established in step 1 of this protocol.
6. The benchmark and individual monitoring well elevations are periodically checked using similar procedures as discussed above. In addition, new survey points are added to the referenced elevations using similar methods.



Soil Boring Logs

ENSTRAT, INC Strategic Environmental Services				BORING LOG					
				Drill Rig: Geoprobe		Date Drilled: 10/21/2013		Logged By: SP	
				Boring Dia: 4 Inches		Boring Number: SB-1			
Sample	Blow Counts	Completion	PID (ppm)	Depth Feet	Lithology	Description			
	NA		<1	5		brown medium to coarse sand and gravel			
						dark brown fine to medium sand			
						tan medium to coarse sand and gravel			
	NA		<1	10					
	NA		<1	15		wet tan medium to coarse sand and gravel			
				20					
				25					
				30					
				35					
Completion Notes: Groundwater observed at about 15' feet bgs						Site: Off Winthrop Street Concord, MA 01742			
						Project No.: 2013-139		Page 1	

ENSTRAT, INC Strategic Environmental Services				BORING LOG		
Drill Rig:		Geoprobe		Date Drilled: 10/21/2013		Logged By: SP
Boring Dia:		4 Inches		Boring Number: EN-4		
Sample	Blow Counts	Completion	PID (ppm)	Depth Feet	Lithology	Description
	NA		<1	5		brown loam tan medium to coarse sand
	NA		<1	10		tan medium to coarse sand and gravel tan medium to coarse sand with some fill material (brick and wood)
	NA		<1	15		wet tan medium to coarse sand and gravel
				20		
				25		
				30		
				35		

Completion Notes:
Groundwater observed at about 13 feet bgs

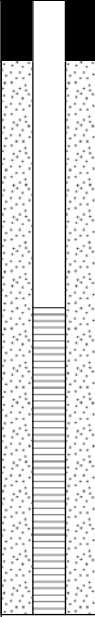
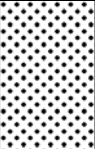
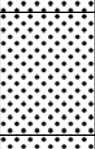
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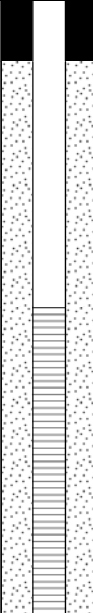
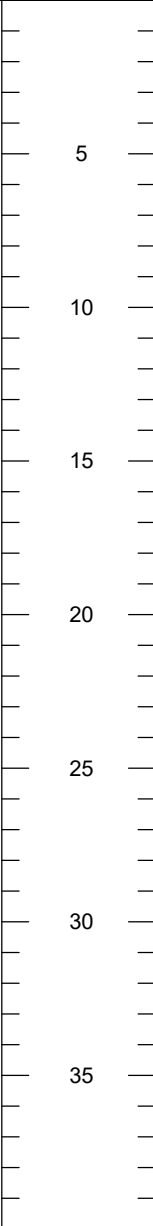
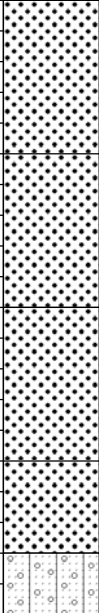
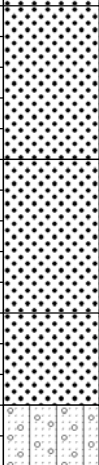
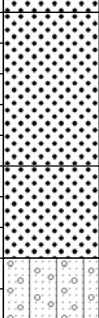
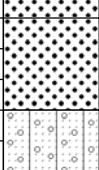
Off Winthrop Street
Concord, MA 01742

Project No.: 2013-139

Page 1

ENSTRAT, INC Strategic Environmental Services				BORING LOG		
Drill Rig:		Geoprobe		Date Drilled: 10/21/2013		Logged By: SP
Boring Dia:		4 Inches		Boring Number: EN-3		
Sample	Blow Counts	Completion	PID (ppm)	Depth Feet	Lithology	Description
	NA		<1			tan medium to coarse sand
				5		tan medium to coarse sand
	NA		<1			
				10		tan medium to coarse sand and gravel
	NA		<1			
				15		wet tan medium to coarse sand and gravel
				20		
				25		
				30		
				35		
Completion Notes: Groundwater observed at about 14' feet bgs						Site: Off Winthrop Street Concord, MA 01742
Project No.: 2013-139						Page 1

ENSTRAT, INC Strategic Environmental Services				BORING LOG					
				Drill Rig: Geoprobe		Date Drilled: 10/21/2013		Logged By: SP	
				Boring Dia: 4 Inches		Boring Number: EN-2			
Sample	Blow Counts	Completion	PID (ppm)	Depth Feet	Lithology	Description			
	NA		<1	5		tan medium to coarse sand			
	NA		<1	10		tan medium to coarse sand			
	NA		<1	15		tan medium to coarse sand and gravel			
				20		wet tan medium to coarse sand and gravel			
				25					
				30					
				35					
Completion Notes: Groundwater observed at about 14' feet bgs						Site: Off Winthrop Street Concord, MA 01742			
Project No.: 2013-139						Page 1			

ENSTRAT, INC Strategic Environmental Services				BORING LOG			
Drill Rig:		Geoprobe		Date Drilled:		10/21/2013	
Boring Dia:		4 Inches		Boring Number:		EN-1	
				Logged By:		SP	
Sample	Blow Counts	Completion	PID (ppm)	Depth Feet	Lithology	Description	
	NA		<1			tan medium to coarse sand	
	NA		<1	5		tan medium to coarse sand	
	NA		<1	10		tan medium to coarse sand and gravel	
	NA		<1	15		wet tan medium to coarse sand	
	NA		<1	20		wet tan fine sand	
				25			
				30			
				35			
Completion Notes: Groundwater observed at about 15' feet bgs						Site: Off Winthrop Street Concord, MA 01742	
Project No.: 2013-139						Page 1	

ENSTRAT, INC Strategic Environmental Services				BORING LOG		
Drill Rig:		Geoprobe		Date Drilled: 10/21/2013		Logged By: SP
Boring Dia:		4 Inches		Boring Number: SB-2		
Sample	Blow Counts	Completion	PID (ppm)	Depth Feet	Lithology	Description
	NA		<1	5		brown medium to coarse sand and gravel
						dark brown fine to medium sand
						tan medium to coarse sand and gravel
	NA		<1	10		
	NA		<1	15		wet tan medium to coarse sand and gravel
				20		
				25		
				30		
				35		
Completion Notes: Groundwater observed at about 15' feet bgs						Site: Off Winthrop Street Concord, MA 01742
Project No.: 2013-139						Page 1



Laboratory Data



ANALYTICAL REPORT

Lab Number:	L1321248
Client:	Enstrat 28 Lord Road Suite 205 Marlboro, MA 01752
ATTN:	Stacy Paquette
Phone:	(508) 460-6100
Project Name:	OFF WINTHROP STREET
Project Number:	2013-139
Report Date:	10/30/13

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), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LA000065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: OFF WINTHROP STREET
Project Number: 2013-139

Lab Number: L1321248
Report Date: 10/30/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1321248-01	SB-1 (4'-6')	CONCORD, MA	10/21/13 12:00
L1321248-02	SB-1 (9'-11')	CONCORD, MA	10/21/13 12:00
L1321248-03	SB-2 (4'-6')	CONCORD, MA	10/21/13 13:00
L1321248-04	SB-2 (9'-11')	CONCORD, MA	10/21/13 13:00
L1321248-05	EN-3 (4'-6')	CONCORD, MA	10/21/13 14:00
L1321248-06	EN-3 (9'-11')	CONCORD, MA	10/21/13 14:00
L1321248-07	EN-4 (4'-6')	CONCORD, MA	10/21/13 15:00

Project Name: OFF WINTHROP STREET

Lab Number: L1321248

Project Number: 2013-139

Report Date: 10/30/13

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?	NO
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)?	NO
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: OFF WINTHROP STREET
Project Number: 2013-139

Lab Number: L1321248
Report Date: 10/30/13

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. 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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated 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.

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 table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

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 Client Service Representative 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 Client Services at 800-624-9220 with any questions.

Project Name: OFF WINTHROP STREET
Project Number: 2013-139

Lab Number: L1321248
Report Date: 10/30/13

Case Narrative (continued)

MCP Related Narratives

Sample Receipt

In reference to question H:

A Matrix Spike was not submitted for the analyses of Total Metals and Hexavalent Chromium.

Metals

In reference to question I:

All samples were analyzed for a subset of MCP elements per the Chain of Custody.

Chromium, Hexavalent

LCS/LCSD SRM Lot#: ERA D081-921

In reference to question A:

The analyses of pH and ORP were performed beyond the required 24hr holding time specified per the Sample Collection, Preservation, and Handling Procedures for Hexavalent Chromium (Cr(VI)) by WSC-CAM-VI B.

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: 10/30/13

METALS

Project Name: OFF WINTHROP STREET**Lab Number:** L1321248**Project Number:** 2013-139**Report Date:** 10/30/13**SAMPLE RESULTS**

Lab ID: L1321248-01

Date Collected: 10/21/13 12:00

Client ID: SB-1 (4'-6')

Date Received: 10/22/13

Sample Location: CONCORD, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab											
Chromium, Total	60		mg/kg	0.42	--	1	10/25/13 11:35	10/28/13 20:30	EPA 3050B	97,6010C	TT



Project Name: OFF WINTHROP STREET**Lab Number:** L1321248**Project Number:** 2013-139**Report Date:** 10/30/13**SAMPLE RESULTS**

Lab ID: L1321248-02

Date Collected: 10/21/13 12:00

Client ID: SB-1 (9'-11')

Date Received: 10/22/13

Sample Location: CONCORD, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab											
Chromium, Total	23		mg/kg	0.42	--	1	10/25/13 11:35	10/28/13 20:33	EPA 3050B	97,6010C	TT



Project Name: OFF WINTHROP STREET**Lab Number:** L1321248**Project Number:** 2013-139**Report Date:** 10/30/13**SAMPLE RESULTS**

Lab ID: L1321248-03

Date Collected: 10/21/13 13:00

Client ID: SB-2 (4'-6')

Date Received: 10/22/13

Sample Location: CONCORD, MA

Field Prep: Not Specified

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 - Westborough Lab											
Chromium, Total	17		mg/kg	0.42	--	1	10/25/13 11:35	10/28/13 20:37	EPA 3050B	97,6010C	TT



Project Name: OFF WINTHROP STREET**Lab Number:** L1321248**Project Number:** 2013-139**Report Date:** 10/30/13**SAMPLE RESULTS**

Lab ID: L1321248-04

Date Collected: 10/21/13 13:00

Client ID: SB-2 (9'-11')

Date Received: 10/22/13

Sample Location: CONCORD, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab											
Chromium, Total	22		mg/kg	0.41	--	1	10/25/13 11:35	10/28/13 20:40	EPA 3050B	97,6010C	TT



Project Name: OFF WINTHROP STREET**Lab Number:** L1321248**Project Number:** 2013-139**Report Date:** 10/30/13**SAMPLE RESULTS**

Lab ID: L1321248-05

Date Collected: 10/21/13 14:00

Client ID: EN-3 (4'-6')

Date Received: 10/22/13

Sample Location: CONCORD, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab											
Chromium, Total	28		mg/kg	0.38	--	1	10/25/13 11:35	10/28/13 20:44	EPA 3050B	97,6010C	TT



Project Name: OFF WINTHROP STREET**Lab Number:** L1321248**Project Number:** 2013-139**Report Date:** 10/30/13**SAMPLE RESULTS**

Lab ID: L1321248-06

Date Collected: 10/21/13 14:00

Client ID: EN-3 (9'-11')

Date Received: 10/22/13

Sample Location: CONCORD, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst

MCP Total Metals - Westborough Lab

Chromium, Total	34		mg/kg	0.41	--	1	10/25/13 11:35	10/28/13 20:47	EPA 3050B	97,6010C	TT



Project Name: OFF WINTHROP STREET**Lab Number:** L1321248**Project Number:** 2013-139**Report Date:** 10/30/13**SAMPLE RESULTS**

Lab ID: L1321248-07

Date Collected: 10/21/13 15:00

Client ID: EN-4 (4'-6')

Date Received: 10/22/13

Sample Location: CONCORD, MA

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 98%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab											
Chromium, Total	46		mg/kg	0.39	--	1	10/25/13 11:35	10/28/13 20:51	EPA 3050B	97,6010C	TT



Project Name: OFF WINTHROP STREET

Lab Number: L1321248

Project Number: 2013-139

Report Date: 10/30/13

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Westborough Lab for sample(s): 01-07 Batch: WG646999-1										
Chromium, Total	ND		mg/kg	0.40	--	1	10/25/13 11:35	10/28/13 19:51	97,6010C	TT

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis**Batch Quality Control****Project Name:** OFF WINTHROP STREET**Project Number:** 2013-139**Lab Number:** L1321248**Report Date:** 10/30/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Westborough Lab Associated sample(s): 01-07 Batch: WG646999-2 WG646999-3 SRM Lot Number: 0518-10-02								
Chromium, Total	92		92		80-119	0		30

INORGANICS & MISCELLANEOUS

Project Name: OFF WINTHROP STREET
Project Number: 2013-139

Lab Number: L1321248
Report Date: 10/30/13

SAMPLE RESULTS

Lab ID: L1321248-01
Client ID: SB-1 (4'-6')
Sample Location: CONCORD, MA
Matrix: Soil

Date Collected: 10/21/13 12:00
Date Received: 10/22/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP General Chemistry - Westborough Lab										
Chromium, Hexavalent	ND		mg/kg	0.86	--	1	10/23/13 15:00	10/24/13 15:36	97,7196A	ST
General Chemistry - Westborough Lab										
Chromium, Trivalent	60		mg/kg	0.86	--	1	-	10/29/13 10:08	107,-	JO
Solids, Total	92.9		%	0.100	NA	1	-	10/24/13 00:48	30,2540G	RT
pH (H)	7.7		SU	-	NA	1	-	10/23/13 13:30	1,9045D	ML
Oxidation/Reduction Potential	220		mv	-	NA	1	-	10/23/13 13:30	68,1498	ML



Project Name: OFF WINTHROP STREET
Project Number: 2013-139

Lab Number: L1321248
Report Date: 10/30/13

SAMPLE RESULTS

Lab ID: L1321248-02
Client ID: SB-1 (9'-11')
Sample Location: CONCORD, MA
Matrix: Soil

Date Collected: 10/21/13 12:00
Date Received: 10/22/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP General Chemistry - Westborough Lab										
Chromium, Hexavalent	ND		mg/kg	0.87	--	1	10/23/13 15:00	10/24/13 15:36	97,7196A	ST
General Chemistry - Westborough Lab										
Chromium, Trivalent	23		mg/kg	0.87	--	1	-	10/29/13 10:08	107,-	JO
Solids, Total	91.5		%	0.100	NA	1	-	10/24/13 00:48	30,2540G	RT
pH (H)	8.4		SU	-	NA	1	-	10/23/13 13:30	1,9045D	ML
Oxidation/Reduction Potential	180		mv	-	NA	1	-	10/23/13 13:30	68,1498	ML



Project Name: OFF WINTHROP STREET
Project Number: 2013-139

Lab Number: L1321248
Report Date: 10/30/13

SAMPLE RESULTS

Lab ID: L1321248-03
Client ID: SB-2 (4'-6')
Sample Location: CONCORD, MA
Matrix: Soil

Date Collected: 10/21/13 13:00
Date Received: 10/22/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP General Chemistry - Westborough Lab										
Chromium, Hexavalent	ND		mg/kg	0.89	--	1	10/23/13 15:00	10/24/13 15:37	97,7196A	ST
General Chemistry - Westborough Lab										
Chromium, Trivalent	17		mg/kg	0.89	--	1	-	10/29/13 10:08	107,-	JO
Solids, Total	89.6		%	0.100	NA	1	-	10/24/13 00:48	30,2540G	RT
pH (H)	8.3		SU	-	NA	1	-	10/23/13 13:30	1,9045D	ML
Oxidation/Reduction Potential	180		mv	-	NA	1	-	10/23/13 13:30	68,1498	ML



Project Name: OFF WINTHROP STREET
Project Number: 2013-139

Lab Number: L1321248
Report Date: 10/30/13

SAMPLE RESULTS

Lab ID: L1321248-04
Client ID: SB-2 (9'-11')
Sample Location: CONCORD, MA
Matrix: Soil

Date Collected: 10/21/13 13:00
Date Received: 10/22/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP General Chemistry - Westborough Lab										
Chromium, Hexavalent	ND		mg/kg	0.87	--	1	10/23/13 15:00	10/24/13 15:37	97,7196A	ST
General Chemistry - Westborough Lab										
Chromium, Trivalent	22		mg/kg	0.87	--	1	-	10/29/13 10:08	107,-	JO
Solids, Total	92.3		%	0.100	NA	1	-	10/24/13 00:48	30,2540G	RT
pH (H)	7.7		SU	-	NA	1	-	10/23/13 13:30	1,9045D	ML
Oxidation/Reduction Potential	200		mv	-	NA	1	-	10/23/13 13:30	68,1498	ML



Project Name: OFF WINTHROP STREET
Project Number: 2013-139

Lab Number: L1321248
Report Date: 10/30/13

SAMPLE RESULTS

Lab ID: L1321248-05
Client ID: EN-3 (4'-6')
Sample Location: CONCORD, MA
Matrix: Soil

Date Collected: 10/21/13 14:00
Date Received: 10/22/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP General Chemistry - Westborough Lab										
Chromium, Hexavalent	ND		mg/kg	0.82	--	1	10/23/13 15:00	10/24/13 15:38	97,7196A	ST
General Chemistry - Westborough Lab										
Chromium, Trivalent	28		mg/kg	0.82	--	1	-	10/29/13 10:08	107,-	JO
Solids, Total	97.1		%	0.100	NA	1	-	10/24/13 00:48	30,2540G	RT
pH (H)	4.5		SU	-	NA	1	-	10/23/13 13:30	1,9045D	ML
Oxidation/Reduction Potential	360		mv	-	NA	1	-	10/23/13 13:30	68,1498	ML



Project Name: OFF WINTHROP STREET
Project Number: 2013-139

Lab Number: L1321248
Report Date: 10/30/13

SAMPLE RESULTS

Lab ID: L1321248-06
Client ID: EN-3 (9'-11')
Sample Location: CONCORD, MA
Matrix: Soil

Date Collected: 10/21/13 14:00
Date Received: 10/22/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP General Chemistry - Westborough Lab										
Chromium, Hexavalent	0.87		mg/kg	0.83	--	1	10/23/13 15:00	10/24/13 15:38	97,7196A	ST
General Chemistry - Westborough Lab										
Chromium, Trivalent	33		mg/kg	0.83	--	1	-	10/29/13 10:08	107,-	JO
Solids, Total	96.1		%	0.100	NA	1	-	10/24/13 00:48	30,2540G	RT
pH (H)	4.3		SU	-	NA	1	-	10/23/13 13:30	1,9045D	ML
Oxidation/Reduction Potential	360		mv	-	NA	1	-	10/23/13 13:30	68,1498	ML



Project Name: OFF WINTHROP STREET
Project Number: 2013-139

Lab Number: L1321248
Report Date: 10/30/13

SAMPLE RESULTS

Lab ID: L1321248-07
Client ID: EN-4 (4'-6')
Sample Location: CONCORD, MA
Matrix: Soil

Date Collected: 10/21/13 15:00
Date Received: 10/22/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP General Chemistry - Westborough Lab										
Chromium, Hexavalent	ND		mg/kg	0.82	--	1	10/23/13 15:00	10/24/13 15:39	97,7196A	ST
General Chemistry - Westborough Lab										
Chromium, Trivalent	46		mg/kg	0.82	--	1	-	10/29/13 10:08	107,-	JO
Solids, Total	97.8		%	0.100	NA	1	-	10/24/13 00:48	30,2540G	RT
pH (H)	6.8		SU	-	NA	1	-	10/23/13 13:30	1,9045D	ML
Oxidation/Reduction Potential	300		mv	-	NA	1	-	10/23/13 13:30	68,1498	ML



Project Name: OFF WINTHROP STREET**Lab Number:** L1321248**Project Number:** 2013-139**Report Date:** 10/30/13**Method Blank Analysis**
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP General Chemistry - Westborough Lab for sample(s): 01-07 Batch: WG646428-1										
Chromium, Hexavalent	ND		mg/kg	0.80	--	1	10/23/13 15:00	10/24/13 15:19	97,7196A	ST

Lab Control Sample Analysis**Batch Quality Control****Project Name:** OFF WINTHROP STREET**Project Number:** 2013-139**Lab Number:** L1321248**Report Date:** 10/30/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-07 Batch: WG646362-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-07 Batch: WG646364-1								
Oxidation/Reduction Potential	102		-		90-110	-		20
MCP General Chemistry - Westborough Lab Associated sample(s): 01-07 Batch: WG646428-2 WG646428-3								
Chromium, Hexavalent	93		88		70-129	6		20

Project Name: OFF WINTHROP STREET
Project Number: 2013-139

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L1321248
Report Date: 10/30/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG646362-2 QC Sample: L1321248-01 Client ID: SB-1 (4'-6')						
pH (H)	7.7	7.6	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG646364-2 QC Sample: L1321248-01 Client ID: SB-1 (4'-6')						
Oxidation/Reduction Potential	220	220	mv	0		20
General Chemistry - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG646498-1 QC Sample: L1321089-01 Client ID: DUP Sample						
Solids, Total	75.4	77.1	%	2		20

Project Name: OFF WINTHROP STREET**Project Number:** 2013-139**Lab Number:** L1321248**Report Date:** 10/30/13**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA**Cooler Information Custody Seal****Cooler**

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1321248-01A	Amber 250ml unpreserved	A	N/A	4.1	Y	Absent	MCP-CR-6010T-10(180),ORP-9045(1),MCP-HEXCR7196-10(30),TRICR-CALC(30),TS(7),PH-9045(1)
L1321248-02A	Amber 250ml unpreserved	A	N/A	4.1	Y	Absent	MCP-CR-6010T-10(180),ORP-9045(1),MCP-HEXCR7196-10(30),TRICR-CALC(30),TS(7),PH-9045(1)
L1321248-03A	Amber 250ml unpreserved	A	N/A	4.1	Y	Absent	MCP-CR-6010T-10(180),ORP-9045(1),MCP-HEXCR7196-10(30),TRICR-CALC(30),TS(7),PH-9045(1)
L1321248-04A	Amber 250ml unpreserved	A	N/A	4.1	Y	Absent	MCP-CR-6010T-10(180),ORP-9045(1),MCP-HEXCR7196-10(30),TRICR-CALC(30),TS(7),PH-9045(1)
L1321248-05A	Amber 250ml unpreserved	A	N/A	4.1	Y	Absent	MCP-CR-6010T-10(180),ORP-9045(1),MCP-HEXCR7196-10(30),TRICR-CALC(30),TS(7),PH-9045(1)
L1321248-06A	Amber 250ml unpreserved	A	N/A	4.1	Y	Absent	MCP-CR-6010T-10(180),ORP-9045(1),MCP-HEXCR7196-10(30),TRICR-CALC(30),TS(7),PH-9045(1)
L1321248-07A	Amber 250ml unpreserved	A	N/A	4.1	Y	Absent	MCP-CR-6010T-10(180),ORP-9045(1),MCP-HEXCR7196-10(30),TRICR-CALC(30),TS(7),PH-9045(1)

*Values in parentheses indicate holding time in days



Project Name: OFF WINTHROP STREET
Project Number: 2013-139

Lab Number: L1321248
Report Date: 10/30/13

GLOSSARY

Acronyms

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).
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.
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.
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.
NI	- Not Ignitable.
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.

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.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- 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.
- 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.
- 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.

Report Format: Data Usability Report



Project Name: OFF WINTHROP STREET**Lab Number:** L1321248**Project Number:** 2013-139**Report Date:** 10/30/13**Data Qualifiers**

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- 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.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the reporting limit (RL) for the sample.

Project Name: OFF WINTHROP STREET
Project Number: 2013-139

Lab Number: L1321248
Report Date: 10/30/13

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
- 68 Annual Book of ASTM (American Society for Testing and Materials) Standards following extraction by SW-846 EPA Method 9045C under the requirements of MADEP BWSC, WSC-CAM-VIB. August 2004.
- 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.
- 107 Alpha Analytical - In-house calculation method.

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.



Certificate/Approval Program Summary

Last revised October 1, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. NELAP Accredited Solid Waste/Soil.

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

State of Illinois Certificate/Lab ID: 003155. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.)

Hazardous and Solid Waste (Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.)

Maine Department of Human Services Certificate/Lab ID: 2009024.

Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500CI-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CI-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. *Organic Parameters:* ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.

Drinking Water (Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, 2320B, SM2540C, SM4500H-B. *Organic Parameters:* (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. *Microbiology Parameters:* SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

Non-Potable Water (Inorganic Parameters: (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: 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-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. *Microbiology Parameters:* (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. *Organic Parameters:* 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. *Organic Parameters:* SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. *Organic Parameters:* SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. NELAP Accredited.

Drinking Water (Organic Parameters: **EPA 524.2:** Di-isopropyl ether (DIPE), Ethyl-t-butyl ether (ETBE), Tert-amyl methyl ether (TAME)).

Non-Potable Water (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.)

Solid & Chemical Materials (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. *Organic Parameters:* EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500CI-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310C, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, 4500SO4-E, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. *Organic Parameters:* SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 5030C, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Page 32 of 35 *Solid & Chemical Materials (Inorganic Parameters:* SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5030C, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO₃-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH₃-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO₃-F, 4500-NO₂-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330A, 8082A, EPA 3510C, 5030B, 5030C, 8015C, 8011.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330A, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500CI-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO₃-F, 353.2, 4500P-E, 4500SO₄-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311, 1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. NELAP Accredited.

Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO₃-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A, 3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P, BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500CI-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH₃-H, 4500NO₂-B, 4500NO₃-F, 4500S-D, 4500SO₃-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH₃-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. NELAP Accredited via NJ-DEP.

Refer to MA-DEP Certificate for Potable and Non-Potable Water.

Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commissoon on Environmental Quality Certificate/Lab ID: T104704476. NELAP Accredited.

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH₃-H, 4500NO₂B, 4500P-E, 4500 S₂-D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. NELAP Accredited.

Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO₃-F, 4500H+B, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500CI-E, 4500F-B, 4500F-C,

4500NH₃-H, 4500NO₂-B, 4500NO₃-F, 4500 SO₃-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm 9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.

Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO₃-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:

EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether. **EPA 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane (methyl iodide), Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether (TAME), Diisopropyl ether (DIPE), Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnaphthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, TKN in a soil matrix, NO₂ in a soil matrix, NO₃ in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

320 Forbes Blvd
Mansfield, MA 02048
Tel: 608-822-8300

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ALPHA Job #: 21321240

Billing Information

PO#:

☒ 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 *47* Criteria _____

Email: SPAQUETTE@ENSTRAT.NET

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: 10/27/13

Additional Project Information:

* analyze for Hexavalent/trivalent Chromium
first then total chromium (only 1 certian)

[illegible]

P= Plastic
A= Amber glass
V= Vial
G= Glass
B= Bacteria cup
C= Cube
O= Other
E= Encore
D= BOD Bottle

A= None
B= HCl
C= HNO₃
D= H₂SO₄
E= NaOH
F= MeOH
G= NaHSO₄
H= Na₂S₂O₃
I= Ascorbic Acid
J= NH₄Cl
K= Zn Acetate

Preservative

P A

Relinquished By:

Date/Time

Received By:

Date/Time

All samples submitted are subject to Alpha's Terms and Conditions.
See reverse side.



ANALYTICAL REPORT

Lab Number:	L1321719
Client:	Enstrat 28 Lord Road Suite 205 Marlboro, MA 01752
ATTN:	Stacy Paquette
Phone:	(508) 460-6100
Project Name:	OFF WINTHROP STREET
Project Number:	2013-139
Report Date:	11/04/13

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), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: OFF WINTHROP STREET
Project Number: 2013-139

Lab Number: L1321719
Report Date: 11/04/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1321719-01	EN-1	CONCORD, MA	10/28/13 10:30
L1321719-02	EN-2	CONCORD, MA	10/28/13 11:30
L1321719-03	EN-3	CONCORD, MA	10/28/13 12:30
L1321719-04	EN-4	CONCORD, MA	10/28/13 13:00

Project Name: OFF WINTHROP STREET

Lab Number: L1321719

Project Number: 2013-139

Report Date: 11/04/13

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)?	NO
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: OFF WINTHROP STREET
Project Number: 2013-139

Lab Number: L1321719
Report Date: 11/04/13

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. 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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated 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.

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 table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

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 Client Service Representative 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 Client Services at 800-624-9220 with any questions.

Project Name: OFF WINTHROP STREET
Project Number: 2013-139

Lab Number: L1321719
Report Date: 11/04/13

Case Narrative (continued)

MCP Related Narratives

Sample Receipt

The sample L1321719-04 was field filtered for Dissolved Metals.

Volatile Organics

In reference to question H:

The initial calibration, associated with L1321719-01 through -04, did not meet the method required minimum response factor on the lowest calibration standard for acetone (0.09797), 1,4-dioxane (0.00162), 4-methyl-2-pentanone (0.06504), as well as the average response factor for acetone, 1,4-dioxane, and 4-methyl-2-pentanone.

The continuing calibration standard, associated with L1321719-01 through -04, is outside the acceptance criteria for several compounds; however, it is within overall method allowances. A copy of the continuing calibration standard is included as an addendum to this report.

EPH

In reference to question I:

All samples were analyzed for a subset of MCP compounds per the Chain of Custody.

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:

 Cynthia McQueen

Title: Technical Director/Representative

Date: 11/04/13

ORGANICS

VOLATILES

Project Name: OFF WINTHROP STREET**Lab Number:** L1321719**Project Number:** 2013-139**Report Date:** 11/04/13**SAMPLE RESULTS**

Lab ID: L1321719-01
Client ID: EN-1
Sample Location: CONCORD, MA
Matrix: Water
Analytical Method: 97,8260C
Analytical Date: 11/01/13 14:38
Analyst: RY

Date Collected: 10/28/13 10:30
Date Received: 10/28/13
Field Prep: Not Specified

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	1.2		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	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	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
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

Project Name: OFF WINTHROP STREET**Lab Number:** L1321719**Project Number:** 2013-139**Report Date:** 11/04/13**SAMPLE RESULTS**

Lab ID: L1321719-01

Date Collected: 10/28/13 10:30

Client ID: EN-1

Date Received: 10/28/13

Sample Location: CONCORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
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
cis-1,2-Dichloroethene	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
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	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
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
Ethyl ether	ND		ug/l	2.0	--	1
Isopropyl 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

Project Name: OFF WINTHROP STREET**Lab Number:** L1321719**Project Number:** 2013-139**Report Date:** 11/04/13**SAMPLE RESULTS**

Lab ID: L1321719-01
 Client ID: EN-1
 Sample Location: CONCORD, MA

Date Collected: 10/28/13 10:30
 Date Received: 10/28/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
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	100		70-130
Dibromofluoromethane	99		70-130

Project Name: OFF WINTHROP STREET**Lab Number:** L1321719**Project Number:** 2013-139**Report Date:** 11/04/13**SAMPLE RESULTS**

Lab ID: L1321719-02
Client ID: EN-2
Sample Location: CONCORD, MA
Matrix: Water
Analytical Method: 97,8260C
Analytical Date: 11/01/13 15:10
Analyst: RY

Date Collected: 10/28/13 11:30
Date Received: 10/28/13
Field Prep: Not Specified

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	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	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
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

Project Name: OFF WINTHROP STREET**Lab Number:** L1321719**Project Number:** 2013-139**Report Date:** 11/04/13**SAMPLE RESULTS**

Lab ID: L1321719-02

Date Collected: 10/28/13 11:30

Client ID: EN-2

Date Received: 10/28/13

Sample Location: CONCORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
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
cis-1,2-Dichloroethene	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
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	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
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
Ethyl ether	ND		ug/l	2.0	--	1
Isopropyl 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

Project Name: OFF WINTHROP STREET**Lab Number:** L1321719**Project Number:** 2013-139**Report Date:** 11/04/13**SAMPLE RESULTS**

Lab ID: L1321719-02
 Client ID: EN-2
 Sample Location: CONCORD, MA

Date Collected: 10/28/13 11:30
 Date Received: 10/28/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	100		70-130

Project Name: OFF WINTHROP STREET**Lab Number:** L1321719**Project Number:** 2013-139**Report Date:** 11/04/13**SAMPLE RESULTS**

Lab ID: L1321719-03
Client ID: EN-3
Sample Location: CONCORD, MA
Matrix: Water
Analytical Method: 97,8260C
Analytical Date: 11/01/13 15:41
Analyst: RY

Date Collected: 10/28/13 12:30
Date Received: 10/28/13
Field Prep: Not Specified

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	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	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
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

Project Name: OFF WINTHROP STREET**Lab Number:** L1321719**Project Number:** 2013-139**Report Date:** 11/04/13**SAMPLE RESULTS**

Lab ID: L1321719-03

Date Collected: 10/28/13 12:30

Client ID: EN-3

Date Received: 10/28/13

Sample Location: CONCORD, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
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
cis-1,2-Dichloroethene	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
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	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
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
Ethyl ether	ND		ug/l	2.0	--	1
Isopropyl 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

Project Name: OFF WINTHROP STREET**Lab Number:** L1321719**Project Number:** 2013-139**Report Date:** 11/04/13**SAMPLE RESULTS**

Lab ID: L1321719-03
 Client ID: EN-3
 Sample Location: CONCORD, MA

Date Collected: 10/28/13 12:30
 Date Received: 10/28/13
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	100		70-130

Project Name: OFF WINTHROP STREET**Lab Number:** L1321719**Project Number:** 2013-139**Report Date:** 11/04/13**SAMPLE RESULTS**

Lab ID: L1321719-04
Client ID: EN-4
Sample Location: CONCORD, MA
Matrix: Water
Analytical Method: 97,8260C
Analytical Date: 11/01/13 16:13
Analyst: RY

Date Collected: 10/28/13 13:00
Date Received: 10/28/13
Field Prep: See Narrative

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	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	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
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

Project Name: OFF WINTHROP STREET**Lab Number:** L1321719**Project Number:** 2013-139**Report Date:** 11/04/13**SAMPLE RESULTS**

Lab ID: L1321719-04

Date Collected: 10/28/13 13:00

Client ID: EN-4

Date Received: 10/28/13

Sample Location: CONCORD, MA

Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
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
cis-1,2-Dichloroethene	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
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	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
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
Ethyl ether	ND		ug/l	2.0	--	1
Isopropyl 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

Project Name: OFF WINTHROP STREET**Lab Number:** L1321719**Project Number:** 2013-139**Report Date:** 11/04/13**SAMPLE RESULTS**

Lab ID: L1321719-04
 Client ID: EN-4
 Sample Location: CONCORD, MA

Date Collected: 10/28/13 13:00
 Date Received: 10/28/13
 Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	102		70-130

Project Name: OFF WINTHROP STREET

Lab Number: L1321719

Project Number: 2013-139

Report Date: 11/04/13

Method Blank Analysis Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 11/01/13 12:32
 Analyst: RY

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-04 Batch: WG648829-3					
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	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
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	--
1,2-Dichlorobenzene	ND		ug/l	1.0	--
1,3-Dichlorobenzene	ND		ug/l	1.0	--
1,4-Dichlorobenzene	ND		ug/l	1.0	--

Project Name: OFF WINTHROP STREET

Lab Number: L1321719

Project Number: 2013-139

Report Date: 11/04/13

Method Blank Analysis Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 11/01/13 12:32
 Analyst: RY

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-04 Batch: WG648829-3					
Methyl tert butyl ether	ND		ug/l	2.0	--
p/m-Xylene	ND		ug/l	2.0	--
o-Xylene	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	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	--
2-Butanone	ND		ug/l	5.0	--
4-Methyl-2-pentanone	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	--
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	--

Project Name: OFF WINTHROP STREET

Lab Number: L1321719

Project Number: 2013-139

Report Date: 11/04/13

Method Blank Analysis Batch Quality Control

Analytical Method: 97,8260C
 Analytical Date: 11/01/13 12:32
 Analyst: RY

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-04 Batch: WG648829-3					
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	--
Ethyl ether	ND		ug/l	2.0	--
Isopropyl 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	103		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: OFF WINTHROP STREET

Project Number: 2013-139

Lab Number: L1321719

Report Date: 11/04/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-04 Batch: WG648829-1 WG648829-2								
Methylene chloride	100		104		70-130	4		20
1,1-Dichloroethane	97		105		70-130	8		20
Chloroform	97		105		70-130	8		20
Carbon tetrachloride	69	Q	79		70-130	14		20
1,2-Dichloropropane	99		105		70-130	6		20
Dibromochloromethane	103		110		70-130	7		20
1,1,2-Trichloroethane	108		113		70-130	5		20
Tetrachloroethene	102		111		70-130	8		20
Chlorobenzene	101		109		70-130	8		20
Trichlorofluoromethane	94		103		70-130	9		20
1,2-Dichloroethane	100		105		70-130	5		20
1,1,1-Trichloroethane	95		104		70-130	9		20
Bromodichloromethane	95		102		70-130	7		20
trans-1,3-Dichloropropene	104		111		70-130	7		20
cis-1,3-Dichloropropene	101		107		70-130	6		20
1,1-Dichloropropene	97		106		70-130	9		20
Bromoform	101		106		70-130	5		20
1,1,2,2-Tetrachloroethane	110		116		70-130	5		20
Benzene	98		106		70-130	8		20
Toluene	101		109		70-130	8		20
Ethylbenzene	101		110		70-130	9		20

Lab Control Sample Analysis Batch Quality Control

Project Name: OFF WINTHROP STREET

Project Number: 2013-139

Lab Number: L1321719

Report Date: 11/04/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-04 Batch: WG648829-1 WG648829-2								
Chloromethane	111		120		70-130	8		20
Bromomethane	95		103		70-130	8		20
Vinyl chloride	98		110		70-130	12		20
Chloroethane	99		107		70-130	8		20
1,1-Dichloroethene	100		110		70-130	10		20
trans-1,2-Dichloroethene	98		106		70-130	8		20
Trichloroethene	98		105		70-130	7		20
1,2-Dichlorobenzene	106		111		70-130	5		20
1,3-Dichlorobenzene	104		108		70-130	4		20
1,4-Dichlorobenzene	104		108		70-130	4		20
Methyl tert butyl ether	81		86		70-130	6		20
p/m-Xylene	102		109		70-130	7		20
o-Xylene	104		110		70-130	6		20
cis-1,2-Dichloroethene	99		103		70-130	4		20
Dibromomethane	105		108		70-130	3		20
1,2,3-Trichloropropane	108		114		70-130	5		20
Styrene	105		111		70-130	6		20
Dichlorodifluoromethane	96		106		70-130	10		20
Acetone	151	Q	161	Q	70-130	6		20
Carbon disulfide	92		101		70-130	9		20
2-Butanone	136	Q	139	Q	70-130	2		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: OFF WINTHROP STREET

Project Number: 2013-139

Lab Number: L1321719

Report Date: 11/04/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-04 Batch: WG648829-1 WG648829-2								
4-Methyl-2-pentanone	106		117		70-130	10		20
2-Hexanone	126		127		70-130	1		20
Bromochloromethane	102		107		70-130	5		20
Tetrahydrofuran	114		120		70-130	5		20
2,2-Dichloropropane	83		90		70-130	8		20
1,2-Dibromoethane	109		116		70-130	6		20
1,3-Dichloropropane	107		113		70-130	5		20
1,1,1,2-Tetrachloroethane	96		105		70-130	9		20
Bromobenzene	104		109		70-130	5		20
n-Butylbenzene	101		106		70-130	5		20
sec-Butylbenzene	102		109		70-130	7		20
tert-Butylbenzene	101		108		70-130	7		20
o-Chlorotoluene	99		105		70-130	6		20
p-Chlorotoluene	100		106		70-130	6		20
1,2-Dibromo-3-chloropropane	115		118		70-130	3		20
Hexachlorobutadiene	98		104		70-130	6		20
Isopropylbenzene	103		111		70-130	7		20
p-Isopropyltoluene	104		109		70-130	5		20
Naphthalene	111		115		70-130	4		20
n-Propylbenzene	101		107		70-130	6		20
1,2,3-Trichlorobenzene	111		118		70-130	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: OFF WINTHROP STREET

Project Number: 2013-139

Lab Number: L1321719

Report Date: 11/04/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-04 Batch: WG648829-1 WG648829-2								
1,2,4-Trichlorobenzene	108		115		70-130	6		20
1,3,5-Trimethylbenzene	102		108		70-130	6		20
1,2,4-Trimethylbenzene	101		107		70-130	6		20
Ethyl ether	106		111		70-130	5		20
Isopropyl Ether	100		106		70-130	6		20
Ethyl-Tert-Butyl-Ether	97		103		70-130	6		20
Tertiary-Amyl Methyl Ether	102		107		70-130	5		20
1,4-Dioxane	114		111		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		102		70-130
Toluene-d8	103		101		70-130
4-Bromofluorobenzene	97		97		70-130
Dibromofluoromethane	101		99		70-130

PETROLEUM HYDROCARBONS

Project Name: OFF WINTHROP STREET**Lab Number:** L1321719**Project Number:** 2013-139**Report Date:** 11/04/13**SAMPLE RESULTS**

Lab ID: L1321719-01
Client ID: EN-1
Sample Location: CONCORD, MA
Matrix: Water
Analytical Method: 98,EPH-04-1.1
Analytical Date: 10/31/13 21:02
Analyst: SR

Date Collected: 10/28/13 10:30
Date Received: 10/28/13
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 10/29/13 22:38
Cleanup Method1: EPH-04-1
Cleanup Date1: 10/30/13

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
Extractable Petroleum Hydrocarbons - 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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	59		40-140
o-Terphenyl	71		40-140
2-Fluorobiphenyl	75		40-140
2-Bromonaphthalene	74		40-140

Project Name: OFF WINTHROP STREET**Lab Number:** L1321719**Project Number:** 2013-139**Report Date:** 11/04/13**SAMPLE RESULTS**

Lab ID: L1321719-02
Client ID: EN-2
Sample Location: CONCORD, MA
Matrix: Water
Analytical Method: 98,EPH-04-1.1
Analytical Date: 11/01/13 08:14
Analyst: SR

Date Collected: 10/28/13 11:30
Date Received: 10/28/13
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 10/29/13 22:38
Cleanup Method1: EPH-04-1
Cleanup Date1: 10/30/13

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
Extractable Petroleum Hydrocarbons - 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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	41		40-140
o-Terphenyl	63		40-140
2-Fluorobiphenyl	66		40-140
2-Bromonaphthalene	66		40-140

Project Name: OFF WINTHROP STREET**Lab Number:** L1321719**Project Number:** 2013-139**Report Date:** 11/04/13**SAMPLE RESULTS**

Lab ID: L1321719-03
Client ID: EN-3
Sample Location: CONCORD, MA
Matrix: Water
Analytical Method: 98,EPH-04-1.1
Analytical Date: 11/01/13 08:59
Analyst: SR

Date Collected: 10/28/13 12:30
Date Received: 10/28/13
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 10/29/13 22:38
Cleanup Method1: EPH-04-1
Cleanup Date1: 10/30/13

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
Extractable Petroleum Hydrocarbons - 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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	56		40-140
o-Terphenyl	62		40-140
2-Fluorobiphenyl	67		40-140
2-Bromonaphthalene	68		40-140

Project Name: OFF WINTHROP STREET**Lab Number:** L1321719**Project Number:** 2013-139**Report Date:** 11/04/13**SAMPLE RESULTS**

Lab ID: L1321719-04
Client ID: EN-4
Sample Location: CONCORD, MA
Matrix: Water
Analytical Method: 98,EPH-04-1.1
Analytical Date: 11/01/13 09:44
Analyst: SR

Date Collected: 10/28/13 13:00
Date Received: 10/28/13
Field Prep: See Narrative
Extraction Method: EPA 3510C
Extraction Date: 10/29/13 22:38
Cleanup Method1: EPH-04-1
Cleanup Date1: 10/30/13

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
Extractable Petroleum Hydrocarbons - 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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	56		40-140
o-Terphenyl	68		40-140
2-Fluorobiphenyl	74		40-140
2-Bromonaphthalene	73		40-140

Project Name: OFF WINTHROP STREET

Lab Number: L1321719

Project Number: 2013-139

Report Date: 11/04/13

Method Blank Analysis Batch Quality Control

Analytical Method: 98,EPH-04-1.1

Analytical Date: 10/31/13 15:48

Analyst: SR

Extraction Method: EPA 3510C

Extraction Date: 10/29/13 22:38

Cleanup Method1: EPH-04-1

Cleanup Date1: 10/30/13

Parameter	Result	Qualifier	Units	RL	MDL
Extractable Petroleum Hydrocarbons - Westborough Lab for sample(s): 01-04 Batch: WG647931-1					
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	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	56		40-140
o-Terphenyl	73		40-140
2-Fluorobiphenyl	75		40-140
2-Bromonaphthalene	73		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: OFF WINTHROP STREET

Project Number: 2013-139

Lab Number: L1321719

Report Date: 11/04/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01-04 Batch: WG647931-2 WG647931-3								
C9-C18 Aliphatics	55		58		40-140	5		25
C19-C36 Aliphatics	67		71		40-140	6		25
C11-C22 Aromatics	78		78		40-140	0		25
Naphthalene	64		66		40-140	3		25
2-Methylnaphthalene	71		73		40-140	3		25
Acenaphthylene	65		68		40-140	5		25
Acenaphthene	72		74		40-140	3		25
Fluorene	74		75		40-140	1		25
Phenanthrene	77		78		40-140	1		25
Anthracene	74		75		40-140	1		25
Fluoranthene	79		79		40-140	0		25
Pyrene	80		81		40-140	1		25
Benzo(a)anthracene	75		75		40-140	0		25
Chrysene	76		76		40-140	0		25
Benzo(b)fluoranthene	76		79		40-140	4		25
Benzo(k)fluoranthene	81		76		40-140	6		25
Benzo(a)pyrene	73		75		40-140	3		25
Indeno(1,2,3-cd)Pyrene	77		76		40-140	1		25
Dibenzo(a,h)anthracene	58		57		40-140	2		25
Benzo(ghi)perylene	74		73		40-140	1		25
Nonane (C9)	40		42		30-140	5		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: OFF WINTHROP STREET

Project Number: 2013-139

Lab Number: L1321719

Report Date: 11/04/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01-04 Batch: WG647931-2 WG647931-3								
Decane (C10)	49		52		40-140	6		25
Dodecane (C12)	59		62		40-140	5		25
Tetradecane (C14)	64		67		40-140	5		25
Hexadecane (C16)	67		71		40-140	6		25
Octadecane (C18)	71		75		40-140	5		25
Nonadecane (C19)	71		76		40-140	7		25
Eicosane (C20)	71		76		40-140	7		25
Docosane (C22)	71		76		40-140	7		25
Tetracosane (C24)	70		74		40-140	6		25
Hexacosane (C26)	69		73		40-140	6		25
Octacosane (C28)	67		70		40-140	4		25
Triacontane (C30)	68		71		40-140	4		25
Hexatriacontane (C36)	64		67		40-140	5		25

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	56		61		40-140
o-Terphenyl	73		72		40-140
2-Fluorobiphenyl	70		74		40-140
2-Bromonaphthalene	70		74		40-140
% Naphthalene Breakthrough	0		0		
% 2-Methylnaphthalene Breakthrough	0		0		

METALS

Project Name: OFF WINTHROP STREET

Lab Number: L1321719

Project Number: 2013-139

Report Date: 11/04/13

SAMPLE RESULTS

Lab ID: L1321719-04
 Client ID: EN-4
 Sample Location: CONCORD, MA
 Matrix: Water

Date Collected: 10/28/13 13:00
 Date Received: 10/28/13
 Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab											
Antimony, Dissolved	0.0017		mg/l	0.0010	--	1	10/30/13 13:03	11/04/13 16:29	NA	97,6020A	BM
Arsenic, Dissolved	ND		mg/l	0.005	--	1	10/30/13 13:03	11/03/13 13:45	EPA 3005A	97,6010C	JH
Barium, Dissolved	0.10		mg/l	0.010	--	1	10/30/13 13:03	11/03/13 13:45	EPA 3005A	97,6010C	JH
Beryllium, Dissolved	ND		mg/l	0.005	--	1	10/30/13 13:03	11/03/13 13:45	EPA 3005A	97,6010C	JH
Cadmium, Dissolved	ND		mg/l	0.004	--	1	10/30/13 13:03	11/03/13 13:45	EPA 3005A	97,6010C	JH
Chromium, Dissolved	ND		mg/l	0.01	--	1	10/30/13 13:03	11/03/13 13:45	EPA 3005A	97,6010C	JH
Lead, Dissolved	ND		mg/l	0.010	--	1	10/30/13 13:03	11/03/13 13:45	EPA 3005A	97,6010C	JH
Mercury, Dissolved	ND		mg/l	0.0002	--	1	11/01/13 12:15	11/01/13 21:28	EPA 7470A	97,7470A	DR
Nickel, Dissolved	ND		mg/l	0.025	--	1	10/30/13 13:03	11/03/13 13:45	EPA 3005A	97,6010C	JH
Selenium, Dissolved	ND		mg/l	0.010	--	1	10/30/13 13:03	11/03/13 13:45	EPA 3005A	97,6010C	JH
Silver, Dissolved	ND		mg/l	0.007	--	1	10/30/13 13:03	11/03/13 13:45	EPA 3005A	97,6010C	JH
Thallium, Dissolved	ND		mg/l	0.0005	--	1	10/30/13 13:03	11/04/13 16:29	NA	97,6020A	BM
Vanadium, Dissolved	ND		mg/l	0.010	--	1	10/30/13 13:03	11/03/13 13:45	EPA 3005A	97,6010C	JH
Zinc, Dissolved	0.099		mg/l	0.050	--	1	10/30/13 13:03	11/03/13 13:45	EPA 3005A	97,6010C	JH



Project Name: OFF WINTHROP STREET

Lab Number: L1321719

Project Number: 2013-139

Report Date: 11/04/13

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab for sample(s): 04 Batch: WG648125-1										
Arsenic, Dissolved	ND		mg/l	0.005	--	1	10/30/13 13:03	11/03/13 13:33	97,6010C	JH
Barium, Dissolved	ND		mg/l	0.010	--	1	10/30/13 13:03	11/03/13 13:33	97,6010C	JH
Beryllium, Dissolved	ND		mg/l	0.005	--	1	10/30/13 13:03	11/03/13 13:33	97,6010C	JH
Cadmium, Dissolved	ND		mg/l	0.004	--	1	10/30/13 13:03	11/03/13 13:33	97,6010C	JH
Chromium, Dissolved	ND		mg/l	0.01	--	1	10/30/13 13:03	11/03/13 13:33	97,6010C	JH
Lead, Dissolved	ND		mg/l	0.010	--	1	10/30/13 13:03	11/03/13 13:33	97,6010C	JH
Nickel, Dissolved	ND		mg/l	0.025	--	1	10/30/13 13:03	11/03/13 13:33	97,6010C	JH
Selenium, Dissolved	ND		mg/l	0.010	--	1	10/30/13 13:03	11/03/13 13:33	97,6010C	JH
Silver, Dissolved	ND		mg/l	0.007	--	1	10/30/13 13:03	11/03/13 13:33	97,6010C	JH
Vanadium, Dissolved	ND		mg/l	0.010	--	1	10/30/13 13:03	11/03/13 13:33	97,6010C	JH
Zinc, Dissolved	ND		mg/l	0.050	--	1	10/30/13 13:03	11/03/13 13:33	97,6010C	JH

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab for sample(s): 04 Batch: WG648746-1										
Mercury, Dissolved	ND		mg/l	0.0002	--	1	11/01/13 12:15	11/01/13 21:01	97,7470A	DR

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab for sample(s): 04 Batch: WG649221-1										
Antimony, Dissolved	ND		mg/l	0.0010	--	1	10/30/13 13:03	11/04/13 16:10	97,6020A	BM
Thallium, Dissolved	ND		mg/l	0.0005	--	1	10/30/13 13:03	11/04/13 16:10	97,6020A	BM

Project Name: OFF WINTHROP STREET

Lab Number: L1321719

Project Number: 2013-139

Report Date: 11/04/13

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: NA

Lab Control Sample Analysis Batch Quality Control

Project Name: OFF WINTHROP STREET

Project Number: 2013-139

Lab Number: L1321719

Report Date: 11/04/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Dissolved Metals - Westborough Lab Associated sample(s): 04 Batch: WG648125-2 WG648125-3								
Arsenic, Dissolved	100		101		80-120	1		20
Barium, Dissolved	96		95		80-120	1		20
Beryllium, Dissolved	97		98		80-120	1		20
Cadmium, Dissolved	99		100		80-120	1		20
Chromium, Dissolved	95		100		80-120	5		20
Lead, Dissolved	100		102		80-120	2		20
Nickel, Dissolved	94		95		80-120	1		20
Selenium, Dissolved	103		103		80-120	0		20
Silver, Dissolved	101		101		80-120	0		20
Vanadium, Dissolved	99		100		80-120	1		20
Zinc, Dissolved	97		98		80-120	1		20
MCP Dissolved Metals - Westborough Lab Associated sample(s): 04 Batch: WG648746-2 WG648746-3								
Mercury, Dissolved	108		108		80-120	0		20
MCP Dissolved Metals - Westborough Lab Associated sample(s): 04 Batch: WG649221-2 WG649221-3								
Antimony, Dissolved	82		85		80-120	4		20
Thallium, Dissolved	96		97		80-120	1		20

Project Name: OFF WINTHROP STREET**Project Number:** 2013-139**Lab Number:** L1321719**Report Date:** 11/04/13**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Reagent H2O Preserved Vials Frozen on: NA**Cooler Information Custody Seal****Cooler**

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1321719-01A	Vial HCl preserved	A	N/A	2.2	Y	Absent	MCP-8260-10(14)
L1321719-01B	Vial HCl preserved	A	N/A	2.2	Y	Absent	MCP-8260-10(14)
L1321719-01C	Vial HCl preserved	A	N/A	2.2	Y	Absent	MCP-8260-10(14)
L1321719-01D	Amber 1000ml HCl preserved	A	<2	2.2	Y	Absent	EPH-10(14)
L1321719-01E	Amber 1000ml HCl preserved	A	<2	2.2	Y	Absent	EPH-10(14)
L1321719-02A	Vial HCl preserved	A	N/A	2.2	Y	Absent	MCP-8260-10(14)
L1321719-02B	Vial HCl preserved	A	N/A	2.2	Y	Absent	MCP-8260-10(14)
L1321719-02C	Vial HCl preserved	A	N/A	2.2	Y	Absent	MCP-8260-10(14)
L1321719-02D	Amber 1000ml HCl preserved	A	<2	2.2	Y	Absent	EPH-10(14)
L1321719-02E	Amber 1000ml HCl preserved	A	<2	2.2	Y	Absent	EPH-10(14)
L1321719-03A	Vial HCl preserved	A	N/A	2.2	Y	Absent	MCP-8260-10(14)
L1321719-03B	Vial HCl preserved	A	N/A	2.2	Y	Absent	MCP-8260-10(14)
L1321719-03C	Vial HCl preserved	A	N/A	2.2	Y	Absent	MCP-8260-10(14)
L1321719-03D	Amber 1000ml HCl preserved	A	<2	2.2	Y	Absent	EPH-10(14)
L1321719-03E	Amber 1000ml HCl preserved	A	<2	2.2	Y	Absent	EPH-10(14)
L1321719-04A	Vial HCl preserved	A	N/A	2.2	Y	Absent	MCP-8260-10(14)
L1321719-04B	Vial HCl preserved	A	N/A	2.2	Y	Absent	MCP-8260-10(14)
L1321719-04C	Vial HCl preserved	A	N/A	2.2	Y	Absent	MCP-8260-10(14)
L1321719-04D	Amber 1000ml HCl preserved	A	<2	2.2	Y	Absent	EPH-10(14)
L1321719-04E	Amber 1000ml HCl preserved	A	<2	2.2	Y	Absent	EPH-10(14)

*Values in parentheses indicate holding time in days

Project Name: OFF WINTHROP STREET**Project Number:** 2013-139**Lab Number:** L1321719**Report Date:** 11/04/13**Container Information**

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1321719-04F	Plastic 250ml HNO3 preserved	A	<2	2.2	Y	Absent	MCP-CD-6010S-10(180),MCP-7470S-10(28),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-BE-6010S-10(180),MCP-PB-6010S-10(180),MCP-NI-6010S-10(180),MCP-SE-6010S-10(180),MCP-V-6010S-10(180)

Container Comments

L1321719-04F

*Values in parentheses indicate holding time in days

Project Name: OFF WINTHROP STREET
Project Number: 2013-139

Lab Number: L1321719
Report Date: 11/04/13

GLOSSARY

Acronyms

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).
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.
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.
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.
NI	- Not Ignitable.
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.

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.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- 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.
- 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.
- 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.

Report Format: Data Usability Report



Project Name: OFF WINTHROP STREET
Project Number: 2013-139

Lab Number: L1321719
Report Date: 11/04/13

Data Qualifiers

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- 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.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the reporting limit (RL) for the sample.

Project Name: OFF WINTHROP STREET
Project Number: 2013-139

Lab Number: L1321719
Report Date: 11/04/13

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.
- 98 Method for the Determination of Extractable Petroleum Hydrocarbons (EPH), MassDEP, May 2004, Revision 1.1 with QC Requirements & Performance Standards for the Analysis of EPH under the Massachusetts Contingency Plan, WSC-CAM-IVB, July 2010.

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.



Certificate/Approval Program Summary

Last revised October 1, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. NELAP Accredited Solid Waste/Soil.

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

State of Illinois Certificate/Lab ID: 003155. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.)

Hazardous and Solid Waste (Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.)

Maine Department of Human Services Certificate/Lab ID: 2009024.

Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500CI-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CI-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. *Organic Parameters:* ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.

Drinking Water (Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, 2320B, SM2540C, SM4500H-B. *Organic Parameters:* (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. *Microbiology Parameters:* SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

Non-Potable Water (Inorganic Parameters: (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: 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-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. *Microbiology Parameters:* (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. *Organic Parameters:* 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. *Organic Parameters:* SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. *Organic Parameters:* SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. NELAP Accredited.

Drinking Water (Organic Parameters: **EPA 524.2:** Di-isopropyl ether (DIPE), Ethyl-t-butyl ether (ETBE), Tert-amyl methyl ether (TAME)).

Non-Potable Water (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.)

Solid & Chemical Materials (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. *Organic Parameters:* EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500CI-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310C, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, 4500SO4-E, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. *Organic Parameters:* SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 5030C, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5030C, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO₃-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH₃-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO₃-F, 4500-NO₂-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330A, 8082A, EPA 3510C, 5030B, 5030C, 8015C, 8011.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330A, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500CI-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO₃-F, 353.2, 4500P-E, 4500SO₄-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311, 1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. NELAP Accredited.

Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO₃-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A, 3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P, BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500CI-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH₃-H, 4500NO₂-B, 4500NO₃-F, 4500S-D, 4500SO₃-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH₃-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. NELAP Accredited via NJ-DEP.

Refer to MA-DEP Certificate for Potable and Non-Potable Water.

Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisison on Environmental Quality Certificate/Lab ID: T104704476. NELAP Accredited.

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH₃-H, 4500NO₂B, 4500P-E, 4500 S₂-D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. NELAP Accredited.

Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO₃-F, 4500H+B, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500CI-E, 4500F-B, 4500F-C,

4500NH₃-H, 4500NO₂-B, 4500NO₃-F, 4500 SO₃-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm 9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.

Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO₃-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:

EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether. **EPA 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane (methyl iodide), Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether (TAME), Diisopropyl ether (DIPE), Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnaphthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, TKN in a soil matrix, NO₂ in a soil matrix, NO₃ in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.



CHAIN OF CUSTODY

PAGE OF

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Client Information

Client: ENSTRAT, INC
Address: 28 Lord Rd, Suite 205
Marlboro, MA 01752
Phone: 508 460 6100
Email: SPADUETTE@ENSTRAT.NET

Additional Project Information:

Project Information

Project Name: Off Winthrop St
Project Location: Concord, MA
Project #: 2013-139
Project Manager: Stacy Pogreuter
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: 11/4/13

Data Rec'd in Lab:

10/28/13

ALPHA Job #:

21321719

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

ANALYSIS

VOC: ☒ 5260 ☐ 624 ☐ 524.2

SVOC: ☐ ABN ☐ PAH

METALS: ☐ MCP 13 ☒ MCP 14 ☐ RCP 15

EPH: ☐ RCRA5 ☐ RCRA8 ☐ PPI3

VPH: ☐ Ranges & Targets ☒ Ranges Only

☐ PCB ☐ PEST

TPH: ☐ Quant Only ☐ Fingerprint

SAMPLE INFO

Filtration
☒ Field
☐ Lab to do

Preservation
☐ Lab to do

TOTAL #	BOTTLES
1	1
2	2
3	3
4	4
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6	6
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99	99
100	100

[illegible]**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 = HNO₃
D = H₂SO₄
E = NaOH
F = MeOH
G = NaHSO₄
H = Na₂S₂O₃
I = Ascorbic Acid
J = NH₄Cl
K = Zn Acetate
O = Other

Container Type

☒

9

A

Preservative

2

2

B

Relinquished By:

Date/Time

Received By:

Date/Time

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)

7A
Volatile Organics CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1321719

Instrument ID: Quimby.i Calibration Date: 01-NOV-2013 Time: 10:57

Lab File ID: 1101A02 Init. Calib. Date(s): 30-OCT-2 30-OCT-2

Sample No: 8260 CCAL Init. Calib. Times : 19:37 22:46

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
dichlorodifluoromethane	.38912	.37205	.1	4	20	
chloromethane	.3589	.39964	.1	-11	20	
vinyl chloride	.35814	.35027	.1	2	20	
bromomethane	100	94.895	.1	5	20	
chloroethane	.24039	.23742	.1	1	20	
trichlorofluoromethane	.62467	.58625	.1	6	20	
ethyl ether	.15706	.16573	.05	-6	20	
acetone	.09054	.13638	.1	-51	20	F
1,1,-dichloroethene	.32663	.32635	.1	0	20	
methylene chloride	.36869	.36871	.1	0	20	
carbon disulfide	.94159	.86208	.1	8	20	
methyl tert butyl ether	.66306	.53823	.1	19	20	
trans-1,2-dichloroethene	.36067	.35506	.1	2	20	
Diisopropyl Ether	1.2948	1.3009	.05	0	20	
1,1-dichloroethane	.69768	.67983	.2	3	20	
Ethyl-Tert-Butyl-Ether	.96721	.94229	.05	3	20	
2-butanone	.11094	.15059	.1	-36	20	F
2,2-dichloropropane	.48885	.40669	.05	17	20	
cis-1,2-dichloroethene	.39491	.38955	.1	1	20	
chloroform	.70176	.68314	.2	3	20	
bromochloromethane	.18322	.18742	.05	-2	20	
tetrahydrofuran	.06104	.06969	.05	-14	20	
1,1,1-trichloroethane	.64485	.61194	.1	5	20	
1,1-dichloropropene	.54015	.52546	.05	3	20	
carbontetrachloride	.55352	.38228	.1	31	20	F
Tertiary-Amyl Methyl Ether	.67505	.68592	.05	-2	20	
1,2-dichloroethane	.50656	.50902	.1	0	20	
benzene	1.4567	1.4250	.5	2	20	
trichloroethene	.38505	.37639	.2	2	20	
1,2-dichloropropane	.36382	.36122	.1	1	20	
bromodichloromethane	.50651	.48212	.2	5	20	
1,4-dioxane	.00183	.00207	.05	-14	20	F
dibromomethane	.17693	.1862	.05	-5	20	
4-methyl-2-pentanone	.0791	.08354	.1	-6	20	F
cis-1,3-dichloropropene	.52481	.53138	.2	-1	20	
toluene	1.1136	1.1231	.4	-1	20	
trans-1,3-dichloropropene	.4923	.51065	.1	-4	20	
1,1,2-trichloroethane	.22353	.24257	.1	-9	20	

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1321719

Instrument ID: Quimby.i Calibration Date: 01-NOV-2013 Time: 10:57

Lab File ID: 1101A02 Init. Calib. Date(s): 30-OCT-2 30-OCT-2

Sample No: 8260 CCAL Init. Calib. Times : 19:37 22:46

Compound	RRF	RRF	MIN RRF	%D	MAX %D
=====	=====	=====	=====	=====	=====
2-hexanone	.17037	.21417	.1	-26	20
1,3-dichloropropane	.51093	.54676	.05	-7	20
tetrachloroethene	.58435	.59323	.2	-2	20
chlorodibromomethane	.40272	.41412	.1	-3	20
1,2-dibromoethane	.2999	.32592	.1	-9	20
chlorobenzene	1.3393	1.3591	.5	-1	20
1,1,1,2-tetrachloroethane	.46998	.45242	.05	4	20
ethyl benzene	2.3086	2.3386	.1	-1	20
p/m xylene	.94444	.96417	.1	-2	20
o xylene	.89455	.9278	.3	-4	20
styrene	1.4316	1.5067	.31	-5	20
isopropylbenzene	2.5468	2.6131	.1	-3	20
bromoform	.39163	.39681	.1	-1	20
1,1,2,2,-tetrachloroethane	.50803	.55791	.3	-10	20
1,2,3-trichloropropane	.42695	.46357	.05	-9	20
n-propylbenzene	4.3048	4.3506	.05	-1	20
bromobenzene	1.0024	1.0418	.05	-4	20
1,3,5-trimethylbenzene	3.5420	3.5976	.05	-2	20
2-chlorotoluene	3.0682	3.0477	.05	1	20
4-chlorotoluene	2.8547	2.8658	.05	0	20
tert-butylbenzene	3.1452	3.1867	.05	-1	20
1,2,4-trimethylbenzene	3.3033	3.3428	.05	-1	20
sec-butylbenzene	4.4457	4.5137	.05	-2	20
p-isopropyltoluene	3.7677	3.9049	.05	-4	20
1,3-dichlorobenzene	2.0081	2.0859	.6	-4	20
1,4-dichlorobenzene	1.9667	2.0360	.5	-4	20
n-butylbenzene	3.5219	3.5702	.05	-1	20
1,2-dichlorobenzene	1.754	1.8697	.4	-7	20
1,2-dibromo-3-chloropropane	.08292	.09556	.05	-15	20
1,2,4-trichlorobenzene	.92005	.99904	.2	-9	20
hexachlorobutadiene	.49988	.49251	.05	1	20
naphthalene	1.4274	1.5859	.05	-11	20
1,2,3-trichlorobenzene	.73187	.81576	.05	-11	20
=====	=====	=====	=====	=====	=====
dibromofluoromethane	.26669	.27019	.05	-1	20
1,2-dichloroethane-d4	.29247	.29754	.05	-2	20
toluene-d8	1.1303	1.1599	.05	-3	20
4-bromofluorobenzene	.81021	.78715	.05	3	20

F

FORM VII MCP-8260-10



Project Limitations



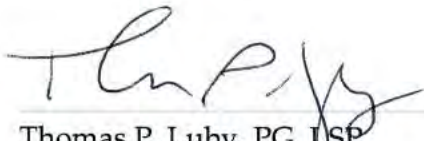
PROJECT LIMITATIONS

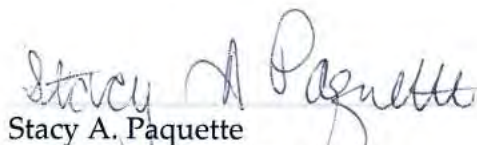
1. This report assessed physical characteristics in regards to the presence of specific hazardous substances or petroleum products in the environment. Compliance of past or present owners or operators with any federal, state, or local laws and regulations was not verified.
2. Observations described in this assessment were made under the conditions stated within this report. The conclusions presented were based solely upon the services described and not upon scientific procedures which were beyond the scope of this assessment or the budgetary and time constraints imposed by the Client. Where access to portions of the Site were unavailable, limited, or obscured by ground cover conditions, such as snow, ice, or other obstructions, ENSTRAT, Inc. renders no opinion as to the presence of oil or hazardous materials in these areas. ENSTRAT, Inc. reserves the right to modify the conclusions of this report should further information become available.
3. Certain information provided by state and local officials, as well as other parties herein referenced, was used to develop this report. The accuracy or completeness of the information provided by these sources was not independently verified.
4. Present and past ownership information may have been obtained through a review of a land title records provided to ENSTRAT, Inc. by others. Ownership deed searches conducted by ENSTRAT, Inc. personnel do not constitute a certified title search or include extensive research for information concerning pending litigation and court orders imposing limits on usage of the Site.
5. Groundwater flow may have been estimated from a review of the USGS topographic map that includes the Site. However, ground-water flow directions interpreted from this source are only meant to be a regional estimate and should not be confused with a Site specific estimate that requires installing and surveying monitoring wells at the Site.
6. Variations in types and concentrations of contaminants and fluctuations in their flow paths may occur due to seasonal water table changes, past disposal practices, time, and other factors. Contaminant concentrations and groundwater-level measurements detected in test pits, borings, and observation wells were made at the time and under the conditions cited in the report. In the event additional chemical data becomes available, the conclusions and recommendations of this report may need modification.
7. Some elements of this report may be based on preliminary "screening" data obtained in the field. A quantitative analysis may be required in the event more specific information is necessary to evaluate conditions.
8. Some projects may contain conclusions based upon data obtained from a limited number of soil and water samples taken from widely - spaced subsurface explorations. The nature and extent of variations in the soil and water between these explorations may not become evident until further exploration is completed. Should variations or other latent conditions appear evident, a reevaluation of the conclusions and recommendations may be required.
9. No other quantitative laboratory testing was performed other than that specified in the report. Where an outside laboratory has conducted such analyses, an independent evaluation to ascertain the reliability of this data has not been conducted.
10. Testing and analysis to determine the presence or concentration of asbestos-containing materials, radon, mold, lead paint, and UFFI were not within the scope of this assessment and were not conducted unless specifically included in scope of services. Air quality sampling, property boundary surveys, evaluation of septic system compliance, and PCB analyses were not conducted as part of this project.
11. Chemical analyses were performed for specific constituents only as cited in this report and were based upon the information available at the time of this study. Chemical constituents not cited and outside the scope of this assessment may be present in the soil, ground water or surface water.
12. The direction of groundwater flow in bedrock fractures and joints is not reliably estimated from surface topography. Therefore, the impact of oil or hazardous materials on the Site from abutting and surrounding properties via bedrock fractures cannot be evaluated without the installation of deep bedrock monitoring wells.
13. Reports and other materials resulting from ENSTRAT, Inc.'s efforts on this project and Site are not intended or represented to be suitable for reuse by the Client or others on extensions or modifications of this project or for any other projects or sites. Such reuse by the Client or others, without the adaptation of ENSTRAT, Inc. for the specific purpose intended, shall be at the user's sole risk, without liability on the part of ENSTRAT, Inc. Copies of this report will not be provided by ENSTRAT, Inc. to any other party unless required by law.
14. This report is not compliant with and is not intended to be compliant with All Appropriate Inquiry (AAI) under ASTM 1527-05, and should not be relied upon as such.



Quality Assurance/Quality Control

The following persons have reviewed this report as part of the Quality Assurance and Quality Control protocols of ENSTRAT, Inc.:

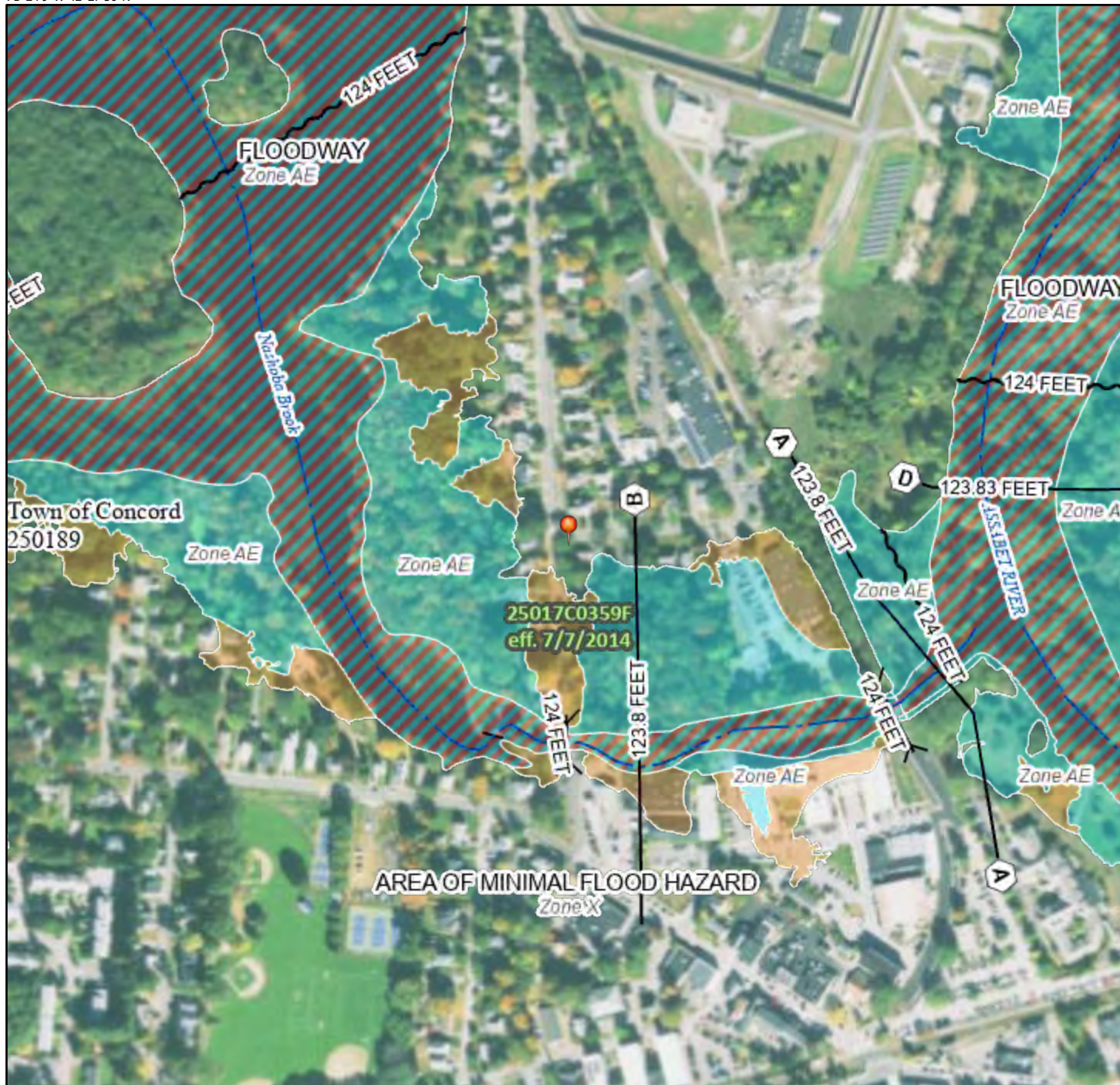

Thomas P. Luby, PG, LSP
President/Technical Manager


Stacy A. Paquette
Environmental Scientist

National Flood Hazard Layer FIRMette



71°24'9"W 42°27'50"N



0 250 500 1,000 1,500 2,000 Feet 1:6,000

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
MAP PANELS		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
		Digital Data Available
		No Digital Data Available
		Unmapped
		The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.



This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 4/15/2021 at 2:32 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

MassDEP - Bureau of Waste Site Cleanup

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

Site Information:

6X WINTHROP STREET CONCORD, MA

NAD83 UTM Meters:

4703791mN, 303109mE (Zone: 19)

April 15, 2021

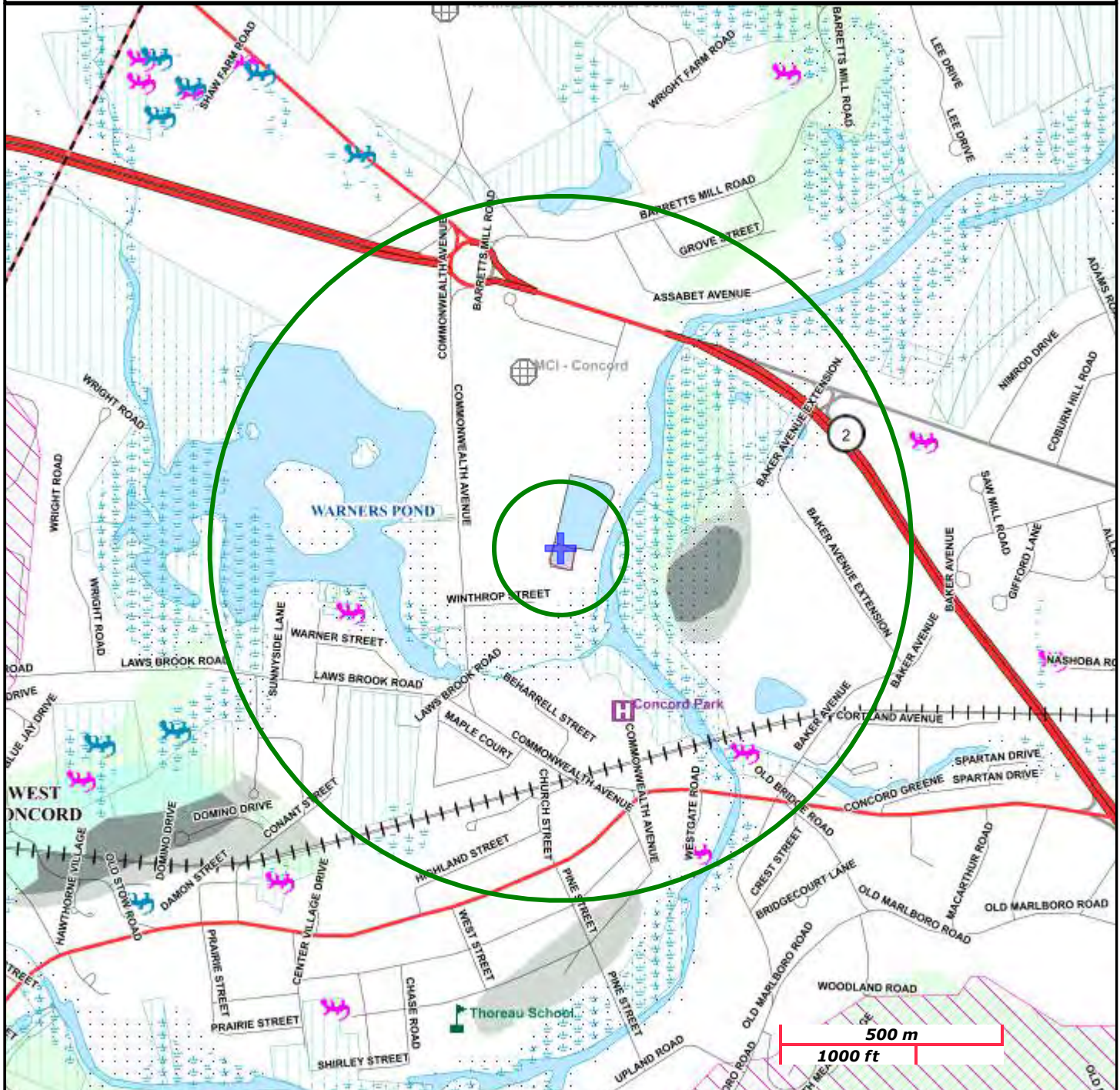
The information shown is the best available at the date of printing. However, it may be incomplete. The responsible party and LSP are ultimately responsible for ascertaining the true conditions surrounding the site. Metadata for data layers shown on this map can be found at:

<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

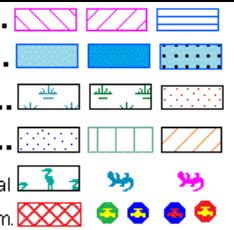
Hydrography: Open Water, PWS Reservoir, Tidal Flat

Wetlands: Freshwater, Saltwater, Cranberry Bog

FEMA 100yr Floodplain; Protected Open Space; ACEC

Est. Rare Wetland Wildlife Hab; Vernal Pool: Cert., Potential

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



6X WINTHROP ST

Location 6X WINTHROP ST

Mblu 8D/ 2013/ 1/ /

Acct# 102672

Owner CHDC - JV LLC

Assessment \$1,443,700

Appraisal \$1,443,700

PID 102672

Building Count 1

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2021	\$0	\$1,443,700	\$1,443,700
Assessment			
Valuation Year	Improvements	Land	Total
2021	\$0	\$1,443,700	\$1,443,700

Owner of Record

Owner CHDC - JV LLC
Co-Owner
Address 2352 MAIN ST STE 2
CONCORD, MA 01742

Sale Price \$1
Certificate
Book & Page 61102/0485
Sale Date 01/31/2013
Instrument 1E

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
CHDC - JV LLC	\$1		61102/0485	1E	01/31/2013

Building Information

Building 1 : Section 1

Year Built:
Living Area: 0
Replacement Cost: \$0
Building Percent Good:
Replacement Cost
Less Depreciation: \$0

Building Attributes

Field	Description
Style	Vacant
Model	
Grade:	
Stories:	
Occupancy	
Exterior Wall 1	
Exterior Wall 2	
Roof Structure:	
Roof Cover	
Interior Wall 1	
Interior Wall 2	
Interior Flr 1	
Interior Flr 2	
Heat Fuel	
Heat Type:	
AC Type:	
Total Bedrooms:	
Total Bthrms:	
Total Half Baths:	
Total Xtra Fixtrs:	
Total Rooms:	
Bath Style:	
Kitchen Style:	
Num Kitchens	
Cndtn	
Usrflid 103	
Usrflid 104	
Usrflid 105	
Usrflid 106	
Usrflid 107	
Num Park	
Fireplaces	
Usrflid 108	
Usrflid 101	
Usrflid 102	
Extra Kitchen	
Usrflid 300	
Usrflid 301	

Building Photo



(<http://images.vgsi.com/photos2/ConcordMAPhotos//default.jpg>)

Building Layout

(http://images.vgsi.com/photos2/ConcordMAPhotos//Sketches/102672_

Building Sub-Areas (sq ft)	Legend
No Data for Building Sub-Areas	

Extra Features	Legend
No Data for Extra Features	

Land

Land Use	Land Line Valuation
Use Code Description Zone Neighborhood Alt Land Appr Category 905V P/HOS CHAR MDL-00 IPA 30 No	Size (Acres) Frontage Depth Assessed Value Appraised Value 12.8 \$1,443,700 \$1,443,700

Outbuildings

Outbuildings	Legend
No Data for Outbuildings	

Valuation History

Appraisal			
Valuation Year	Improvements	Land	Total
2020	\$0	\$372,400	\$372,400
2019	\$0	\$396,300	\$396,300
2018	\$0	\$382,000	\$382,000

Assessment			
Valuation Year	Improvements	Land	Total
2020	\$0	\$372,400	\$372,400
2019	\$0	\$396,300	\$396,300
2018	\$0	\$382,000	\$382,000



Interview Documentation



ASTM E1527-13 Phase I All Appropriate Inquiry (AAI) Environmental Questionnaire

Site Addresses: 6X Winthrop Street, Concord, MA

Date: April 20, 2021

Name: Lee Smith
Title: President
Company: Concord Housing Development Corporation
Address: 141 Keyes Road, Concord MA 01742
Telephone:

Relationship to Site: Property Owner

General Questions

Please answer to the best of your knowledge and ability, and as these questions apply to you. If the answer is unknown or a question is not applicable to your relationship with the Site, simply provide an answer of "not applicable" or N/A. Please contact ENSTRAT with any questions regarding this form.

1. Why is the Phase I required? What type of property transaction is it (sale, purchase, exchange, current or potential Brownfield site, etc.)?

The Phase I is required for public funds commitment. The property will be leased.

2. Who is the site contact for the property and how can the site contact be reached?

Lee Smith, leesmith125@gmail.com

3. Who is the owner of the property? Date of ownership?

Concord Housing Development Corporation, 1/31/2013

4. Who are the occupants of the property? What is the current use of the property?



Vacant

5. Are you or were you an occupant of the property? If so, what type of business did you or do you have at the property?

Never was, not current occupant

6. Have you engaged a title company or professional to review recorded land title records and lien records? If applicable, what was the result of the title review? (If so, please forward a complete copy to ENSTRAT)

Not to my knowledge

7. Are any services beyond the requirements of Practice E1527 required? Do any of the parties to the property transaction have a required standard scope of services?

Not to my knowledge

8. What parties will rely on the Phase I report?

HUD, Department of Housing and Urban Development

9. Are there any special terms and conditions that must be agreed upon by the environmental professional?

Not to my knowledge

10. Do you have any other knowledge or experience with the property that may be pertinent to the environmental professional (*for example, copies of any available prior ESA reports, real estate appraisals, purchase and sales agreements, environmental review documents, correspondence, etc.*)? If so, please forward copies to ENSTRAT.

Not to my knowledge



11. Landowner Liability Protection Related Questions

- a. Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law? (40 CFR 312.25)

Not to my knowledge

- b. Are you aware of any Activity and Use Limitations (AULs), such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law? (40 CFR 312.26)

Not to my knowledge

- c. Do you have any specialized knowledge or experience related to the property or nearby properties? *(For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?)* (40 CFR 312.28)

Not to my knowledge

- d. If known, does the purchase price being paid for this property reasonably reflect the fair market value of the property? *(If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?)* (40 CFR 312.29)

The lease amount reasonably reflects the fair market value of the property, considering the affordable housing restriction

- e. Commonly known or reasonably ascertainable information about the property (40 CFR 312.30).

If known, please indicate the past owners and occupants (include contact



information as available), as well as uses of the property and dates:

Ma Department of Corrections

Are there currently any registered or unregistered storage tanks (above or underground) located on the property?

Not to my knowledge

Did you observe evidence or do you have prior knowledge that there have been previously, any registered or unregistered storage tanks (above or underground) located on the property?

Not to my knowledge

Do you know of specific chemicals that are present or once were present at the property?

Not to my knowledge

Do you know of spills or other chemical releases that have taken place at the property?

Not to my knowledge

Do you know of any environmental cleanups that have taken place at the property?

Not to my knowledge

- f. Based on your knowledge and experience related to the property are there any indicators that point to the presence or likely presence of contamination at the property? (40 CFR 312.31)

Not to my knowledge



12. Do you have any other knowledge or experience with the property that may be pertinent to the environmental professional?

No other pertinent knowledge or experience

13. Do you have any other information that may be pertinent to the environmental condition of the property?

No other pertinent knowledge or experience

Completed by:

Preparer represents that to the best of preparer's knowledge, the above statements and facts are true and correct, and to the best of preparer's actual knowledge, no material facts have been suppressed or misstated.

A handwritten signature in blue ink, appearing to read "L. S. Smith".

April 20, 2021

Signature

Date



ASTM E1527-13 Phase I All Appropriate Inquiry (AAI) Environmental Questionnaire

Site Addresses: 6X Winthrop St, West Concord, MA

Date: 04/04/21

Name: Michael Cucchiara

Title: Director

Company: The Grantham Group, LLC.

Address: 99 Pleasant Street, Marlborough, MA 01752

Telephone: 781-690-1567

Relationship to Site: Developer/Lessee

General Questions

Please answer to the best of your knowledge and ability, and as these questions apply to you. If the answer is unknown or a question is not applicable to your relationship with the Site, simply provide an answer of "not applicable" or N/A. Please contact ENSTRAT with any questions regarding this form.

1. Why is the Phase I required? What type of property transaction is it (sale, purchase, exchange, current or potential Brownfield site, etc.)?

The property will be the site of a future real estate development using State funds.

2. Who is the site contact for the property and how can the site contact be reached?

Michael Cucchiara, by phone 781-690-1567

3. Who is the owner of the property? Date of ownership?

Concord Housing Development Corporation 1/31/2013

4. Who are the occupants of the property? What is the current use of the property?

Vacant land



5. Are you or were you an occupant of the property? If so, what type of business did you or do you have at the property?

Developer will in future occupy the land with an assisted living facility

6. Have you engaged a title company or professional to review recorded land title records and lien records? If applicable, what was the result of the title review? (If so, please forward a complete copy to ENSTRAT)

No.

7. Are any services beyond the requirements of Practice E1527 required? Do any of the parties to the property transaction have a required standard scope of services?

None known.

8. What parties will rely on the Phase I report?

US Dept. of HUD, Town of Concord, Mass. Dept of Housing & Community Development.

9. Are there any special terms and conditions that must be agreed upon by the environmental professional?

No.

10. Do you have any other knowledge or experience with the property that may be pertinent to the environmental professional (*for example, copies of any available prior ESA reports, real estate appraisals, purchase and sales agreements, environmental review documents, correspondence, etc.*)? If so, please forward copies to ENSTRAT.

Prior Phase I reports and other supporting materials have been provided via a Dropbox link



11. Landowner Liability Protection Related Questions

- a. Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law? (40 CFR 312.25)

No

- b. Are you aware of any Activity and Use Limitations (AULs), such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law? (40 CFR 312.26)

No

- c. Do you have any specialized knowledge or experience related to the property or nearby properties? *(For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?)* (40 CFR 312.28)

the property is adjacent to and formerly part of MCI Concord

- d. If known, does the purchase price being paid for this property reasonably reflect the fair market value of the property? *(If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?)* (40 CFR 312.29)

Ground Lease

- e. Commonly known or reasonably ascertainable information about the property (40 CFR 312.30).

If known, please indicate the past owners and occupants (include contact information as available), as well as uses of the property and dates:



MCI- Concord

Are there currently any registered or unregistered storage tanks (above or underground) located on the property?

None known.

Did you observe evidence or do you have prior knowledge that there have been previously, any registered or unregistered storage tanks (above or underground) located on the property?

No.

Do you know of specific chemicals that are present or once were present at the property? No.

Do you know of spills or other chemical releases that have taken place at the property?

No

Do you know of any environmental cleanups that have taken place at the property?

No.

- f. Based on your knowledge and experience related to the property are there any indicators that point to the presence or likely presence of contamination at the property? (40 CFR 312.31)

No.



12. Do you have any other knowledge or experience with the property that may be pertinent to the environmental professional?

No.

13. Do you have any other information that may be pertinent to the environmental condition of the property?

No.

Completed by:

Preparer represents that to the best of preparer's knowledge, the above statements and facts are true and correct, and to the best of preparer's actual knowledge, no material facts have been suppressed or misstated.

A handwritten signature in black ink, consisting of several loops and a long horizontal stroke at the end.

April 6, 2021

Signature

Date



Environmental Database Review Table



Do any of the following federal, state, or tribal governmental record systems list the property or any property within the search distance noted below (where available)?

Environmental Database Record System	Approximate Minimum Search Distance, miles	Yes	No
Federal NPL Site list	1.0	☒	☐
Federal Delisted NPL Site list	0.5	☐	☒
Federal CERCLIS list	0.5	☐	☒
Federal CERCLIS NFRAP Site list	0.5	☒	☐
Federal RCRA CORRACTS facilities list	1.0	☐	☒
Federal RCRA non-CORRACTS TSD Facilities list	0.5	☐	☒
Federal RCRA generators list	property and adjoining properties	☒	☐
Federal Institutional control/engineering control registries	property only	☐	☒
Federal ERNS list	property only	☐	☒
State and tribal lists of hazardous waste Sites identified for investigation or remediation:			
State-and tribal-equivalent NPL	1.0	☐	☒
State-and tribal-equivalent CERCLIS	0.5	☒	☐
State-and tribal-landfill and/or solid waste disposal Site lists	0.5	☒	☐
State-and tribal-leaking storage tanks lists	0.5	☒	☐
State and tribal registered storage tank lists	property and adjoining properties	☒	☐
State and tribal institutional control/engineering control registries	property only	☐	☒
State and tribal voluntary cleanup Sites	0.5	☐	☒
State and tribal Brownfield Sites	0.5	☐	☒



Environmental Database Report

Project: 2013-139A

6X Winthrop Street
6X Winthrop Street
Concord, MA 01742

Inquiry Number: 6436558.2s
April 05, 2021

FirstSearch Report



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Search Summary Report

**TARGET SITE 6X WINTHROP STREET
CONCORD, MA 01742**

Category	Sel	Site	1/8	1/4	1/2	> 1/2	ZIP	TOTALS
<i>NPL</i>	Y	0	0	0	0	1	0	1
<i>NPL Delisted</i>	Y	0	0	0	0	0	0	0
<i>CERCLIS</i>	Y	0	0	0	0	-	0	0
<i>NFRAP</i>	Y	0	0	0	0	-	0	0
<i>RCRA COR ACT</i>	Y	0	0	0	0	0	0	0
<i>RCRA TSD</i>	Y	0	0	0	0	-	0	0
<i>RCRA GEN</i>	Y	0	1	4	-	-	0	5
<i>Federal IC / EC</i>	Y	0	0	0	0	-	0	0
<i>ERNS</i>	Y	0	-	-	-	-	0	0
<i>State/Tribal CERCLIS</i>	Y	0	1	6	12	7	8	34
<i>State/Tribal SWL</i>	Y	0	0	0	1	-	0	1
<i>State/Tribal LTANKS</i>	Y	0	0	1	6	-	0	7
<i>State/Tribal Tanks</i>	Y	0	0	4	-	-	0	4
<i>State/Tribal IC / EC</i>	Y	0	0	0	1	-	0	1
<i>ST/Tribal Brownfields</i>	Y	0	0	0	0	-	0	0
<i>US Brownfields</i>	Y	0	0	0	0	-	0	0
<i>Other Haz Sites</i>	Y	0	-	-	-	-	0	0
<i>Spills</i>	Y	0	-	-	-	-	0	0
<i>Other</i>	Y	0	1	3	-	-	0	4
- Totals --		0	3	18	20	8	8	57

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Search Summary Report

**TARGET SITE: 6X WINTHROP STREET
CONCORD, MA 01742**

Category	Database	Update	Radius	Site	1/8	1/4	1/2	> 1/2	ZIP	TOTALS
NPL	NPL	12/30/2020	1.000	0	0	0	0	1	0	1
	Proposed NPL	12/30/2020	1.000	0	0	0	0	0	0	0
NPL Delisted	Delisted NPL	12/30/2020	1.000	0	0	0	0	0	0	0
CERCLIS	SEMS	12/30/2020	0.500	0	0	0	0	-	0	0
NFRAP	SEMS-ARCHIVE	12/30/2020	0.500	0	0	0	0	-	0	0
RCRA COR ACT	CORRACTS	12/14/2020	1.000	0	0	0	0	0	0	0
RCRA TSD	RCRA-TSDF	12/14/2020	0.500	0	0	0	0	-	0	0
RCRA GEN	RCRA-LQG	12/14/2020	0.250	0	0	0	-	-	0	0
	RCRA-SQG	12/14/2020	0.250	0	0	0	-	-	0	0
	RCRA-VSQG	12/14/2020	0.250	0	1	4	-	-	0	5
Federal IC / EC	US ENG CONTROLS	10/28/2020	0.500	0	0	0	0	-	0	0
	US INST CONTROLS	10/28/2020	0.500	0	0	0	0	-	0	0
ERNS	ERNS	12/14/2020	TP	0	-	-	-	-	0	0
State/Tribal CERCLIS	SHWS	01/11/2021	1.000	0	1	6	12	7	8	34
State/Tribal SWL	SWF/LF	01/14/2020	0.500	0	0	0	1	-	0	1
State/Tribal LTANKS	LUST	01/11/2021	0.500	0	0	1	4	-	0	5
	LAST	01/11/2021	0.500	0	0	0	2	-	0	2
	INDIAN LUST	10/01/2020	0.500	0	0	0	0	-	0	0
State/Tribal Tanks	UST	01/07/2021	0.250	0	0	2	-	-	0	2
	AST	11/23/2021	0.250	0	0	2	-	-	0	2
	INDIAN UST	10/01/2020	0.250	0	0	0	-	-	0	0
State/Tribal IC / EC	INST CONTROL	01/11/2021	0.500	0	0	0	1	-	0	1
ST/Tribal Brownfields	BROWNFIELDS	04/05/2017	0.500	0	0	0	0	-	0	0
US Brownfields	US BROWNFIELDS	12/11/2020	0.500	0	0	0	0	-	0	0

Search Summary Report

**TARGET SITE: 6X WINTHROP STREET
CONCORD, MA 01742**

Category	Database	Update	Radius	Site	1/8	1/4	1/2	> 1/2	ZIP	TOTALS
Other Haz Sites	US CDL	12/07/2020	TP	0	-	-	-	-	0	0
Spills	HMIRS	12/16/2020	TP	0	-	-	-	-	0	0
	RELEASE	01/11/2021	TP	0	-	-	-	-	0	0
	SPILLS	09/30/1993	TP	0	-	-	-	-	0	0
	SPILLS 90	12/11/2012	TP	0	-	-	-	-	0	0
	SPILLS 80	03/10/1998	TP	0	-	-	-	-	0	0
Other	RCRA NonGen / NLR	12/14/2020	0.250	0	1	3	-	-	0	4
	TSCA	12/31/2016	TP	0	-	-	-	-	0	0
	TRIS	12/31/2018	TP	0	-	-	-	-	0	0
	SSTS	01/20/2021	TP	0	-	-	-	-	0	0
	RAATS	04/17/1995	TP	0	-	-	-	-	0	0
	PRP	12/30/2020	TP	0	-	-	-	-	0	0
	PADS	11/19/2020	TP	0	-	-	-	-	0	0
	ICIS	11/18/2016	TP	0	-	-	-	-	0	0
	FTTS	04/09/2009	TP	0	-	-	-	-	0	0
	MLTS	08/05/2020	TP	0	-	-	-	-	0	0
	RADINFO	07/01/2019	TP	0	-	-	-	-	0	0
	INDIAN RESERV	12/31/2014	1.000	0	0	0	0	0	0	0
	US AIRS	10/12/2016	TP	0	-	-	-	-	0	0
	FINDS	11/04/2020	TP	0	-	-	-	-	0	0
	GWDP	04/01/2020	0.250	0	0	0	-	-	0	0
	NPDES	01/07/2020	TP	0	-	-	-	-	0	0
	- Totals --			0	3	18	20	8	8	57

Site Information Report

Request Date: APRIL 5, 2021
Request Name: JAMES ODRISCOLL

Search Type: COORD
Job Number: NA

Target Site: 6X WINTHROP STREET
CONCORD, MA 01742

Site Location

	<u>Degrees (Decimal)</u>	<u>Degrees (Min/Sec)</u>	<u>UTMs</u>
Longitude:	71.394459	71.3944590 - 71° 23' 40.05"	Easting: 303123.2
Latitude:	42.460835	42.4608350 - 42° 27' 39.00"	Northing: 4703508.0
Elevation:	127 ft. above sea level		Zone: Zone 19

Demographics

Sites: 49 **Non-Geocoded:** 8 **Population:** N/A
RADON

Federal EPA Radon Zone for MIDDLESEX County: 1

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 01742

Number of sites tested: 8

<u>Area</u>	<u>Average Activity</u>	<u>% <4 pCi/L</u>	<u>% 4-20 pCi/L</u>	<u>% >20 pCi/L</u>
Living Area - 1st Floor	Not Reported	Not Reported	Not Reported	Not Reported
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	3.650 pCi/L	88%	12%	0%

Federal Area Radon Information for MIDDLESEX COUNTY, MA

Number of sites tested: 341

<u>Area</u>	<u>Average Activity</u>	<u>% <4 pCi/L</u>	<u>% 4-20 pCi/L</u>	<u>% >20 pCi/L</u>
Living Area - 1st Floor	3.515 pCi/L	79%	15%	6%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	4.210 pCi/L	74%	23%	2%

Site Information Report

RADON

State Database: MA Radon

Radon Test Results

County	% of sites>4 pCi/L	Median
MIDDLESEX	26	2.2

Target Site Summary Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

TOTAL: 57

GEOCODED: 49

NON GEOCODED: 8

Map ID	DB Type --ID/Status	Site Name	Address	Dist/Dir	ElevDiff	Page No.

No sites found for target address

Sites Summary Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

TOTAL: 57

GEOCODED: 49

NON GEOCODED: 8

Map ID	DB Type --ID/Status	Site Name	Address	Dist/Dir	ElevDiff	Page No.
Reg	NPL --100350 --MAD001002252	W.R. GRACE & CO., INC. (ACTON	50 INDEPENDENCE RD ACTON, MA 01720	0.90 WNW		1
A1	RCRA NonGen / NLR TECHNICAL COMMUNICATIONS CORP --MAD001419266		56 WINTHROP ST CONCORD, MA 01742	0.08 SW	- 2	5
A2	SHWS --3-0004171 --LSPNFA	INDUSTRIAL PROPERTY	56 WINTHROP ST CONCORD, MA 01742	0.08 SW	- 2	13
3	RCRA-VSQG --MAD985271733	SWEDISH MOTOR WORKS AND REPAIR	256 COMMONWEALTH AVE CONCORD, MA 01742	0.11 West	+ 2	14
B4	LUST --3-0031645 / PSNC	PROPERTY	50 BEHARRELL STREET CONCORD, MA	0.17 South	- 8	19
B4	SHWS --3-0031645 --PSNC	PROPERTY	50 BEHARRELL STREET CONCORD, MA	0.17 South	- 8	22
B5	SHWS --3-0000294 --DEPNFA	SMITH ASSOCIATES	50 BEHARRELL ST CONCORD, MA 01742	0.17 South	- 8	23
C6	RCRA NonGen / NLR NASHOBA BROOK BAKERY, LLC --MAD049438609		152 COMMONWEALTH AVE CONCORD, MA 01742	0.17 SSW	- 10	24
C7	RCRA NonGen / NLR 152 LLC --MAR000542902		152 COMMONWEALTH AVENUE CONCORD, MA 01742	0.17 SSW	- 10	28
D8	SHWS --3-0019124 --RAO	MCI AUTO BODY GARAGE	ELM ST CONCORD, MA 01742	0.20 North	+ 10	32
D9	SHWS --3-0001818 --RAO	MCI BUILDING F	ELM ST RTE 2 CONCORD, MA 01742	0.20 North	+ 10	33

Sites Summary Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

TOTAL: 57

GEOCODED: 49

NON GEOCODED: 8

Map ID	DB Type --ID/Status	Site Name	Address	Dist/Dir	ElevDiff	Page No.
E10	RCRA NonGen / NLR --MAD001029768	GENRAD INC	300 BAKER AVE CONCORD, MA 01742	0.20 ESE	- 6	34
E10	SHWS --3-0002121 --RAO	GENRAD INC	300 BAKER AVE CONCORD, MA 01742	0.20 ESE	- 6	44
E11	RCRA-VSQG --MAR000014084	NON-RESIDENTIAL BUILDING	300 BAKER AVENUE CONCORD, MA 01742	0.20 ESE	- 6	45
E12	RCRA-VSQG --MAR000552976	LEXINGTON EYE ASSOCIATES INC	300 BAKER AVE CONCORD, MA 01742	0.20 ESE	- 6	49
F13	RCRA-VSQG --MAD982190266	EDWARDSSEN & SOBERG MOBILE SERV	166 COMMONWEALTH AVE CONCORD, MA 01742	0.21 SW	- 9	58
F14	AST	E&S MOBILE SERVICES INC	166 COMMONWEALTH AVE CONCORD, MA 01742	0.21 SW	- 9	62
F15	AST --9417		, MA	0.21 SW	- 9	63
F15	UST --9417 --Tank Removed --Tank Temporarily Out		, MA	0.21 SW	- 9	64
16	RCRA-VSQG --MAC300107091	JH KLEIN WASSINK & COMPANY INC	30 BEHARREL ST CONCORD, MA 01742	0.22 South	- 1	71
17	UST --9404 --Tank Removed	BOSTON GAS CO	66 COMMONWEALTH AVE CONCORD, MA 01742	0.22 SSE	+ 3	75
18	SHWS --3-0028284 --RAO	NO LOCATION AID	130 COMMONWEALTH AVE CONCORD, MA 01742	0.24 SSW	- 4	78
19	SHWS --3-0017278 --3-0025694 --3-0025966 --RAO	CONCORD CHRYSLER PLYMOUTH	135 COMMONWEALTH AVE CONCORD, MA 01742	0.25 SSW	- 6	80

Sites Summary Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

TOTAL: 57

GEOCODED: 49

NON GEOCODED: 8

Map ID	DB Type --ID/Status	Site Name	Address	Dist/Dir	ElevDiff	Page No.
G20	SHWS --3-0026204 --3-0014784 --RAONR --DPS	NO LOCATION AID	7-9 CHURCH ST CONCORD, MA 01742	0.31 South	+ 9	82
G21	SHWS --3-0026427 --RAO	WEST VILLAGE CLEANERS INC	13 CHURCH ST CONCORD, MA 01742	0.31 South	+ 10	83
22	LUST --3-0034214 / PSNC	COLONIAL MOTORS REPAIRS INC	1211 MAIN ST CONCORD, MA 01742	0.35 SSE	+ 5	84
22	SHWS --3-0034214 --PSNC	COLONIAL MOTORS REPAIRS INC	1211 MAIN ST CONCORD, MA 01742	0.35 SSE	+ 5	91
23	SHWS --3-0023224 --RAO	NO LOCATION AID	1201 MAIN ST CONCORD, MA 01742	0.35 SSE	+ 0	92
24	SHWS --3-0001905 --PENNFA	A BODY SHOP	WEST GATE PARK CONCORD, MA 01742	0.37 SSE	+ 3	93
25	SHWS --3-0000130 --RAO	PATRIOT AMBULANCE	1173 MAIN ST CONCORD, MA 01742	0.38 SSE	- 10	94
26	SHWS --3-0015553 --DPS	NO LOCATION AID	1150 MAIN ST CONCORD, MA 01742	0.39 SE	- 7	95
27	LUST --3-0015490 / RAO	MCI CONCORD	965 ELM ST CONCORD, MA 01742	0.39 North	+ 9	96
27	SWF/LF --Inactive	MCI CONCORD	965 ELM ST CONCORD, MA 01742	0.39 North	+ 9	98

Sites Summary Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

TOTAL: 57

GEOCODED: 49

NON GEOCODED: 8

Map ID	DB Type --ID/Status	Site Name	Address	Dist/Dir	ElevDiff	Page No.
28	SHWS --3-0010537 --RAO	FMR GAS STATION	794 ELM ST CONCORD, MA 01742	0.41 NE	- 4	100
29	LAST --3-0026832 / RAO	DEE BUS SERVICES OFFICE	1135 MAIN ST CONCORD, MA 01742	0.43 SE	- 2	101
29	SHWS --3-0026832 --RAO	DEE BUS SERVICES OFFICE	1135 MAIN ST CONCORD, MA 01742	0.43 SE	- 2	105
H30	INST CONTROL --3-0003444	MOBIL STATION 01-154	1112 MAIN ST CONCORD, MA 01742	0.44 SE	- 1	107
H30	LAST --3-0003444 / RAO	MOBIL STATION 01-154	1112 MAIN ST CONCORD, MA 01742	0.44 SE	- 1	108
H30	LUST --3-0003444 / RAO	MOBIL STATION 01-154	1112 MAIN ST CONCORD, MA 01742	0.44 SE	- 1	123
H30	SHWS --3-0003444 --3-0029066 --3-0022743 --3-0024820 --3-0026009 --3-0028101 *Additional key fields are available in the Map Findings section	MOBIL STATION 01-154	1112 MAIN ST CONCORD, MA 01742	0.44 SE	- 1	153
H31	LUST --3-0031778 / RAO	FORMER GASOLINE STATION	1112 MAIN STREET CONCORD, MA 01742	0.44 SE	- 1	156
32	SHWS --3-0025923 --RAO	NO LOCATION AID	MAIN ST AND W ST CONCORD, MA 01742	0.50 SSW	+ 27	163
33	SHWS --3-0003969 --3-0010987 --3-0028259 --RAO --RAONR	NO LOCATION AID	503 COMMONWEALTH AVE CONCORD, MA 01742	0.51 NNW	+ 9	164

Sites Summary Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

TOTAL: 57

GEOCODED: 49

NON GEOCODED: 8

Map ID	DB Type --ID/Status	Site Name	Address	Dist/Dir	ElevDiff	Page No.
34	SHWS --3-0021339 --3-0028194 --RAONR	ROUTE 2A	686 ELM ST CONCORD, MA 01742	0.53 ENE	- 3	166
35	SHWS --3-0001164 --RAO	INDUSTRIAL PROPERTY	194 BAKER AVE AKA 54 BAKE CONCORD, MA 01742	0.56 East	+ 42	168
36	SHWS --3-0019053 --RAO	SOUTH OF MARLBORO RD	40 WOODLAND RD CONCORD, MA 01742	0.69 SE	+ 71	169
37	SHWS --3-0024279 --RAO	RESIDENCE	76 COBURN HILL RD CONCORD, MA 01742	0.81 ENE	+ 22	170
38	SHWS --3-0033478 --PSNC	RESIDENCE	895 MAIN STREET CONCORD, MA 01742	0.81 ESE	+ 25	171
39	SHWS --3-0035340 --PSNC	RESIDENTIAL PROPERTY	494 OLD MARLBORO ROAD CONCORD, MA	0.83 SSE	+ 21	172

Sites Summary Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

TOTAL: 57

GEOCODED: 49

NON GEOCODED: 8

Map ID	DB Type --ID/Status	Site Name	Address	Dist/Dir	ElevDiff	Page No.
	SHWS --2-0018897 --RAO	SIGNAL Y	RTE 27 - NEAR 960 MAIN ST ACTON, MA 01720	NON GC	N/A	N/A
	SHWS --2-0018613 --RAO	ACTON WATER DISTRICT	684 - 686 MASSACHUSETTS A ACTON, MA 01720	NON GC	N/A	N/A
	SHWS --2-0021171 --PSNC	ROADWAY RELEASE	EASTON RD NEAR MAIN ST ACTON, MA	NON GC	N/A	N/A
	SHWS --2-0021051 --PSNC	MODF RELEASE	MAIN STREET NEAR MM 65.7 ACTON, MA	NON GC	N/A	N/A
	SHWS --3-0013425 --RAO	FACILITY #62	RTE 2 CONCORD TPKE CONCORD, MA 01742	NON GC	N/A	N/A
	SHWS --3-0029351 --RAO	BAKER AVE EXTENSION AT RT 2 IN	BAKER AVENUE EXTENSION CONCORD, MA	NON GC	N/A	N/A
	SHWS --3-0014058 --RAO	NO LOCATION AID	BAKER AVENUE EXT 130 CONCORD, MA 01742	NON GC	N/A	N/A
	SHWS --3-0035307 --PSNC	BROWN STREET @ COUSINS PARK	BROWN STREET CONCORD, MA	NON GC	N/A	N/A

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

NPL

EDR ID: 1000140403 DIST/DIR: 0.898 WNW ELEVATION: MAP ID: 0

NAME: W.R. GRACE & CO., INC. (ACTON PLANT)

Rev: 12/30/2020

ADDRESS: 50 INDEPENDENCE RD
ACTON, MA 01720
MIDDLESEX

ID/Status: 100350

ID/Status: MAD001002252

SOURCE: US EPA

NPL:

EPA Region: 1

EPA ID: MAD001002252

Site ID: 100350

Name: W.R. GRACE & CO., INC. (ACTON PLANT)

Address: 50 INDEPENDENCE RD

City,State,Zip: ACTON, MA 01720

Federal: N

Final Date: 1983-09-08 00:00:00

Latitude: 42.45055

Longitude: -71.427781

Site Score: 59.310000000000002

NPL:

NPL Status: Currently on the Final NPL

Substance ID: Not reported

CAS Number: Not reported

Substance: Not reported

Pathway: Not reported

Scoring: Not reported

NPL Status: Currently on the Final NPL

Substance ID: C049

CAS Number: 100-41-4

Substance: ETHYLBENZENE

Pathway: GROUND WATER PATHWAY

Scoring: 2

NPL Status: Currently on the Final NPL

Substance ID: C113

CAS Number: 100-42-5

Substance: STYRENE

Pathway: AIR PATHWAY

Scoring: 2

NPL Status: Currently on the Final NPL

Substance ID: C113

CAS Number: 100-42-5

Substance: STYRENE

Pathway: GROUND WATER PATHWAY

Scoring: 2

NPL Status: Currently on the Final NPL

Substance ID: U019

CAS Number: 71-43-2

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

NPL

EDR ID: 1000140403 **DIST/DIR:** 0.898 WNW **ELEVATION:** **MAP ID:** 0

NAME: W.R. GRACE & CO., INC. (ACTON PLANT)

Rev: 12/30/2020

ADDRESS: 50 INDEPENDENCE RD

ID/Status: 100350

ACTON, MA 01720

ID/Status: MAD001002252

MIDDLESEX

SOURCE: US EPA

Substance: BENZENE

Pathway: GROUND WATER PATHWAY

Scoring: 2

NPL Status: Currently on the Final NPL

Substance ID: U043

CAS Number: 75-01-4

Substance: VINYL CHLORIDE

Pathway: GROUND WATER PATHWAY

Scoring: 4

NPL Status: Currently on the Final NPL

Substance ID: U044

CAS Number: 67-66-3

Substance: CHLOROFORM

Pathway: NO PATHWAY INDICATED

Scoring: 1

NPL Status: Currently on the Final NPL

Substance ID: U078

CAS Number: 75-35-4

Substance: DICHLOROETHENE, 1,1-

Pathway: AIR PATHWAY

Scoring: 3

NPL Status: Currently on the Final NPL

Substance ID: U078

CAS Number: 75-35-4

Substance: DICHLOROETHENE, 1,1-

Pathway: GROUND WATER PATHWAY

Scoring: 2

NPL Status: Currently on the Final NPL

Substance ID: U078

CAS Number: 75-35-4

Substance: DICHLOROETHENE, 1,1-

Pathway: SURFACE WATER PATHWAY

Scoring: 3

NPL Status: Currently on the Final NPL

Substance ID: U080

CAS Number: 75-09-2

Substance: METHYLENE CHLORIDE

Pathway: NO PATHWAY INDICATED

Scoring: 1

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

NPL

EDR ID: 1000140403 **DIST/DIR:** 0.898 WNW **ELEVATION:** **MAP ID:** 0

NAME: W.R. GRACE & CO., INC. (ACTON PLANT)

Rev: 12/30/2020

ADDRESS: 50 INDEPENDENCE RD

ID/Status: 100350

ACTON, MA 01720

ID/Status: MAD001002252

MIDDLESEX

SOURCE: US EPA

NPL Status: Currently on the Final NPL

Substance ID: U220

CAS Number: 108-88-3

Substance: TOLUENE

Pathway: NO PATHWAY INDICATED

Scoring: 1

NPL Status: Currently on the Final NPL

Substance ID: U228

CAS Number: 79-01-6

Substance: TRICHLOROETHYLENE (TCE)

Pathway: NO PATHWAY INDICATED

Scoring: 1

Summary Details:

Conditions at listing December 1982): The W.R. Grace Co., Inc., plant covers 500 acres in Acton, Massachusetts. Until early 1982, the plant manufactured various specialty chemicals and other products for industrial use. Since at least 1973, residents in South Acton have filed complaints about periodic odors and irritants in the air around the Grace plant. In addition, the town drilled Assabet Wells 1 and 2 in the area, which contains deep deposits of sand and gravel and bears large amounts of ground water. However, the water had odors indicating significant contamination. In 1978, when Grace proposed expanding part of the plant, local and State officials undertook a more detailed examination of the company's waste disposal practices. This led to the precautionary closing of two contaminated municipal wells, reducing Acton's drinking water supply by 40 percent. On Oct. 21, 1980, EPA and Grace signed a Consent Decree, representing an out-of-court settlement of a Federal suit filed against the company under the Resource Conservation and Recovery Act. The settlement required Grace to clean up and restore the quality of the aquifer supplying Assabet Wells 1 and 2 and to close out the existing lagoons and landfill on-site, which are no longer in use. Status July 1983): EPA is evaluating Grace's proposals to start cleanup of the lagoons and landfill and drill wells to intercept contaminated water in the aquifer.

NPL:

NPL Status: Currently on the Final NPL

Category Description: Depth To Aquifer-> 25 And <= 50 Feet

Category Value: 40

NPL Status: Currently on the Final NPL

Category Description: Distance To Nearest Population-0 Miles (On Site)

Category Value: 0

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

NPL

EDR ID:	1000140403	DIST/DIR:	0.898 WNW	ELEVATION:		MAP ID:	0

NAME: W.R. GRACE & CO., INC. (ACTON PLANT)

Rev: 12/30/2020

ADDRESS: 50 INDEPENDENCE RD

ID/Status: 100350

ACTON, MA 01720

ID/Status: MAD001002252

MIDDLESEX

SOURCE: US EPA

NPL:

NPL Name: W.R. GRACE & CO., INC. (ACTON PLANT)

NPL:

EPA Region: 01

Site ID: 0100350

Site Status: F

Federal Site: N

Date Deleted: Not reported

Date Finalized: 09/08/83

Date Proposed: 12/30/82

NPL:

Proposed Date: 12/30/1982

Final Date: 09/08/1983

Deleted Date: Not reported

NPL Status: Final

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA NonGen / NLR

EDR ID: 1000242977 **DIST/DIR:** 0.076 SW **ELEVATION:** 125 **MAP ID:** A1

NAME: TECHNICAL COMMUNICATIONS CORP

Rev: 12/14/2020

ADDRESS: 56 WINTHROP ST

ID/Status: MAD001419266

CONCORD, MA 01742

MIDDLESEX

SOURCE: US Environmental Protection Agency

RCRA NonGen / NLR:

Date Form Received by Agency: 1981-02-12 00:00:00.0

Handler Name: TECHNICAL COMMUNICATIONS CORP

Handler Address: 56 WINTHROP ST

Handler City,State,Zip: CONCORD, MA 01742

EPA ID: MAD001419266

Contact Name: WILLIAM ORAGO

Contact Address: 56 WINTHROP ST

Contact City,State,Zip: CONCORD, MA 01742

Contact Telephone: 508-369-2563

Contact Fax: Not reported

Contact Email: Not reported

Contact Title: Not reported

EPA Region: 01

Land Type: Private

Federal Waste Generator Description: Not a generator, verified

Non-Notifier: Not reported

Biennial Report Cycle: Not reported

Accessibility: Not reported

Active Site Indicator: Not reported

State District Owner: MA

State District: N

Mailing Address: 56 WINTHROP ST

Mailing City,State,Zip: CONCORD, MA 01742

Owner Name: Not reported

Owner Type: Not reported

Operator Name: TECHNICAL COMMUNICATIONS CORP

Operator Type: Private

Short-Term Generator Activity: No

Importer Activity: No

Mixed Waste Generator: No

Transporter Activity: No

Transfer Facility Activity: No

Recycler Activity with Storage: No

Small Quantity On-Site Burner Exemption: No

Smelting Melting and Refining Furnace Exemption: No

Underground Injection Control: No

Off-Site Waste Receipt: No

Universal Waste Indicator: No

Universal Waste Destination Facility: No

Federal Universal Waste: No

Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported

Active Site Converter Treatment storage and Disposal Facility: Not reported

Active Site State-Reg Treatment Storage and Disposal Facility: Not reported

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA NonGen / NLR

EDR ID: 1000242977 **DIST/DIR:** 0.076 SW **ELEVATION:** 125 **MAP ID:** A1

NAME: TECHNICAL COMMUNICATIONS CORP

Rev: 12/14/2020

ADDRESS: 56 WINTHROP ST
CONCORD, MA 01742
MIDDLESEX

ID/Status: MAD001419266

SOURCE: US Environmental Protection Agency

Active Site State-Reg Handler: ---
Federal Facility Indicator: Not reported
Hazardous Secondary Material Indicator: NN
Sub-Part K Indicator: Not reported
Commercial TSD Indicator: No
Treatment Storage and Disposal Type: Not reported
2018 GPRA Permit Baseline: Not on the Baseline
2018 GPRA Renewals Baseline: Not on the Baseline
Permit Renewals Workload Universe: Not reported
Permit Workload Universe: Not reported
Permit Progress Universe: Not reported
Post-Closure Workload Universe: Not reported
Closure Workload Universe: Not reported
202 GPRA Corrective Action Baseline: No
Corrective Action Workload Universe: No
Subject to Corrective Action Universe: No
Non-TSDFs Where RCRA CA has Been Imposed Universe: No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: No
TSDFs Only Subject to CA under Discretionary Auth Universe: No
Corrective Action Priority Ranking: No NCAPS ranking
Environmental Control Indicator: No
Institutional Control Indicator: No
Human Exposure Controls Indicator: N/A
Groundwater Controls Indicator: N/A
Operating TSDF Universe: Not reported
Full Enforcement Universe: Not reported
Significant Non-Complier Universe: No
Unaddressed Significant Non-Complier Universe: No
Addressed Significant Non-Complier Universe: No
Significant Non-Complier With a Compliance Schedule Universe: No
Financial Assurance Required: Not reported
Handler Date of Last Change: 2017-10-20 14:10:00.0
Recognized Trader-Importer: No
Recognized Trader-Exporter: No
Importer of Spent Lead Acid Batteries: No
Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: No
Manifest Broker: No
Sub-Part P Indicator: Not reported

Hazardous Waste Summary:
Waste Code: D002
Waste Description: CORROSIVE WASTE

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA NonGen / NLR

EDR ID: 1000242977 **DIST/DIR:** 0.076 SW **ELEVATION:** 125 **MAP ID:** A1

NAME: TECHNICAL COMMUNICATIONS CORP

Rev: 12/14/2020

ADDRESS: 56 WINTHROP ST
CONCORD, MA 01742
MIDDLESEX

ID/Status: MAD001419266

SOURCE: US Environmental Protection Agency

Waste Code: F002

Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Handler - Owner Operator:

Owner/Operator Indicator: Operator

Owner/Operator Name: TECHNICAL COMMUNICATIONS CORP

Legal Status: Private

Date Became Current: 1990-11-29 00:00:00.

Date Ended Current: 1990-11-30 00:00:00.

Owner/Operator Address: 56 WINTHROP ST

Owner/Operator City,State,Zip: CONCORD, MA 01742

Owner/Operator Telephone: Not reported

Owner/Operator Telephone Ext: Not reported

Owner/Operator Fax: Not reported

Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 1981-02-12 00:00:00.0

Handler Name: TECHNICAL COMMUNICATIONS CORP

Federal Waste Generator Description: Not a generator, verified

State District Owner: MA

Large Quantity Handler of Universal Waste: No

Recognized Trader Importer: No

Recognized Trader Exporter: No

Spent Lead Acid Battery Importer: No

Spent Lead Acid Battery Exporter: No

Current Record: Yes

Non Storage Recycler Activity: Not reported

Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violation:

Found Violation: Yes

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA NonGen / NLR

EDR ID: 1000242977 **DIST/DIR:** 0.076 SW **ELEVATION:** 125 **MAP ID:** A1

NAME: TECHNICAL COMMUNICATIONS CORP

Rev: 12/14/2020

ADDRESS: 56 WINTHROP ST

ID/Status: MAD001419266

CONCORD, MA 01742

MIDDLESEX

SOURCE: US Environmental Protection Agency

Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 1991-04-19 00:00:00.0
Actual Return to Compliance Date: 1991-09-12 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 1991-06-24 00:00:00.0
Enforcement Identifier: 000
Date of Enforcement Action: 1991-05-24 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R1NS
Enforcement Responsible Sub-Organization: NE
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 1991-04-19 00:00:00.0
Actual Return to Compliance Date: 1991-09-12 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 1991-06-24 00:00:00.0

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA NonGen / NLR

EDR ID: 1000242977 **DIST/DIR:** 0.076 SW **ELEVATION:** 125 **MAP ID:** A1

NAME: TECHNICAL COMMUNICATIONS CORP

Rev: 12/14/2020

ADDRESS: 56 WINTHROP ST
CONCORD, MA 01742
MIDDLESEX

ID/Status: MAD001419266

SOURCE: US Environmental Protection Agency

Enforcement Identifier: 000
Date of Enforcement Action: 1991-05-24 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R1NS
Enforcement Responsible Sub-Organization: NE
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA NonGen / NLR

EDR ID: 1000242977 **DIST/DIR:** 0.076 SW **ELEVATION:** 125 **MAP ID:** A1

NAME: TECHNICAL COMMUNICATIONS CORP

Rev: 12/14/2020

ADDRESS: 56 WINTHROP ST
CONCORD, MA 01742
MIDDLESEX

ID/Status: MAD001419266

SOURCE: US Environmental Protection Agency

Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 1991-04-19 00:00:00.0
Actual Return to Compliance Date: 1991-09-12 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 1991-06-24 00:00:00.0
Enforcement Identifier: 000
Date of Enforcement Action: 1991-05-24 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA NonGen / NLR

EDR ID: 1000242977 **DIST/DIR:** 0.076 SW **ELEVATION:** 125 **MAP ID:** A1

NAME: TECHNICAL COMMUNICATIONS CORP

Rev: 12/14/2020

ADDRESS: 56 WINTHROP ST
CONCORD, MA 01742
MIDDLESEX

ID/Status: MAD001419266

SOURCE: US Environmental Protection Agency

Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R1NS
Enforcement Responsible Sub-Organization: NE
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 1991-04-19 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R1NS
Evaluation Responsible Sub-Organization: NE
Actual Return to Compliance Date: 1991-09-12 00:00:00.0
Scheduled Compliance Date: 1991-06-24 00:00:00.0
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 1991-04-19 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R1NS
Evaluation Responsible Sub-Organization: NE
Actual Return to Compliance Date: 1991-09-12 00:00:00.0
Scheduled Compliance Date: 1991-06-24 00:00:00.0
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 1991-09-12 00:00:00.0

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA NonGen / NLR

EDR ID: 1000242977 **DIST/DIR:** 0.076 SW **ELEVATION:** 125 **MAP ID:** A1

NAME: TECHNICAL COMMUNICATIONS CORP

Rev: 12/14/2020

ADDRESS: 56 WINTHROP ST
CONCORD, MA 01742
MIDDLESEX

ID/Status: MAD001419266

SOURCE: US Environmental Protection Agency

Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: FOLLOW-UP INSPECTION
Evaluation Responsible Person Identifier: R1NS
Evaluation Responsible Sub-Organization: NE
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 1991-04-19 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R1NS
Evaluation Responsible Sub-Organization: NE
Actual Return to Compliance Date: 1991-09-12 00:00:00.0
Scheduled Compliance Date: 1991-06-24 00:00:00.0
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

SHWS

EDR ID: S105199754 **DIST/DIR:** 0.076 SW **ELEVATION:** 125 **MAP ID:** A2

NAME: INDUSTRIAL PROPERTY

Rev: 01/11/2021

ADDRESS: 56 WINTHROP ST
CONCORD, MA 01742

ID/Status: 3-0004171
ID/Status: LSPNFA

SOURCE: MA Department of Environmental Protection

SHWS:

Name: INDUSTRIAL PROPERTY
Address: 56 WINTHROP ST
City,State,Zip: CONCORD, MA 01742
Facility ID: 3-0004171
Source Type: UNKNOWN
Release Town: CONCORD
Notification Date: 01/15/1993
Category: NONE
Associated ID: Not reported
Current Status: LSPNFA
Status Date: 07/15/1997
Phase: Not reported
Response Action Outcome: Not reported
Oil Or Haz Material: Not reported

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA-VSQG

EDR ID: 1004717768 **DIST/DIR:** 0.112 West **ELEVATION:** 129 **MAP ID:** 3

NAME: SWEDISH MOTOR WORKS AND REPAIR LLC

Rev: 12/14/2020

ADDRESS: 256 COMMONWEALTH AVE
CONCORD, MA 01742
MIDDLESEX

ID/Status: MAD985271733

SOURCE: US Environmental Protection Agency

RCRA-VSQG:

Date Form Received by Agency: 2015-02-05 00:00:00.0

Handler Name: SWEDISH MOTOR WORKS AND REPAIR LLC

Handler Address: 256 COMMONWEALTH AVE

Handler City,State,Zip: CONCORD, MA 01742

EPA ID: MAD985271733

Contact Name: SARAH MACPHEE

Contact Address: 256 COMMONWEALTH AVE

Contact City,State,Zip: WEST CONCORD, MA 01742-0000

Contact Telephone: 978-369-8220

Contact Fax: Not reported

Contact Email: Not reported

Contact Title: Not reported

EPA Region: 01

Land Type: Private

Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator

Non-Notifier: Not reported

Biennial Report Cycle: Not reported

Accessibility: Not reported

Active Site Indicator: Handler Activities, State-specific Activities

State District Owner: MA

State District: N

Mailing Address: 256 COMMONWEALTH AVE

Mailing City,State,Zip: WEST CONCORD, MA 01742-0000

Owner Name: WALTER GIFFEN

Owner Type: Private

Operator Name: WALTER GIFFEN

Operator Type: Private

Short-Term Generator Activity: No

Importer Activity: No

Mixed Waste Generator: No

Transporter Activity: No

Transfer Facility Activity: No

Recycler Activity with Storage: No

Small Quantity On-Site Burner Exemption: No

Smelting Melting and Refining Furnace Exemption: No

Underground Injection Control: No

Off-Site Waste Receipt: No

Universal Waste Indicator: No

Universal Waste Destination Facility: No

Federal Universal Waste: No

Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported

Active Site Converter Treatment storage and Disposal Facility: Not reported

Active Site State-Reg Treatment Storage and Disposal Facility: Not reported

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA-VSQG

EDR ID: 1004717768 **DIST/DIR:** 0.112 West **ELEVATION:** 129 **MAP ID:** 3

NAME: SWEDISH MOTOR WORKS AND REPAIR LLC

Rev: 12/14/2020

ADDRESS: 256 COMMONWEALTH AVE
CONCORD, MA 01742
MIDDLESEX

ID/Status: MAD985271733

SOURCE: US Environmental Protection Agency

Active Site State-Reg Handler: --Y
Federal Facility Indicator: Not reported
Hazardous Secondary Material Indicator: NN
Sub-Part K Indicator: Not reported
Commercial TSD Indicator: No
Treatment Storage and Disposal Type: Not reported
2018 GPRA Permit Baseline: Not on the Baseline
2018 GPRA Renewals Baseline: Not on the Baseline
Permit Renewals Workload Universe: Not reported
Permit Workload Universe: Not reported
Permit Progress Universe: Not reported
Post-Closure Workload Universe: Not reported
Closure Workload Universe: Not reported
202 GPRA Corrective Action Baseline: No
Corrective Action Workload Universe: No
Subject to Corrective Action Universe: No
Non-TSDFs Where RCRA CA has Been Imposed Universe: No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: No
TSDFs Only Subject to CA under Discretionary Auth Universe: No
Corrective Action Priority Ranking: No NCAPS ranking
Environmental Control Indicator: No
Institutional Control Indicator: No
Human Exposure Controls Indicator: N/A
Groundwater Controls Indicator: N/A
Operating TSDF Universe: Not reported
Full Enforcement Universe: Not reported
Significant Non-Complier Universe: No
Unaddressed Significant Non-Complier Universe: No
Addressed Significant Non-Complier Universe: No
Significant Non-Complier With a Compliance Schedule Universe: No
Financial Assurance Required: Not reported
Handler Date of Last Change: 2017-10-20 14:16:31.0
Recognized Trader-Importer: No
Recognized Trader-Exporter: No
Importer of Spent Lead Acid Batteries: No
Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: No
Manifest Broker: No
Sub-Part P Indicator: Not reported

Hazardous Waste Summary:

Waste Code: D039

Waste Description: TETRACHLOROETHYLENE

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA-VSQG

EDR ID: 1004717768 **DIST/DIR:** 0.112 West **ELEVATION:** 129 **MAP ID:** 3

NAME: SWEDISH MOTOR WORKS AND REPAIR LLC

Rev: 12/14/2020

ADDRESS: 256 COMMONWEALTH AVE
CONCORD, MA 01742
MIDDLESEX

ID/Status: MAD985271733

SOURCE: US Environmental Protection Agency

Handler - Owner Operator:

Owner/Operator Indicator: Operator

Owner/Operator Name: SWEDISH MOTOR WORKS INC

Legal Status: Private

Date Became Current: 1991-12-08 00:00:00.

Date Ended Current: Not reported

Owner/Operator Address: 256 COMMONWEALTH AVE

Owner/Operator City,State,Zip: WEST CONCORD, MA 01742

Owner/Operator Telephone: Not reported

Owner/Operator Telephone Ext: Not reported

Owner/Operator Fax: Not reported

Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator

Owner/Operator Name: WALTER GIFFEN

Legal Status: Private

Date Became Current: 2009-04-01 00:00:00.

Date Ended Current: Not reported

Owner/Operator Address: 256 COMMONWEALTH AVE

Owner/Operator City,State,Zip: WEST CONCORD, MA 01742-0000

Owner/Operator Telephone: Not reported

Owner/Operator Telephone Ext: Not reported

Owner/Operator Fax: Not reported

Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner

Owner/Operator Name: WALTER GIFFEN

Legal Status: Private

Date Became Current: 2001-04-01 00:00:00.

Date Ended Current: Not reported

Owner/Operator Address: 256 COMMONWEALTH AVE

Owner/Operator City,State,Zip: WEST CONCORD, MA 01742-0000

Owner/Operator Telephone: Not reported

Owner/Operator Telephone Ext: Not reported

Owner/Operator Fax: Not reported

Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner

Owner/Operator Name: SWEDISH MOTOR WORKS INC

Legal Status: Private

Date Became Current: 2004-10-16 00:00:00.

Date Ended Current: Not reported

Owner/Operator Address: 256 COMMONWEALTH AVE

Owner/Operator City,State,Zip: WEST CONCORD, MA 01742

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA-VSQG

EDR ID: 1004717768 **DIST/DIR:** 0.112 West **ELEVATION:** 129 **MAP ID:** 3

NAME: SWEDISH MOTOR WORKS AND REPAIR LLC

Rev: 12/14/2020

ADDRESS: 256 COMMONWEALTH AVE
CONCORD, MA 01742
MIDDLESEX

ID/Status: MAD985271733

SOURCE: US Environmental Protection Agency

Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 1986-06-07 00:00:00.0

Handler Name: SWEDISH MOTOR WORKS AND REPAIR LLC

Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator

State District Owner: MA

Large Quantity Handler of Universal Waste: No

Recognized Trader Importer: No

Recognized Trader Exporter: No

Spent Lead Acid Battery Importer: No

Spent Lead Acid Battery Exporter: No

Current Record: No

Non Storage Recycler Activity: Not reported

Electronic Manifest Broker: Not reported

Receive Date: 2015-02-05 00:00:00.0

Handler Name: SWEDISH MOTOR WORKS AND REPAIR LLC

Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator

State District Owner: MA

Large Quantity Handler of Universal Waste: No

Recognized Trader Importer: No

Recognized Trader Exporter: No

Spent Lead Acid Battery Importer: No

Spent Lead Acid Battery Exporter: No

Current Record: Yes

Non Storage Recycler Activity: Not reported

Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 326212

NAICS Description: TIRE RETREADING

NAICS Code: 811111

NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:

Violations: No Violations Found

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA-VSQG

EDR ID: 1004717768 **DIST/DIR:** 0.112 West **ELEVATION:** 129 **MAP ID:** 3

NAME: SWEDISH MOTOR WORKS AND REPAIR LLC

Rev: 12/14/2020

ADDRESS: 256 COMMONWEALTH AVE
CONCORD, MA 01742
MIDDLESEX

ID/Status: MAD985271733

SOURCE: US Environmental Protection Agency

Evaluation Action Summary:

Evaluations: No Evaluations Found

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LUST

EDR ID: S114004792 **DIST/DIR:** 0.169 South **ELEVATION:** 119 **MAP ID:** B4

NAME: PROPERTY

Rev: 01/11/2021

ADDRESS: 50 BEHARRELL STREET
CONCORD, MA

ID/Status: 3-0031645 / PSNC

SOURCE: MA Department of Environmental Protection

LUST:

Facility:

Name: PROPERTY

Address: 50 BEHARRELL STREET

City,State,Zip: CONCORD, MA

Current Status: PSNC

Release Tracking Number/Current Status: 3-0031645 / PSNC

Status Date: 05/28/2014

Source Type: UST

Release Town: CONCORD

Notification Date: 08/20/2013

Category: 72 HR

Associated ID: Not reported

Phase: Not reported

Response Action Outcome: PN - PN

Oil Or Haz Material: Oil

Location Type: COMMERCIAL

Location Type: RESIDENTIAL

Source: FUEL TANK

Source: UST

Source: TANK

[Click here to access the MA DEP site for this facility:](#)

Chemicals:

Chemical: GASOLINE

Quantity: 600 parts per million

Actions:

Action Type: Release Abatement Measure

Action Status: Written Plan Received

Action Date: 1/28/2014

Response Action Outcome: PN

Action Type: Release Abatement Measure

Action Status: Fee Received - FMCRA Use Only

Action Date: 1/29/2014

Response Action Outcome: PN

Action Type: Release Abatement Measure

Action Status: Level I - Technical Screen Audit

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LUST

EDR ID: S114004792 **DIST/DIR:** 0.169 South **ELEVATION:** 119 **MAP ID:** B4

NAME: PROPERTY

Rev: 01/11/2021

ADDRESS: 50 BEHARRELL STREET
CONCORD, MA

ID/Status: 3-0031645 / PSNC

SOURCE: MA Department of Environmental Protection

Action Date: 1/29/2014
Response Action Outcome: PN

Action Type: BOL
Action Status: SHPFAC
Action Date: 10/17/2013
Response Action Outcome: PN

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 10/17/2013
Response Action Outcome: PN

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 10/17/2013
Response Action Outcome: PN

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 4/30/2014
Response Action Outcome: PN

Action Type: Response Action Outcome - RAO
Action Status: PSNRCD
Action Date: 5/28/2014
Response Action Outcome: PN

Action Type: BOL
Action Status: SHPFAC
Action Date: 5/28/2014
Response Action Outcome: PN

Action Type: Release Abatement Measure
Action Status: Completion Statement Received
Action Date: 5/28/2014
Response Action Outcome: PN

Action Type: Response Action Outcome - RAO
Action Status: Fee Received - FMCRA Use Only
Action Date: 6/4/2014
Response Action Outcome: PN

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LUST

EDR ID: S114004792 **DIST/DIR:** 0.169 South **ELEVATION:** 119 **MAP ID:** B4

NAME: PROPERTY

Rev: 01/11/2021

ADDRESS: 50 BEHARRELL STREET
CONCORD, MA

ID/Status: 3-0031645 / PSNC

SOURCE: MA Department of Environmental Protection

Action Date: 7/23/2014

Response Action Outcome: PN

Action Type: Immediate Response Action

Action Status: Oral Approval of Plan or Action

Action Date: 8/20/2013

Response Action Outcome: PN

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 8/20/2013

Response Action Outcome: PN

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 9/13/2013

Response Action Outcome: PN

Action Type: BOL

Action Status: Transmittal, Notice, or Notification Received

Action Date: 9/9/2013

Response Action Outcome: PN

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

SHWS

EDR ID: S114004792 **DIST/DIR:** 0.169 South **ELEVATION:** 119 **MAP ID:** B4

NAME: PROPERTY **Rev:** 01/11/2021
ADDRESS: 50 BEHARRELL STREET
CONCORD, MA ID/Status: 3-0031645
ID/Status: PSNC

SOURCE: MA Department of Environmental Protection

SHWS:

Name: PROPERTY
Address: 50 BEHARRELL STREET
City,State,Zip: CONCORD, MA
Facility ID: 3-0031645
Source Type: FUEL TANK
Release Town: CONCORD
Notification Date: 08/20/2013
Category: 72 HR
Associated ID: Not reported
Current Status: PSNC
Status Date: 05/28/2014
Phase: Not reported
Response Action Outcome: PN
Oil Or Haz Material: Oil

Name: PROPERTY
Address: 50 BEHARRELL STREET
City,State,Zip: CONCORD, MA
Facility ID: 3-0031645
Source Type: TANK
Release Town: CONCORD
Notification Date: 08/20/2013
Category: 72 HR
Associated ID: Not reported
Current Status: PSNC
Status Date: 05/28/2014
Phase: Not reported
Response Action Outcome: PN
Oil Or Haz Material: Oil

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

SHWS

EDR ID: S100040900 **DIST/DIR:** 0.169 South **ELEVATION:** 119 **MAP ID:** B5

NAME: SMITH ASSOCIATES

Rev: 01/11/2021

ADDRESS: 50 BEHARRELL ST
CONCORD, MA 01742

ID/Status: 3-0000294
ID/Status: DEPNFA

SOURCE: MA Department of Environmental Protection

SHWS:

Name: SMITH ASSOCIATES
Address: 50 BEHARRELL ST
City,State,Zip: CONCORD, MA 01742
Facility ID: 3-0000294
Source Type: LANDFILL
Release Town: CONCORD
Notification Date: 01/15/1987
Category: NONE
Associated ID: Not reported
Current Status: DEPNFA
Status Date: 07/23/1993
Phase: Not reported
Response Action Outcome: Not reported
Oil Or Haz Material: Not reported

Name: SMITH ASSOCIATES
Address: 50 BEHARRELL ST
City,State,Zip: CONCORD, MA 01742
Facility ID: 3-0000294
Source Type: UNCONTAIN
Release Town: CONCORD
Notification Date: 01/15/1987
Category: NONE
Associated ID: Not reported
Current Status: DEPNFA
Status Date: 07/23/1993
Phase: Not reported
Response Action Outcome: Not reported
Oil Or Haz Material: Not reported

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA NonGen / NLR

EDR ID: 1000407776 **DIST/DIR:** 0.172 SSW **ELEVATION:** 117 **MAP ID:** C6

NAME: NASHOBA BROOK BAKERY, LLC
ADDRESS: 152 COMMONWEALTH AVE
CONCORD, MA 01742

Rev: 12/14/2020
ID/Status: MAD049438609

SOURCE: US Environmental Protection Agency

RCRA NonGen / NLR:

Date Form Received by Agency: 1985-12-11 00:00:00.0

Handler Name: LEATHER SHOP INC THE

Handler Address: 152 COMMONWEALTH AVE

Handler City,State,Zip: CONCORD, MA 01742

EPA ID: MAD049438609

Contact Name: CONSTANCE SMITH

Contact Address: 152 COMMONWEALTH AVE

Contact City,State,Zip: CONCORD, MA 01742

Contact Telephone: 508-369-9178

Contact Fax: Not reported

Contact Email: Not reported

Contact Title: Not reported

EPA Region: 01

Land Type: Private

Federal Waste Generator Description: Not a generator, verified

Non-Notifier: Not reported

Biennial Report Cycle: Not reported

Accessibility: Not reported

Active Site Indicator: Not reported

State District Owner: MA

State District: N

Mailing Address: 152 COMMONWEALTH AVE

Mailing City,State,Zip: CONCORD, MA 01742

Owner Name: MERRILL WEINGROD

Owner Type: Private

Operator Name: LEATHER SHOP INC THE

Operator Type: Private

Short-Term Generator Activity: No

Importer Activity: No

Mixed Waste Generator: No

Transporter Activity: No

Transfer Facility Activity: No

Recycler Activity with Storage: No

Small Quantity On-Site Burner Exemption: No

Smelting Melting and Refining Furnace Exemption: No

Underground Injection Control: No

Off-Site Waste Receipt: No

Universal Waste Indicator: No

Universal Waste Destination Facility: No

Federal Universal Waste: No

Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported

Active Site Converter Treatment storage and Disposal Facility: Not reported

Active Site State-Reg Treatment Storage and Disposal Facility: Not reported

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA NonGen / NLR

EDR ID: 1000407776 **DIST/DIR:** 0.172 SSW **ELEVATION:** 117 **MAP ID:** C6

NAME: NASHOBA BROOK BAKERY, LLC
ADDRESS: 152 COMMONWEALTH AVE
CONCORD, MA 01742

Rev: 12/14/2020
ID/Status: MAD049438609

SOURCE: US Environmental Protection Agency

Active Site State-Reg Handler: ---
Federal Facility Indicator: Not reported
Hazardous Secondary Material Indicator: NN
Sub-Part K Indicator: Not reported
Commercial TSD Indicator: No
Treatment Storage and Disposal Type: Not reported
2018 GPRA Permit Baseline: Not on the Baseline
2018 GPRA Renewals Baseline: Not on the Baseline
Permit Renewals Workload Universe: Not reported
Permit Workload Universe: Not reported
Permit Progress Universe: Not reported
Post-Closure Workload Universe: Not reported
Closure Workload Universe: Not reported
202 GPRA Corrective Action Baseline: No
Corrective Action Workload Universe: No
Subject to Corrective Action Universe: No
Non-TSDFs Where RCRA CA has Been Imposed Universe: No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: No
TSDFs Only Subject to CA under Discretionary Auth Universe: No
Corrective Action Priority Ranking: No NCAPS ranking
Environmental Control Indicator: No
Institutional Control Indicator: No
Human Exposure Controls Indicator: N/A
Groundwater Controls Indicator: N/A
Operating TSDF Universe: Not reported
Full Enforcement Universe: Not reported
Significant Non-Complier Universe: No
Unaddressed Significant Non-Complier Universe: No
Addressed Significant Non-Complier Universe: No
Significant Non-Complier With a Compliance Schedule Universe: No
Financial Assurance Required: Not reported
Handler Date of Last Change: 2017-10-20 14:11:29.0
Recognized Trader-Importer: No
Recognized Trader-Exporter: No
Importer of Spent Lead Acid Batteries: No
Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: No
Manifest Broker: No
Sub-Part P Indicator: Not reported

Hazardous Waste Summary:
Waste Code: D001
Waste Description: IGNITABLE WASTE

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA NonGen / NLR

EDR ID: 1000407776 **DIST/DIR:** 0.172 SSW **ELEVATION:** 117 **MAP ID:** C6

NAME: NASHOBA BROOK BAKERY, LLC

Rev: 12/14/2020

ADDRESS: 152 COMMONWEALTH AVE
CONCORD, MA 01742

ID/Status: MAD049438609

SOURCE: US Environmental Protection Agency

Handler - Owner Operator:

Owner/Operator Indicator: Owner

Owner/Operator Name: MERRILL WEINGROD

Legal Status: Private

Date Became Current: 2004-10-16 00:00:00.

Date Ended Current: Not reported

Owner/Operator Address: 152 COMMONWEALTH AVE

Owner/Operator City,State,Zip: CONCORD, MA 01742

Owner/Operator Telephone: Not reported

Owner/Operator Telephone Ext: Not reported

Owner/Operator Fax: Not reported

Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator

Owner/Operator Name: LEATHER SHOP INC THE

Legal Status: Private

Date Became Current: 1990-03-01 00:00:00.

Date Ended Current: 1991-06-03 00:00:00.

Owner/Operator Address: 152 COMMONWEALTH AVE

Owner/Operator City,State,Zip: CONCORD, MA 01742

Owner/Operator Telephone: Not reported

Owner/Operator Telephone Ext: Not reported

Owner/Operator Fax: Not reported

Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 1985-12-11 00:00:00.0

Handler Name: LEATHER SHOP INC THE

Federal Waste Generator Description: Not a generator, verified

State District Owner: MA

Large Quantity Handler of Universal Waste: No

Recognized Trader Importer: No

Recognized Trader Exporter: No

Spent Lead Acid Battery Importer: No

Spent Lead Acid Battery Exporter: No

Current Record: Yes

Non Storage Recycler Activity: Not reported

Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Codes: No NAICS Codes Found

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA NonGen / NLR

EDR ID: 1000407776 **DIST/DIR:** 0.172 SSW **ELEVATION:** 117 **MAP ID:** C6

NAME: NASHOBA BROOK BAKERY, LLC
ADDRESS: 152 COMMONWEALTH AVE
CONCORD, MA 01742

Rev: 12/14/2020
ID/Status: MAD049438609

SOURCE: US Environmental Protection Agency

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA NonGen / NLR

EDR ID: 1024883832 **DIST/DIR:** 0.172 SSW **ELEVATION:** 117 **MAP ID:** C7

NAME: 152 LLC

Rev: 12/14/2020

ADDRESS: 152 COMMONWEALTH AVENUE
CONCORD, MA 01742
MIDDLESEX

ID/Status: MAR000542902

SOURCE: US Environmental Protection Agency

RCRA NonGen / NLR:

Date Form Received by Agency: 2019-06-30 00:00:00.0

Handler Name: 152 LLC

Handler Address: 152 COMMONWEALTH AVENUE

Handler City,State,Zip: CONCORD, MA 01742

EPA ID: MAR000542902

Contact Name: MATTHEW CURTIS

Contact Address: COMMONWEALTH AVENUE

Contact City,State,Zip: CONCORD, MA 01742

Contact Telephone: 617-771-0660

Contact Fax: Not reported

Contact Email: MWCURTIS@MWCURTIS.COM

Contact Title: Not reported

EPA Region: 01

Land Type: Private

Federal Waste Generator Description: Not a generator, verified

Non-Notifier: Not reported

Biennial Report Cycle: Not reported

Accessibility: Not reported

Active Site Indicator: Not reported

State District Owner: MA

State District: NE

Mailing Address: COMMONWEALTH AVENUE

Mailing City,State,Zip: CONCORD, MA 01742

Owner Name: 152 COMMONWEALTH, INC.

Owner Type: Private

Operator Name: 152, LLC

Operator Type: Private

Short-Term Generator Activity: No

Importer Activity: No

Mixed Waste Generator: No

Transporter Activity: No

Transfer Facility Activity: No

Recycler Activity with Storage: No

Small Quantity On-Site Burner Exemption: No

Smelting Melting and Refining Furnace Exemption: No

Underground Injection Control: No

Off-Site Waste Receipt: No

Universal Waste Indicator: No

Universal Waste Destination Facility: No

Federal Universal Waste: No

Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported

Active Site Converter Treatment storage and Disposal Facility: Not reported

Active Site State-Reg Treatment Storage and Disposal Facility: Not reported

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA NonGen / NLR

EDR ID: 1024883832	DIST/DIR: 0.172 SSW	ELEVATION: 117	MAP ID: C7

NAME: 152 LLC ADDRESS: 152 COMMONWEALTH AVENUE CONCORD, MA 01742 MIDDLESEX SOURCE: US Environmental Protection Agency	Rev: 12/14/2020 ID/Status: MAR000542902

Active Site State-Reg Handler: ---
 Federal Facility Indicator: Not reported
 Hazardous Secondary Material Indicator: NN
 Sub-Part K Indicator: Not reported
 Commercial TSD Indicator: No
 Treatment Storage and Disposal Type: Not reported
 2018 GPRA Permit Baseline: Not on the Baseline
 2018 GPRA Renewals Baseline: Not on the Baseline
 Permit Renewals Workload Universe: Not reported
 Permit Workload Universe: Not reported
 Permit Progress Universe: Not reported
 Post-Closure Workload Universe: Not reported
 Closure Workload Universe: Not reported
 202 GPRA Corrective Action Baseline: No
 Corrective Action Workload Universe: No
 Subject to Corrective Action Universe: No
 Non-TSDs Where RCRA CA has Been Imposed Universe: No
 TSDs Potentially Subject to CA Under 3004 (u)/(v) Universe: No
 TSDs Only Subject to CA under Discretionary Auth Universe: No
 Corrective Action Priority Ranking: No NCAPS ranking
 Environmental Control Indicator: No
 Institutional Control Indicator: No
 Human Exposure Controls Indicator: N/A
 Groundwater Controls Indicator: N/A
 Operating TSDF Universe: Not reported
 Full Enforcement Universe: Not reported
 Significant Non-Complier Universe: No
 Unaddressed Significant Non-Complier Universe: No
 Addressed Significant Non-Complier Universe: No
 Significant Non-Complier With a Compliance Schedule Universe: No
 Financial Assurance Required: Not reported
 Handler Date of Last Change: 2019-07-02 19:24:17.0
 Recognized Trader-Importer: No
 Recognized Trader-Exporter: No
 Importer of Spent Lead Acid Batteries: No
 Exporter of Spent Lead Acid Batteries: No
 Recycler Activity Without Storage: No
 Manifest Broker: No
 Sub-Part P Indicator: Not reported

Hazardous Waste Summary:
 Waste Code: D004
 Waste Description: ARSENIC

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA NonGen / NLR

EDR ID: 1024883832 **DIST/DIR:** 0.172 SSW **ELEVATION:** 117 **MAP ID:** C7

NAME: 152 LLC

Rev: 12/14/2020

ADDRESS: 152 COMMONWEALTH AVENUE
CONCORD, MA 01742
MIDDLESEX

ID/Status: MAR000542902

SOURCE: US Environmental Protection Agency

Handler - Owner Operator:

Owner/Operator Indicator: Owner
Owner/Operator Name: 152 COMMONWEALTH, INC.
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 410 GREAT ROAD
Owner/Operator City,State,Zip: LITTLETON, MA 01460
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: 152 COMMONWEALTH, INC.
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 410 GREAT ROAD
Owner/Operator City,State,Zip: LITTLETON, MA 01460
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: 152, LLC
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 152 COMMONWEALTH AVENUE
Owner/Operator City,State,Zip: CONCORD, MA 01742
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: 152, LLC
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 152 COMMONWEALTH AVENUE
Owner/Operator City,State,Zip: CONCORD, MA 01742

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA NonGen / NLR

EDR ID: 1024883832 **DIST/DIR:** 0.172 SSW **ELEVATION:** 117 **MAP ID:** C7

NAME: 152 LLC

Rev: 12/14/2020

ADDRESS: 152 COMMONWEALTH AVENUE
CONCORD, MA 01742
MIDDLESEX

ID/Status: MAR000542902

SOURCE: US Environmental Protection Agency

Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 2019-06-30 00:00:00.0

Handler Name: 152 LLC

Federal Waste Generator Description: Not a generator, verified

State District Owner: MA

Large Quantity Handler of Universal Waste: No

Recognized Trader Importer: No

Recognized Trader Exporter: No

Spent Lead Acid Battery Importer: No

Spent Lead Acid Battery Exporter: No

Current Record: Yes

Non Storage Recycler Activity: No

Electronic Manifest Broker: No

Receive Date: 2019-01-11 00:00:00.0

Handler Name: 152, LLC

Federal Waste Generator Description: Small Quantity Generator

State District Owner: MA

Large Quantity Handler of Universal Waste: No

Recognized Trader Importer: No

Recognized Trader Exporter: No

Spent Lead Acid Battery Importer: No

Spent Lead Acid Battery Exporter: No

Current Record: No

Non Storage Recycler Activity: No

Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:

NAICS Code: 541611

NAICS Description: ADMINISTRATIVE MANAGEMENT AND GENERAL MANAGEMENT CONSULTING SERVICES

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

SHWS

EDR ID: S109489507 **DIST/DIR:** 0.196 North **ELEVATION:** 137 **MAP ID:** D8

NAME: MCI AUTO BODY GARAGE

Rev: 01/11/2021

ADDRESS: ELM ST
CONCORD, MA 01742

ID/Status: 3-0019124
ID/Status: RAO

SOURCE: MA Department of Environmental Protection

SHWS:

Name: MCI AUTO BODY GARAGE

Address: ELM ST

City,State,Zip: CONCORD, MA 01742-0000

Facility ID: 3-0019124

Source Type: UNKNOWN

Release Town: CONCORD

Notification Date: 12/29/1999

Category: TWO HR

Associated ID: Not reported

Current Status: RAO

Status Date: 01/05/2001

Phase: Not reported

Response Action Outcome: A2

Oil Or Haz Material: Oil and Hazardous Material

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

SHWS

EDR ID: S105199434 **DIST/DIR:** 0.196 North **ELEVATION:** 137 **MAP ID:** D9

NAME: MCI BUILDING F

Rev: 01/11/2021

ADDRESS: ELM ST RTE 2

ID/Status: 3-0001818

CONCORD, MA 01742

ID/Status: RAO

SOURCE: MA Department of Environmental Protection

SHWS:

Name: MCI BUILDING F

Address: ELM ST RTE 2

City,State,Zip: CONCORD, MA 01742

Facility ID: 3-0001818

Source Type: Not reported

Release Town: CONCORD

Notification Date: 01/15/1989

Category: NONE

Associated ID: Not reported

Current Status: RAO

Status Date: 06/23/2000

Phase: Not reported

Response Action Outcome: A2

Oil Or Haz Material: Oil

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA NonGen / NLR

EDR ID: 1000352761 **DIST/DIR:** 0.201 ESE **ELEVATION:** 121 **MAP ID:** E10

NAME: GENRAD INC

Rev: 12/14/2020

ADDRESS: 300 BAKER AVE

ID/Status: MAD001029768

CONCORD, MA 01742

MIDDLESEX

SOURCE: US Environmental Protection Agency

RCRA NonGen / NLR:

Date Form Received by Agency: 1980-08-14 00:00:00.0

Handler Name: GENRAD INC

Handler Address: 300 BAKER AVE

Handler City,State,Zip: CONCORD, MA 01742

EPA ID: MAD001029768

Contact Name: RICHARD AICHELMANN

Contact Address: 300 BAKER AVE

Contact City,State,Zip: CONCORD, MA 01742

Contact Telephone: 508-369-4400

Contact Fax: Not reported

Contact Email: Not reported

Contact Title: Not reported

EPA Region: 01

Land Type: Private

Federal Waste Generator Description: Not a generator, verified

Non-Notifier: Not reported

Biennial Report Cycle: Not reported

Accessibility: Not reported

Active Site Indicator: Not reported

State District Owner: MA

State District: N

Mailing Address: 300 BAKER AVE

Mailing City,State,Zip: CONCORD, MA 01742

Owner Name: Not reported

Owner Type: Not reported

Operator Name: GENRAD INC

Operator Type: Private

Short-Term Generator Activity: No

Importer Activity: No

Mixed Waste Generator: No

Transporter Activity: No

Transfer Facility Activity: No

Recycler Activity with Storage: No

Small Quantity On-Site Burner Exemption: No

Smelting Melting and Refining Furnace Exemption: No

Underground Injection Control: No

Off-Site Waste Receipt: No

Universal Waste Indicator: No

Universal Waste Destination Facility: No

Federal Universal Waste: No

Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported

Active Site Converter Treatment storage and Disposal Facility: Not reported

Active Site State-Reg Treatment Storage and Disposal Facility: Not reported

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA NonGen / NLR

EDR ID: 1000352761	DIST/DIR: 0.201 ESE	ELEVATION: 121	MAP ID: E10

NAME: GENRAD INC ADDRESS: 300 BAKER AVE CONCORD, MA 01742 MIDDLESEX SOURCE: US Environmental Protection Agency	Rev: 12/14/2020 ID/Status: MAD001029768

Active Site State-Reg Handler: ---
 Federal Facility Indicator: Not reported
 Hazardous Secondary Material Indicator: NN
 Sub-Part K Indicator: Not reported
 Commercial TSD Indicator: No
 Treatment Storage and Disposal Type: Not reported
 2018 GPRA Permit Baseline: Not on the Baseline
 2018 GPRA Renewals Baseline: Not on the Baseline
 Permit Renewals Workload Universe: Not reported
 Permit Workload Universe: Not reported
 Permit Progress Universe: Not reported
 Post-Closure Workload Universe: Not reported
 Closure Workload Universe: Not reported
 202 GPRA Corrective Action Baseline: No
 Corrective Action Workload Universe: No
 Subject to Corrective Action Universe: No
 Non-TSDFs Where RCRA CA has Been Imposed Universe: No
 TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: No
 TSDFs Only Subject to CA under Discretionary Auth Universe: No
 Corrective Action Priority Ranking: No NCAPS ranking
 Environmental Control Indicator: No
 Institutional Control Indicator: No
 Human Exposure Controls Indicator: N/A
 Groundwater Controls Indicator: N/A
 Operating TSDF Universe: Not reported
 Full Enforcement Universe: Not reported
 Significant Non-Complier Universe: No
 Unaddressed Significant Non-Complier Universe: No
 Addressed Significant Non-Complier Universe: No
 Significant Non-Complier With a Compliance Schedule Universe: No
 Financial Assurance Required: Not reported
 Handler Date of Last Change: 2017-10-20 14:09:09.0
 Recognized Trader-Importer: No
 Recognized Trader-Exporter: No
 Importer of Spent Lead Acid Batteries: No
 Exporter of Spent Lead Acid Batteries: No
 Recycler Activity Without Storage: No
 Manifest Broker: No
 Sub-Part P Indicator: Not reported

Hazardous Waste Summary:
 Waste Code: F006
 Waste Description: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA NonGen / NLR

EDR ID: 1000352761 **DIST/DIR:** 0.201 ESE **ELEVATION:** 121 **MAP ID:** E10

NAME: GENRAD INC

Rev: 12/14/2020

ADDRESS: 300 BAKER AVE
CONCORD, MA 01742
MIDDLESEX

ID/Status: MAD001029768

SOURCE: US Environmental Protection Agency

FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM;
(2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS)
ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON
STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM
PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF
ALUMINUM.

Waste Code: F007

Waste Description: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

Waste Code: F009

Waste Description: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING
OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

Handler - Owner Operator:

Owner/Operator Indicator: Operator

Owner/Operator Name: GENRAD INC

Legal Status: Private

Date Became Current: 1991-12-08 00:00:00.

Date Ended Current: 1997-07-19 00:00:00.

Owner/Operator Address: 300 BAKER AVE

Owner/Operator City,State,Zip: CONCORD, MA 01742

Owner/Operator Telephone: Not reported

Owner/Operator Telephone Ext: Not reported

Owner/Operator Fax: Not reported

Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 1992-02-10 00:00:00.0

Handler Name: GEN RAD INC

Federal Waste Generator Description: Large Quantity Generator

State District Owner: Not reported

Large Quantity Handler of Universal Waste: No

Recognized Trader Importer: No

Recognized Trader Exporter: No

Spent Lead Acid Battery Importer: No

Spent Lead Acid Battery Exporter: No

Current Record: No

Non Storage Recycler Activity: Not reported

Electronic Manifest Broker: Not reported

Receive Date: 1994-02-15 00:00:00.0

Handler Name: GENRAD INC.

Federal Waste Generator Description: Large Quantity Generator

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA NonGen / NLR

EDR ID: 1000352761 **DIST/DIR:** 0.201 ESE **ELEVATION:** 121 **MAP ID:** E10

NAME: GENRAD INC

Rev: 12/14/2020

ADDRESS: 300 BAKER AVE
CONCORD, MA 01742
MIDDLESEX

ID/Status: MAD001029768

SOURCE: US Environmental Protection Agency

State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1996-02-16 00:00:00.0
Handler Name: GENRAD CORPORATION
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1998-02-25 00:00:00.0
Handler Name: GENRAD, INC.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1980-08-14 00:00:00.0
Handler Name: GENRAD INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: MA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA NonGen / NLR

EDR ID: 1000352761 **DIST/DIR:** 0.201 ESE **ELEVATION:** 121 **MAP ID:** E10

NAME: GENRAD INC

Rev: 12/14/2020

ADDRESS: 300 BAKER AVE

ID/Status: MAD001029768

CONCORD, MA 01742

MIDDLESEX

SOURCE: US Environmental Protection Agency

Current Record: Yes

Non Storage Recycler Activity: Not reported

Electronic Manifest Broker: Not reported

Receive Date: 1990-03-01 00:00:00.0

Handler Name: GENRAD INC

Federal Waste Generator Description: Large Quantity Generator

State District Owner: Not reported

Large Quantity Handler of Universal Waste: No

Recognized Trader Importer: No

Recognized Trader Exporter: No

Spent Lead Acid Battery Importer: No

Spent Lead Acid Battery Exporter: No

Current Record: No

Non Storage Recycler Activity: Not reported

Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 334519

NAICS Description: OTHER MEASURING AND CONTROLLING DEVICE MANUFACTURING

NAICS Code: 335999

NAICS Description: ALL OTHER MISCELLANEOUS ELECTRICAL EQUIPMENT AND COMPONENT
MANUFACTURING

Facility Has Received Notices of Violation:

Found Violation: Yes

Agency Which Determined Violation: State

Violation Short Description: Generators - General

Date Violation was Determined: 1989-12-20 00:00:00.0

Actual Return to Compliance Date: 1990-02-15 00:00:00.0

Return to Compliance Qualifier: Observed

Violation Responsible Agency: State

Scheduled Compliance Date: 1990-02-26 00:00:00.0

Enforcement Identifier: 003

Date of Enforcement Action: 1990-01-30 00:00:00.0

Enforcement Responsible Agency: State

Enforcement Docket Number: Not reported

Enforcement Attorney: Not reported

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

Disposition Status: Not reported

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA NonGen / NLR

EDR ID: 1000352761 **DIST/DIR:** 0.201 ESE **ELEVATION:** 121 **MAP ID:** E10

NAME: GENRAD INC

Rev: 12/14/2020

ADDRESS: 300 BAKER AVE

ID/Status: MAD001029768

CONCORD, MA 01742

MIDDLESEX

SOURCE: US Environmental Protection Agency

Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: NE
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 1991-09-13 00:00:00.0
Actual Return to Compliance Date: 1991-11-15 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 1991-11-04 00:00:00.0
Enforcement Identifier: 000
Date of Enforcement Action: 1991-10-07 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R1NS
Enforcement Responsible Sub-Organization: NE

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Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA NonGen / NLR

EDR ID: 1000352761 **DIST/DIR:** 0.201 ESE **ELEVATION:** 121 **MAP ID:** E10

NAME: GENRAD INC

Rev: 12/14/2020

ADDRESS: 300 BAKER AVE

ID/Status: MAD001029768

CONCORD, MA 01742

MIDDLESEX

SOURCE: US Environmental Protection Agency

SEP Sequence Number: Not reported

SEP Expenditure Amount: Not reported

SEP Scheduled Completion Date: Not reported

SEP Actual Date: Not reported

SEP Defaulted Date: Not reported

SEP Type: Not reported

SEP Type Description: Not reported

Proposed Amount: Not reported

Final Monetary Amount: Not reported

Paid Amount: Not reported

Final Count: Not reported

Final Amount: Not reported

Found Violation: Yes

Agency Which Determined Violation: State

Violation Short Description: Generators - General

Date Violation was Determined: 1991-09-13 00:00:00.0

Actual Return to Compliance Date: 1991-11-15 00:00:00.0

Return to Compliance Qualifier: Observed

Violation Responsible Agency: State

Scheduled Compliance Date: 1991-11-04 00:00:00.0

Enforcement Identifier: 000

Date of Enforcement Action: 1991-10-07 00:00:00.0

Enforcement Responsible Agency: State

Enforcement Docket Number: Not reported

Enforcement Attorney: Not reported

Corrective Action Component: No

Appeal Initiated Date: Not reported

Appeal Resolution Date: Not reported

Disposition Status Date: Not reported

Disposition Status: Not reported

Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported

Consent/Final Order Respondent Name: Not reported

Consent/Final Order Lead Agency: Not reported

Enforcement Type: WRITTEN INFORMAL

Enforcement Responsible Person: R1NS

Enforcement Responsible Sub-Organization: NE

SEP Sequence Number: Not reported

SEP Expenditure Amount: Not reported

SEP Scheduled Completion Date: Not reported

SEP Actual Date: Not reported

SEP Defaulted Date: Not reported

SEP Type: Not reported

SEP Type Description: Not reported

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Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA NonGen / NLR

EDR ID: 1000352761 **DIST/DIR:** 0.201 ESE **ELEVATION:** 121 **MAP ID:** E10

NAME: GENRAD INC

Rev: 12/14/2020

ADDRESS: 300 BAKER AVE
CONCORD, MA 01742
MIDDLESEX

ID/Status: MAD001029768

SOURCE: US Environmental Protection Agency

Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA NonGen / NLR

EDR ID: 1000352761 **DIST/DIR:** 0.201 ESE **ELEVATION:** 121 **MAP ID:** E10

NAME: GENRAD INC

Rev: 12/14/2020

ADDRESS: 300 BAKER AVE
CONCORD, MA 01742
MIDDLESEX

ID/Status: MAD001029768

SOURCE: US Environmental Protection Agency

Evaluation Action Summary:

Evaluation Date: 1989-12-20 00:00:00.0

Evaluation Responsible Agency: State

Found Violation: Yes

Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE

Evaluation Responsible Person Identifier: DJBMA

Evaluation Responsible Sub-Organization: NE

Actual Return to Compliance Date: 1990-02-15 00:00:00.0

Scheduled Compliance Date: 1990-02-26 00:00:00.0

Date of Request: Not reported

Date Response Received: Not reported

Request Agency: Not reported

Former Citation: Not reported

Evaluation Date: 1991-09-13 00:00:00.0

Evaluation Responsible Agency: State

Found Violation: Yes

Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE

Evaluation Responsible Person Identifier: R1NS

Evaluation Responsible Sub-Organization: NE

Actual Return to Compliance Date: 1991-11-15 00:00:00.0

Scheduled Compliance Date: 1991-11-04 00:00:00.0

Date of Request: Not reported

Date Response Received: Not reported

Request Agency: Not reported

Former Citation: Not reported

Evaluation Date: 1991-09-13 00:00:00.0

Evaluation Responsible Agency: State

Found Violation: Yes

Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE

Evaluation Responsible Person Identifier: R1NS

Evaluation Responsible Sub-Organization: NE

Actual Return to Compliance Date: 1991-11-15 00:00:00.0

Scheduled Compliance Date: 1991-11-04 00:00:00.0

Date of Request: Not reported

Date Response Received: Not reported

Request Agency: Not reported

Former Citation: Not reported

Evaluation Date: 1990-02-15 00:00:00.0

Evaluation Responsible Agency: State

Found Violation: No

Evaluation Type Description: COMPLIANCE SCHEDULE EVALUATION

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA NonGen / NLR

EDR ID: 1000352761 **DIST/DIR:** 0.201 ESE **ELEVATION:** 121 **MAP ID:** E10

NAME: GENRAD INC

Rev: 12/14/2020

ADDRESS: 300 BAKER AVE
CONCORD, MA 01742
MIDDLESEX

ID/Status: MAD001029768

SOURCE: US Environmental Protection Agency

Evaluation Responsible Person Identifier: DJBMA
Evaluation Responsible Sub-Organization: NE
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

SHWS

EDR ID: 1000352761 **DIST/DIR:** 0.201 ESE **ELEVATION:** 121 **MAP ID:** E10

NAME: GENRAD INC **Rev:** 01/11/2021
ADDRESS: 300 BAKER AVE ID/Status: 3-0002121
CONCORD, MA 01742 ID/Status: RAO
MIDDLESEX
SOURCE: MA Department of Environmental Protection

SHWS:
Name: GENRAD
Address: 300 BAKER RD
City,State,Zip: CONCORD, MA 01742
Facility ID: 3-0002121
Source Type: Not reported
Release Town: CONCORD
Notification Date: 04/15/1989
Category: NONE
Associated ID: Not reported
Current Status: RAO
Status Date: 03/29/1996
Phase: Not reported
Response Action Outcome: A2
Oil Or Haz Material: Not reported

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA-VSQG

EDR ID: 1004718272 **DIST/DIR:** 0.201 ESE **ELEVATION:** 121 **MAP ID:** E11

NAME: NON-RESIDENTIAL BUILDING

Rev: 12/14/2020

ADDRESS: 300 BAKER AVENUE
CONCORD, MA 01742
MIDDLESEX

ID/Status: MAR000014084

SOURCE: US Environmental Protection Agency

RCRA-VSQG:

Date Form Received by Agency: 2000-10-19 00:00:00.0

Handler Name: AVAYA INC

Handler Address: 300 BAKER AVE

Handler City,State,Zip: CONCORD, MA 01742

EPA ID: MAR000014084

Contact Name: THOMAS HARDING

Contact Address: 211 MT AIRY RD

Contact City,State,Zip: BASKING RIDGE, NJ 07920-2322

Contact Telephone: 908-953-5340

Contact Fax: Not reported

Contact Email: Not reported

Contact Title: Not reported

EPA Region: 01

Land Type: Private

Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator

Non-Notifier: Not reported

Biennial Report Cycle: Not reported

Accessibility: Not reported

Active Site Indicator: Handler Activities

State District Owner: MA

State District: N

Mailing Address: 211 MOUNT AIRY ROAD

Mailing City,State,Zip: BASKING RIDGE, NJ 07920-2322

Owner Name: AVAYA INC

Owner Type: Private

Operator Name: AVAYA INC

Operator Type: Private

Short-Term Generator Activity: No

Importer Activity: No

Mixed Waste Generator: No

Transporter Activity: No

Transfer Facility Activity: No

Recycler Activity with Storage: No

Small Quantity On-Site Burner Exemption: No

Smelting Melting and Refining Furnace Exemption: No

Underground Injection Control: No

Off-Site Waste Receipt: No

Universal Waste Indicator: No

Universal Waste Destination Facility: No

Federal Universal Waste: No

Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported

Active Site Converter Treatment storage and Disposal Facility: Not reported

Active Site State-Reg Treatment Storage and Disposal Facility: Not reported

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA-VSQG

EDR ID: 1004718272 **DIST/DIR:** 0.201 ESE **ELEVATION:** 121 **MAP ID:** E11

NAME: NON-RESIDENTIAL BUILDING

Rev: 12/14/2020

ADDRESS: 300 BAKER AVENUE
CONCORD, MA 01742
MIDDLESEX

ID/Status: MAR000014084

SOURCE: US Environmental Protection Agency

Active Site State-Reg Handler: ---
Federal Facility Indicator: Not reported
Hazardous Secondary Material Indicator: NN
Sub-Part K Indicator: Not reported
Commercial TSD Indicator: No
Treatment Storage and Disposal Type: Not reported
2018 GPRA Permit Baseline: Not on the Baseline
2018 GPRA Renewals Baseline: Not on the Baseline
Permit Renewals Workload Universe: Not reported
Permit Workload Universe: Not reported
Permit Progress Universe: Not reported
Post-Closure Workload Universe: Not reported
Closure Workload Universe: Not reported
202 GPRA Corrective Action Baseline: No
Corrective Action Workload Universe: No
Subject to Corrective Action Universe: No
Non-TSDs Where RCRA CA has Been Imposed Universe: No
TSDs Potentially Subject to CA Under 3004 (u)/(v) Universe: No
TSDs Only Subject to CA under Discretionary Auth Universe: No
Corrective Action Priority Ranking: No NCAPS ranking
Environmental Control Indicator: No
Institutional Control Indicator: No
Human Exposure Controls Indicator: N/A
Groundwater Controls Indicator: N/A
Operating TSD Universe: Not reported
Full Enforcement Universe: Not reported
Significant Non-Complier Universe: No
Unaddressed Significant Non-Complier Universe: No
Addressed Significant Non-Complier Universe: No
Significant Non-Complier With a Compliance Schedule Universe: No
Financial Assurance Required: Not reported
Handler Date of Last Change: 2017-10-20 14:18:43.0
Recognized Trader-Importer: No
Recognized Trader-Exporter: No
Importer of Spent Lead Acid Batteries: No
Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: No
Manifest Broker: No
Sub-Part P Indicator: Not reported

Hazardous Waste Summary:
Waste Code: D001
Waste Description: IGNITABLE WASTE

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA-VSQG

EDR ID: 1004718272 **DIST/DIR:** 0.201 ESE **ELEVATION:** 121 **MAP ID:** E11

NAME: NON-RESIDENTIAL BUILDING

Rev: 12/14/2020

ADDRESS: 300 BAKER AVENUE
CONCORD, MA 01742
MIDDLESEX

ID/Status: MAR000014084

SOURCE: US Environmental Protection Agency

Waste Code: D002

Waste Description: CORROSIVE WASTE

Waste Code: D006

Waste Description: CADMIUM

Waste Code: D008

Waste Description: LEAD

Waste Code: D009

Waste Description: MERCURY

Handler - Owner Operator:

Owner/Operator Indicator: Operator

Owner/Operator Name: AVAYA INC

Legal Status: Private

Date Became Current: 1999-07-05 00:00:00.

Date Ended Current: Not reported

Owner/Operator Address: 211 MT AIRY RD

Owner/Operator City,State,Zip: BASKING RIDGE, NJ 07920-2322

Owner/Operator Telephone: Not reported

Owner/Operator Telephone Ext: Not reported

Owner/Operator Fax: Not reported

Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator

Owner/Operator Name: AVAYA INC

Legal Status: Private

Date Became Current: 1999-07-05 00:00:00.

Date Ended Current: Not reported

Owner/Operator Address: 211 MOUNT AIRY ROAD

Owner/Operator City,State,Zip: BASKING RIDGE, NJ 07920-2322

Owner/Operator Telephone: Not reported

Owner/Operator Telephone Ext: Not reported

Owner/Operator Fax: Not reported

Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner

Owner/Operator Name: AVAYA INC

Legal Status: Private

Date Became Current: 1900-01-01 00:00:00.

Date Ended Current: Not reported

Owner/Operator Address: 211 MT AIRY RD

Owner/Operator City,State,Zip: BASKING RIDGE, NJ 07920-2322

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA-VSQG

EDR ID: 1004718272 **DIST/DIR:** 0.201 ESE **ELEVATION:** 121 **MAP ID:** E11

NAME: NON-RESIDENTIAL BUILDING

Rev: 12/14/2020

ADDRESS: 300 BAKER AVENUE
CONCORD, MA 01742
MIDDLESEX

ID/Status: MAR000014084

SOURCE: US Environmental Protection Agency

Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 1999-07-05 00:00:00.0

Handler Name: AVAYA INC

Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator

State District Owner: MA

Large Quantity Handler of Universal Waste: No

Recognized Trader Importer: No

Recognized Trader Exporter: No

Spent Lead Acid Battery Importer: No

Spent Lead Acid Battery Exporter: No

Current Record: No

Non Storage Recycler Activity: Not reported

Electronic Manifest Broker: Not reported

Receive Date: 2000-10-19 00:00:00.0

Handler Name: AVAYA INC

Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator

State District Owner: MA

Large Quantity Handler of Universal Waste: No

Recognized Trader Importer: No

Recognized Trader Exporter: No

Spent Lead Acid Battery Importer: No

Spent Lead Acid Battery Exporter: No

Current Record: Yes

Non Storage Recycler Activity: Not reported

Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA-VSQG

EDR ID: 1025502820 **DIST/DIR:** 0.201 ESE **ELEVATION:** 121 **MAP ID:** E12

NAME: LEXINGTON EYE ASSOCIATES INC

Rev: 12/14/2020

ADDRESS: 300 BAKER AVE
CONCORD, MA 01742
MIDDLESEX

ID/Status: MAR000552976

SOURCE: US Environmental Protection Agency

RCRA-VSQG:

Date Form Received by Agency: 2019-03-27 00:00:00.0

Handler Name: LEXINGTON EYE ASSOCIATES INC

Handler Address: 300 BAKER AVE

Handler City,State,Zip: CONCORD, MA 01742

EPA ID: MAR000552976

Contact Name: MANDY PETERSON

Contact Address: BAKER AVE

Contact City,State,Zip: CONCORD, MA 01742

Contact Telephone: 781-862-1620 483

Contact Fax: Not reported

Contact Email: MPETERSON@LEXEYE.COM

Contact Title: TECHNICIAN MANAGER

EPA Region: 01

Land Type: Private

Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator

Non-Notifier: Not reported

Biennial Report Cycle: Not reported

Accessibility: Not reported

Active Site Indicator: Handler Activities

State District Owner: Not reported

State District: Not reported

Mailing Address: BAKER AVE

Mailing City,State,Zip: CONCORD, MA 01742

Owner Name: MANDI KUNEN MD

Owner Type: Private

Operator Name: MANDI KUNEN MD

Operator Type: Private

Short-Term Generator Activity: No

Importer Activity: No

Mixed Waste Generator: No

Transporter Activity: No

Transfer Facility Activity: No

Recycler Activity with Storage: No

Small Quantity On-Site Burner Exemption: No

Smelting Melting and Refining Furnace Exemption: No

Underground Injection Control: No

Off-Site Waste Receipt: No

Universal Waste Indicator: No

Universal Waste Destination Facility: No

Federal Universal Waste: No

Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported

Active Site Converter Treatment storage and Disposal Facility: Not reported

Active Site State-Reg Treatment Storage and Disposal Facility: Not reported

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA-VSQG

EDR ID: 1025502820 **DIST/DIR:** 0.201 ESE **ELEVATION:** 121 **MAP ID:** E12

NAME: LEXINGTON EYE ASSOCIATES INC

Rev: 12/14/2020

ADDRESS: 300 BAKER AVE
CONCORD, MA 01742
MIDDLESEX

ID/Status: MAR000552976

SOURCE: US Environmental Protection Agency

Active Site State-Reg Handler: ---
Federal Facility Indicator: Not reported
Hazardous Secondary Material Indicator: NN
Sub-Part K Indicator: Not reported
Commercial TSD Indicator: No
Treatment Storage and Disposal Type: Not reported
2018 GPRA Permit Baseline: Not on the Baseline
2018 GPRA Renewals Baseline: Not on the Baseline
Permit Renewals Workload Universe: Not reported
Permit Workload Universe: Not reported
Permit Progress Universe: Not reported
Post-Closure Workload Universe: Not reported
Closure Workload Universe: Not reported
202 GPRA Corrective Action Baseline: No
Corrective Action Workload Universe: No
Subject to Corrective Action Universe: No
Non-TSDFs Where RCRA CA has Been Imposed Universe: No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: No
TSDFs Only Subject to CA under Discretionary Auth Universe: No
Corrective Action Priority Ranking: No NCAPS ranking
Environmental Control Indicator: No
Institutional Control Indicator: No
Human Exposure Controls Indicator: N/A
Groundwater Controls Indicator: N/A
Operating TSDF Universe: Not reported
Full Enforcement Universe: Not reported
Significant Non-Complier Universe: No
Unaddressed Significant Non-Complier Universe: No
Addressed Significant Non-Complier Universe: No
Significant Non-Complier With a Compliance Schedule Universe: No
Financial Assurance Required: Not reported
Handler Date of Last Change: 2019-04-03 14:49:00.0
Recognized Trader-Importer: No
Recognized Trader-Exporter: No
Importer of Spent Lead Acid Batteries: No
Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: No
Manifest Broker: No
Sub-Part P Indicator: Not reported

Hazardous Waste Summary:

Waste Code: U035

Waste Description: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) CHLORAMBUCIL

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA-VSQG

EDR ID: 1025502820 **DIST/DIR:** 0.201 ESE **ELEVATION:** 121 **MAP ID:** E12

NAME: LEXINGTON EYE ASSOCIATES INC

Rev: 12/14/2020

ADDRESS: 300 BAKER AVE
CONCORD, MA 01742
MIDDLESEX

ID/Status: MAR000552976

SOURCE: US Environmental Protection Agency

Handler - Owner Operator:

Owner/Operator Indicator: Owner

Owner/Operator Name: DEBORAH MCCOY MD

Legal Status: Private

Date Became Current: 2019-03-27 00:00:00.

Date Ended Current: Not reported

Owner/Operator Address: 300 BAKER AVE

Owner/Operator City,State,Zip: CONCORD, MA 01742

Owner/Operator Telephone: Not reported

Owner/Operator Telephone Ext: Not reported

Owner/Operator Fax: Not reported

Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator

Owner/Operator Name: ANN BURNHAM MD

Legal Status: Private

Date Became Current: Not reported

Date Ended Current: Not reported

Owner/Operator Address: 300 BAKER AVE

Owner/Operator City,State,Zip: CONCORD, MA 01742

Owner/Operator Telephone: Not reported

Owner/Operator Telephone Ext: Not reported

Owner/Operator Fax: Not reported

Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator

Owner/Operator Name: MATTHEW LAZZARA MD

Legal Status: Private

Date Became Current: Not reported

Date Ended Current: Not reported

Owner/Operator Address: 300 BAKER AVE

Owner/Operator City,State,Zip: CONCORD, MA 01742

Owner/Operator Telephone: Not reported

Owner/Operator Telephone Ext: Not reported

Owner/Operator Fax: Not reported

Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator

Owner/Operator Name: OLIVIA LIAO MD

Legal Status: Private

Date Became Current: Not reported

Date Ended Current: Not reported

Owner/Operator Address: 300 BAKER AVE

Owner/Operator City,State,Zip: CONCORD, MA 01742

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA-VSQG

EDR ID: 1025502820 **DIST/DIR:** 0.201 ESE **ELEVATION:** 121 **MAP ID:** E12

NAME: LEXINGTON EYE ASSOCIATES INC

Rev: 12/14/2020

ADDRESS: 300 BAKER AVE

ID/Status: MAR000552976

CONCORD, MA 01742

MIDDLESEX

SOURCE: US Environmental Protection Agency

Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: MATTHEW LAZZARA MD
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 300 BAKER AVE
Owner/Operator City,State,Zip: CONCORD, MA 01742
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: OLIVIA LIAO MD
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 300 BAKER AVE
Owner/Operator City,State,Zip: CONCORD, MA 01742
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: LI WEI LIN MD
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 300 BAKER AVE
Owner/Operator City,State,Zip: CONCORD, MA 01742
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: ANN BURNHAM MD
Legal Status: Private
Date Became Current: Not reported

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA-VSQG

EDR ID: 1025502820 **DIST/DIR:** 0.201 ESE **ELEVATION:** 121 **MAP ID:** E12

NAME: LEXINGTON EYE ASSOCIATES INC

Rev: 12/14/2020

ADDRESS: 300 BAKER AVE
CONCORD, MA 01742
MIDDLESEX

ID/Status: MAR000552976

SOURCE: US Environmental Protection Agency

Date Ended Current: Not reported
Owner/Operator Address: 300 BAKER AVE
Owner/Operator City,State,Zip: CONCORD, MA 01742
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: JEREMY KIEVAL MD
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 300 BAKER AVE
Owner/Operator City,State,Zip: CONCORD, MA 01742
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: JENNIFER MULLON MD
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 300 BAKER AVE
Owner/Operator City,State,Zip: CONCORD, MA 01742
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: MANDI KUNEN MD
Legal Status: Private
Date Became Current: 2019-03-27 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 300 BAKER AVE
Owner/Operator City,State,Zip: CONCORD, MA 01742
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA-VSQG

EDR ID: 1025502820 **DIST/DIR:** 0.201 ESE **ELEVATION:** 121 **MAP ID:** E12

NAME: LEXINGTON EYE ASSOCIATES INC

Rev: 12/14/2020

ADDRESS: 300 BAKER AVE
CONCORD, MA 01742
MIDDLESEX

ID/Status: MAR000552976

SOURCE: US Environmental Protection Agency

Owner/Operator Name: JAMES UMLAS MD
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 300 BAKER AVE
Owner/Operator City,State,Zip: CONCORD, MA 01742
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: O'INE MCCABE MD
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 300 BAKER AVE
Owner/Operator City,State,Zip: CONCORD, MA 01742
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: JAMES UMLAS MD
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 300 BAKER AVE
Owner/Operator City,State,Zip: CONCORD, MA 01742
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: WILLIAM BOGER MD
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 300 BAKER AVE
Owner/Operator City,State,Zip: CONCORD, MA 01742
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA-VSQG

EDR ID: 1025502820 **DIST/DIR:** 0.201 ESE **ELEVATION:** 121 **MAP ID:** E12

NAME: LEXINGTON EYE ASSOCIATES INC

Rev: 12/14/2020

ADDRESS: 300 BAKER AVE
CONCORD, MA 01742
MIDDLESEX

ID/Status: MAR000552976

SOURCE: US Environmental Protection Agency

Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator

Owner/Operator Name: WILLIAM BOGER MD

Legal Status: Private

Date Became Current: Not reported

Date Ended Current: Not reported

Owner/Operator Address: 300 BAKER AVE

Owner/Operator City,State,Zip: CONCORD, MA 01742

Owner/Operator Telephone: Not reported

Owner/Operator Telephone Ext: Not reported

Owner/Operator Fax: Not reported

Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner

Owner/Operator Name: MANDI KUNEN MD

Legal Status: Private

Date Became Current: 2019-03-27 00:00:00.

Date Ended Current: Not reported

Owner/Operator Address: 300 BAKER AVE

Owner/Operator City,State,Zip: CONCORD, MA 01742

Owner/Operator Telephone: Not reported

Owner/Operator Telephone Ext: Not reported

Owner/Operator Fax: Not reported

Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator

Owner/Operator Name: JEREMY KIEVAL MD

Legal Status: Private

Date Became Current: Not reported

Date Ended Current: Not reported

Owner/Operator Address: 300 BAKER AVE

Owner/Operator City,State,Zip: CONCORD, MA 01742

Owner/Operator Telephone: Not reported

Owner/Operator Telephone Ext: Not reported

Owner/Operator Fax: Not reported

Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator

Owner/Operator Name: DEBORAH MCCOY MD

Legal Status: Private

Date Became Current: 2019-03-27 00:00:00.

Date Ended Current: Not reported

Owner/Operator Address: 300 BAKER AVE

Owner/Operator City,State,Zip: CONCORD, MA 01742

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA-VSQG

EDR ID: 1025502820 **DIST/DIR:** 0.201 ESE **ELEVATION:** 121 **MAP ID:** E12

NAME: LEXINGTON EYE ASSOCIATES INC

Rev: 12/14/2020

ADDRESS: 300 BAKER AVE

ID/Status: MAR000552976

CONCORD, MA 01742

MIDDLESEX

SOURCE: US Environmental Protection Agency

Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: LI WEI LIN MD
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 300 BAKER AVE
Owner/Operator City,State,Zip: CONCORD, MA 01742
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: O'INE MCCABE MD
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 300 BAKER AVE
Owner/Operator City,State,Zip: CONCORD, MA 01742
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: JENNIFER MULLON MD
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 300 BAKER AVE
Owner/Operator City,State,Zip: CONCORD, MA 01742
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2019-03-27 00:00:00.0
Handler Name: LEXINGTON EYE ASSOCIATES INC

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA-VSQG

EDR ID: 1025502820 **DIST/DIR:** 0.201 ESE **ELEVATION:** 121 **MAP ID:** E12

NAME: LEXINGTON EYE ASSOCIATES INC

Rev: 12/14/2020

ADDRESS: 300 BAKER AVE
CONCORD, MA 01742
MIDDLESEX

ID/Status: MAR000552976

SOURCE: US Environmental Protection Agency

Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator

State District Owner: Not reported

Large Quantity Handler of Universal Waste: No

Recognized Trader Importer: No

Recognized Trader Exporter: No

Spent Lead Acid Battery Importer: No

Spent Lead Acid Battery Exporter: No

Current Record: Yes

Non Storage Recycler Activity: No

Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:

NAICS Code: 621111

NAICS Description: OFFICES OF PHYSICIANS (EXCEPT MENTAL HEALTH SPECIALISTS)

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA-VSQQ

EDR ID: 1004717204 **DIST/DIR:** 0.208 SW **ELEVATION:** 118 **MAP ID:** F13

NAME: EDWARDSSEN & SOBERG MOBILE SERVICE INC **Rev:** 12/14/2020
ADDRESS: 166 COMMONWEALTH AVE ID/Status: MAD982190266
CONCORD, MA 01742
MIDDLESEX
SOURCE: US Environmental Protection Agency

RCRA-VSQQ:

Date Form Received by Agency: 1987-01-28 00:00:00.0
Handler Name: EDWARDSSEN & SOBERG MOBILE SERVICE INC
Handler Address: 166 COMMONWEALTH AVE
Handler City,State,Zip: CONCORD, MA 01742
EPA ID: MAD982190266
Contact Name: HOWARD-J SOBERG JR
Contact Address: 166 COMMONWEALTH AVE
Contact City,State,Zip: CONCORD, MA 01742
Contact Telephone: 508-369-2996
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 01
Land Type: Private
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: MA
State District: N
Mailing Address: 166 COMMONWEALTH AVE
Mailing City,State,Zip: CONCORD, MA 01742
Owner Name: HOWARD JR & WILLIAM SOBERG
Owner Type: Private
Operator Name: E&S MOBILE SERVICE INC
Operator Type: Private
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No
Small Quantity On-Site Burner Exemption: No
Smelting Melting and Refining Furnace Exemption: No
Underground Injection Control: No
Off-Site Waste Receipt: No
Universal Waste Indicator: No
Universal Waste Destination Facility: No
Federal Universal Waste: No
Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported
Active Site Converter Treatment storage and Disposal Facility: Not reported
Active Site State-Reg Treatment Storage and Disposal Facility: Not reported

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA-VSQG

EDR ID: 1004717204 **DIST/DIR:** 0.208 SW **ELEVATION:** 118 **MAP ID:** F13

NAME: EDWARDSSEN & SOBERG MOBILE SERVICE INC

Rev: 12/14/2020

ADDRESS: 166 COMMONWEALTH AVE
CONCORD, MA 01742
MIDDLESEX

ID/Status: MAD982190266

SOURCE: US Environmental Protection Agency

Active Site State-Reg Handler: ---
Federal Facility Indicator: Not reported
Hazardous Secondary Material Indicator: NN
Sub-Part K Indicator: Not reported
Commercial TSD Indicator: No
Treatment Storage and Disposal Type: Not reported
2018 GPRA Permit Baseline: Not on the Baseline
2018 GPRA Renewals Baseline: Not on the Baseline
Permit Renewals Workload Universe: Not reported
Permit Workload Universe: Not reported
Permit Progress Universe: Not reported
Post-Closure Workload Universe: Not reported
Closure Workload Universe: Not reported
202 GPRA Corrective Action Baseline: No
Corrective Action Workload Universe: No
Subject to Corrective Action Universe: No
Non-TSDFs Where RCRA CA has Been Imposed Universe: No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: No
TSDFs Only Subject to CA under Discretionary Auth Universe: No
Corrective Action Priority Ranking: No NCAPS ranking
Environmental Control Indicator: No
Institutional Control Indicator: No
Human Exposure Controls Indicator: N/A
Groundwater Controls Indicator: N/A
Operating TSDF Universe: Not reported
Full Enforcement Universe: Not reported
Significant Non-Complier Universe: No
Unaddressed Significant Non-Complier Universe: No
Addressed Significant Non-Complier Universe: No
Significant Non-Complier With a Compliance Schedule Universe: No
Financial Assurance Required: Not reported
Handler Date of Last Change: 2017-10-20 14:15:27.0
Recognized Trader-Importer: No
Recognized Trader-Exporter: No
Importer of Spent Lead Acid Batteries: No
Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: No
Manifest Broker: No
Sub-Part P Indicator: Not reported

Hazardous Waste Summary:

Waste Code: F002

Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE,

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA-VSQG

EDR ID: 1004717204 **DIST/DIR:** 0.208 SW **ELEVATION:** 118 **MAP ID:** F13

NAME: EDWARDSSEN & SOBERG MOBILE SERVICE INC **Rev:** 12/14/2020
ADDRESS: 166 COMMONWEALTH AVE ID/Status: MAD982190266
CONCORD, MA 01742
MIDDLESEX
SOURCE: US Environmental Protection Agency

METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: E&S MOBILE SERVICE INC
Legal Status: Private
Date Became Current: 1991-12-09 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 166 COMMONWEALTH AVE
Owner/Operator City,State,Zip: CONCORD, MA 01742
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: HOWARD JR & WILLIAM SOBERG
Legal Status: Private
Date Became Current: 2004-10-16 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 166 COMMONWEALTH AVE
Owner/Operator City,State,Zip: CONCORD, MA 01742
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 1987-01-28 00:00:00.0
Handler Name: EDWARDSSEN & SOBERG MOBILE SERVICE INC
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: MA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA-VSQG

EDR ID: 1004717204 **DIST/DIR:** 0.208 SW **ELEVATION:** 118 **MAP ID:** F13

NAME: EDWARDSSEN & SOBERG MOBILE SERVICE INC

Rev: 12/14/2020

ADDRESS: 166 COMMONWEALTH AVE
CONCORD, MA 01742
MIDDLESEX

ID/Status: MAD982190266

SOURCE: US Environmental Protection Agency

Current Record: Yes

Non Storage Recycler Activity: Not reported

Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

AST

EDR ID: A100462955 **DIST/DIR:** 0.208 SW **ELEVATION:** 118 **MAP ID:** F14

NAME: E&S MOBILE SERVICES INC

Rev: 11/23/2021

ADDRESS: 166 COMMONWEALTH AVE
CONCORD, MA 01742

SOURCE: MA Department of Public Safety

AST:

Name: E&S MOBILE SERVICES INC
Address: 166 COMMONWEALTH AVE
City,State,Zip: CONCORD, MA 01742
Owner Name: E&S MOBILE SERVICES INC
Tank Type: UST
Class: STG1
Stage I Type: Dual Point
CARB # or System Type: Pre-EVR/EVR
Test Cycle: Annual
Date Form Mailed: 02/08/2019
Test Date: 10/16/2019
Postmark Date: 11/04/2019
Due Date: 06/27/2019
Form: FormC
Form Rcvd and Complete?: Complete
Facility ID: 135834
Tank ID: Not reported
Serial Number: Not reported
Tank Status: Not reported
Capacity: Not reported
Contents: Not reported
Tank Use: Not reported
Tank Material: Not reported
Tank Construction: Not reported
Tank Leak Detection: Not reported
Pipe Material: Not reported
Pipe Construction: Not reported
Pipe Leak Detection: Not reported
Aboveground: Not reported

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

AST

EDR ID: 1000155125 DIST/DIR: 0.208 SW ELEVATION: 118 MAP ID: F15

NAME: Rev: 11/23/2021
ADDRESS: ID/Status: 9417
, MA

SOURCE: MA Department of Public Safety

AST:

Name: Not reported
Address: Not reported
City,State,Zip: MA
Owner Name: Not reported
Tank Type: Not reported
Class: Not reported
Stage I Type: Not reported
CARB # or System Type: Not reported
Test Cycle: Not reported
Date Form Mailed: Not reported
Test Date: Not reported
Postmark Date: Not reported
Due Date: Not reported
Form: Not reported
Form Rcvd and Complete?: Not reported
Facility ID: 9417
Tank ID: 9
Serial Number: Not reported
Tank Status: In Use
Capacity: 330
Contents: Waste Oil
Tank Use: Not reported
Tank Material: Steel
Tank Construction: 1 Wall
Tank Leak Detection: Not reported
Pipe Material: Other
Pipe Construction: 1 Wall
Pipe Leak Detection: Not reported
Aboveground: Y

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

UST

EDR ID: 1000155125 DIST/DIR: 0.208 SW ELEVATION: 118 MAP ID: F15

NAME: ADDRESS: , MA
Rev: 01/07/2021
ID/Status: 9417
ID/Status: Tank Removed
ID/Status: Tank Temporarily Out

SOURCE: MA Department of Fire Services, Office of the Public Safety

UST:

Facility:
Name: E&S MOBIL SERVICES INC
Address: 166 COMMONWEALTH AVE
City,State,Zip: CONCORD, MA 01742
Facility ID: 9417
Owner Id: 78918
Owner: E&S MOBIL SERVICES INC
Owner Address: 166 COMMONWEALTH AVE
Owner City,St,Zip: CONCORD, MA 01742
Telephone: 9783692996
Description: Retail Motor Vehicle Fuel
Facility address 2: Not reported
Owner address 2: Not reported
Latitude: 42.45849
Longitude: -71.39703
Contact name: Howard Soberg
Contact address1: 166 Commonwealth Ave.
Contact address2: Not reported
Contact city: Concord
Contact state: MA
Contact zip: 01742
Contact email: joe.soberg@comcast.net
Update: 2016-08-15 00:00:00
Update by: Howard Soberg
Fac status: OPEN

Tank ID: 1
Tank Status: Tank Removed
Status Date: 10/01/1988
Date Installed: 04/09/1968
Capacity: 6000.00000
Contents: Gasoline
Tank Usage: Marina
Tank Leak Detection: Not reported
Pipe Leak Detection: Not reported
Latitude: Not reported
Longitude: Not reported
Tank construct: Not reported
Pipe construct: Not reported
Ptype: Not reported
Number of compartment: Not reported
Pipe install date: Not reported

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

UST

EDR ID: 1000155125 DIST/DIR: 0.208 SW ELEVATION: 118 MAP ID: F15

NAME: ADDRESS: , MA
Rev: 01/07/2021
ID/Status: 9417
ID/Status: Tank Removed
ID/Status: Tank Temporarily Out

SOURCE: MA Department of Fire Services, Office of the Public Safety

Pipe leak install date: Not reported
Submersible sump: N
Submersible sump install date: Not reported
Turbine sump: N
Turbine sump sensor: N
Intermediate sump: N
Intermediate sump sensor: N
Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Not reported
Automatic line leak detect: Not reported
Tank corrosion type: Not reported
Leak corrosion type: Not reported

Tank ID: 2
Tank Status: Tank Removed
Status Date: 10/01/1988
Date Installed: 04/09/1968
Capacity: 6000.00000
Contents: Gasoline
Tank Usage: Marina
Tank Leak Detection: Not reported
Pipe Leak Detection: Not reported
Latitude: Not reported
Longitude: Not reported
Tank construct: Not reported
Pipe construct: Not reported
Ptype: Not reported
Number of compartment: Not reported
Pipe install date: Not reported
Pipe leak install date: Not reported
Submersible sump: N
Submersible sump install date: Not reported
Turbine sump: N
Turbine sump sensor: N
Intermediate sump: N
Intermediate sump sensor: N
Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Not reported
Automatic line leak detect: Not reported
Tank corrosion type: Not reported

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

UST

EDR ID: 1000155125 **DIST/DIR:** 0.208 SW **ELEVATION:** 118 **MAP ID:** F15

NAME: **Rev:** 01/07/2021
ADDRESS: ID/Status: 9417
ID/Status: Tank Removed
, MA ID/Status: Tank Temporarily Out

SOURCE: MA Department of Fire Services, Office of the Public Safety

Leak corrosion type: Not reported

Tank ID: 3
Tank Status: Tank Removed
Status Date: 10/01/1988
Date Installed: 04/09/1968
Capacity: 5000.00000
Contents: Gasoline
Tank Usage: Marina
Tank Leak Detection: Not reported
Pipe Leak Detection: Not reported
Latitude: Not reported
Longitude: Not reported
Tank construct: Not reported
Pipe construct: Not reported
Ptype: Not reported
Number of compartment: Not reported
Pipe install date: Not reported
Pipe leak install date: Not reported
Submersible sump: N
Submersible sump install date: Not reported
Turbine sump: N
Turbine sump sensor: N
Intermediate sump: N
Intermediate sump sensor: N
Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Not reported
Automatic line leak detect: Not reported
Tank corrosion type: Not reported
Leak corrosion type: Not reported

Tank ID: 4
Tank Status: Tank Removed
Status Date: 10/01/1988
Date Installed: 04/09/1968
Capacity: 500.00000
Contents: Waste Oil
Tank Usage: Marina
Tank Leak Detection: Not reported
Pipe Leak Detection: Not reported
Latitude: Not reported

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

UST

EDR ID: 1000155125 DIST/DIR: 0.208 SW ELEVATION: 118 MAP ID: F15

NAME: Rev: 01/07/2021
ADDRESS: ID/Status: 9417
, MA ID/Status: Tank Removed
ID/Status: Tank Temporarily Out

SOURCE: MA Department of Fire Services, Office of the Public Safety

Longitude: Not reported
Tank construct: Not reported
Pipe construct: Not reported
Ptype: Not reported
Number of compartment: Not reported
Pipe install date: Not reported
Pipe leak install date: Not reported
Submersible sump: N
Submersible sump install date: Not reported
Turbine sump: N
Turbine sump sensor: N
Intermediate sump: N
Intermediate sump sensor: N
Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Not reported
Automatic line leak detect: Not reported
Tank corrosion type: Not reported
Leak corrosion type: Not reported

Tank ID: 5
Tank Status: Tank Temporarily Out
Status Date: 02/18/2020
Date Installed: 09/27/1988
Capacity: 4000.00000
Contents: Gasoline
Tank Usage: Motor Vehi
Tank Leak Detection: Continuous Interstitial Monitoring
Pipe Leak Detection: Annual Tightness Test of Single-Walled Pressurized Piping Systems
Latitude: 42.45825
Longitude: -71.39703
Tank construct: Double-walled non-corrodible (including "composite") material (cathodic protection not required)
Pipe construct: Single-walled non-corrodible material (No corrosion protection required)
Ptype: Pressurized piping system with mechanical automatic line leak detection
Number of compartment: Not reported
Pipe install date: 09/27/1988
Pipe leak install date: Not reported
Submersible sump: Y
Submersible sump install date: Not reported
Turbine sump: N
Turbine sump sensor: N
Intermediate sump: N
Intermediate sump sensor: N

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

UST

EDR ID: 1000155125 **DIST/DIR:** 0.208 SW **ELEVATION:** 118 **MAP ID:** F15

NAME: **Rev:** 01/07/2021
ADDRESS: ID/Status: 9417
 ID/Status: Tank Removed
 ID/Status: Tank Temporarily Out
 , MA

SOURCE: MA Department of Fire Services, Office of the Public Safety

Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Ball Float
Automatic line leak detect: Not reported
Tank corrosion type: Not reported
Leak corrosion type: Not reported

Tank ID: 6
Tank Status: Tank Temporarily Out
Status Date: 02/18/2020
Date Installed: 09/27/1988
Capacity: 6000.00000
Contents: Gasoline
Tank Usage: Motor Vehi
Tank Leak Detection: Continuous Interstitial Monitoring
Pipe Leak Detection: Annual Tightness Test of Single-Walled Pressurized Piping Systems
Latitude: 42.45832
Longitude: -71.39706
Tank construct: Double-walled non-corrodible (including "composite") material (cathodic protection not required)
Pipe construct: Single-walled non-corrodible material (No corrosion protection required)
Ptype: Pressurized piping system with mechanical automatic line leak detection
Number of compartment: Not reported
Pipe install date: 09/27/1988
Pipe leak install date: Not reported
Submersible sump: Y
Submersible sump install date: Not reported
Turbine sump: N
Turbine sump sensor: N
Intermediate sump: N
Intermediate sump sensor: N
Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Ball Float
Automatic line leak detect: Not reported
Tank corrosion type: Not reported
Leak corrosion type: Not reported

Tank ID: 7
Tank Status: Tank Temporarily Out
Status Date: 02/18/2020
Date Installed: 09/27/1988

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

UST

EDR ID: 1000155125 DIST/DIR: 0.208 SW ELEVATION: 118 MAP ID: F15

NAME: ADDRESS: , MA
Rev: 01/07/2021
ID/Status: 9417
ID/Status: Tank Removed
ID/Status: Tank Temporarily Out

SOURCE: MA Department of Fire Services, Office of the Public Safety

Capacity: 6000.00000
Contents: Gasoline
Tank Usage: Motor Vehi
Tank Leak Detection: Continuous Interstitial Monitoring
Pipe Leak Detection: Annual Tightness Test of Single-Walled Pressurized Piping Systems
Latitude: 42.45829
Longitude: -71.39705
Tank construct: Double-walled non-corrodible (including "composite") material (cathodic protection not required)
Pipe construct: Single-walled non-corrodible material (No corrosion protection required)
Ptype: Pressurized piping system with mechanical automatic line leak detection
Number of compartment: Not reported
Pipe install date: 09/27/1988
Pipe leak install date: Not reported
Submersible sump: Y
Submersible sump install date: Not reported
Turbine sump: N
Turbine sump sensor: N
Intermediate sump: N
Intermediate sump sensor: N
Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Ball Float
Automatic line leak detect: Not reported
Tank corrosion type: Not reported
Leak corrosion type: Not reported

Tank ID: 8
Tank Status: Tank Temporarily Out
Status Date: 02/18/2020
Date Installed: 09/27/1988
Capacity: 6000.00000
Contents: Diesel
Tank Usage: Motor Vehi
Tank Leak Detection: Continuous Interstitial Monitoring
Pipe Leak Detection: Annual Tightness Test of Single-Walled Pressurized Piping Systems
Latitude: 42.45835
Longitude: -71.39707
Tank construct: Double-walled non-corrodible (including "composite") material (cathodic protection not required)
Pipe construct: Single-walled non-corrodible material (No corrosion protection required)
Ptype: Pressurized piping system with mechanical automatic line leak detection
Number of compartment: Not reported
Pipe install date: 09/27/1988
Pipe leak install date: Not reported

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

UST

EDR ID: 1000155125 **DIST/DIR:** 0.208 SW **ELEVATION:** 118 **MAP ID:** F15

NAME: **Rev:** 01/07/2021
ADDRESS: ID/Status: 9417
 ID/Status: Tank Removed
 ID/Status: Tank Temporarily Out
 , MA

SOURCE: MA Department of Fire Services, Office of the Public Safety

Submersible sump: Y
Submersible sump install date: Not reported
Turbine sump: N
Turbine sump sensor: N
Intermediate sump: N
Intermediate sump sensor: N
Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Ball Float
Automatic line leak detect: Not reported
Tank corrosion type: Not reported
Leak corrosion type: Not reported

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA-VSQG

EDR ID: 1025884557 **DIST/DIR:** 0.217 South **ELEVATION:** 126 **MAP ID:** 16

NAME: JH KLEIN WASSINK & COMPANY INC

Rev: 12/14/2020

ADDRESS: 30 BEHARREL ST

ID/Status: MAC300107091

CONCORD, MA 01742

MIDDLESEX

SOURCE: US Environmental Protection Agency

RCRA-VSQG:

Date Form Received by Agency: 2018-01-02 00:00:00.0

Handler Name: JH KLEIN WASSINK & COMPANY INC

Handler Address: 30 BEHARREL ST

Handler City,State,Zip: CONCORD, MA 01742

EPA ID: MAC300107091

Contact Name: NED KARJANEN

Contact Address: BEHARREL ST

Contact City,State,Zip: CONCORD, MA 01742

Contact Telephone: 978-369-3471

Contact Fax: Not reported

Contact Email: NKARJANEN@HOTMAIL.COM

Contact Title: Not reported

EPA Region: 01

Land Type: Private

Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator

Non-Notifier: Not reported

Biennial Report Cycle: Not reported

Accessibility: Not reported

Active Site Indicator: Handler Activities

State District Owner: MA

State District: NE

Mailing Address: BEHARREL ST

Mailing City,State,Zip: CONCORD, MA 01742

Owner Name: 30 BEHARRELL ST LLC

Owner Type: Private

Operator Name: JH KLEIN WASSINK & COMPANY INC

Operator Type: Private

Short-Term Generator Activity: No

Importer Activity: No

Mixed Waste Generator: No

Transporter Activity: No

Transfer Facility Activity: No

Recycler Activity with Storage: No

Small Quantity On-Site Burner Exemption: No

Smelting Melting and Refining Furnace Exemption: No

Underground Injection Control: No

Off-Site Waste Receipt: No

Universal Waste Indicator: No

Universal Waste Destination Facility: No

Federal Universal Waste: No

Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported

Active Site Converter Treatment storage and Disposal Facility: Not reported

Active Site State-Reg Treatment Storage and Disposal Facility: Not reported

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA-VSQG

EDR ID: 1025884557 **DIST/DIR:** 0.217 South **ELEVATION:** 126 **MAP ID:** 16

NAME: JH KLEIN WASSINK & COMPANY INC

Rev: 12/14/2020

ADDRESS: 30 BEHARREL ST
CONCORD, MA 01742
MIDDLESEX

ID/Status: MAC300107091

SOURCE: US Environmental Protection Agency

Active Site State-Reg Handler: ---
Federal Facility Indicator: Not reported
Hazardous Secondary Material Indicator: N
Sub-Part K Indicator: Not reported
Commercial TSD Indicator: No
Treatment Storage and Disposal Type: Not reported
2018 GPRA Permit Baseline: Not on the Baseline
2018 GPRA Renewals Baseline: Not on the Baseline
Permit Renewals Workload Universe: Not reported
Permit Workload Universe: Not reported
Permit Progress Universe: Not reported
Post-Closure Workload Universe: Not reported
Closure Workload Universe: Not reported
202 GPRA Corrective Action Baseline: No
Corrective Action Workload Universe: No
Subject to Corrective Action Universe: No
Non-TSDs Where RCRA CA has Been Imposed Universe: No
TSDs Potentially Subject to CA Under 3004 (u)/(v) Universe: No
TSDs Only Subject to CA under Discretionary Auth Universe: No
Corrective Action Priority Ranking: No NCAPS ranking
Environmental Control Indicator: No
Institutional Control Indicator: No
Human Exposure Controls Indicator: N/A
Groundwater Controls Indicator: N/A
Operating TSD Universe: Not reported
Full Enforcement Universe: Not reported
Significant Non-Complier Universe: No
Unaddressed Significant Non-Complier Universe: No
Addressed Significant Non-Complier Universe: No
Significant Non-Complier With a Compliance Schedule Universe: No
Financial Assurance Required: Not reported
Handler Date of Last Change: 2019-09-12 13:05:23.0
Recognized Trader-Importer: No
Recognized Trader-Exporter: No
Importer of Spent Lead Acid Batteries: No
Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: No
Manifest Broker: No
Sub-Part P Indicator: No

Hazardous Waste Summary:
Waste Code: D001
Waste Description: IGNITABLE WASTE

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA-VSQG

EDR ID: 1025884557 **DIST/DIR:** 0.217 South **ELEVATION:** 126 **MAP ID:** 16

NAME: JH KLEIN WASSINK & COMPANY INC

Rev: 12/14/2020

ADDRESS: 30 BEHARREL ST
CONCORD, MA 01742
MIDDLESEX

ID/Status: MAC300107091

SOURCE: US Environmental Protection Agency

Handler - Owner Operator:

Owner/Operator Indicator: Owner

Owner/Operator Name: 30 BEHARRELL ST LLC

Legal Status: Private

Date Became Current: 2005-09-01 00:00:00.

Date Ended Current: Not reported

Owner/Operator Address: 410 GREAT RD

Owner/Operator City,State,Zip: LITTLETON, MA 01460

Owner/Operator Telephone: Not reported

Owner/Operator Telephone Ext: Not reported

Owner/Operator Fax: Not reported

Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator

Owner/Operator Name: JH KLEIN WASSINK & COMPANY INC

Legal Status: Private

Date Became Current: 1996-09-27 00:00:00.

Date Ended Current: Not reported

Owner/Operator Address: 30 BEHARREL ST

Owner/Operator City,State,Zip: CONCORD, MA 01742

Owner/Operator Telephone: 978-369-3471

Owner/Operator Telephone Ext: Not reported

Owner/Operator Fax: Not reported

Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 2018-01-02 00:00:00.0

Handler Name: JH KLEIN WASSINK & COMPANY INC

Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator

State District Owner: MA

Large Quantity Handler of Universal Waste: No

Recognized Trader Importer: No

Recognized Trader Exporter: No

Spent Lead Acid Battery Importer: No

Spent Lead Acid Battery Exporter: No

Current Record: Yes

Non Storage Recycler Activity: No

Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:

NAICS Code: 238350

NAICS Description: FINISH CARPENTRY CONTRACTORS

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

RCRA-VSQG

EDR ID:	1025884557	DIST/DIR:	0.217 South	ELEVATION:	126	MAP ID:	16

NAME: JH KLEIN WASSINK & COMPANY INC

Rev: 12/14/2020

ADDRESS: 30 BEHARREL ST
CONCORD, MA 01742
MIDDLESEX

ID/Status: MAC300107091

SOURCE: US Environmental Protection Agency

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

UST

EDR ID: U002009141 **DIST/DIR:** 0.222 SSE **ELEVATION:** 130 **MAP ID:** 17

NAME: BOSTON GAS CO **Rev:** 01/07/2021
ADDRESS: 66 COMMONWEALTH AVE ID/Status: 9404
CONCORD, MA 01742 ID/Status: Tank Removed

SOURCE: MA Department of Fire Services, Office of the Public Safety

UST:

Facility:

Name: BOSTON GAS CO
Address: 66 COMMONWEALTH AVE
City,State,Zip: CONCORD, MA 01742
Facility ID: 9404
Owner Id: 808
Owner: BOSTON GAS COMPANY - KEYSpan
Owner Address: OFF VALLEY RD
Owner City,St,Zip: SPENCER, MA 01562
Telephone: Not reported
Description: Utilities
Facility address 2: Not reported
Owner address 2: Not reported
Latitude: 42.45768
Longitude: -71.39357
Contact name: Not reported
Contact address1: Not reported
Contact address2: Not reported
Contact city: Not reported
Contact state: Not reported
Contact zip: Not reported
Contact email: Not reported
Update: 2009-03-30 00:00:00
Update by: Not reported
Fac status: CLOSED

Name: BOSTON GAS CO
Address: 66 COMMONWEALTH AVE
City,State,Zip: CONCORD, MA 01742
Facility ID: 9404
Owner Id: 808
Owner: BOSTON GAS COMPANY - KEYSpan
Owner Address: OFF VALLEY RD
Owner City,St,Zip: SPENCER, MA 01562
Telephone: Not reported
Description: Utilities
Facility address 2: Not reported
Owner address 2: Not reported
Latitude: 42.45768
Longitude: -71.39357
Contact name: Not reported
Contact address1: Not reported
Contact address2: Not reported

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

UST

EDR ID: U002009141 **DIST/DIR:** 0.222 SSE **ELEVATION:** 130 **MAP ID:** 17

NAME: BOSTON GAS CO **Rev:** 01/07/2021
ADDRESS: 66 COMMONWEALTH AVE ID/Status: 9404
CONCORD, MA 01742 ID/Status: Tank Removed

SOURCE: MA Department of Fire Services, Office of the Public Safety

Contact city: Not reported
Contact state: Not reported
Contact zip: Not reported
Contact email: Not reported
Update: 2009-03-30 00:00:00
Update by: Not reported
Fac status: CLOSED

Tank ID: 1
Tank Status: Tank Removed
Status Date: 10/10/1988
Date Installed: 04/28/1952
Capacity: 3000.00000
Contents: Gasoline
Tank Usage: Not reported
Tank Leak Detection: Not reported
Pipe Leak Detection: Not reported
Latitude: Not reported
Longitude: Not reported
Tank construct: Not reported
Pipe construct: Not reported
Ptype: Not reported
Number of compartment: Not reported
Pipe install date: Not reported
Pipe leak install date: Not reported
Submersible sump: N
Submersible sump install date: Not reported
Turbine sump: N
Turbine sump sensor: N
Intermediate sump: N
Intermediate sump sensor: N
Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Not reported
Automatic line leak detect: Not reported
Tank corrosion type: Not reported
Leak corrosion type: Not reported

Tank ID: 2
Tank Status: Tank Removed
Status Date: 09/25/1996
Date Installed: 02/01/1987

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

UST

EDR ID: U002009141 **DIST/DIR:** 0.222 SSE **ELEVATION:** 130 **MAP ID:** 17

NAME: BOSTON GAS CO

Rev: 01/07/2021

ADDRESS: 66 COMMONWEALTH AVE
CONCORD, MA 01742

ID/Status: 9404

ID/Status: Tank Removed

SOURCE: MA Department of Fire Services, Office of the Public Safety

Capacity: 4000.00000

Contents: Gasoline

Tank Usage: Motor Vehi

Tank Leak Detection: In-Tank Monitoring System

Pipe Leak Detection: Quarterly visual inspection and annual product line tightness test

Latitude: Not reported

Longitude: Not reported

Tank construct: Double-walled non-corrodible (including "composite") material (cathodic protection not required)

Pipe construct: Not reported

Ptype: Not reported

Number of compartment: Not reported

Pipe install date: Not reported

Pipe leak install date: Not reported

Submersible sump: N

Submersible sump install date: Not reported

Turbine sump: N

Turbine sump sensor: N

Intermediate sump: N

Intermediate sump sensor: N

Spill bucket installed date: Not reported

Spill bucket sensor: N

Overfill protect install: Not reported

Overfill protect type: Not reported

Automatic line leak detect: Not reported

Tank corrosion type: Not reported

Leak corrosion type: Not reported

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

SHWS

EDR ID: S109489574 **DIST/DIR:** 0.237 SSW **ELEVATION:** 123 **MAP ID:** 18

NAME: NO LOCATION AID **Rev:** 01/11/2021
ADDRESS: 130 COMMONWEALTH AVE ID/Status: 3-0028284
CONCORD, MA 01742 ID/Status: RAO

SOURCE: MA Department of Environmental Protection

SHWS:

Name: NO LOCATION AID
Address: 130 COMMONWEALTH AVE
City,State,Zip: CONCORD, MA 01742-0000
Facility ID: 3-0028284
Source Type: LINE
Release Town: CONCORD
Notification Date: 01/23/2009
Category: TWO HR
Associated ID: Not reported
Current Status: RAO
Status Date: 03/23/2009
Phase: Not reported
Response Action Outcome: A1
Oil Or Haz Material: Not reported

Name: NO LOCATION AID
Address: 130 COMMONWEALTH AVE
City,State,Zip: CONCORD, MA 01742-0000
Facility ID: 3-0028284
Source Type: HYDRAULIC
Release Town: CONCORD
Notification Date: 01/23/2009
Category: TWO HR
Associated ID: Not reported
Current Status: RAO
Status Date: 03/23/2009
Phase: Not reported
Response Action Outcome: A1
Oil Or Haz Material: Not reported

Name: NO LOCATION AID
Address: 130 COMMONWEALTH AVE
City,State,Zip: CONCORD, MA 01742-0000
Facility ID: 3-0028284
Source Type: ON TRUCK
Release Town: CONCORD
Notification Date: 01/23/2009
Category: TWO HR
Associated ID: Not reported
Current Status: RAO
Status Date: 03/23/2009
Phase: Not reported
Response Action Outcome: A1

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

SHWS

EDR ID: S109489574 **DIST/DIR:** 0.237 SSW **ELEVATION:** 123 **MAP ID:** 18

NAME: NO LOCATION AID

Rev: 01/11/2021

ADDRESS: 130 COMMONWEALTH AVE
CONCORD, MA 01742

ID/Status: 3-0028284
ID/Status: RAO

SOURCE: MA Department of Environmental Protection

Oil Or Haz Material: Not reported

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

SHWS

EDR ID: S103546126 **DIST/DIR:** 0.255 SSW **ELEVATION:** 121 **MAP ID:** 19

NAME: CONCORD CHRYSLER PLYMOUTH

Rev: 01/11/2021

ADDRESS: 135 COMMONWEALTH AVE
CONCORD, MA 01742

ID/Status: 3-0017278
ID/Status: 3-0025694
ID/Status: 3-0025966
ID/Status: RAO

SOURCE: MA Department of Environmental Protection

SHWS:

Name: CONCORD CHRYSLER PLYMOUTH
Address: 135 COMMONWEALTH AVE
City,State,Zip: CONCORD, MA 01742-0000
Facility ID: 3-0017278
Source Type: PIPE
Release Town: CONCORD
Notification Date: 09/10/1998
Category: TWO HR
Associated ID: Not reported
Current Status: RAO
Status Date: 11/03/1998
Phase: Not reported
Response Action Outcome: A1
Oil Or Haz Material: Not reported

Name: CONCORD CHRYSLER JEEP
Address: 135 COMMONWEALTH AVE
City,State,Zip: CONCORD, MA 01742-0000
Facility ID: 3-0025694
Source Type: PIPE
Release Town: CONCORD
Notification Date: 02/28/2006
Category: TWO HR
Associated ID: Not reported
Current Status: RAO
Status Date: 03/06/2007
Phase: Not reported
Response Action Outcome: A2
Oil Or Haz Material: Oil

Name: CONCORD CHRYSLER JEEP
Address: 135 COMMONWEALTH AVE
City,State,Zip: CONCORD, MA 01742-0000
Facility ID: 3-0025966
Source Type: Not reported
Release Town: CONCORD
Notification Date: 06/07/2006
Category: 120 DY
Associated ID: Not reported
Current Status: RAO
Status Date: 03/06/2007
Phase: Not reported
Response Action Outcome: Not reported

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

SHWS

EDR ID: S103546126 **DIST/DIR:** 0.255 SSW **ELEVATION:** 121 **MAP ID:** 19

NAME: CONCORD CHRYSLER PLYMOUTH

Rev: 01/11/2021

ADDRESS: 135 COMMONWEALTH AVE
CONCORD, MA 01742

ID/Status: 3-0017278
ID/Status: 3-0025694
ID/Status: 3-0025966
ID/Status: RAO

SOURCE: MA Department of Environmental Protection

Oil Or Haz Material: Oil

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

SHWS

EDR ID: S103811742 **DIST/DIR:** 0.307 South **ELEVATION:** 136 **MAP ID:** G20

NAME: NO LOCATION AID

Rev: 01/11/2021

ADDRESS: 7-9 CHURCH ST
CONCORD, MA 01742

ID/Status: 3-0026204

ID/Status: 3-0014784

ID/Status: RAONR

ID/Status: DPS

SOURCE: MA Department of Environmental Protection

SHWS:

Name: NO LOCATION AID

Address: 7-9 CHURCH ST

City,State,Zip: CONCORD, MA 01742-0000

Facility ID: 3-0026204

Source Type: DRY CLEAN

Release Town: CONCORD

Notification Date: 09/05/2006

Category: TWO HR

Associated ID: Not reported

Current Status: RAONR

Status Date: 09/11/2007

Phase: Not reported

Response Action Outcome: Not reported

Oil Or Haz Material: Hazardous Material

Name: NO LOCATION AID

Address: 7-9 CHURCH ST

City,State,Zip: CONCORD, MA 01742-0000

Facility ID: 3-0014784

Source Type: Not reported

Release Town: CONCORD

Notification Date: 01/30/1997

Category: 120 DY

Associated ID: 3-0014784

Current Status: DPS

Status Date: 09/11/2007

Phase: PHASE II

Response Action Outcome: Not reported

Oil Or Haz Material: Hazardous Material

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

SHWS

EDR ID: 1004715751 **DIST/DIR:** 0.310 South **ELEVATION:** 137 **MAP ID:** G21

NAME: WEST VILLAGE CLEANERS INC

Rev: 01/11/2021

ADDRESS: 13 CHURCH ST
CONCORD, MA 01742
MIDDLESEX

ID/Status: 3-0026427
ID/Status: RAO

SOURCE: MA Department of Environmental Protection

SHWS:

Name: NO LOCATION AID

Address: 13 CHURCH ST

City,State,Zip: CONCORD, MA 01742-3001

Facility ID: 3-0026427

Source Type: UNKNOWN

Release Town: CONCORD

Notification Date: 12/06/2006

Category: TWO HR

Associated ID: Not reported

Current Status: RAO

Status Date: 12/14/2012

Phase: Not reported

Response Action Outcome: C2

Oil Or Haz Material: Hazardous Material

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LUST

EDR ID: U000226246 **DIST/DIR:** 0.346 SSE **ELEVATION:** 132 **MAP ID:** 22

NAME: COLONIAL MOTORS REPAIRS INC
ADDRESS: 1211 MAIN ST
CONCORD, MA 01742

Rev: 01/11/2021
ID/Status: 3-0034214 / PSNC

SOURCE: MA Department of Environmental Protection

LUST:

Facility:

Name: GASOLINE STATION
Address: 1211 MAIN STREET
City,State,Zip: CONCORD, MA 01742-0000
Current Status: PSNC
Release Tracking Number/Current Status: 3-0034214 / PSNC
Status Date: 10/29/2020
Source Type: UST
Release Town: CONCORD
Notification Date: 04/26/2017
Category: 72 HR
Associated ID: Not reported
Phase: PHASE II
Response Action Outcome: PN - PN
Oil Or Haz Material: Oil

Location Type: COMMERCIAL
Source: TANK
Source: UST
Source: USTOTHER

[Click here to access the MA DEP site for this facility:](#)

Chemicals:

Chemical: GASOLINE VOCS
Quantity: 116 parts per million
Chemical: C9 THRU C10 AROMATIC HYDROCARBONS
Quantity: 2040 milligrams per kilogram
Chemical: C9 THRU C12 ALIPHATIC HYDROCARBONS
Quantity: 4840 milligrams per kilogram
Chemical: C5 THRU C8 ALIPHATIC HYDROCARBONS
Quantity: 459 milligrams per kilogram

Actions:

Action Type: Response Action Outcome - RAO
Action Status: PSNRCD
Action Date: 10/29/2020
Response Action Outcome: PN

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LUST

EDR ID: U000226246 **DIST/DIR:** 0.346 SSE **ELEVATION:** 132 **MAP ID:** 22

NAME: COLONIAL MOTORS REPAIRS INC
ADDRESS: 1211 MAIN ST
CONCORD, MA 01742

Rev: 01/11/2021
ID/Status: 3-0034214 / PSNC

SOURCE: MA Department of Environmental Protection

Action Date: 10/5/2017
Response Action Outcome: PN

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 12/12/2019
Response Action Outcome: PN

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 2/15/2018
Response Action Outcome: PN

Action Type: BOL
Action Status: SHPFAC
Action Date: 2/20/2018
Response Action Outcome: PN

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 2/22/2018
Response Action Outcome: PN

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 2/23/2018
Response Action Outcome: PN

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 2/8/2018
Response Action Outcome: PN

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 4/25/2018
Response Action Outcome: PN

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 4/25/2018
Response Action Outcome: PN

Action Type: Immediate Response Action
Action Status: Completion Statement Received

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LUST

EDR ID: U000226246 **DIST/DIR:** 0.346 SSE **ELEVATION:** 132 **MAP ID:** 22

NAME: COLONIAL MOTORS REPAIRS INC
ADDRESS: 1211 MAIN ST
CONCORD, MA 01742

Rev: 01/11/2021
ID/Status: 3-0034214 / PSNC

SOURCE: MA Department of Environmental Protection

Action Date: 4/25/2018
Response Action Outcome: PN

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 4/25/2018
Response Action Outcome: PN

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 4/26/2017
Response Action Outcome: PN

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 4/26/2017
Response Action Outcome: PN

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 4/26/2017
Response Action Outcome: PN

Action Type: Phase 2
Action Status: Scope of Work Received
Action Date: 5/18/2020
Response Action Outcome: PN

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 5/7/2018
Response Action Outcome: PN

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 6/1/2017
Response Action Outcome: PN

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 9/5/2017
Response Action Outcome: PN

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LUST

EDR ID: U000226246 **DIST/DIR:** 0.346 SSE **ELEVATION:** 132 **MAP ID:** 22

NAME: COLONIAL MOTORS REPAIRS INC
ADDRESS: 1211 MAIN ST
CONCORD, MA 01742

Rev: 01/11/2021
ID/Status: 3-0034214 / PSNC

SOURCE: MA Department of Environmental Protection

Action Date: 9/5/2017
Response Action Outcome: PN

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 9/6/2017
Response Action Outcome: PN

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 9/7/2017
Response Action Outcome: PN

Facility:
Name: GASOLINE STATION
Address: 1211 MAIN STREET
City,State,Zip: CONCORD, MA 01742-0000
Current Status: PSNC
Release Tracking Number/Current Status: 3-0034214 / PSNC
Status Date: 10/29/2020
Source Type: USTOTHER
Release Town: CONCORD
Notification Date: 04/26/2017
Category: 72 HR
Associated ID: Not reported
Phase: PHASE II
Response Action Outcome: PN - PN
Oil Or Haz Material: Oil

Location Type: COMMERCIAL
Source: TANK
Source: UST
Source: USTOTHER

[Click here to access the MA DEP site for this facility:](#)

Chemicals:
Chemical: GASOLINE VOCS
Quantity: 116 parts per million
Chemical: C9 THRU C10 AROMATIC HYDROCARBONS
Quantity: 2040 milligrams per kilogram

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LUST

EDR ID: U000226246 **DIST/DIR:** 0.346 SSE **ELEVATION:** 132 **MAP ID:** 22

NAME: COLONIAL MOTORS REPAIRS INC

Rev: 01/11/2021

ADDRESS: 1211 MAIN ST

ID/Status: 3-0034214 / PSNC

CONCORD, MA 01742

SOURCE: MA Department of Environmental Protection

Chemical: C9 THRU C12 ALIPHATIC HYDROCARBONS

Quantity: 4840 milligrams per kilogram

Chemical: C5 THRU C8 ALIPHATIC HYDROCARBONS

Quantity: 459 milligrams per kilogram

Actions:

Action Type: Response Action Outcome - RAO

Action Status: PSNRCD

Action Date: 10/29/2020

Response Action Outcome: PN

Action Type: BOL

Action Status: Transmittal, Notice, or Notification Received

Action Date: 10/5/2017

Response Action Outcome: PN

Action Type: Immediate Response Action

Action Status: Level I - Technical Screen Audit

Action Date: 12/12/2019

Response Action Outcome: PN

Action Type: Immediate Response Action

Action Status: Status or Interim Report Received

Action Date: 2/15/2018

Response Action Outcome: PN

Action Type: BOL

Action Status: SHPFAC

Action Date: 2/20/2018

Response Action Outcome: PN

Action Type: Immediate Response Action

Action Status: Status or Interim Report Received

Action Date: 2/22/2018

Response Action Outcome: PN

Action Type: Immediate Response Action

Action Status: Level I - Technical Screen Audit

Action Date: 2/23/2018

Response Action Outcome: PN

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: ALSENT

Action Date: 2/8/2018

Response Action Outcome: PN

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LUST

EDR ID: U000226246 **DIST/DIR:** 0.346 SSE **ELEVATION:** 132 **MAP ID:** 22

NAME: COLONIAL MOTORS REPAIRS INC
ADDRESS: 1211 MAIN ST
CONCORD, MA 01742

Rev: 01/11/2021
ID/Status: 3-0034214 / PSNC

SOURCE: MA Department of Environmental Protection

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 4/25/2018
Response Action Outcome: PN

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 4/25/2018
Response Action Outcome: PN

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 4/25/2018
Response Action Outcome: PN

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 4/25/2018
Response Action Outcome: PN

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 4/26/2017
Response Action Outcome: PN

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 4/26/2017
Response Action Outcome: PN

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 4/26/2017
Response Action Outcome: PN

Action Type: Phase 2
Action Status: Scope of Work Received
Action Date: 5/18/2020
Response Action Outcome: PN

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 5/7/2018
Response Action Outcome: PN

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LUST

EDR ID: U000226246 **DIST/DIR:** 0.346 SSE **ELEVATION:** 132 **MAP ID:** 22

NAME: COLONIAL MOTORS REPAIRS INC
ADDRESS: 1211 MAIN ST
CONCORD, MA 01742

Rev: 01/11/2021
ID/Status: 3-0034214 / PSNC

SOURCE: MA Department of Environmental Protection

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 6/1/2017
Response Action Outcome: PN

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 9/5/2017
Response Action Outcome: PN

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 9/5/2017
Response Action Outcome: PN

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 9/6/2017
Response Action Outcome: PN

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 9/7/2017
Response Action Outcome: PN

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

SHWS

EDR ID: U000226246 **DIST/DIR:** 0.346 SSE **ELEVATION:** 132 **MAP ID:** 22

NAME: COLONIAL MOTORS REPAIRS INC

Rev: 01/11/2021

ADDRESS: 1211 MAIN ST
CONCORD, MA 01742

ID/Status: 3-0034214
ID/Status: PSNC

SOURCE: MA Department of Environmental Protection

SHWS:

Name: GASOLINE STATION

Address: 1211 MAIN STREET

City,State,Zip: CONCORD, MA 01742-0000

Facility ID: 3-0034214

Source Type: TANK

Release Town: CONCORD

Notification Date: 04/26/2017

Category: 72 HR

Associated ID: Not reported

Current Status: PSNC

Status Date: 10/29/2020

Phase: PHASE II

Response Action Outcome: PN

Oil Or Haz Material: Oil

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

SHWS

EDR ID: S106030337 **DIST/DIR:** 0.350 SSE **ELEVATION:** 127 **MAP ID:** 23

NAME: NO LOCATION AID **Rev:** 01/11/2021
ADDRESS: 1201 MAIN ST ID/Status: 3-0023224
CONCORD, MA 01742 ID/Status: RAO

SOURCE: MA Department of Environmental Protection

SHWS:

Name: NO LOCATION AID
Address: 1201 MAIN ST
City,State,Zip: CONCORD, MA 01742-0000
Facility ID: 3-0023224
Source Type: Not reported
Release Town: CONCORD
Notification Date: 09/17/2003
Category: 120 DY
Associated ID: Not reported
Current Status: RAO
Status Date: 09/23/2004
Phase: Not reported
Response Action Outcome: A2
Oil Or Haz Material: Oil and Hazardous Material

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

SHWS

EDR ID: S105199446 **DIST/DIR:** 0.374 SSE **ELEVATION:** 130 **MAP ID:** 24

NAME: A BODY SHOP **Rev:** 01/11/2021
ADDRESS: WEST GATE PARK ID/Status: 3-0001905
CONCORD, MA 01742 ID/Status: PENNFA

SOURCE: MA Department of Environmental Protection

SHWS:

Name: A BODY SHOP
Address: WEST GATE PARK
City,State,Zip: CONCORD, MA 01742
Facility ID: 3-0001905
Source Type: Not reported
Release Town: CONCORD
Notification Date: 01/15/1989
Category: NONE
Associated ID: Not reported
Current Status: PENNFA
Status Date: 10/06/1993
Phase: Not reported
Response Action Outcome: Not reported
Oil Or Haz Material: Not reported

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

SHWS

EDR ID: S100040895 **DIST/DIR:** 0.383 SSE **ELEVATION:** 117 **MAP ID:** 25

NAME: PATRIOT AMBULANCE
ADDRESS: 1173 MAIN ST
CONCORD, MA 01742

Rev: 01/11/2021
ID/Status: 3-0000130
ID/Status: RAO

SOURCE: MA Department of Environmental Protection

SHWS:

Name: PATRIOT AMBULANCE
Address: 1173 MAIN ST
City,State,Zip: CONCORD, MA 01742
Facility ID: 3-0000130
Source Type: Not reported
Release Town: CONCORD
Notification Date: 01/15/1987
Category: NONE
Associated ID: Not reported
Current Status: RAO
Status Date: 08/04/1997
Phase: PHASE II
Response Action Outcome: A2
Oil Or Haz Material: Not reported

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

SHWS

EDR ID: S102967328 **DIST/DIR:** 0.388 SE **ELEVATION:** 120 **MAP ID:** 26

NAME: NO LOCATION AID

Rev: 01/11/2021

ADDRESS: 1150 MAIN ST
CONCORD, MA 01742

ID/Status: 3-0015553
ID/Status: DPS

SOURCE: MA Department of Environmental Protection

SHWS:

Name: NO LOCATION AID

Address: 1150 MAIN ST

City,State,Zip: CONCORD, MA 01742-0000

Facility ID: 3-0015553

Source Type: Not reported

Release Town: CONCORD

Notification Date: 10/31/1997

Category: 120 DY

Associated ID: Not reported

Current Status: DPS

Status Date: 10/31/1997

Phase: Not reported

Response Action Outcome: Not reported

Oil Or Haz Material: Oil

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LUST

EDR ID: S102687431 **DIST/DIR:** 0.392 North **ELEVATION:** 136 **MAP ID:** 27

NAME: MCI CONCORD

Rev: 01/11/2021

ADDRESS: 965 ELM ST

ID/Status: 3-0015490 / RAO

CONCORD, MA 01742

THIRD MIDDLESEX

SOURCE: MA Department of Environmental Protection

LUST:

Facility:

Name: MCI CONCORD

Address: 965 ELM ST

City,State,Zip: CONCORD, MA 01742-0000

Current Status: Response Action Outcome

Release Tracking Number/Current Status: 3-0015490 / RAO

Status Date: 02/27/1998

Source Type: UST

Release Town: CONCORD

Notification Date: 09/02/1997

Category: 72 HR

Associated ID: Not reported

Phase: Not reported

Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not been reduced to background.

Oil Or Haz Material: Oil and Hazardous Material

Location Type: STATE

Source: UST

[Click here to access the MA DEP site for this facility:](#)

Chemicals:

Chemical: KEROSENE

Quantity: 149 parts per million

Chemical: GASOLINE

Quantity: 343 parts per million

Actions:

Action Type: RNF

Action Status: Reportable Release under MGL 21E

Action Date: 11/3/1997

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action

Action Status: Written Plan Received

Action Date: 11/3/1997

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LUST

EDR ID: S102687431 **DIST/DIR:** 0.392 North **ELEVATION:** 136 **MAP ID:** 27

NAME: MCI CONCORD

Rev: 01/11/2021

ADDRESS: 965 ELM ST

ID/Status: 3-0015490 / RAO

CONCORD, MA 01742

THIRD MIDDLESEX

SOURCE: MA Department of Environmental Protection

Action Type: Response Action Outcome - RAO

Action Status: RAO Statement Received

Action Date: 2/27/1998

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action

Action Status: Completion Statement Received

Action Date: 2/27/1998

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO

Action Status: Revised Statement or Transmittal Received

Action Date: 6/23/2000

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 9/19/1997

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action

Action Status: Oral Approval of Plan or Action

Action Date: 9/2/1997

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 9/2/1997

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

SWF/LF

EDR ID: S102687431 **DIST/DIR:** 0.392 North **ELEVATION:** 136 **MAP ID:** 27

NAME: MCI CONCORD **Rev:** 01/14/2020
ADDRESS: 965 ELM ST ID/Status: Inactive
CONCORD, MA 01742
THIRD MIDDLESEX
SOURCE: MA Department of Environmental Protection

LF:
Name: MCI CONCORD DEMO DUMP
Address: 965 ELM ST
City,State,Zip: CONCORD, MA 01742
Facility Phone: (978)369-3220
Annual Tons for 1995: Not reported
Annual Tons for 1996: Not reported
Annual Tons for 1997: Not reported
Annual Tons for 1998: Not reported
Annual Tons for 1999: Not reported
Annual Tons for 2000: Not reported
Annual Tons for 2001: Not reported
Annual Tons for 2002: Not reported
Annual Tons for 2003: Not reported
Annual Tons for 2004: Not reported
Annual Tons for 2005: Not reported
Annual Tons for 2006: Not reported
Annual Tons for 2007: Not reported
Annual Tons for 2008: Not reported
Annual Tons for 2009: Not reported
Annual Tons for 2010: Not reported
Annual Tons for 2011: Not reported
Annual Tons for 2012: Not reported
Annual Tons for 2013: Not reported
Annual Tons for 2014: Not reported
Annual Tons for 2015: Not reported
Reg Obj Acct ID Num For Each Solid Waste Operation: 317632
Days of Operation: Not reported
Note On The Physical Location Of The Site: Not reported
Acres: Not reported
Active Year: 1987
Classification Group: Land Disposal
Current Or Most Recent Closed Classification: CSU-LF
Description Of The Last Classification: Landfill Closure Status Unknown
Close Year: Not reported
Name Of The Organization: MA DEPT OF CORRECTIONS
Contacts Organization Type: State
Contact Persons Name And Title: Not reported
Contact Phone Including Extension: Not reported
Contact Mailing Street Address: Not reported
Contacts Mailing City, State, Zip: Not reported
Inactive Year: 1988
Land Disposal Closure Status: Incomplete
Land Disposal Only, Category Waste Disposed: C&D WASTE

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

SWF/LF

EDR ID: S102687431 **DIST/DIR:** 0.392 North **ELEVATION:** 136 **MAP ID:** 27

NAME: MCI CONCORD

Rev: 01/14/2020

ADDRESS: 965 ELM ST
CONCORD, MA 01742
THIRD MIDDLESEX

ID/Status: Inactive

SOURCE: MA Department of Environmental Protection

Landfills Liner: Not Lined

Municipality That The Operation Is Located In: CONCORD

Alpha-Numeric Identification Code: DL0067.003

Numeric-Only Portion Of The Identification Code: 0067.003

Region: Northeast (Wilmington)

Org That Pays Any Annual Compliance Fee And/Or Permittee: MA DEPT OF CORRECTIONS

Responsible Party Organization Type: State

Responsible Party Mailing Street Address Line 1: 50 MAPLE ST

Responsible Party Mailing Street Address Line 2: DIVISION RESOURCE MANAGEMENT

Responsible Party Mailing City, State, Zip: MILFORD, MA 01757

Responsible Party Telephone Inc Extension: Not reported

Maximum Permitted Tons Per Day: Not reported

Current Operational Status: Inactive

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

SHWS

EDR ID: S101047810 **DIST/DIR:** 0.412 NE **ELEVATION:** 123 **MAP ID:** 28

NAME: FMR GAS STATION **Rev:** 01/11/2021
ADDRESS: 794 ELM ST ID/Status: 3-0010537
CONCORD, MA 01742 ID/Status: RAO
MIDDLESEX
SOURCE: MA Department of Environmental Protection

SHWS:
Name: FMR GASOLINE STATION
Address: 794 ELM ST
City,State,Zip: CONCORD, MA 01742
Facility ID: 3-0010537
Source Type: UNKNOWN
Release Town: CONCORD
Notification Date: 10/01/1993
Category: 72 HR
Associated ID: Not reported
Current Status: RAO
Status Date: 08/10/1995
Phase: Not reported
Response Action Outcome: A1
Oil Or Haz Material: Oil

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LAST

EDR ID: S108640609 **DIST/DIR:** 0.426 SE **ELEVATION:** 125 **MAP ID:** 29

NAME: DEE BUS SERVICES OFFICE

Rev: 01/11/2021

ADDRESS: 1135 MAIN ST

ID/Status: 3-0026832 / RAO

CONCORD, MA 01742

SOURCE: MA Department of Environmental Protection

LAST:

Name: DEE BUS SERVICES OFFICE

Address: 1135 MAIN ST

City,State,Zip: CONCORD, MA 01742-0000

Release Tracking Number/Current Status: 3-0026832 / RAO

Source Type: AST

Release Town: CONCORD

Notification Date: 05/16/2007

Category: TWO HR

Associated ID: Not reported

Status Date: 05/27/2008

Phase: Not reported

Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not been reduced to background.

Oil Or Haz Material: Oil

Chemicals:

Chemical: AUTOMOTIVE FLUIDS

Quantity: Not reported

Chemical: WASTE OIL

Quantity: 225 gallons

Location Type: COMMERCIAL

Source: AST

Source: BUSREPAIR

Source: VEHICLE

Source: GARAGE

Actions:

Action Type: RLFA

Action Status: FOLOFF

Action Date: 11/29/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA

Action Status: FOLOFF

Action Date: 11/30/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA

Action Status: FOLOFF

Action Date: 12/18/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LAST

EDR ID: S108640609 **DIST/DIR:** 0.426 SE **ELEVATION:** 125 **MAP ID:** 29

NAME: DEE BUS SERVICES OFFICE
ADDRESS: 1135 MAIN ST
CONCORD, MA 01742

Rev: 01/11/2021
ID/Status: 3-0026832 / RAO

SOURCE: MA Department of Environmental Protection

Action Type: RLFA
Action Status: FOLOFF
Action Date: 12/5/2007
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 3/17/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 5/16/2007
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDD1A
Action Date: 5/16/2007
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 5/16/2007
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: FLDISS
Action Date: 5/16/2007
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDRUN
Action Date: 5/17/2007
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDRUN
Action Date: 5/25/2007

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LAST

EDR ID: S108640609 **DIST/DIR:** 0.426 SE **ELEVATION:** 125 **MAP ID:** 29

NAME: DEE BUS SERVICES OFFICE
ADDRESS: 1135 MAIN ST
CONCORD, MA 01742

Rev: 01/11/2021
ID/Status: 3-0026832 / RAO

SOURCE: MA Department of Environmental Protection

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: Fee Received - FMCRA Use Only
Action Date: 5/27/2008

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 5/27/2008

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 5/27/2008

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 6/14/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit
Action Date: 6/18/2008

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 7/16/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 7/20/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LAST

EDR ID: S108640609 **DIST/DIR:** 0.426 SE **ELEVATION:** 125 **MAP ID:** 29

NAME: DEE BUS SERVICES OFFICE

Rev: 01/11/2021

ADDRESS: 1135 MAIN ST

ID/Status: 3-0026832 / RAO

CONCORD, MA 01742

SOURCE: MA Department of Environmental Protection

Action Type: RLFA

Action Status: FOLOFF

Action Date: 9/13/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action

Action Status: Status or Interim Report Received

Action Date: 9/28/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

SHWS

EDR ID: S108640609 **DIST/DIR:** 0.426 SE **ELEVATION:** 125 **MAP ID:** 29

NAME: DEE BUS SERVICES OFFICE
ADDRESS: 1135 MAIN ST
CONCORD, MA 01742

Rev: 01/11/2021
ID/Status: 3-0026832
ID/Status: RAO

SOURCE: MA Department of Environmental Protection

SHWS:

Name: DEE BUS SERVICES OFFICE
Address: 1135 MAIN ST
City,State,Zip: CONCORD, MA 01742-0000
Facility ID: 3-0026832
Source Type: VEHICLE
Release Town: CONCORD
Notification Date: 05/16/2007
Category: TWO HR
Associated ID: Not reported
Current Status: RAO
Status Date: 05/27/2008
Phase: Not reported
Response Action Outcome: A2
Oil Or Haz Material: Oil

Name: DEE BUS SERVICES OFFICE
Address: 1135 MAIN ST
City,State,Zip: CONCORD, MA 01742-0000
Facility ID: 3-0026832
Source Type: BUSREPAIR
Release Town: CONCORD
Notification Date: 05/16/2007
Category: TWO HR
Associated ID: Not reported
Current Status: RAO
Status Date: 05/27/2008
Phase: Not reported
Response Action Outcome: A2
Oil Or Haz Material: Oil

Name: DEE BUS SERVICES OFFICE
Address: 1135 MAIN ST
City,State,Zip: CONCORD, MA 01742-0000
Facility ID: 3-0026832
Source Type: GARAGE
Release Town: CONCORD
Notification Date: 05/16/2007
Category: TWO HR
Associated ID: Not reported
Current Status: RAO
Status Date: 05/27/2008
Phase: Not reported
Response Action Outcome: A2

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

SHWS

EDR ID: S108640609 **DIST/DIR:** 0.426 SE **ELEVATION:** 125 **MAP ID:** 29

NAME: DEE BUS SERVICES OFFICE

Rev: 01/11/2021

ADDRESS: 1135 MAIN ST
CONCORD, MA 01742

ID/Status: 3-0026832
ID/Status: RAO

SOURCE: MA Department of Environmental Protection

Oil Or Haz Material: Oil

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

INST CONTROL

EDR ID: S101036040 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H30

NAME: MOBIL STATION 01-154

Rev: 01/11/2021

ADDRESS: 1112 MAIN ST

ID/Status: 3-0003444

CONCORD, MA 01742

SOURCE: MA Department of Environmental Protection

INST CONTROL:

Name: MOBIL STATION 01-154

Address: 1112 MAIN ST

City,State,Zip: CONCORD, MA 01742-0000

Release Tracking Number: 3-0003444

Action Type: AUL

Action Stat: RECPT

Action Date: 06/04/2013

Response Action Outcome: A3 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LAST

EDR ID: S101036040 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H30

NAME: MOBIL STATION 01-154
ADDRESS: 1112 MAIN ST
CONCORD, MA 01742

Rev: 01/11/2021
ID/Status: 3-0003444 / RAO

SOURCE: MA Department of Environmental Protection

LAST:

Name: MOBIL STATION 01-154
Address: 1112 MAIN ST
City,State,Zip: CONCORD, MA 01742-0000
Release Tracking Number/Current Status: 3-0003444 / RAO
Source Type: AST
Release Town: CONCORD
Notification Date: 01/15/1991
Category: 120 DY
Associated ID: 3-0003444
Status Date: 05/31/2013
Phase: PHASE V
Response Action Outcome: A3 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Oil Or Haz Material: Oil and Hazardous Material

Chemicals:

Chemical: TETRACHLOROETHENE
Quantity: 1.58 milligrams per kilogram
Chemical: PETROLEUM
Quantity: Not reported
Location Type: GASSTATION
Location Type: COMMERCIAL
Source: USTOTHER
Source: UNKNOWN
Source: UST
Source: AST

Actions:

Action Type: Release Disposition
Action Status: Valid Transition Site
Action Date: 1/15/1991
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: TREGS

Action Status: WAVSIG
Action Date: 1/15/1991
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LAST

EDR ID: S101036040 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H30

NAME: MOBIL STATION 01-154
ADDRESS: 1112 MAIN ST
CONCORD, MA 01742

Rev: 01/11/2021
ID/Status: 3-0003444 / RAO

SOURCE: MA Department of Environmental Protection

Action Status: Completion Statement Received

Action Date: 1/17/2014

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification

Action Status: Transmittal, Notice, or Notification Received

Action Date: 1/18/1991

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: TREGS

Action Status: WAVACC

Action Date: 1/18/1991

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification

Action Status: Tier 2 Classification

Action Date: 1/18/1996

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Action Date: 1/27/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO

Action Status: RAO Statement Received

Action Date: 1/4/2002

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO

Action Status: Inspection and Monitoring Report Received

Action Date: 10/15/2012

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LAST

EDR ID: S101036040 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H30

NAME: MOBIL STATION 01-154
ADDRESS: 1112 MAIN ST
CONCORD, MA 01742

Rev: 01/11/2021
ID/Status: 3-0003444 / RAO

SOURCE: MA Department of Environmental Protection

reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO

Action Status: RMRINT

Action Date: 10/15/2012

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification

Action Status: RTN Linked to TCLASS Via Tier Classification Submittal

Action Date: 10/19/2009

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: Status or Interim Report Received

Action Date: 10/19/2009

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: RMRINT

Action Date: 10/19/2009

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Action Date: 10/27/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: RMRINT

Action Date: 10/27/2010

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

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Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LAST

EDR ID: S101036040 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H30

NAME: MOBIL STATION 01-154
ADDRESS: 1112 MAIN ST
CONCORD, MA 01742

Rev: 01/11/2021
ID/Status: 3-0003444 / RAO

SOURCE: MA Department of Environmental Protection

Action Type: Phase 5
Action Status: Status or Interim Report Received
Action Date: 10/27/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5
Action Status: Inspection and Monitoring Report Received
Action Date: 10/28/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5
Action Status: Remedy Operation Status Report Received
Action Date: 10/29/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5
Action Status: RMRINT
Action Date: 10/29/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5
Action Status: RMRINT
Action Date: 10/30/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5
Action Status: RMRINT
Action Date: 10/30/2007
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5
Action Status: Remedy Operation Status Report Received
Action Date: 10/30/2007

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Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LAST

EDR ID: S101036040 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H30

NAME: MOBIL STATION 01-154
ADDRESS: 1112 MAIN ST
CONCORD, MA 01742

Rev: 01/11/2021
ID/Status: 3-0003444 / RAO

SOURCE: MA Department of Environmental Protection

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: Inspection and Monitoring Report Received

Action Date: 10/31/2003

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Action Date: 10/31/2005

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: Status or Interim Report Received

Action Date: 11/1/2004

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure

Action Status: Written Plan Received

Action Date: 11/12/2014

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: TREGS

Action Status: WAVREC

Action Date: 11/13/1990

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure

Action Status: Level I - Technical Screen Audit

Action Date: 11/14/2014

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

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Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LAST

EDR ID: S101036040 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H30

NAME: MOBIL STATION 01-154
ADDRESS: 1112 MAIN ST
CONCORD, MA 01742

Rev: 01/11/2021
ID/Status: 3-0003444 / RAO

SOURCE: MA Department of Environmental Protection

Action Type: Phase 5
Action Status: RMRINT
Action Date: 11/16/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5
Action Status: Remedy Operation Status Report Received
Action Date: 11/16/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Completion Statement Received
Action Date: 11/18/2013
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 11/19/2015
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 2
Action Status: Completion Statement Received
Action Date: 11/2/1998
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 11/22/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 11/29/1999

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LAST

EDR ID: S101036040 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H30

NAME: MOBIL STATION 01-154
ADDRESS: 1112 MAIN ST
CONCORD, MA 01742

Rev: 01/11/2021
ID/Status: 3-0003444 / RAO

SOURCE: MA Department of Environmental Protection

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Written Plan Received
Action Date: 11/3/2014

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 11/8/1995

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 11/9/1998

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 3/17/2010

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 3/8/2011

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 4
Action Status: Revised Statement or Transmittal Received
Action Date: 4/18/2001

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LAST

EDR ID: S101036040 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H30

NAME: MOBIL STATION 01-154
ADDRESS: 1112 MAIN ST
CONCORD, MA 01742

Rev: 01/11/2021
ID/Status: 3-0003444 / RAO

SOURCE: MA Department of Environmental Protection

Action Type: Tier Classification

Action Status: RTN Linked to TCLASS Via Tier Classification Submittal

Action Date: 4/21/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: RMRINT

Action Date: 4/23/2009

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Action Date: 4/23/2009

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: Action Status or AUL Terminated

Action Date: 4/23/2009

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO

Action Status: RMRINT

Action Date: 4/24/2012

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO

Action Status: Inspection and Monitoring Report Received

Action Date: 4/24/2012

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: RMRINT

Action Date: 4/28/2010

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LAST

EDR ID: S101036040 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H30

NAME: MOBIL STATION 01-154
ADDRESS: 1112 MAIN ST
CONCORD, MA 01742

Rev: 01/11/2021
ID/Status: 3-0003444 / RAO

SOURCE: MA Department of Environmental Protection

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification

Action Status: RTN Linked to TCLASS Via Tier Classification Submittal

Action Date: 4/28/2010

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: Status or Interim Report Received

Action Date: 4/28/2010

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: Inspection and Monitoring Report Received

Action Date: 4/29/2003

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Action Date: 4/29/2008

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: RMRINT

Action Date: 4/29/2008

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: RMRINT

Action Date: 4/30/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LAST

EDR ID: S101036040 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H30

NAME: MOBIL STATION 01-154
ADDRESS: 1112 MAIN ST
CONCORD, MA 01742

Rev: 01/11/2021
ID/Status: 3-0003444 / RAO

SOURCE: MA Department of Environmental Protection

Action Type: Phase 5
Action Status: Remedy Operation Status Report Received
Action Date: 4/30/2007
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 3
Action Status: Completion Statement Received
Action Date: 5/1/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 4
Action Status: Completion Statement Received
Action Date: 5/1/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5
Action Status: Remedy Operation Status Report Received
Action Date: 5/1/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal
Action Date: 5/1/2007
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 5/1/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Written Plan Received
Action Date: 5/13/2008

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Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LAST

EDR ID: S101036040 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H30

NAME: MOBIL STATION 01-154
ADDRESS: 1112 MAIN ST
CONCORD, MA 01742

Rev: 01/11/2021
ID/Status: 3-0003444 / RAO

SOURCE: MA Department of Environmental Protection

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit
Action Date: 5/14/2008

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Written Plan Received
Action Date: 5/2/2002

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5
Action Status: Status or Interim Report Received
Action Date: 5/2/2005

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 5/2/2011

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 3
Action Status: Revised Statement or Transmittal Received
Action Date: 5/2/2011

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5
Action Status: Status or Interim Report Received
Action Date: 5/2/2011

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

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Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LAST

EDR ID: S101036040 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H30

NAME: MOBIL STATION 01-154
ADDRESS: 1112 MAIN ST
CONCORD, MA 01742

Rev: 01/11/2021
ID/Status: 3-0003444 / RAO

SOURCE: MA Department of Environmental Protection

Action Type: Phase 5
Action Status: RMRINT
Action Date: 5/2/2011

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 4
Action Status: Modified Revised or Updated Plan Received
Action Date: 5/2/2011

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: RMRINT
Action Date: 5/2/2013

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 5/2/2013

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: Inspection and Monitoring Report Received
Action Date: 5/2/2013

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5
Action Status: Inspection and Monitoring Report Received
Action Date: 5/3/2004

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 5/31/2013

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Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LAST

EDR ID: S101036040 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H30

NAME: MOBIL STATION 01-154
ADDRESS: 1112 MAIN ST
CONCORD, MA 01742

Rev: 01/11/2021
ID/Status: 3-0003444 / RAO

SOURCE: MA Department of Environmental Protection

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure

Action Status: Modified Revised or Updated Plan Received

Action Date: 6/18/2008

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification

Action Status: Tier 2 Extension

Action Date: 6/30/1997

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Activity and Use Limitation

Action Status: Transmittal, Notice, or Notification Received

Action Date: 6/4/2013

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO

Action Status: Level II - Audit Inspection

Action Date: 7/13/2004

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: RLFA

Action Status: FLDRAN

Action Date: 7/13/2004

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification

Action Status: Tier 2 Extension

Action Date: 7/13/2012

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LAST

EDR ID: S101036040 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H30

NAME: MOBIL STATION 01-154
ADDRESS: 1112 MAIN ST
CONCORD, MA 01742

Rev: 01/11/2021
ID/Status: 3-0003444 / RAO

SOURCE: MA Department of Environmental Protection

Action Type: Release Abatement Measure

Action Status: Written Plan Received

Action Date: 7/19/2013

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure

Action Status: Level I - Technical Screen Audit

Action Date: 7/22/2013

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: An activity type that is related to an Audit

Action Status: NAFNVD

Action Date: 7/23/2004

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Compliance and Enforcement Action

Action Status: Interim Deadline Letter Issued

Action Date: 7/27/1995

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: Remedy Operation Status Submittal Received

Action Date: 7/28/2003

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 2

Action Status: Scope of Work Received

Action Date: 7/31/1998

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO

Action Status: Level I - Technical Screen Audit

Action Date: 7/31/2014

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LAST

EDR ID: S101036040 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H30

NAME: MOBIL STATION 01-154
ADDRESS: 1112 MAIN ST
CONCORD, MA 01742

Rev: 01/11/2021
ID/Status: 3-0003444 / RAO

SOURCE: MA Department of Environmental Protection

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Completion Statement Received
Action Date: 8/14/2008

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 8/23/2002

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Completion Statement Received
Action Date: 8/23/2002

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 4
Action Status: Written Plan Received
Action Date: 9/1/2000

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LUST

EDR ID: S101036040 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H30

NAME: MOBIL STATION 01-154
ADDRESS: 1112 MAIN ST
CONCORD, MA 01742

Rev: 01/11/2021
ID/Status: 3-0003444 / RAO

SOURCE: MA Department of Environmental Protection

LUST:

Facility:

Name: MOBIL STATION 01-154
Address: 1112 MAIN ST
City,State,Zip: CONCORD, MA 01742-0000
Current Status: Response Action Outcome
Release Tracking Number/Current Status: 3-0003444 / RAO
Status Date: 05/31/2013
Source Type: UST
Release Town: CONCORD
Notification Date: 01/15/1991
Category: 120 DY
Associated ID: 3-0003444
Phase: PHASE V
Response Action Outcome: A3 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Oil Or Haz Material: Oil and Hazardous Material

Location Type: GASSTATION
Location Type: COMMERCIAL
Source: USTOTHER
Source: UNKNOWN
Source: UST
Source: AST

[Click here to access the MA DEP site for this facility:](#)

Chemicals:

Chemical: TETRACHLOROETHENE
Quantity: 1.58 milligrams per kilogram
Chemical: PETROLEUM
Quantity: Not reported

Actions:

Action Type: Release Disposition
Action Status: Valid Transition Site
Action Date: 1/15/1991
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LUST

EDR ID: S101036040 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H30

NAME: MOBIL STATION 01-154
ADDRESS: 1112 MAIN ST
CONCORD, MA 01742

Rev: 01/11/2021
ID/Status: 3-0003444 / RAO

SOURCE: MA Department of Environmental Protection

Action Type: TREGS
Action Status: WAVSIG
Action Date: 1/15/1991

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Completion Statement Received
Action Date: 1/17/2014

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 1/18/1991

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: TREGS
Action Status: WAVACC
Action Date: 1/18/1991

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 1/18/1996

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5
Action Status: Remedy Operation Status Report Received
Action Date: 1/27/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 1/4/2002

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LUST

EDR ID: S101036040 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H30

NAME: MOBIL STATION 01-154
ADDRESS: 1112 MAIN ST
CONCORD, MA 01742

Rev: 01/11/2021
ID/Status: 3-0003444 / RAO

SOURCE: MA Department of Environmental Protection

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: Inspection and Monitoring Report Received
Action Date: 10/15/2012

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: RMRINT
Action Date: 10/15/2012

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal
Action Date: 10/19/2009

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5
Action Status: Status or Interim Report Received
Action Date: 10/19/2009

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5
Action Status: RMRINT
Action Date: 10/19/2009

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5
Action Status: Remedy Operation Status Report Received
Action Date: 10/27/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LUST

EDR ID: S101036040 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H30

NAME: MOBIL STATION 01-154

Rev: 01/11/2021

ADDRESS: 1112 MAIN ST

ID/Status: 3-0003444 / RAO

CONCORD, MA 01742

SOURCE: MA Department of Environmental Protection

Action Type: Phase 5

Action Status: RMRINT

Action Date: 10/27/2010

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: Status or Interim Report Received

Action Date: 10/27/2010

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: Inspection and Monitoring Report Received

Action Date: 10/28/2002

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Action Date: 10/29/2008

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: RMRINT

Action Date: 10/29/2008

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: RMRINT

Action Date: 10/30/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: RMRINT

Action Date: 10/30/2007

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LUST

EDR ID: S101036040 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H30

NAME: MOBIL STATION 01-154
ADDRESS: 1112 MAIN ST
CONCORD, MA 01742

Rev: 01/11/2021
ID/Status: 3-0003444 / RAO

SOURCE: MA Department of Environmental Protection

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Action Date: 10/30/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: Inspection and Monitoring Report Received

Action Date: 10/31/2003

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Action Date: 10/31/2005

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: Status or Interim Report Received

Action Date: 11/1/2004

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure

Action Status: Written Plan Received

Action Date: 11/12/2014

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: TREGS

Action Status: WAVREC

Action Date: 11/13/1990

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LUST

EDR ID: S101036040 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H30

NAME: MOBIL STATION 01-154
ADDRESS: 1112 MAIN ST
CONCORD, MA 01742

Rev: 01/11/2021
ID/Status: 3-0003444 / RAO

SOURCE: MA Department of Environmental Protection

Action Type: Release Abatement Measure

Action Status: Level I - Technical Screen Audit

Action Date: 11/14/2014

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: RMRINT

Action Date: 11/16/2011

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Action Date: 11/16/2011

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure

Action Status: Completion Statement Received

Action Date: 11/18/2013

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: BOL

Action Status: Transmittal, Notice, or Notification Received

Action Date: 11/19/2015

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 2

Action Status: Completion Statement Received

Action Date: 11/2/1998

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification

Action Status: Tier 2 Extension

Action Date: 11/22/2000

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LUST

EDR ID: S101036040 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H30

NAME: MOBIL STATION 01-154
ADDRESS: 1112 MAIN ST
CONCORD, MA 01742

Rev: 01/11/2021
ID/Status: 3-0003444 / RAO

SOURCE: MA Department of Environmental Protection

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 11/29/1999

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Written Plan Received
Action Date: 11/3/2014

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 11/8/1995

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 11/9/1998

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 3/17/2010

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 3/8/2011

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LUST

EDR ID: S101036040 DIST/DIR: 0.443 SE ELEVATION: 126 MAP ID: H30

NAME: MOBIL STATION 01-154
ADDRESS: 1112 MAIN ST
CONCORD, MA 01742

Rev: 01/11/2021
ID/Status: 3-0003444 / RAO

SOURCE: MA Department of Environmental Protection

Action Type: Phase 4
Action Status: Revised Statement or Transmittal Received
Action Date: 4/18/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal
Action Date: 4/21/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5
Action Status: RMRINT
Action Date: 4/23/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5
Action Status: Remedy Operation Status Report Received
Action Date: 4/23/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5
Action Status: Action Status or AUL Terminated
Action Date: 4/23/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: RMRINT
Action Date: 4/24/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: Inspection and Monitoring Report Received
Action Date: 4/24/2012

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LUST

EDR ID: S101036040 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H30

NAME: MOBIL STATION 01-154
ADDRESS: 1112 MAIN ST
CONCORD, MA 01742

Rev: 01/11/2021
ID/Status: 3-0003444 / RAO

SOURCE: MA Department of Environmental Protection

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5
Action Status: RMRINT
Action Date: 4/28/2010

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal
Action Date: 4/28/2010

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5
Action Status: Status or Interim Report Received
Action Date: 4/28/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5
Action Status: Inspection and Monitoring Report Received
Action Date: 4/29/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5
Action Status: Remedy Operation Status Report Received
Action Date: 4/29/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5
Action Status: RMRINT
Action Date: 4/29/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LUST

EDR ID: S101036040 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H30

NAME: MOBIL STATION 01-154
ADDRESS: 1112 MAIN ST
CONCORD, MA 01742

Rev: 01/11/2021
ID/Status: 3-0003444 / RAO

SOURCE: MA Department of Environmental Protection

Action Type: Phase 5
Action Status: RMRINT
Action Date: 4/30/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5
Action Status: Remedy Operation Status Report Received
Action Date: 4/30/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 3
Action Status: Completion Statement Received
Action Date: 5/1/2000

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 4
Action Status: Completion Statement Received
Action Date: 5/1/2002

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5
Action Status: Remedy Operation Status Report Received
Action Date: 5/1/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal
Action Date: 5/1/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 5/1/2009

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LUST

EDR ID: S101036040 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H30

NAME: MOBIL STATION 01-154
ADDRESS: 1112 MAIN ST
CONCORD, MA 01742

Rev: 01/11/2021
ID/Status: 3-0003444 / RAO

SOURCE: MA Department of Environmental Protection

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Written Plan Received
Action Date: 5/13/2008

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit
Action Date: 5/14/2008

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Written Plan Received
Action Date: 5/2/2002

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5
Action Status: Status or Interim Report Received
Action Date: 5/2/2005

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 5/2/2011

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 3
Action Status: Revised Statement or Transmittal Received
Action Date: 5/2/2011

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

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Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LUST

EDR ID: S101036040 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H30

NAME: MOBIL STATION 01-154

Rev: 01/11/2021

ADDRESS: 1112 MAIN ST

ID/Status: 3-0003444 / RAO

CONCORD, MA 01742

SOURCE: MA Department of Environmental Protection

Action Type: Phase 5

Action Status: Status or Interim Report Received

Action Date: 5/2/2011

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: RMRINT

Action Date: 5/2/2011

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 4

Action Status: Modified Revised or Updated Plan Received

Action Date: 5/2/2011

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO

Action Status: RMRINT

Action Date: 5/2/2013

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification

Action Status: Tier 2 Extension

Action Date: 5/2/2013

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO

Action Status: Inspection and Monitoring Report Received

Action Date: 5/2/2013

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: Inspection and Monitoring Report Received

Action Date: 5/3/2004

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Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LUST

EDR ID: S101036040 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H30

NAME: MOBIL STATION 01-154

Rev: 01/11/2021

ADDRESS: 1112 MAIN ST

ID/Status: 3-0003444 / RAO

CONCORD, MA 01742

SOURCE: MA Department of Environmental Protection

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO

Action Status: RAO Statement Received

Action Date: 5/31/2013

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure

Action Status: Modified Revised or Updated Plan Received

Action Date: 6/18/2008

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification

Action Status: Tier 2 Extension

Action Date: 6/30/1997

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Activity and Use Limitation

Action Status: Transmittal, Notice, or Notification Received

Action Date: 6/4/2013

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO

Action Status: Level II - Audit Inspection

Action Date: 7/13/2004

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: RLFA

Action Status: FLDRAN

Action Date: 7/13/2004

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

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Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LUST

EDR ID: S101036040 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H30

NAME: MOBIL STATION 01-154
ADDRESS: 1112 MAIN ST
CONCORD, MA 01742

Rev: 01/11/2021
ID/Status: 3-0003444 / RAO

SOURCE: MA Department of Environmental Protection

Action Type: Tier Classification

Action Status: Tier 2 Extension

Action Date: 7/13/2012

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure

Action Status: Written Plan Received

Action Date: 7/19/2013

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure

Action Status: Level I - Technical Screen Audit

Action Date: 7/22/2013

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: An activity type that is related to an Audit

Action Status: NAFNVD

Action Date: 7/23/2004

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Compliance and Enforcement Action

Action Status: Interim Deadline Letter Issued

Action Date: 7/27/1995

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: Remedy Operation Status Submittal Received

Action Date: 7/28/2003

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 2

Action Status: Scope of Work Received

Action Date: 7/31/1998

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LUST

EDR ID: S101036040 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H30

NAME: MOBIL STATION 01-154
ADDRESS: 1112 MAIN ST
CONCORD, MA 01742

Rev: 01/11/2021
ID/Status: 3-0003444 / RAO

SOURCE: MA Department of Environmental Protection

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit
Action Date: 7/31/2014

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Completion Statement Received
Action Date: 8/14/2008

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 8/23/2002

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Completion Statement Received
Action Date: 8/23/2002

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 4
Action Status: Written Plan Received
Action Date: 9/1/2000

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Facility:
Name: MOBIL STATION 01-154
Address: 1112 MAIN ST
City,State,Zip: CONCORD, MA 01742-0000

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LUST

EDR ID: S101036040 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H30

NAME: MOBIL STATION 01-154

Rev: 01/11/2021

ADDRESS: 1112 MAIN ST

ID/Status: 3-0003444 / RAO

CONCORD, MA 01742

SOURCE: MA Department of Environmental Protection

Current Status: Response Action Outcome

Release Tracking Number/Current Status: 3-0003444 / RAO

Status Date: 05/31/2013

Source Type: USTOTHER

Release Town: CONCORD

Notification Date: 01/15/1991

Category: 120 DY

Associated ID: 3-0003444

Phase: PHASE V

Response Action Outcome: A3 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Oil Or Haz Material: Oil and Hazardous Material

Location Type: GASSTATION

Location Type: COMMERCIAL

Source: USTOTHER

Source: UNKNOWN

Source: UST

Source: AST

[Click here to access the MA DEP site for this facility:](#)

Chemicals:

Chemical: TETRACHLOROETHENE

Quantity: 1.58 milligrams per kilogram

Chemical: PETROLEUM

Quantity: Not reported

Actions:

Action Type: Release Disposition

Action Status: Valid Transition Site

Action Date: 1/15/1991

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: TREGS

Action Status: WAVSIG

Action Date: 1/15/1991

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LUST

EDR ID: S101036040 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H30

NAME: MOBIL STATION 01-154

Rev: 01/11/2021

ADDRESS: 1112 MAIN ST

ID/Status: 3-0003444 / RAO

CONCORD, MA 01742

SOURCE: MA Department of Environmental Protection

Action Type: Release Abatement Measure

Action Status: Completion Statement Received

Action Date: 1/17/2014

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification

Action Status: Transmittal, Notice, or Notification Received

Action Date: 1/18/1991

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: TREGS

Action Status: WAVACC

Action Date: 1/18/1991

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification

Action Status: Tier 2 Classification

Action Date: 1/18/1996

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Action Date: 1/27/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO

Action Status: RAO Statement Received

Action Date: 1/4/2002

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO

Action Status: Inspection and Monitoring Report Received

Action Date: 10/15/2012

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LUST

EDR ID: S101036040 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H30

NAME: MOBIL STATION 01-154
ADDRESS: 1112 MAIN ST
CONCORD, MA 01742

Rev: 01/11/2021
ID/Status: 3-0003444 / RAO

SOURCE: MA Department of Environmental Protection

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO

Action Status: RMRINT

Action Date: 10/15/2012

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification

Action Status: RTN Linked to TCLASS Via Tier Classification Submittal

Action Date: 10/19/2009

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: Status or Interim Report Received

Action Date: 10/19/2009

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: RMRINT

Action Date: 10/19/2009

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Action Date: 10/27/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: RMRINT

Action Date: 10/27/2010

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

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Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LUST

EDR ID: S101036040 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H30

NAME: MOBIL STATION 01-154
ADDRESS: 1112 MAIN ST
CONCORD, MA 01742

Rev: 01/11/2021
ID/Status: 3-0003444 / RAO

SOURCE: MA Department of Environmental Protection

Action Type: Phase 5
Action Status: Status or Interim Report Received
Action Date: 10/27/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5
Action Status: Inspection and Monitoring Report Received
Action Date: 10/28/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5
Action Status: Remedy Operation Status Report Received
Action Date: 10/29/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5
Action Status: RMRINT
Action Date: 10/29/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5
Action Status: RMRINT
Action Date: 10/30/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5
Action Status: RMRINT
Action Date: 10/30/2007
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5
Action Status: Remedy Operation Status Report Received
Action Date: 10/30/2007

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Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LUST

EDR ID: S101036040 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H30

NAME: MOBIL STATION 01-154

Rev: 01/11/2021

ADDRESS: 1112 MAIN ST

ID/Status: 3-0003444 / RAO

CONCORD, MA 01742

SOURCE: MA Department of Environmental Protection

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: Inspection and Monitoring Report Received

Action Date: 10/31/2003

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Action Date: 10/31/2005

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: Status or Interim Report Received

Action Date: 11/1/2004

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure

Action Status: Written Plan Received

Action Date: 11/12/2014

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: TREGS

Action Status: WAVREC

Action Date: 11/13/1990

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure

Action Status: Level I - Technical Screen Audit

Action Date: 11/14/2014

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LUST

EDR ID: S101036040 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H30

NAME: MOBIL STATION 01-154

Rev: 01/11/2021

ADDRESS: 1112 MAIN ST

ID/Status: 3-0003444 / RAO

CONCORD, MA 01742

SOURCE: MA Department of Environmental Protection

Action Type: Phase 5

Action Status: RMRINT

Action Date: 11/16/2011

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Action Date: 11/16/2011

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure

Action Status: Completion Statement Received

Action Date: 11/18/2013

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: BOL

Action Status: Transmittal, Notice, or Notification Received

Action Date: 11/19/2015

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 2

Action Status: Completion Statement Received

Action Date: 11/2/1998

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification

Action Status: Tier 2 Extension

Action Date: 11/22/2000

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification

Action Status: Tier 2 Extension

Action Date: 11/29/1999

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LUST

EDR ID: S101036040 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H30

NAME: MOBIL STATION 01-154
ADDRESS: 1112 MAIN ST
CONCORD, MA 01742

Rev: 01/11/2021
ID/Status: 3-0003444 / RAO

SOURCE: MA Department of Environmental Protection

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Written Plan Received
Action Date: 11/3/2014

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 11/8/1995

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 11/9/1998

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 3/17/2010

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 3/8/2011

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 4
Action Status: Revised Statement or Transmittal Received
Action Date: 4/18/2001

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LUST

EDR ID: S101036040 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H30

NAME: MOBIL STATION 01-154
ADDRESS: 1112 MAIN ST
CONCORD, MA 01742

Rev: 01/11/2021
ID/Status: 3-0003444 / RAO

SOURCE: MA Department of Environmental Protection

Action Type: Tier Classification

Action Status: RTN Linked to TCLASS Via Tier Classification Submittal

Action Date: 4/21/2006

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: RMRINT

Action Date: 4/23/2009

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Action Date: 4/23/2009

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: Action Status or AUL Terminated

Action Date: 4/23/2009

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO

Action Status: RMRINT

Action Date: 4/24/2012

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO

Action Status: Inspection and Monitoring Report Received

Action Date: 4/24/2012

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: RMRINT

Action Date: 4/28/2010

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LUST

EDR ID: S101036040 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H30

NAME: MOBIL STATION 01-154
ADDRESS: 1112 MAIN ST
CONCORD, MA 01742

Rev: 01/11/2021
ID/Status: 3-0003444 / RAO

SOURCE: MA Department of Environmental Protection

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification

Action Status: RTN Linked to TCLASS Via Tier Classification Submittal

Action Date: 4/28/2010

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: Status or Interim Report Received

Action Date: 4/28/2010

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: Inspection and Monitoring Report Received

Action Date: 4/29/2003

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: Remedy Operation Status Report Received

Action Date: 4/29/2008

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: RMRINT

Action Date: 4/29/2008

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: RMRINT

Action Date: 4/30/2007

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LUST

EDR ID: S101036040 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H30

NAME: MOBIL STATION 01-154
ADDRESS: 1112 MAIN ST
CONCORD, MA 01742

Rev: 01/11/2021
ID/Status: 3-0003444 / RAO

SOURCE: MA Department of Environmental Protection

Action Type: Phase 5
Action Status: Remedy Operation Status Report Received
Action Date: 4/30/2007
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 3
Action Status: Completion Statement Received
Action Date: 5/1/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 4
Action Status: Completion Statement Received
Action Date: 5/1/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5
Action Status: Remedy Operation Status Report Received
Action Date: 5/1/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal
Action Date: 5/1/2007
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 5/1/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Written Plan Received
Action Date: 5/13/2008

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LUST

EDR ID: S101036040 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H30

NAME: MOBIL STATION 01-154
ADDRESS: 1112 MAIN ST
CONCORD, MA 01742

Rev: 01/11/2021
ID/Status: 3-0003444 / RAO

SOURCE: MA Department of Environmental Protection

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit
Action Date: 5/14/2008

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Written Plan Received
Action Date: 5/2/2002

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5
Action Status: Status or Interim Report Received
Action Date: 5/2/2005

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 5/2/2011

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 3
Action Status: Revised Statement or Transmittal Received
Action Date: 5/2/2011

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5
Action Status: Status or Interim Report Received
Action Date: 5/2/2011

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LUST

EDR ID: S101036040 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H30

NAME: MOBIL STATION 01-154
ADDRESS: 1112 MAIN ST
CONCORD, MA 01742

Rev: 01/11/2021
ID/Status: 3-0003444 / RAO

SOURCE: MA Department of Environmental Protection

Action Type: Phase 5
Action Status: RMRINT
Action Date: 5/2/2011

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 4
Action Status: Modified Revised or Updated Plan Received
Action Date: 5/2/2011

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: RMRINT
Action Date: 5/2/2013

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 5/2/2013

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: Inspection and Monitoring Report Received
Action Date: 5/2/2013

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5
Action Status: Inspection and Monitoring Report Received
Action Date: 5/3/2004

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 5/31/2013

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LUST

EDR ID: S101036040 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H30

NAME: MOBIL STATION 01-154
ADDRESS: 1112 MAIN ST
CONCORD, MA 01742

Rev: 01/11/2021
ID/Status: 3-0003444 / RAO

SOURCE: MA Department of Environmental Protection

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure

Action Status: Modified Revised or Updated Plan Received

Action Date: 6/18/2008

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification

Action Status: Tier 2 Extension

Action Date: 6/30/1997

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Activity and Use Limitation

Action Status: Transmittal, Notice, or Notification Received

Action Date: 6/4/2013

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO

Action Status: Level II - Audit Inspection

Action Date: 7/13/2004

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: RLFA

Action Status: FLDRAN

Action Date: 7/13/2004

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification

Action Status: Tier 2 Extension

Action Date: 7/13/2012

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LUST

EDR ID: S101036040 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H30

NAME: MOBIL STATION 01-154

Rev: 01/11/2021

ADDRESS: 1112 MAIN ST

ID/Status: 3-0003444 / RAO

CONCORD, MA 01742

SOURCE: MA Department of Environmental Protection

Action Type: Release Abatement Measure

Action Status: Written Plan Received

Action Date: 7/19/2013

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure

Action Status: Level I - Technical Screen Audit

Action Date: 7/22/2013

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: An activity type that is related to an Audit

Action Status: NAFNVD

Action Date: 7/23/2004

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Compliance and Enforcement Action

Action Status: Interim Deadline Letter Issued

Action Date: 7/27/1995

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5

Action Status: Remedy Operation Status Submittal Received

Action Date: 7/28/2003

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 2

Action Status: Scope of Work Received

Action Date: 7/31/1998

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO

Action Status: Level I - Technical Screen Audit

Action Date: 7/31/2014

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LUST

EDR ID: S101036040 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H30

NAME: MOBIL STATION 01-154
ADDRESS: 1112 MAIN ST
CONCORD, MA 01742

Rev: 01/11/2021
ID/Status: 3-0003444 / RAO

SOURCE: MA Department of Environmental Protection

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Completion Statement Received
Action Date: 8/14/2008

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 8/23/2002

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Completion Statement Received
Action Date: 8/23/2002

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 4
Action Status: Written Plan Received
Action Date: 9/1/2000

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

SHWS

EDR ID:	S101036040	DIST/DIR:	0.443 SE	ELEVATION:	126	MAP ID:	H30

NAME:	MOBIL STATION 01-154	Rev:	01/11/2021
ADDRESS:	1112 MAIN ST CONCORD, MA 01742	ID/Status:	3-0003444
		ID/Status:	3-0029066
		ID/Status:	3-0022743
		ID/Status:	3-0024820
SOURCE:	MA Department of Environmental Protection	ID/Status:	3-0026009

SHWS:

Name: MOBIL STATION 01-154
Address: 1112 MAIN ST
City,State,Zip: CONCORD, MA 01742-0000
Facility ID: 3-0003444
Source Type: UNKNOWN
Release Town: CONCORD
Notification Date: 01/15/1991
Category: 120 DY
Associated ID: 3-0003444
Current Status: RAO
Status Date: 05/31/2013
Phase: PHASE V
Response Action Outcome: A3
Oil Or Haz Material: Oil and Hazardous Material

Name: MOBIL STATION 01-154
Address: 1112 MAIN ST
City,State,Zip: CONCORD, MA 01742-0000
Facility ID: 3-0029066
Source Type: UNKNOWN
Release Town: CONCORD
Notification Date: 02/10/2010
Category: 120 DY
Associated ID: Not reported
Current Status: RAONR
Status Date: 04/28/2010
Phase: Not reported
Response Action Outcome: Not reported
Oil Or Haz Material: Hazardous Material

Name: MOBIL STATION 12351 01-154
Address: 1112 MAIN ST
City,State,Zip: CONCORD, MA 01742-0000
Facility ID: 3-0022743
Source Type: Not reported
Release Town: CONCORD
Notification Date: 08/23/2002
Category: 120 DY
Associated ID: Not reported
Current Status: RAONR
Status Date: 07/28/2003
Phase: Not reported
Response Action Outcome: Not reported

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

SHWS

EDR ID: S101036040 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H30

NAME: MOBIL STATION 01-154

Rev: 01/11/2021

ADDRESS: 1112 MAIN ST

ID/Status: 3-0003444

CONCORD, MA 01742

ID/Status: 3-0029066

ID/Status: 3-0022743

ID/Status: 3-0024820

SOURCE: MA Department of Environmental Protection

ID/Status: 3-0026009

Oil Or Haz Material: Hazardous Material

Name: MOBIL STATION 12351 01-154

Address: 1112 MAIN ST

City,State,Zip: CONCORD, MA 01742-0000

Facility ID: 3-0024820

Source Type: Not reported

Release Town: CONCORD

Notification Date: 05/02/2005

Category: 120 DY

Associated ID: Not reported

Current Status: RAONR

Status Date: 04/21/2006

Phase: Not reported

Response Action Outcome: Not reported

Oil Or Haz Material: Hazardous Material

Name: MOBIL STATION 12351 01-154

Address: 1112 MAIN ST

City,State,Zip: CONCORD, MA 01742-0000

Facility ID: 3-0026009

Source Type: Not reported

Release Town: CONCORD

Notification Date: 06/20/2006

Category: 120 DY

Associated ID: Not reported

Current Status: RAONR

Status Date: 05/01/2007

Phase: Not reported

Response Action Outcome: Not reported

Oil Or Haz Material: Hazardous Material

Name: MOBIL STATION 01-154

Address: 1112 MAIN ST

City,State,Zip: CONCORD, MA 01742-0000

Facility ID: 3-0028101

Source Type: Not reported

Release Town: CONCORD

Notification Date: 10/21/2008

Category: 120 DY

Associated ID: Not reported

Current Status: RAONR

Status Date: 10/19/2009

Phase: Not reported

Response Action Outcome: Not reported

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

SHWS

EDR ID:	S101036040	DIST/DIR:	0.443 SE	ELEVATION:	126	MAP ID:	H30

NAME: MOBIL STATION 01-154

Rev: 01/11/2021

ADDRESS: 1112 MAIN ST

ID/Status: 3-0003444

CONCORD, MA 01742

ID/Status: 3-0029066

ID/Status: 3-0022743

ID/Status: 3-0024820

SOURCE: MA Department of Environmental Protection

ID/Status: 3-0026009

Oil Or Haz Material: Hazardous Material

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LUST

EDR ID: S114004835 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H31

NAME: FORMER GASOLINE STATION

Rev: 01/11/2021

ADDRESS: 1112 MAIN STREET

ID/Status: 3-0031778 / RAO

CONCORD, MA 01742

SOURCE: MA Department of Environmental Protection

LUST:

Facility:

Name: FORMER GASOLINE STATION

Address: 1112 MAIN STREET

City,State,Zip: CONCORD, MA 01742-0000

Current Status: Response Action Outcome

Release Tracking Number/Current Status: 3-0031778 / RAO

Status Date: 01/17/2014

Source Type: UST

Release Town: CONCORD

Notification Date: 09/23/2013

Category: 72 HR

Associated ID: Not reported

Phase: Not reported

Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not been reduced to background.

Oil Or Haz Material: Oil

Location Type: COMMERCIAL

Source: UST

Source: USTOTHER

[Click here to access the MA DEP site for this facility:](#)

Chemicals:

Chemical: GASOLINE

Quantity: 286 parts per million

Actions:

Action Type: BOL

Action Status: SHPFAC

Action Date: 1/15/2014

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO

Action Status: RAO Statement Received

Action Date: 1/17/2014

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LUST

EDR ID: S114004835 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H31

NAME: FORMER GASOLINE STATION

Rev: 01/11/2021

ADDRESS: 1112 MAIN STREET

ID/Status: 3-0031778 / RAO

CONCORD, MA 01742

SOURCE: MA Department of Environmental Protection

Action Status: Completion Statement Received

Action Date: 1/17/2014

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action

Action Status: Completion Statement Received

Action Date: 1/17/2014

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action

Action Status: Level I - Technical Screen Audit

Action Date: 10/21/2014

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO

Action Status: Level I - Technical Screen Audit

Action Date: 10/21/2014

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 10/7/2013

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: BOL

Action Status: Transmittal, Notice, or Notification Received

Action Date: 10/9/2013

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure

Action Status: Completion Statement Received

Action Date: 11/18/2013

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RNFE

Action Status: Transmittal, Notice, or Notification Received

Action Date: 11/22/2013

Response Action Outcome: A permanent solution has been achieved. Contamination has not been

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LUST

EDR ID: S114004835 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H31

NAME: FORMER GASOLINE STATION

Rev: 01/11/2021

ADDRESS: 1112 MAIN STREET
CONCORD, MA 01742

ID/Status: 3-0031778 / RAO

SOURCE: MA Department of Environmental Protection

reduced to background.

Action Type: RNF

Action Status: Reportable Release under MGL 21E

Action Date: 11/22/2013

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action

Action Status: Written Plan Received

Action Date: 12/2/2013

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action

Action Status: Level I - Technical Screen Audit

Action Date: 12/2/2013

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure

Action Status: Written Plan Received

Action Date: 5/2/2002

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure

Action Status: Written Plan Received

Action Date: 7/19/2013

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure

Action Status: Level I - Technical Screen Audit

Action Date: 7/22/2013

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure

Action Status: Completion Statement Received

Action Date: 8/23/2002

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LUST

EDR ID: S114004835 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H31

NAME: FORMER GASOLINE STATION

Rev: 01/11/2021

ADDRESS: 1112 MAIN STREET

ID/Status: 3-0031778 / RAO

CONCORD, MA 01742

SOURCE: MA Department of Environmental Protection

Action Status: Reportable Release under MGL 21E

Action Date: 9/23/2013

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action

Action Status: Oral Approval of Plan or Action

Action Date: 9/23/2013

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Facility:

Name: FORMER GASOLINE STATION

Address: 1112 MAIN STREET

City,State,Zip: CONCORD, MA 01742-0000

Current Status: Response Action Outcome

Release Tracking Number/Current Status: 3-0031778 / RAO

Status Date: 01/17/2014

Source Type: USTOTHER

Release Town: CONCORD

Notification Date: 09/23/2013

Category: 72 HR

Associated ID: Not reported

Phase: Not reported

Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not been reduced to background.

Oil Or Haz Material: Oil

Location Type: COMMERCIAL

Source: UST

Source: USTOTHER

[Click here to access the MA DEP site for this facility:](#)

Chemicals:

Chemical: GASOLINE

Quantity: 286 parts per million

Actions:

Action Type: BOL

Action Status: SHPFAC

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LUST

EDR ID: S114004835 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H31

NAME: FORMER GASOLINE STATION

Rev: 01/11/2021

ADDRESS: 1112 MAIN STREET

ID/Status: 3-0031778 / RAO

CONCORD, MA 01742

SOURCE: MA Department of Environmental Protection

Action Date: 1/15/2014

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO

Action Status: RAO Statement Received

Action Date: 1/17/2014

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure

Action Status: Completion Statement Received

Action Date: 1/17/2014

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action

Action Status: Completion Statement Received

Action Date: 1/17/2014

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action

Action Status: Level I - Technical Screen Audit

Action Date: 10/21/2014

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO

Action Status: Level I - Technical Screen Audit

Action Date: 10/21/2014

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

Action Date: 10/7/2013

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: BOL

Action Status: Transmittal, Notice, or Notification Received

Action Date: 10/9/2013

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LUST

EDR ID: S114004835 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H31

NAME: FORMER GASOLINE STATION

Rev: 01/11/2021

ADDRESS: 1112 MAIN STREET

ID/Status: 3-0031778 / RAO

CONCORD, MA 01742

SOURCE: MA Department of Environmental Protection

Action Type: Release Abatement Measure

Action Status: Completion Statement Received

Action Date: 11/18/2013

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RNFE

Action Status: Transmittal, Notice, or Notification Received

Action Date: 11/22/2013

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RNF

Action Status: Reportable Release under MGL 21E

Action Date: 11/22/2013

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action

Action Status: Written Plan Received

Action Date: 12/2/2013

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action

Action Status: Level I - Technical Screen Audit

Action Date: 12/2/2013

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure

Action Status: Written Plan Received

Action Date: 5/2/2002

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure

Action Status: Written Plan Received

Action Date: 7/19/2013

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure

Action Status: Level I - Technical Screen Audit

Action Date: 7/22/2013

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

LUST

EDR ID: S114004835 **DIST/DIR:** 0.443 SE **ELEVATION:** 126 **MAP ID:** H31

NAME: FORMER GASOLINE STATION

Rev: 01/11/2021

ADDRESS: 1112 MAIN STREET

ID/Status: 3-0031778 / RAO

CONCORD, MA 01742

SOURCE: MA Department of Environmental Protection

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure

Action Status: Completion Statement Received

Action Date: 8/23/2002

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 9/23/2013

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action

Action Status: Oral Approval of Plan or Action

Action Date: 9/23/2013

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

SHWS

EDR ID: S108034537 **DIST/DIR:** 0.497 SSW **ELEVATION:** 154 **MAP ID:** 32

NAME: NO LOCATION AID

Rev: 01/11/2021

ADDRESS: MAIN ST AND W ST

ID/Status: 3-0025923

CONCORD, MA 01742

ID/Status: RAO

SOURCE: MA Department of Environmental Protection

SHWS:

Name: NO LOCATION AID

Address: MAIN ST AND W ST

City,State,Zip: CONCORD, MA 01742-0000

Facility ID: 3-0025923

Source Type: SDLTNKFROM

Release Town: CONCORD

Notification Date: 05/22/2006

Category: TWO HR

Associated ID: Not reported

Current Status: RAO

Status Date: 07/21/2006

Phase: Not reported

Response Action Outcome: A2

Oil Or Haz Material: Oil

Name: NO LOCATION AID

Address: MAIN ST AND W ST

City,State,Zip: CONCORD, MA 01742-0000

Facility ID: 3-0025923

Source Type: TRLRTRCK

Release Town: CONCORD

Notification Date: 05/22/2006

Category: TWO HR

Associated ID: Not reported

Current Status: RAO

Status Date: 07/21/2006

Phase: Not reported

Response Action Outcome: A2

Oil Or Haz Material: Oil

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

SHWS

EDR ID: S101034769 **DIST/DIR:** 0.510 NNW **ELEVATION:** 136 **MAP ID:** 33

NAME: NO LOCATION AID **Rev:** 01/11/2021
ADDRESS: 503 COMMONWEALTH AVE
CONCORD, MA 01742
SOURCE: MA Department of Environmental Protection

ID/Status: 3-0003969
ID/Status: 3-0010987
ID/Status: 3-0028259
ID/Status: RAO
ID/Status: RAONR

SHWS:

Name: EXXON STATION 3 8889
Address: 503 COMMONWEALTH AVE
City,State,Zip: CONCORD, MA 01742-0000
Facility ID: 3-0003969
Source Type: PIPE
Release Town: CONCORD
Notification Date: 07/15/1993
Category: 120 DY
Associated ID: 3-0003969
Current Status: RAO
Status Date: 01/05/2010
Phase: Not reported
Response Action Outcome: A2
Oil Or Haz Material: Oil

Name: NO LOCATION AID
Address: 503 COMMONWEALTH AVE
City,State,Zip: CONCORD, MA 01742
Facility ID: 3-0010987
Source Type: UNKNOWN
Release Town: CONCORD
Notification Date: 05/11/1994
Category: 72 HR
Associated ID: Not reported
Current Status: RAONR
Status Date: 04/18/1995
Phase: Not reported
Response Action Outcome: Not reported
Oil Or Haz Material: Oil

Name: EXXON STATION 3 8889
Address: 503 COMMONWEALTH AVE
City,State,Zip: CONCORD, MA 01742-0000
Facility ID: 3-0028259
Source Type: Not reported
Release Town: CONCORD
Notification Date: 12/22/2008
Category: 120 DY
Associated ID: Not reported
Current Status: RAONR
Status Date: 06/18/2009
Phase: Not reported
Response Action Outcome: Not reported

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

SHWS

EDR ID: S101034769 **DIST/DIR:** 0.510 NNW **ELEVATION:** 136 **MAP ID:** 33

NAME: NO LOCATION AID

Rev: 01/11/2021

ADDRESS: 503 COMMONWEALTH AVE
CONCORD, MA 01742

ID/Status: 3-0003969

ID/Status: 3-0010987

ID/Status: 3-0028259

ID/Status: RAO

ID/Status: RAONR

SOURCE: MA Department of Environmental Protection

Oil Or Haz Material: Hazardous Material

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

SHWS

EDR ID: S100828580 **DIST/DIR:** 0.527 ENE **ELEVATION:** 124 **MAP ID:** 34

NAME: ROUTE 2A **Rev:** 01/11/2021
ADDRESS: 686 ELM ST ID/Status: 3-0021339
CONCORD, MA 01742 ID/Status: 3-0028194
ID/Status: RAONR

SOURCE: MA Department of Environmental Protection

SHWS:

Name: ROUTE 2A
Address: 686 ELM ST
City,State,Zip: CONCORD, MA 01742-0000
Facility ID: 3-0021339
Source Type: UNKNOWN
Release Town: CONCORD
Notification Date: 12/18/2001
Category: 72 HR
Associated ID: Not reported
Current Status: RAONR
Status Date: 03/21/2002
Phase: Not reported
Response Action Outcome: Not reported
Oil Or Haz Material: Oil

Name: FMR TEXACO BRANDED SERVICE STA
Address: 686 ELM ST
City,State,Zip: CONCORD, MA 01742-2101
Facility ID: 3-0028194
Source Type: UNDER
Release Town: CONCORD
Notification Date: 12/08/2008
Category: 72 HR
Associated ID: Not reported
Current Status: RAONR
Status Date: 10/07/2009
Phase: Not reported
Response Action Outcome: Not reported
Oil Or Haz Material: Hazardous Material

Name: FMR TEXACO BRANDED SERVICE STA
Address: 686 ELM ST
City,State,Zip: CONCORD, MA 01742-2101
Facility ID: 3-0028194
Source Type: INVESTIGA
Release Town: CONCORD
Notification Date: 12/08/2008
Category: 72 HR
Associated ID: Not reported
Current Status: RAONR
Status Date: 10/07/2009
Phase: Not reported
Response Action Outcome: Not reported

- Continued on next page -

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

SHWS

EDR ID: S100828580 **DIST/DIR:** 0.527 ENE **ELEVATION:** 124 **MAP ID:** 34

NAME: ROUTE 2A **Rev:** 01/11/2021
ADDRESS: 686 ELM ST ID/Status: 3-0021339
CONCORD, MA 01742 ID/Status: 3-0028194
ID/Status: RAONR

SOURCE: MA Department of Environmental Protection

Oil Or Haz Material: Hazardous Material

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

SHWS

EDR ID: S100361068 **DIST/DIR:** 0.557 East **ELEVATION:** 169 **MAP ID:** 35

NAME: INDUSTRIAL PROPERTY

Rev: 01/11/2021

ADDRESS: 194 BAKER AVE AKA 54 BAKER AVE
CONCORD, MA 01742

ID/Status: 3-0001164
ID/Status: RAO

SOURCE: MA Department of Environmental Protection

SHWS:

Name: INDUSTRIAL PROPERTY
Address: 194 BAKER AVE AKA 54 BAKER AVE
City,State,Zip: CONCORD, MA 01742
Facility ID: 3-0001164
Source Type: DRUMS
Release Town: CONCORD
Notification Date: 10/15/1988
Category: NONE
Associated ID: Not reported
Current Status: RAO
Status Date: 05/23/1997
Phase: Not reported
Response Action Outcome: B1
Oil Or Haz Material: Oil

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

SHWS

EDR ID: S104482434 **DIST/DIR:** 0.687 SE **ELEVATION:** 198 **MAP ID:** 36

NAME: SOUTH OF MARLBORO RD

Rev: 01/11/2021

ADDRESS: 40 WOODLAND RD

ID/Status: 3-0019053

CONCORD, MA 01742

ID/Status: RAO

SOURCE: MA Department of Environmental Protection

SHWS:

Name: SOUTH OF MARLBORO RD

Address: 40 WOODLAND RD

City,State,Zip: CONCORD, MA 01742-0000

Facility ID: 3-0019053

Source Type: Not reported

Release Town: CONCORD

Notification Date: 12/01/1999

Category: 120 DY

Associated ID: Not reported

Current Status: RAO

Status Date: 11/27/2000

Phase: Not reported

Response Action Outcome: A2

Oil Or Haz Material: Oil

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

SHWS

EDR ID: S106775775 **DIST/DIR:** 0.810 ENE **ELEVATION:** 149 **MAP ID:** 37

NAME: RESIDENCE **Rev:** 01/11/2021
ADDRESS: 76 COBURN HILL RD ID/Status: 3-0024279
CONCORD, MA 01742 ID/Status: RAO

SOURCE: MA Department of Environmental Protection

SHWS:
Name: RESIDENCE
Address: 76 COBURN HILL RD
City,State,Zip: CONCORD, MA 01742-0000
Facility ID: 3-0024279
Source Type: PIPE
Release Town: CONCORD
Notification Date: 09/28/2004
Category: TWO HR
Associated ID: Not reported
Current Status: RAO
Status Date: 11/24/2004
Phase: Not reported
Response Action Outcome: A1
Oil Or Haz Material: Oil

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

SHWS

EDR ID: S118562891 **DIST/DIR:** 0.814 ESE **ELEVATION:** 152 **MAP ID:** 38

NAME: RESIDENCE **Rev:** 01/11/2021
ADDRESS: 895 MAIN STREET ID/Status: 3-0033478
CONCORD, MA 01742 ID/Status: PSNC

SOURCE: MA Department of Environmental Protection

SHWS:

Name: RESIDENCE
Address: 895 MAIN STREET
City,State,Zip: CONCORD, MA 01742-0000
Facility ID: 3-0033478
Source Type: PIPE
Release Town: CONCORD
Notification Date: 03/19/2016
Category: TWO HR
Associated ID: Not reported
Current Status: PSNC
Status Date: 01/17/2017
Phase: Not reported
Response Action Outcome: PN
Oil Or Haz Material: Oil

Name: RESIDENCE
Address: 895 MAIN STREET
City,State,Zip: CONCORD, MA 01742-0000
Facility ID: 3-0033478
Source Type: OHMDELIVER
Release Town: CONCORD
Notification Date: 03/19/2016
Category: TWO HR
Associated ID: Not reported
Current Status: PSNC
Status Date: 01/17/2017
Phase: Not reported
Response Action Outcome: PN
Oil Or Haz Material: Oil

Site Detail Report

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

SHWS

EDR ID: S123244429 **DIST/DIR:** 0.834 SSE **ELEVATION:** 148 **MAP ID:** 39

NAME: RESIDENTIAL PROPERTY
ADDRESS: 494 OLD MARLBORO ROAD
CONCORD, MA

Rev: 01/11/2021
ID/Status: 3-0035340
ID/Status: PSNC

SOURCE: MA Department of Environmental Protection

SHWS:

Name: RESIDENTIAL PROPERTY
Address: 494 OLD MARLBORO ROAD
City,State,Zip: CONCORD, MA
Facility ID: 3-0035340
Source Type: LINE
Release Town: CONCORD
Notification Date: 12/10/2018
Category: TWO HR
Associated ID: Not reported
Current Status: PSNC
Status Date: 02/13/2019
Phase: Not reported
Response Action Outcome: PN
Oil Or Haz Material: Oil

Database Descriptions

NPL: NPL National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices. NPL - National Priority List Proposed NPL - Proposed National Priority List Sites.

NPL Delisted: Delisted NPL The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate. Delisted NPL - National Priority List Deletions

CERCLIS: SEMS SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL. SEMS - Superfund Enterprise Management System

NFRAP: SEMS-ARCHIVE SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site. SEMS-ARCHIVE - Superfund Enterprise Management System Archive

RCRA COR ACT: CORRACTS CORRACTS identifies hazardous waste handlers with RCRA corrective action activity. CORRACTS - Corrective Action Report

RCRA TSD: RCRA-TSDF RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste. RCRA-TSDF - RCRA - Treatment, Storage and Disposal

RCRA GEN: RCRA-LQG RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. RCRA-LQG - RCRA - Large Quantity Generators RCRA-SQG - RCRA - Small Quantity Generators. RCRA-VSQG - RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators).

Federal IC / EC: US ENG CONTROLS A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health. US ENG CONTROLS - Engineering Controls Sites List
US INST CONTROLS - Institutional Controls Sites List.

Database Descriptions

ERNS: ERNS Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances. ERNS - Emergency Response Notification System

State/Tribal CERCLIS: SHWS Contains information on releases of oil and hazardous materials that have been reported to DEP. SHWS - Site Transition List

State/Tribal SWL: LF PROFILES SWF/LF - Solid Waste Facility Database/Transfer Stations. This spreadsheet describes landfills that have actively accepted waste or have closed under MassDEP Solid Waste Regulations first adopted in 1971 (310 CMR 16.00 and 310 CMR 19.00). The list does not include landfills that closed before 1971 (and which never had a MassDEP permit or approval), or for which agency data is incomplete. SWF/LF - Landfill Profiles Listing

State/Tribal LTANKS: LAST LUST - Leaking Underground Storage Tank Listing. Sites within the Leaking Underground Storage Tank Listing that have a UST listed as its source. LUST - Leaking Underground Storage Tank Listing INDIAN LUST R6 - Leaking Underground Storage Tanks on Indian Land. INDIAN LUST R5 - Leaking Underground Storage Tanks on Indian Land. INDIAN LUST R10 - Leaking Underground Storage Tanks on Indian Land. INDIAN LUST R9 - Leaking Underground Storage Tanks on Indian Land. INDIAN LUST R8 - Leaking Underground Storage Tanks on Indian Land. INDIAN LUST R4 - Leaking Underground Storage Tanks on Indian Land. INDIAN LUST R7 - Leaking Underground Storage Tanks on Indian Land. INDIAN LUST R1 - Leaking Underground Storage Tanks on Indian Land.

State/Tribal Tanks: UST Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program. UST - Summary Listing of all the Tanks Registered in the State of Massachusetts AST 2 - Aboveground Storage Tanks. AST - Aboveground Storage Tank Database. INDIAN UST R1 - Underground Storage Tanks on Indian Land. INDIAN UST R10 - Underground Storage Tanks on Indian Land. INDIAN UST R4 - Underground Storage Tanks on Indian Land. INDIAN UST R5 - Underground Storage Tanks on Indian Land. INDIAN UST R7 - Underground Storage Tanks on Indian Land. INDIAN UST R9 - Underground Storage Tanks on Indian Land. INDIAN UST R8 - Underground Storage Tanks on Indian Land. INDIAN UST R6 - Underground Storage Tanks on Indian Land.

State/Tribal IC / EC: INST CONTROL Activity and Use Limitations establish limits and conditions on the future use of contaminated property, and therefore allow cleanups to be tailored to these uses. INST CONTROL - Sites With Activity and Use Limitation

ST/Tribal Brownfields: BROWNFIELDS BROWNFIELDS 2 - Potential Brownfields Listing. A listing of potential brownfields site locations in the state. BROWNFIELDS 2 - Potential Brownfields Listing

US Brownfields: US BROWNFIELDS Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs. US BROWNFIELDS - A Listing of Brownfields Sites

Other Haz Sites: US CDL A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments. US CDL - Clandestine Drug Labs PFAS - PFAS Contaminated Sites Listing.

Database Descriptions

Spills: HMIRS Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT. HMIRS - Hazardous Materials Information Reporting System MA SPILLS - Historical Spill List. RELEASE - Reportable Releases. SPILLS 90 - SPILLS90 data from FirstSearch. SPILLS 80 - SPILLS80 data from FirstSearch.

Other: RCRA NonGen / NLR RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste. RCRA NonGen / NLR - RCRA - Non Generators / No Longer Regulated FEDLAND - Federal and Indian Lands. TSCA - Toxic Substances Control Act. TRIS - Toxic Chemical Release Inventory System. SSTS - Section 7 Tracking Systems. RAATS - RCRA Administrative Action Tracking System. PRP - Potentially Responsible Parties. PADS - PCB Activity Database System. ICIS - Integrated Compliance Information System. FTTS - FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act). FTTS INSP - FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act). MLTS - Material Licensing Tracking System. RADINFO - Radiation Information Database. BRS - Biennial Reporting System. INDIAN RESERV - Indian Reservations. US AIRS (AFS) - Aerometric Information Retrieval System Facility Subsystem (AFS). US AIRS MINOR - Air Facility System Data. FINDS - Facility Index System/Facility Registry System. GWDP - Ground Water Discharge Permits. NPDES - NPDES Permit Listing. MINES MRDS - Mineral Resources Data System. PCS INACTIVE - Listing of Inactive PCS Permits. PCS - Permit Compliance System. PCS ENF - Enforcement data.

Database Sources

NPL: EPA

Updated Quarterly

NPL Delisted: EPA

Updated Quarterly

CERCLIS: EPA

Updated Quarterly

NFRAP: EPA

Updated Quarterly

RCRA COR ACT: EPA

Updated Quarterly

RCRA TSD: Environmental Protection Agency

Updated Quarterly

RCRA GEN: Environmental Protection Agency

Updated Quarterly

Federal IC / EC: Environmental Protection Agency

Varies

ERNS: National Response Center, United States Coast Guard

Updated Quarterly

State/Tribal CERCLIS: Department of Environmental Protection

Updated Quarterly

State/Tribal SWL: Department of Environmental Protection

Varies

State/Tribal LTANKS: Department of Environmental Protection

Updated Quarterly

State/Tribal Tanks: Department of Fire Services, Office of the Public Safety

Updated Quarterly

Database Sources

State/Tribal IC / EC: Department of Environmental Protection

Updated Quarterly

ST/Tribal Brownfields: Office of the Attorney General

Updated Annually

US Brownfields: Environmental Protection Agency

Updated Semi-Annually

Other Haz Sites: Drug Enforcement Administration

Updated Quarterly

Spills: U.S. Department of Transportation

Updated Quarterly

Other: Environmental Protection Agency

Updated Quarterly

Street Name Report for Streets near the Target Property

Target Property: 6X WINTHROP STREET
CONCORD, MA 01742

JOB: NA

Street Name	Dist/Dir	Street Name	Dist/Dir
Beharrell St	0.19 South		
Commonwealth Ave	0.15 West		
Laws Brook Rd	0.24 SW		
Winthrop St	0.06 WSW		

Environmental FirstSearch

1.000 Mile Radius

ASTM MAP: NPL, RCRACOR, STATES Sites



6X WINTHROP STREET CONCORD, MA 01742



Black Rings Represent Qtr. Mile Radius; Red Ring Represents 500 ft. Radius

- ★ Target Property (Latitude: 42.460835 Longitude: 71.394459)
- ▲ Identified Sites
- Indian Reservations BIA
- National Priority List Sites

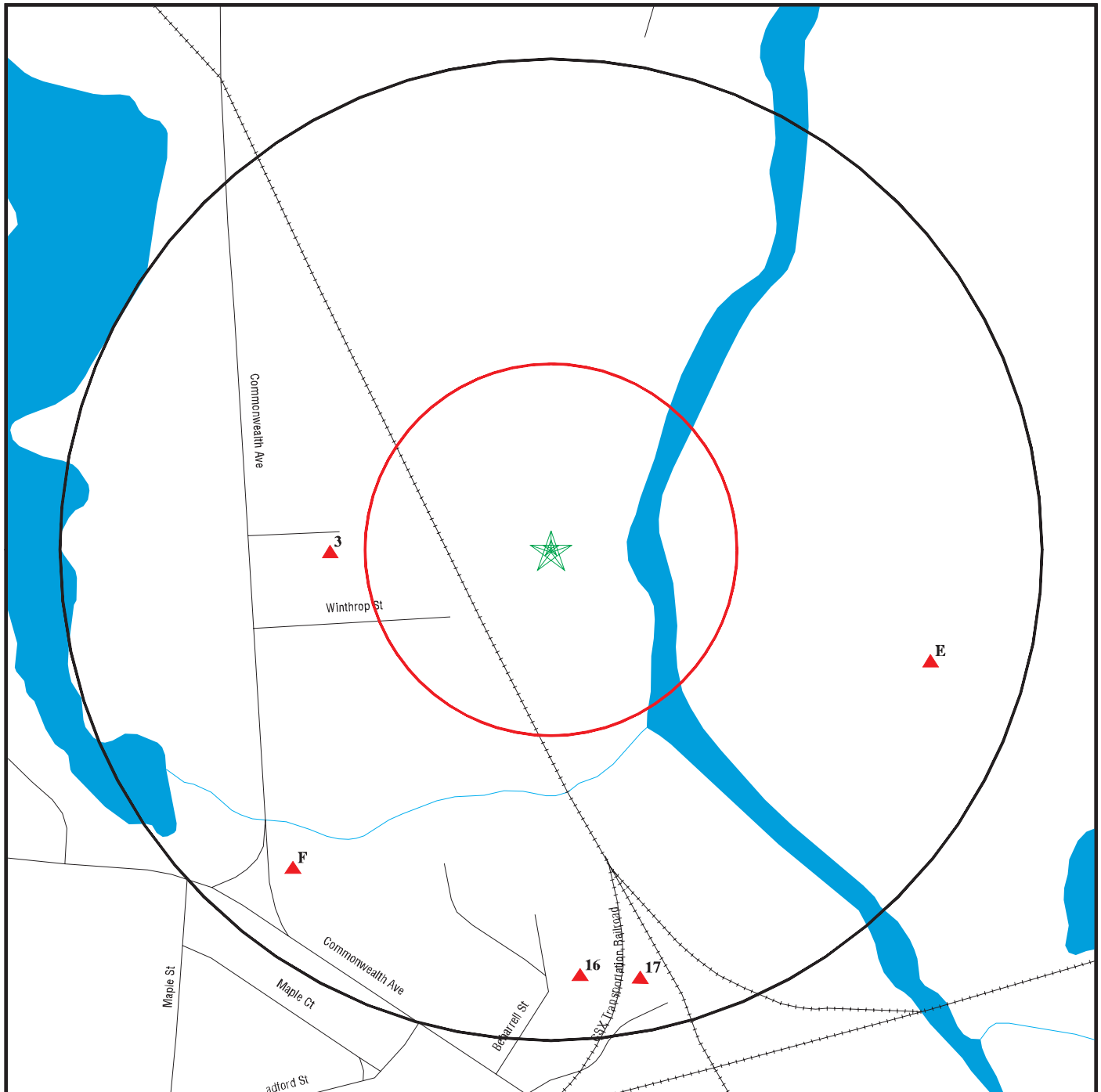
6X WINTHROP STREET CONCORD, MA 01742



Black Rings Represent Qtr. Mile Radius; Red Ring Represents 500 ft. Radius

- ★ Target Property (Latitude: 42.460835 Longitude: 71.394459)
- ▲ Identified Sites
- Indian Reservations BIA
- National Priority List Sites

6X WINTHROP STREET CONCORD, MA 01742



Black Rings Represent Qtr. Mile Radius; Red Ring Represents 500 ft. Radius

- ★ Target Property (Latitude: 42.460835 Longitude: 71.394459)
- ▲ Identified Sites
- National Priority List Sites
- ▨ Indian Reservations BIA

Environmental FirstSearch

0.500 Mile Radius
Non ASTM Map, Spills, FINDS



6X WINTHROP STREET CONCORD, MA 01742



Black Rings Represent Qtr. Mile Radius; Red Ring Represents 500 ft. Radius

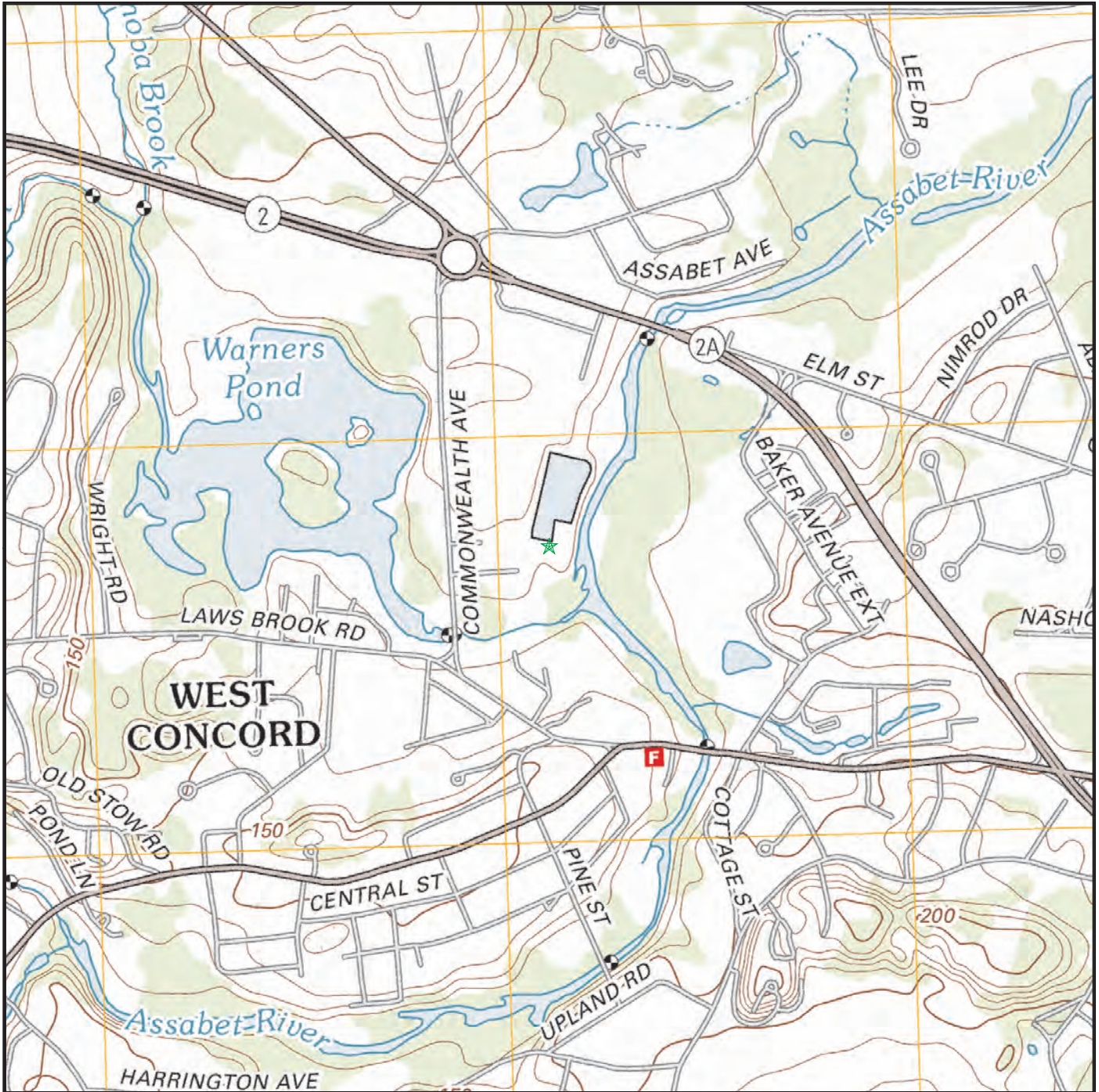
- ★ Target Property (Latitude: 42.460835 Longitude: 71.394459)
- ▲ Identified Sites
- Indian Reservations BIA
- ⚠ Sensitive Receptors
- ⚠ National Priority List Sites

Site location Map

Topo: 0.75 Mile Radius



6X WINTHROP STREET CONCORD, MA 01742



Map Image Position: TP
Map Reference Code & Name: 5646209 Maynard
Map State(s): MA
Version Date: 2012



Project Limitations



PROJECT LIMITATIONS

1. This report assessed physical characteristics in regards to the presence of specific hazardous substances or petroleum products in the environment. Compliance of past or present owners or operators with any federal, state, or local laws and regulations was not verified.
2. Observations described in this assessment were made under the conditions stated within this report. The conclusions presented were based solely upon the services described and not upon scientific procedures which were beyond the scope of this assessment or the budgetary and time constraints imposed by the Client. Where access to portions of the Site were unavailable, limited, or obscured by ground cover conditions, such as snow, ice, or other obstructions, ENSTRAT, Inc. renders no opinion as to the presence of oil or hazardous materials in these areas. ENSTRAT, Inc. reserves the right to modify the conclusions of this report should further information become available.
3. Certain information provided by state and local officials, as well as other parties herein referenced, was used to develop this report. The accuracy or completeness of the information provided by these sources was not independently verified.
4. Present and past ownership information may have been obtained through a review of a land title records provided to ENSTRAT, Inc. by others. Ownership deed searches conducted by ENSTRAT, Inc. personnel do not constitute a certified title search or include extensive research for information concerning pending litigation and court orders imposing limits on usage of the Site.
5. Groundwater flow may have been estimated from a review of the USGS topographic map that includes the Site. However, ground-water flow directions interpreted from this source are only meant to be a regional estimate and should not be confused with a Site specific estimate that requires installing and surveying monitoring wells at the Site.
6. Variations in types and concentrations of contaminants and fluctuations in their flow paths may occur due to seasonal water table changes, past disposal practices, time, and other factors. Contaminant concentrations and groundwater-level measurements detected in test pits, borings, and observation wells were made at the time and under the conditions cited in the report. In the event additional chemical data becomes available, the conclusions and recommendations of this report may need modification.
7. Some elements of this report may be based on preliminary "screening" data obtained in the field. A quantitative analysis may be required in the event more specific information is necessary to evaluate conditions.
8. Some projects may contain conclusions based upon data obtained from a limited number of soil and water samples taken from widely - spaced subsurface explorations. The nature and extent of variations in the soil and water between these explorations may not become evident until further exploration is completed. Should variations or other latent conditions appear evident, a reevaluation of the conclusions and recommendations may be required.
9. No other quantitative laboratory testing was performed other than that specified in the report. Where an outside laboratory has conducted such analyses, an independent evaluation to ascertain the reliability of this data has not been conducted.
10. Testing and analysis to determine the presence or concentration of asbestos-containing materials, radon, mold, lead paint, and UFFI were not within the scope of this assessment and were not conducted unless specifically included in scope of services. Air quality sampling, property boundary surveys, evaluation of septic system compliance, and PCB analyses were not conducted as part of this project.
11. Chemical analyses were performed for specific constituents only as cited in this report and were based upon the information available at the time of this study. Chemical constituents not cited and outside the scope of this assessment may be present in the soil, ground water or surface water.
12. The direction of groundwater flow in bedrock fractures and joints is not reliably estimated from surface topography. Therefore, the impact of oil or hazardous materials on the Site from abutting and surrounding properties via bedrock fractures cannot be evaluated without the installation of deep bedrock monitoring wells.
13. Reports and other materials resulting from ENSTRAT, Inc.'s efforts on this project and Site are not intended or represented to be suitable for reuse by the Client or others on extensions or modifications of this project or for any other projects or sites. Such reuse by the Client or others, without the adaptation of ENSTRAT, Inc. for the specific purpose intended, shall be at the user's sole risk, without liability on the part of ENSTRAT, Inc. Copies of this report will not be provided by ENSTRAT, Inc. to any other party unless required by law.