



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 1

**5 Post Office Square, Suite 100
BOSTON, MA 02109-3912**

CERTIFIED MAIL RETURN RECEIPT REQUESTED

JUN 02 2015

Michael Zylich
Senior Environmental Engineer
One NSTAR Way
Westwood, MA 02090

Re: Authorization to discharge under the Remediation General Permit (RGP) –
MAG910000. NSTAR Electric Company d/b/a/ Eversource Energy Station 282 site
located at 1263R Main Street, Waltham, MA, 02543, Middlesex County; Authorization #
MAG910683

Dear Mr. Zylich:

Based on the review of a Notice of Intent (NOI) submitted by Ms. Maria Firstenberg from GZA GeoEnvironmental, Inc., on behalf of NSTAR Electric Company d/b/a, Eversource Energy, for the site referenced above, the U.S. Environmental Protection Agency (EPA) hereby authorizes you, as the named Owner and Operator, to discharge in accordance with the provisions of the RGP at that site. Your authorization number is listed above.

This authorization is the result of receiving a variance approval from the Massachusetts Department of Environmental Protection, Division of Watershed Management with concurrence from the City of Cambridge about your proposed discharge into the Stony Brook a Class A surface water body from the reference site.

A checklist is enclosed with this RGP authorization and it indicates the pollutants which you are required to monitor. Also indicated on the checklist are the effluent limits, test methods and minimum levels (MLs) for each pollutant. Please note that the checklist does not represent the complete requirements of the RGP. Operators must comply with all of the applicable requirements of this permit, including influent and effluent monitoring, narrative water quality standards, record keeping, and reporting requirements, found in Parts I and II, and Appendices I – VIII of the RGP. See EPA's website for the complete RGP and other information at:
<http://www.epa.gov/region1/npdes/mass.html#dgp>.

Please note the enclosed checklist include parameters that your consultant marked "Believed Present".

Also, please note that the metals included on the checklist are dilution dependent pollutants and subject to limitations based on a dilution factor range (DFR). With the absence of dilution to tributaries Stony Brook, EPA determined that the DFR for each parameter is in the one and five (1-5) range. (See the RGP Appendix IV for Massachusetts facilities) Therefore, the limits for arsenic of 10 ug/L, trivalent chromium of 48.8 ug/L, copper of 5.2 ug/L, lead of 1.3 ug/L, nickel of 29 ug/L, zinc of 66.6 ug/L and iron of 1,000 ug/L, are required to achieve permit compliance at your site.

This general permit and authorization to discharge will expire on September 9, 2015. You have reported that this project will terminate on December 31, 2015. If for any reason the discharge terminates sooner you are required to submit a Notice of Termination (NOT) to the attention of the contact person indicated below within 30 days of project completion.

Finally, please note the checklist of pollutants attached to this authorization is subject to a recertification if the operations at the site result in a discharge lasting longer than six months. A recertification can be submitted to EPA within six (6) to twelve (12) months of operations in accordance with the 2010 RGP regulations.

Thank you in advance for your cooperation in this matter. Please contact Victor Alvarez at 617-918-1572 or Alvarez.Victor@epa.gov, if you have any questions.

Sincerely,



Thelma Murphy, Chief
Storm Water and Construction
Permits Section

Enclosure

cc: Robert Kubit, MassDEP
David Kaplan, Cambridge DPW
Maria Firstenberg, GZA GeoEnvironmental Inc.

**2010 Remediation General Permit
Summary of Monitoring Parameters^[1]**

NPDES Authorization Number:	MAG910683
Authorization Issued:	May, 2015
Facility/Site Name:	Eversource Station 282 Underground Conduit Manhole
Facility/Site Address:	1263 R Main Street, Waltham, MA 02543, Middlesex County
	Email address of owner: Michael.Zylich@eversource.com
Legal Name of Operator:	NSTAR Electric Company d/b/a Eversource Energy
Operator contact name, title, and Address:	Michael Zylich, Senior Environmental Engineer, One NSTAR Way, Westwood, MA 02090
	Email: Same as the Owner
Estimated date of The Project Completion:	December 31, 2015
Category and Sub-Category:	Category III- Contaminated Construction Water. Subcategory A. General Urban Fill Sites.
RGP Termination Date:	September 10, 2015
Receiving Water:	Stony Brook or Adjacent Pond

Monitoring & Limits are applicable if checked. All samples are to be collected as grab samples

	<u>Parameter</u>	<u>Effluent Limit/Method#/ML</u> (All Effluent Limits are shown as Daily Maximum Limit, unless denoted by a **, in that case it will be a Monthly Average Limit)
✓	1. Total Suspended Solids (TSS)	30 milligrams/liter (mg/L) **, 50 mg/L for hydrostatic testing ** Me#160.2/ML5ug/L
	2. Total Residual Chlorine (TRC) ¹	Freshwater = 11 ug/L ** Saltwater = 7.5 ug/L **/ Me#330.5/ML 20ug/L
	3. Total Petroleum Hydrocarbons (TPH)	5.0 mg/L/ Me# 1664A/ML 5.0mg/L
	4. Cyanide (CN) ^{2, 3}	Freshwater = 5.2 ug/l ** Saltwater = 1.0 ug/L **/ Me#335.4/ML 10ug/L
	5. Benzene (B)	5ug/L /50.0 ug/L for hydrostatic testing only/ Me#8260C/ML 2 ug/L
	6. Toluene (T)	(limited as ug/L total BTEX)/ Me#8260C/ ML 2ug/L
	7. Ethylbenzene (E)	(limited as ug/L total BTEX) Me#8260C/ ML 2ug/L
	8. (m,p,o) Xylenes (X)	(limited as ug/L total BTEX) Me#8260C/ ML 2ug/L

	<u>Parameter</u>	<u>Effluent Limit/Method#/ML</u> (All Effluent Limits are shown as Daily Maximum Limit, unless denoted by a **, in that case it will be a Monthly Average Limit)
	9. Total Benzene, Toluene, Ethyl Benzene, and Xylenes (BTEX) ⁴	100 ug/L/ Me#8260C/ ML 2ug/L
	10. Ethylene Dibromide (EDB) (1,2- Dibromoethane)	0.05 ug/l/ Me#8260C/ ML 10ug/L
	11. Methyl-tert-Butyl Ether (MtBE)	70.0 ug/l/Me#8260C/ML 10ug/L
	12.tert-Butyl Alcohol (TBA) (TertiaryButanol)	Monitor Only(ug/L)/Me#8260C/ML 10ug/L
	13. tert-Amyl Methyl Ether (TAME)	Monitor Only(ug/L)/Me#8260C/ML 10ug/L
	14. Naphthalene ⁵	20 ug/L /Me#8260C/ML 2ug/L
	15. Carbon Tetrachloride	4.4 ug/L /Me#8260C/ ML 5ug/L
	16. 1,2 Dichlorobenzene (o-DCB)	600 ug/L /Me#8260C/ ML 5ug/L
	17. 1,3 Dichlorobenzene (m-DCB)	320 ug/L /Me#8260C/ ML 5ug/L
	18. 1,4 Dichlorobenzene (p-DCB)	5.0 ug/L /Me#8260C/ ML 5ug/L
	18a. Total dichlorobenzene	763 ug/L - NH only /Me#8260C/ ML 5ug/L
	19. 1,1 Dichloroethane (DCA)	70 ug/L /Me#8260C/ ML 5ug/L
	20. 1,2 Dichloroethane (DCA)	5.0 ug/L /Me#8260C/ ML 5ug/L
	21. 1,1 Dichloroethene (DCE)	3.2 ug/L/Me#8260C/ ML 5ug/L
	22. cis-1,2 Dichloroethene (DCE)	70 ug/L/Me#8260C/ ML 5ug/L
	23. Methylene Chloride	4.6 ug/L/Me#8260C/ ML 5ug/L
	24. Tetrachloroethene (PCE)	5.0 ug/L/Me#8260C/ ML 5ug/L
	25. 1,1,1 Trichloro-ethane (TCA)	200 ug/L/Me#8260C/ ML 5ug/L
	26. 1,1,2 Trichloro-ethane (TCA)	5.0 ug/L /Me#8260C/ ML 5ug/L
	27. Trichloroethene (TCE)	5.0 ug/L /Me#8260C/ ML 5ug/L
	28. Vinyl Chloride (Chloroethene)	2.0 ug/L /Me#8260C/ ML 5ug/L
	29. Acetone	Monitor Only(ug/L)/Me#8260C/ML 50ug/L
	30. 1,4 Dioxane	Monitor Only /Me#1624C/ML 50ug/L
	31. Total Phenols	300 ug/L Me#420.1&420.2/ML 2 ug/L/ Me# 420.4 /ML 50ug/L
	32. Pentachlorophenol (PCP)	1.0 ug/L /Me#8270D/ML 5ug/L,Me#604 &625/ML 10ug/L
	33. Total Phthalates (Phthalate esters) ⁶	3.0 ug/L ** /Me#8270D/ML 5ug/L, Me#606/ML 10ug/L& Me#625/ML 5ug/L
	34. Bis (2-Ethylhexyl) Phthalate [Di- (ethylhexyl) Phthalate]	6.0 ug/L /Me#8270D/ML 5ug/L,Me#606/ML 10ug/L & Me#625/ML 5ug/L

	Parameter	Effluent Limit/Method#/ML (All Effluent Limits are shown as Daily Maximum Limit, unless denoted by a **, in that case it will be a Monthly Average Limit)
	35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)	10.0 ug/L
	a. Benzo(a) Anthracene ⁷	0.0038 ug/L /Me#8270D/ ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML 5ug/L
	b. Benzo(a) Pyrene ⁷	0.0038 ug/L /Me#8270D/ ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML 5ug/L
	c. Benzo(b)Fluoranthene ⁷	0.0038 ug/L /Me#8270D/ ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML 5ug/L
	d. Benzo(k)Fluoranthene ⁷	0.0038 ug/L /Me#8270D/ ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML 5ug/L
	e. Chrysene ⁷	0.0038 ug/L /Me#8270D/ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML 5ug/L
	f. Dibenzo(a,h)anthracene ⁷	0.0038 ug/L /Me#8270D/ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML 5ug/L
	g. Indeno(1,2,3-cd) Pyrene ⁷	0.0038 ug/L /Me#8270D/ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML 5ug/L
	36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)	100 ug/L
	h. Acenaphthene	X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L
	i. Acenaphthylene	X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L
	j. Anthracene	X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L
	k. Benzo(ghi) Perylene	X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L
	l. Fluoranthene	X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L
	m. Fluorene	X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L
	n. Naphthalene ⁵	20 ug/l / Me#8270/ML 5ug/L, Me#610/ML 5ug/L & Me#625/ML 5ug/L
	o. Phenanthrene	X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L
	p. Pyrene	X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L
	37. Total Polychlorinated Biphenyls (PCBs) ^{8,9}	0.000064 ug/L/Me# 608/ ML 0.5 ug/L
✓	38. Chloride	Monitor only/Me# 300.0/ ML 100 ug/L

	Metal Parameters	Total Recoverable Metal Limit @ H¹⁰ = 50 mg/l CaCO₃ for discharges in Massachusetts (ug/l) ^{11/12}		Minimum level=ML	
		Freshwater Limits			
	39. Antimony	5.6		ML	10
✓	40. Arsenic **	10		ML	20
	41. Cadmium **	0.2		ML	10
✓	42. Chromium III (trivalent) **	48.8		ML	15
	43. Chromium VI (hexavalent) **	11.4		ML	10
✓	44. Copper **	5.2		ML	15
✓	45. Lead **	1.3		ML	20
	46. Mercury **	0.9		ML	02
✓	47. Nickel **	29		ML	20
	48. Selenium **	5		ML	20
	49. Silver	1.2		ML	10
✓	50. Zinc **	66.6		ML	15
✓	51. Iron	1,000		ML	20

	Other Parameters	Limit
✓	52. Instantaneous Flow	Site specific in CFS
✓	53. Total Flow	Site specific in CFS
✓	54. pH Range for Class A & Class B Waters in MA	6.5-8.3; 1/Month/Grab ¹³
	55. pH Range for Class SA & Class SB Waters in MA	6.5-8.3; 1/Month/Grab ¹³
	56. pH Range for Class B Waters in NH	6.5-8; 1/Month/Grab ¹³
	57. Daily maximum temperature - Warm water fisheries	83°F; 1/Month/Grab ¹⁴
	58. Daily maximum temperature - Cold water fisheries	68°F; 1/Month/Grab ¹⁴
	59. Maximum Change in Temperature in MA - Any Class A water body	1.5°F; 1/Month/Grab ¹⁴
	60. Maximum Change in Temperature in MA - Any Class B water body- Warm Water	5°F; 1/Month/Grab ¹⁴
	61. Maximum Change in Temperature in MA - Any Class B water body - Cold water and Lakes/Ponds	3°F; 1/Month/Grab ¹⁴
	62. Maximum Change in Temperature in MA - Any Class SA water body - Coastal	1.5°F; 1/Month/Grab ¹⁴
	63. Maximum Change in Temperature in MA - Any Class SB water body - July to September	1.5°F; 1/Month/Grab ¹⁴
	64. Maximum Change in Temperature in MA -Any Class SB water body - October to June	4°F; 1/Month/Grab ¹⁴

Footnotes:

¹ Although the maximum values for TRC are 11ug/l and 7.5 ug/l for freshwater, and saltwater respectively, the compliance limits are equal to the minimum level (ML) of the test method used as listed in Appendix VI (i.e., Method 330.5, 20 ug/l).

² Limits for cyanide are based on EPA's water quality criteria expressed as micrograms per liter. There is currently no EPA approved test method for free cyanide. Therefore, total cyanide must be reported.

³ Although the maximum values for cyanide are 5.2 ug/l and 1.0 ug/l for freshwater and saltwater, respectively, the compliance limits are equal to the minimum level (ML) of the Method 335.4 as listed in Appendix VI (i.e., 10 ug/l).

⁴ BTEX = sum of Benzene, Toluene, Ethylbenzene, and total Xylenes.

⁵ Naphthalene can be reported as both a purgeable (VOC) and extractable (SVOC) organic compound. If both VOC and SVOC are analyzed, the highest value must be used unless the QC criteria for one of the analyses is not met. In such cases, the value from the analysis meeting the QC criteria must be used.

⁶ The sum of individual phthalate compounds(not including the #34, Bis (2-Ethylhexyl) Phthalate . The compliance limits are equal to the minimum level (ML) of the test method used as listed in Appendix VI.

Total values calculated for reporting on NOIs and discharge monitoring reports shall be calculated by adding the measured concentration of each constituent. If the measurement of a constituent is less than the ML, the permittee shall use a value of zero for that constituent. For each test, the permittee shall also attach the raw data for each constituent to the discharge monitoring report, including the minimum level and minimum detection level for the analysis.

⁷ Although the maximum value for the individual PAH compounds is 0.0038 ug/l, the compliance limits are equal to the minimum level (ML) of the test method used as listed in Appendix VI.

⁸ In the November 2002 WQC, EPA has revised the definition of Total PCBs for aquatic life as total PCBs is the sum of all homologue, all isomer, all congener, or all "Oroclor analyses."Total values calculated for reporting on NOIs and discharge monitoring reports shall be calculated by adding the measured concentration of each constituent. If the measure of a constituent is less than the ML, the permittee shall use a value of zero for that constituent. For each test, the permittee shall also attach the raw data for each constituent to the discharge monitoring report, including the minimum level and minimum detection level for the analysis.

⁹Although the maximum value for total PCBs is 0.000064 ug/l, the compliance limit is equal to the minimum level (ML) of the test method used as listed in Appendix VI (i.e., 0.5 ug/l for Method 608 or 0.00005 ug/l when Method 1668a is approved).

¹⁰ Hardness. Cadmium, Chromium III, Copper, Lead, Nickel, Silver, and Zinc are Hardness Dependent.

¹¹ For a Dilution Factor (DF) from 1 to 5, metals limits are calculated using DF times the base limit for the metal. See Appendix IV. For example, iron limits are calculated using $DF \times 1,000\text{ug/L}$ (the iron base limit). Therefore DF is 1.5, the iron limit will be 1,500 ug/L; DF 2, then iron limit = $1,000 \times 2 = 2,000\text{ ug/L}$, etc. not to exceed the DF=5.

¹² Minimum Level (ML) is the lowest level at which the analytical system gives a recognizable signal and acceptable calibration point for the analyte. The ML represents the lowest concentration at which an analyte can be measured with a known level of confidence. The ML is calculated by multiplying the laboratory-determined method detection limit by 3.18 (see 40 CFR Part 136, Appendix B).

¹³ pH sampling for compliance with permit limits may be performed using field methods as provided for in EPA test Method 150.1.

¹⁴ Temperature sampling per Method 170.1

May 8, 2015
File No. 01.0171696.00

Mr. Victor Alvarez
United States Environmental Protection Agency – Region 1
1 Congress Street, Suite 1100
Boston, Massachusetts 02114-2023



249 Vanderbilt Avenue
Norwood
Massachusetts
02062
781-278-3700
FAX 781-278-5701
<http://www.gza.com>

Re: Submittal of Notice of Intent (NOI)
Remediation General Permit
Eversource Energy
Station 282 Underground Conduit and Manholes
Waltham, Massachusetts

Dear Mr. Alvarez:

On behalf of NSTAR Electric Company d/b/a Eversource Energy (Eversource), GZA GeoEnvironmental Inc. (GZA) is submitting the attached Notice of Intent (NOI) form (Attachment 1) for the Remediation General Permit (RGP) for the installation of new underground electric conduit and manholes at Station 282 located at 1263R Main Street in Waltham, Massachusetts (the Site).

BACKGROUND

The Site is located at 1263R Main Street in Waltham, Massachusetts. A Site Locus plan is included as Figure 1, and a site plan is shown on Figure 2. The objective of the project is to excavate a trench in association with the installation of underground electric conduit and manholes at Station 282 in Waltham, Massachusetts.

During the installation of the conduit and manholes, discharge of treated water will be required for the duration of the project. The extracted groundwater will be pumped into a series of 20,000 gallon sedimentation tanks to settle out suspended solids. The tank size was based on an assumed maximum pumping rate of 500 gallons per minute (gpm) (1.14 cubic feet per second (ft³/s)). The actual pumping rate may vary due to the size and depth of well/sumps and hydrogeologic characteristics of the soil/fill material. In addition to the sedimentation tank water will be pumped through a bag filter prior to discharge. The bag filter will be replaced periodically and the tank will be cleaned out when sediments accumulate to a depth equal to one-quarter of the liquid level. The tank shall have a removable cover to facilitate sediment removal and will be equipped with sample ports to obtain discharge measurements. Treatment schematics are attached in Figure 4.

The proposed discharge point is the catch basin located at the southwest corner of the Site, with additional discharge point options at a number of catch basins located on the Site. The approximate locations are shown on Figure 2. These catch basins discharge to stormdrain lines maintained by the City of Waltham. The stormdrain lines ultimately outlet into Unnamed Tributary 1 for Stony Brook as shown in Figure 3.



NOTICE OF INTENT

This NOI has included a review of all literature pertaining to Areas of Critical Environmental Concern (ACEC), Endangered Species Act (ESA), and the National Historic Preservation Act (NHPA), as documented below:

- Review of Appendix I “Areas of Critical Environmental Concern” (June 2009) found that the Site does not discharge to an ACEC.
- Review of Appendix II “Federally Listed Endangered and Threatened Species in Massachusetts” (January 9, 2015) found that there are two listed species in Middlesex County. One, the Small whorled Pagonia is found only in Groton, Massachusetts. The Northern Long-eared Bat is found statewide; however they winter in mines and caves and summer is forested habitats. This site is an existing electric substation surrounded by commercial and industrial developments. Therefore, this project meets the permit eligibility for “Criterion A” (Attachment 2).
- Review of the Priority and Estimated Habitats provided by the MassWildlife online viewer (2008) shows that neither the Site nor the discharge points are located within a National Heritage & Endangered Species Program (NHESP) Priority Habitats of Rare Species or Estimated Habitats of Rare Wildlife. There are no Priority Habitats of rare Species or Estimated Habitats of rare Wildlife areas located within a half mile downstream of the discharge location (Figure 5).
- Review of the 2012 EPA 303(d) list of Impaired Waters and Total Maximum Daily Loads (TMDLs) for Part 5 of Attachment I indicated that Stony Brook and its tributaries are Class A surface waters. A final TMDL has not been prepared for the Unnamed tributary to Stony Brook.
- An electronic review of the Massachusetts Cultural Resource Information System (MACRIS) database, made available through Massachusetts Historical Commission, found no historic area, building, burial ground, object, or structure is located on the property located at 1263R Main Street. The documentation of this review can be found in Attachment 3. In addition, historic properties are not affected by the discharge or identified in the path of the discharge; therefore, permit eligibility meets “Criterion 2.”
- Laboratory analytical results depicted in Part 3 of the Notice of Intent Form (Attachment 1) are included as Attachment 4. Groundwater was tested on March 31, 2015. The only detected analytes which exceeded the effluent limits listed in EPA Appendix III were lead, copper, and iron. Since a 7Q10 flow rate is not available for the Unnamed tributary to Stony Brook, a dilution factor of 1 was conservatively assumed for the discharge point.



As required, the Massachusetts Department of Environmental Protection (MassDEP) Boston Office and MassDEP Division of Watershed Management are each receiving a copy of this NOI RGP application. We will further coordinate with MassDEP due to the proposed discharge to a Class A water body. If you have any questions or need additional information, please call Michele Simoneaux of GZA at 781-278-5802 or Michael Zylich of Eversource at 781-441-3804.

Very truly yours,

GZA GEOENVIRONMENTAL, INC.

A handwritten signature in blue ink that reads 'Maria Firstenberg'.

Maria Firstenberg
Project Engineer

A handwritten signature in blue ink that reads 'Gregg W. McBride'.

Gregg W. McBride
Principal

A handwritten signature in blue ink that reads 'Michele Simoneaux'.

Michele Simoneaux
Project Reviewer/Consultant

Cc: Michael Zylich, Eversource Energy
MassDEP- Boston
MassDEP- Division of Watershed Management
MassDEP-Robert Kubit

Attachments:

Attachment 1: EPA RGP Notice of Intent Form
Attachment 2: Federally Listed Endangered and Threatened Species in Massachusetts
Attachment 3: MACRIS Database Results
Attachment 4: Laboratory Analytical Results
Attachment 5: MassDEP Transmittal Form for Permit Application and Payment
(Transmittal # X265670)

Figures:

Figure 1 – Site Locus Map
Figure 2 – Site Plan
Figure 3 – Storm Drain Outfall Location
Figure 4 – Process Flow Diagram
Figure 5 – NHESP Map

ATTACHMENT 1

EPA RGP NOTICE OF INTENT FORM

B. Suggested Form for Notice of Intent (NOI) for the Remediation General Permit

1. General facility/site information. Please provide the following information about the site:

a) Name of facility/site :		Facility/site mailing address:	
Location of facility/site : longitude: _____ latitude: _____	Facility SIC code(s):	Street:	
b) Name of facility/site owner :		Town:	
Email address of facility/site owner:	State:	Zip:	County:
Telephone no. of facility/site owner :			
Fax no. of facility/site owner :	Owner is (check one): 1. Federal____ 2. State/Tribal____ 3. Private____ 4. Other ____ if so, describe:		
Address of owner (if different from site):			
Street:			
Town:	State:	Zip:	County:
c) Legal name of operator :	Operator telephone no:		
	Operator fax no.:		Operator email:
Operator contact name and title:			
Address of operator (if different from owner):	Street:		
Town:	State:	Zip:	County:

d) Check Y for “yes” or N for “no” for the following:

1. Has a prior NPDES permit exclusion been granted for the discharge? Y___ N___, if Y, number:_____
2. Has a prior NPDES application (Form 1 & 2C) ever been filed for the discharge?
Y___ N___, if Y, date and tracking #:_____
3. Is the discharge a “new discharge” as defined by 40 CFR 122.2? Y___ N___
4. For sites in Massachusetts, is the discharge covered under the Massachusetts Contingency Plan (MCP) and exempt from state permitting? Y___ N___

e) Is site/facility subject to any State permitting, license, or other action which is causing the generation of discharge? Y___ N___

If Y, please list:

1. site identification # assigned by the state of NH or MA:_____
2. permit or license # assigned:_____
3. state agency contact information: name, location, and telephone number:_____

f) Is the site/facility covered by any other EPA permit, including:

1. Multi-Sector General Permit? Y___ N___,

if Y, number:_____

2. Final Dewatering General Permit? Y___ N___,
3. EPA Construction General Permit? Y___ N___,

if Y, number:_____

4. Individual NPDES permit? Y___ N___,
5. Any other water quality related individual or general permit? Y___ N___, if Y, number:_____

g) Is the site/facility located within or does it discharge to an Area of Critical Environmental Concern (ACEC)? Y___ N___

h) Based on the facility/site information and any historical sampling data, identify the sub-category into which the potential discharge falls.

<u>Activity Category</u>	<u>Activity Sub-Category</u>
I - Petroleum Related Site Remediation	A. Gasoline Only Sites _____ B. Fuel Oils and Other Oil Sites (including Residential Non-Business Remediation Discharges) _____ C. Petroleum Sites with Additional Contamination _____
II - Non Petroleum Site Remediation	A. Volatile Organic Compound (VOC) Only Sites _____ B. VOC Sites with Additional Contamination _____ C. Primarily Heavy Metal Sites _____
III - Contaminated Construction Dewatering	A. General Urban Fill Sites _____ B. Known Contaminated Sites _____

IV - Miscellaneous Related Discharges	A. Aquifer Pump Testing to Evaluate Formerly Contaminated Sites ____ B. Well Development/Rehabilitation at Contaminated/Formerly Contaminated Sites ____ C. Hydrostatic Testing of Pipelines and Tanks ____ D. Long-Term Remediation of Contaminated Sumps and Dikes ____ E. Short-term Contaminated Dredging Drain Back Waters (if not covered by 401/404 permit) ____
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2. Discharge information. Please provide information about the discharge, (attaching additional sheets as necessary) including:

a) Describe the discharge activities for which the owner/applicant is seeking coverage:	
b) Provide the following information about each discharge:	
1) Number of discharge points:	2) What is the maximum and average flow rate of discharge (in cubic feet per second, ft ³ /s)? Max. flow _____ Is maximum flow a design value ? Y ____ N ____ Average flow (include units) _____ Is average flow a design value or estimate? _____
3) Latitude and longitude of each discharge within 100 feet: pt.1: lat. <u>42.376677</u> long. <u>-071.2639354</u> ; pt.2: lat. _____ long. _____; pt.3: lat. _____ long. _____; pt.4: lat. _____ long. _____; pt.5: lat. _____ long. _____; pt.6: lat. _____ long. _____; pt.7: lat. _____ long. _____; pt.8: lat. _____ long. _____; etc.	
4) If hydrostatic testing, total volume of the discharge (gals): _____	5) Is the discharge intermittent ____ or seasonal ____? Is discharge ongoing? Y ____ N ____
c) Expected dates of discharge (mm/dd/yy): start _____ end _____	
d) Please attach a line drawing or flow schematic showing water flow through the facility including: 1. sources of intake water, 2. contributing flow from the operation, 3. treatment units, and 4. discharge points and receiving waters(s).	

3. Contaminant information.

a) Based on the sub-category selected (see Appendix III), indicate whether each listed chemical is **believed present** or **believed absent** in the potential discharge. Attach additional sheets as needed.

<u>Parameter *</u>	<u>CAS Number</u>	<u>Believed Absent</u>	<u>Believed Present</u>	<u># of Samples</u>	<u>Sample Type (e.g., grab)</u>	<u>Analytical Method Used (method #)</u>	<u>Minimum Level (ML) of Test Method</u>	<u>Maximum daily value</u>		<u>Average daily value</u>	
								<u>concentration (ug/l)</u>	<u>mass (kg)</u>	<u>concentration (ug/l)</u>	<u>mass (kg)</u>
1. Total Suspended Solids (TSS)											
2. Total Residual Chlorine (TRC)											
3. Total Petroleum Hydrocarbons (TPH)											
4. Cyanide (CN)	57125										
5. Benzene (B)	71432										
6. Toluene (T)	108883										
7. Ethylbenzene (E)	100414										
8. (m,p,o) Xylenes (X)	108883; 106423; 95476; 1330207										
9. Total BTEX ²	n/a										
10. Ethylene Dibromide (EDB) (1,2-Dibromoethane) ³	106934										
11. Methyl-tert-Butyl Ether (MtBE)	1634044										
12. tert-Butyl Alcohol (TBA) (Tertiary-Butanol)	75650										

* Numbering system is provided to allow cross-referencing to Effluent Limits and Monitoring Requirements by Sub-Category included in Appendix III, as well as the Test Methods and Minimum Levels associated with each parameter provided in Appendix VI.

² BTEX = Sum of Benzene, Toluene, Ethylbenzene, total Xylenes.

³ EDB is a groundwater contaminant at fuel spill and pesticide application sites in New England.

<u>Parameter *</u>	<u>CAS Number</u>	<u>Believed Absent</u>	<u>Believed Present</u>	<u># of Samples</u>	<u>Sample Type (e.g., grab)</u>	<u>Analytical Method Used (method #)</u>	<u>Minimum Level (ML) of Test Method</u>	<u>Maximum daily value</u>		<u>Average daily value</u>	
								<u>concentration (ug/l)</u>	<u>mass (kg)</u>	<u>concentration (ug/l)</u>	<u>mass (kg)</u>
13. tert-Amyl Methyl Ether (TAME)	9940508										
14. Naphthalene	91203										
15. Carbon Tetrachloride	56235										
16. 1,2 Dichlorobenzene (o-DCB)	95501										
17. 1,3 Dichlorobenzene (m-DCB)	541731										
18. 1,4 Dichlorobenzene (p-DCB)	106467										
18a. Total dichlorobenzene											
19. 1,1 Dichloroethane (DCA)	75343										
20. 1,2 Dichloroethane (DCA)	107062										
21. 1,1 Dichloroethene (DCE)	75354										
22. cis-1,2 Dichloroethene (DCE)	156592										
23. Methylene Chloride	75092										
24. Tetrachloroethene (PCE)	127184										
25. 1,1,1 Trichloro-ethane (TCA)	71556										
26. 1,1,2 Trichloro-ethane (TCA)	79005										
27. Trichloroethene (TCE)	79016										

<u>Parameter *</u>	<u>CAS Number</u>	<u>Believed Absent</u>	<u>Believed Present</u>	<u># of Samples</u>	<u>Sample Type (e.g., grab)</u>	<u>Analytical Method Used (method #)</u>	<u>Minimum Level (ML) of Test Method</u>	<u>Maximum daily value</u>		<u>Average daily value</u>	
								<u>concentration (ug/l)</u>	<u>mass (kg)</u>	<u>concentration (ug/l)</u>	<u>mass (kg)</u>
28. Vinyl Chloride (Chloroethene)	75014										
29. Acetone	67641										
30. 1,4 Dioxane	123911										
31. Total Phenols	108952										
32. Pentachlorophenol (PCP)	87865										
33. Total Phthalates (Phthalate esters) ⁴											
34. Bis (2-Ethylhexyl) Phthalate [Di- (ethylhexyl) Phthalate]	117817										
35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)											
a. Benzo(a) Anthracene	56553										
b. Benzo(a) Pyrene	50328										
c. Benzo(b)Fluoranthene	205992										
d. Benzo(k)Fluoranthene	207089										
e. Chrysene	21801										
f. Dibenzo(a,h)anthracene	53703										
g. Indeno(1,2,3-cd) Pyrene	193395										
36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)											

⁴The sum of individual phthalate compounds.

<u>Parameter *</u>	<u>CAS Number</u>	<u>Believed Absent</u>	<u>Believed Present</u>	<u># of Samples</u>	<u>Sample Type (e.g., grab)</u>	<u>Analytical Method Used (method #)</u>	<u>Minimum Level (ML) of Test Method</u>	<u>Maximum daily value</u>		<u>Average daily value</u>	
								<u>concentration (ug/l)</u>	<u>mass (kg)</u>	<u>concentration (ug/l)</u>	<u>mass (kg)</u>
h. Acenaphthene	83329										
i. Acenaphthylene	208968										
j. Anthracene	120127										
k. Benzo(ghi) Perylene	191242										
l. Fluoranthene	206440										
m. Fluorene	86737										
n. Naphthalene	91203										
o. Phenanthrene	85018										
p. Pyrene	129000										
37. Total Polychlorinated Biphenyls (PCBs)	85687; 84742; 117840; 84662; 131113; 117817.										
38. Chloride	16887006										
39. Antimony	7440360										
40. Arsenic	7440382										
41. Cadmium	7440439										
42. Chromium III (trivalent)	16065831										
43. Chromium VI (hexavalent)	18540299										
44. Copper	7440508										
45. Lead	7439921										
46. Mercury	7439976										
47. Nickel	7440020										
48. Selenium	7782492										
49. Silver	7440224										
50. Zinc	7440666										
51. Iron	7439896										
Other (describe):											

<u>Parameter *</u>	<u>CAS Number</u>	<u>Believed Absent</u>	<u>Believed Present</u>	<u># of Samples</u>	<u>Sample Type (e.g., grab)</u>	<u>Analytical Method Used (method #)</u>	<u>Minimum Level (ML) of Test Method</u>	<u>Maximum daily value</u>		<u>Average daily value</u>	
								<u>concentration (ug/l)</u>	<u>mass (kg)</u>	<u>concentration (ug/l)</u>	<u>mass (kg)</u>

b) For discharges where **metals** are believed present, please fill out the following (attach results of any calculations):

<i>Step 1:</i> Do any of the metals in the influent exceed the effluent limits in Appendix III (i.e., the limits set at zero dilution)? Y_____ N_____	If yes, which metals?
<i>Step 2:</i> For any metals which exceed the Appendix III limits, calculate the dilution factor (DF) using the formula in Part I.A.3.c (step 2) of the NOI instructions or as determined by the State prior to the submission of this NOI. What is the dilution factor for applicable metals? Metal:_____ DF:_____ Metal:_____ DF:_____ Metal:_____ DF:_____ Metal:_____ DF:_____ Etc.	Look up the limit calculated at the corresponding dilution factor in Appendix IV. Do any of the metals in the influent have the potential to exceed the corresponding effluent limits in Appendix IV (i.e., is the influent concentration above the limit set at the calculated dilution factor)? Y_____ N_____ If Y, list which metals:

4. Treatment system information. Please describe the treatment system using separate sheets as necessary, including:

a) A description of the treatment system, including a schematic of the proposed or existing treatment system:

b) Identify each applicable treatment unit (check all that apply):	Frac. tank	Air stripper	Oil/water separator	Equalization tanks	Bag filter	GAC filter
	Chlorination	De-chlorination	Other (please describe):			

c) Proposed **average** and **maximum flow rates** (gallons per minute) for the discharge and the **design flow rate(s)** (gallons per minute) of the treatment system:

Average flow rate of discharge _____ gpm Maximum flow rate of treatment system _____ gpm

Design flow rate of treatment system _____ gpm

d) A description of chemical additives being used or planned to be used (attach MSDS sheets):

5. Receiving surface water(s). Please provide information about the receiving water(s), using separate sheets as necessary:

a) Identify the discharge pathway:	Direct to receiving water _____	Within facility (sewer) _____	Storm drain _____	Wetlands _____	Other (describe): _____
b) Provide a narrative description of the discharge pathway, including the name(s) of the receiving waters:					
c) Attach a detailed map(s) indicating the site location and location of the outfall to the receiving water: 1. For multiple discharges, number the discharges sequentially. 2. For indirect dischargers, indicate the location of the discharge to the indirect conveyance and the discharge to surface water The map should also include the location and distance to the nearest sanitary sewer as well as the locus of nearby sensitive receptors (based on USGS topographical mapping), such as surface waters, drinking water supplies, and wetland areas.					
d) Provide the state water quality classification of the receiving water _____					
e) Provide the reported or calculated seven day-ten year low flow (7Q10) of the receiving water _____ cfs Please attach any calculation sheets used to support stream flow and dilution calculations.					
f) Is the receiving water a listed 303(d) water quality impaired or limited water? Y____ N____ If yes, for which pollutant(s)? _____					
Is there a final TMDL? Y____ N____ If yes, for which pollutant(s)? _____					

6. ESA and NHPA Eligibility.

Please provide the following information according to requirements of Permit Parts I.A.4 and I.A.5 Appendices II and VII.

- a) Using the instructions in Appendix VII and information on Appendix II, under which criterion listed in Part I.C are you eligible for coverage under this general permit?
A ____ B ____ C ____ D ____ E ____ F ____
- b) If you selected Criterion D or F, has consultation with the federal services been completed? Y ____ N ____ Underway ____
- c) If consultation with U.S. Fish and Wildlife Service and/or NOAA Fisheries Service was completed, was a written concurrence finding that the discharge is “not likely to adversely affect” listed species or critical habitat received? Y ____ N ____
- d) Attach documentation of ESA eligibility as described in the NOI instructions and required by Appendix VII, Part I.C, Step 4.
- e) Using the instructions in Appendix VII, under which criterion listed in Part II.C are you eligible for coverage under this general permit?
1 ____ 2 ____ 3 ____
- f) If Criterion 3 was selected, attach all written correspondence with the State or Tribal historic preservation officers, including any terms and conditions that outline measures the applicant must follow to mitigate or prevent adverse effects due to activities regulated by the RGP.

7. Supplemental information.

Please provide any supplemental information. Attach any analytical data used to support the application. Attach any certification(s) required by the general permit.

Attachment 1: EPA RGP Notice of Intent Form
Attachment 2: Federally Listed Endangered and Threatened Species in Massachusetts
Attachment 3: MACRIS Database Results
Attachment 4: Laboratory Analytical Results
Attachment 5: MassDEP Transmittal Form for Permit Application and Payment

Figures:

Figure 1 Site Locus Map
Figure 2 Site Plan
Figure 3 Storm Drain Outfall Location
Figure 4 Process Flow Diagram
Figure 5 NHESP Map

8. Signature Requirements: The Notice of Intent must be signed by the operator in accordance with the signatory requirements of 40 CFR Section 122.22, including the following certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I certify that I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Facility/Site Name:	NSTAR Electric Company d/b/a Eversource Energy - Station 282		
Operator signature:			
Printed Name & Title:	Michael J. Zylich, Senior Environmental Engineer		
Date:	05/08/2015		

ATTACHMENT 2

FEDERALLY LISTED ENDANGERED AND THREATENED SPECIES IN
MASSACHUSETTS

**FEDERALLY LISTED ENDANGERED AND THREATENED SPECIES
IN MASSACHUSETTS**

COUNTY	SPECIES	FEDERAL STATUS	GENERAL LOCATION/HABITAT	TOWNS
Barnstable	Piping Plover	Threatened	Coastal Beaches	All Towns
	Roseate Tern	Endangered	Coastal beaches and the Atlantic Ocean	All Towns
	Northeastern beach tiger beetle	Threatened	Coastal Beaches	Chatham
	Sandplain gerardia	Endangered	Open areas with sandy soils.	Sandwich and Falmouth.
	Northern Red-bellied Cooter	Endangered	Inland Ponds and Rivers	Bourne (north of the Cape Cod Canal)
	Red Knot ¹	Threatened	Coastal Beaches and Rocky Shores, sand and mud flats	Coastal Towns
	Northern Long-eared Bat	Proposed Endangered	Winter- mines and caves, Summer – wide variety of forested habitats	Statewide
Berkshire	Bog Turtle	Threatened	Wetlands	Egremont and Sheffield
	Northern Long-eared Bat	Proposed Endangered	Winter- mines and caves, Summer – wide variety of forested habitats	Statewide
Bristol	Piping Plover	Threatened	Coastal Beaches	Fairhaven, Dartmouth, Westport
	Roseate Tern	Endangered	Coastal beaches and the Atlantic Ocean	Fairhaven, New Bedford, Dartmouth, Westport
	Northern Red-bellied Cooter	Endangered	Inland Ponds and Rivers	Taunton
	Red Knot ¹	Threatened	Coastal Beaches and Rocky Shores, sand and mud flats	Coastal Towns
	Northern Long-eared Bat	Proposed Endangered	Winter- mines and caves, Summer – wide variety of forested habitats	Statewide
Dukes	Roseate Tern	Endangered	Coastal beaches and the Atlantic Ocean	All Towns
	Piping Plover	Threatened	Coastal Beaches	All Towns
	Northeastern beach tiger beetle	Threatened	Coastal Beaches	Aquinnah and Chilmark
	Sandplain gerardia	Endangered	Open areas with sandy soils.	West Tisbury
	Red Knot ¹	Threatened	Coastal Beaches and Rocky Shores, sand and mud flats	Coastal Towns
	Northern Long-eared Bat	Proposed Endangered	Winter- mines and caves, Summer – wide variety of forested habitats	Statewide

Updated 01/09/2015

**FEDERALLY LISTED ENDANGERED AND THREATENED SPECIES
IN MASSACHUSETTS**

COUNTY	SPECIES	FEDERAL STATUS	GENERAL LOCATION/HABITAT	TOWNS
Essex	Small whorled Pogonia	Threatened	Forests with somewhat poorly drained soils and/or a seasonally high water table	Gloucester, Essex and Manchester
	Piping Plover	Threatened	Coastal Beaches	Gloucester, Essex, Ipswich, Rowley, Revere, Newbury, Newburyport and Salisbury
	Red Knot ¹	Threatened	Coastal Beaches and Rocky Shores, sand and mud flats	Coastal Towns
	Northern Long-eared Bat	Proposed Endangered	Winter- mines and caves, Summer – wide variety of forested habitats	Statewide
Franklin	Northeastern bulrush	Endangered	Wetlands	Montague, Warwick
	Dwarf wedgemussel	Endangered	Mill River	Whately
	Northern Long-eared Bat	Proposed Endangered	Winter- mines and caves, Summer – wide variety of forested habitats	Statewide
Hampshire	Small whorled Pogonia	Threatened	Forests with somewhat poorly drained soils and/or a seasonally high water table	Hadley
	Puritan tiger beetle	Threatened	Sandy beaches along the Connecticut River	Northampton and Hadley
	Dwarf wedgemussel	Endangered	Rivers and Streams.	Hatfield, Amherst and Northampton
	Northern Long-eared Bat	Proposed Endangered	Winter- mines and caves, Summer – wide variety of forested habitats	Statewide
Hampden	Small whorled Pogonia	Threatened	Forests with somewhat poorly drained soils and/or a seasonally high water table	Southwick
	Northern Long-eared Bat	Proposed Endangered	Winter- mines and caves, Summer – wide variety of forested habitats	Statewide
Middlesex	Small whorled Pogonia	Threatened	Forests with somewhat poorly drained soils and/or a seasonally high water table	Groton
	Northern Long-eared Bat	Proposed Endangered	Winter- mines and caves, Summer – wide variety of forested habitats	Statewide
Nantucket	Piping Plover	Threatened	Coastal Beaches	Nantucket
	Roseate Tern	Endangered	Coastal beaches and the Atlantic Ocean	Nantucket
	American burying beetle	Endangered	Upland grassy meadows	Nantucket
	Red Knot ¹	Threatened	Coastal Beaches and Rocky Shores, sand and mud flats	Coastal Towns
	Northern Long-eared Bat	Proposed Endangered	Winter- mines and caves, Summer – wide variety of forested habitats	Statewide

FEDERALLY LISTED ENDANGERED AND THREATENED SPECIES IN MASSACHUSETTS

COUNTY	SPECIES	FEDERAL STATUS	GENERAL LOCATION/HABITAT	TOWNS
Plymouth	Piping Plover	Threatened	Coastal Beaches	Scituate, Marshfield, Duxbury, Plymouth, Wareham and Mattapoisett
	Northern Red-bellied Cooter	Endangered	Inland Ponds and Rivers	Kingston, Middleborough, Carver, Plymouth, Bourne, Wareham, Halifax, and Pembroke
	Roseate Tern	Endangered	Coastal beaches and the Atlantic Ocean	Plymouth, Marion, Wareham, and Mattapoisett.
	Red Knot ¹	Threatened	Coastal Beaches and Rocky Shores, sand and mud flats	Coastal Towns
	Northern Long-eared Bat	Proposed Endangered	Winter- mines and caves, Summer – wide variety of forested habitats	Statewide
Suffolk	Piping Plover	Threatened	Coastal Beaches	Revere, Winthrop
	Red Knot ¹	Threatened	Coastal Beaches and Rocky Shores, sand and mud flats	Coastal Towns
	Northern Long-eared Bat	Proposed Endangered	Winter- mines and caves, Summer – wide variety of forested habitats	Statewide
Worcester	Small whorled Pogonia	Threatened	Forests with somewhat poorly drained soils and/or a seasonally high water table	Leominster
	Northern Long-eared Bat	Proposed Endangered	Winter- mines and caves, Summer – wide variety of forested habitats	Statewide

¹Migratory only, scattered along the coast in small numbers

-Eastern cougar and gray wolf are considered extirpated in Massachusetts.

-Endangered gray wolves are not known to be present in Massachusetts, but dispersing individuals from source populations in Canada may occur statewide.

-Critical habitat for the Northern Red-bellied Cooter is present in Plymouth County.

ATTACHMENT 3

MACRIS DATABASE RESULTS

Massachusetts Cultural Resource Information System

MACRIS

MACRIS Search Results

Search Criteria: Town(s): Waltham; Street Name: Main; Resource Type(s): Area, Building, Burial Ground, Object, Structure;

Inv. No.	Property Name	Street	Town	Year
WLT.905	Banks, Nathaniel P. Statue	Main St	Waltham	1908
WLT.907	Waltham Soldier's Monument	Main St	Waltham	1866
WLT.908	Waltham Town Common	Main St	Waltham	1813
WLT.909	Hiker, The	Main St	Waltham	1928
WLT.910	Waltham Centennial Memorial	Main St	Waltham	1984
WLT.930	Main Street Bridge over Route 128	Main St	Waltham	1960
WLT.947	Waltham Revolutionary War Marker	Main St	Waltham	1930
WLT.965	Main Street - Route 20 Bridge over B&M Railroad	Main St	Waltham	1936
WLT.531	Bowker, Francis House	147R Main St	Waltham	r 1880
WLT.533		158 Main St	Waltham	c 1890
WLT.532		162 Main St	Waltham	c 1890
WLT.86	Stark, Robert M. House	176 Main St	Waltham	c 1890
WLT.717	Brigham House	235 Main St	Waltham	c 1893
WLT.800	Grove Hill Cemetery	290 Main St	Waltham	1703
WLT.1050	Phipps, Luther House	403-405 Main St	Waltham	1908
WLT.190	Hager - Mead House	411 Main St	Waltham	c 1795
WLT.171	Chamberlain, George W. House	418 Main St	Waltham	c 1850
WLT.1051	Dubois, Agnes House	423 Main St	Waltham	1915
WLT.1052	Eicher, Robert - Abbott, Dr. Lucy House	427 Main St	Waltham	1908
WLT.170	Blanchard, Francis House	428 Main St	Waltham	c 1850
WLT.1053	Marshall, Dr. Robert House	429 Main St	Waltham	1927
WLT.169	Reed, Lyman House	436 Main St	Waltham	c 1844
WLT.168	Nutting, Charles P. House	446 Main St	Waltham	c 1900
WLT.1054	Weeks, Delmont House	451 Main St	Waltham	c 1888
WLT.1055	Craven Apartments	459-461 Main St	Waltham	1916
WLT.156		462 Main St	Waltham	r 1890

Inv. No.	Property Name	Street	Town	Year
WLT.520	Hill, Thomas Elementary School	494 Main St	Waltham	1887
WLT.137	Boston Post Road Inn	500 Main St	Waltham	c 1840
WLT.136	Frost House	504-506 Main St	Waltham	c 1860
WLT.1012	Wilson's Diner	507 Main St	Waltham	1949
WLT.232	Warren, Dr. Royal S. House	519 Main St	Waltham	c 1851
WLT.637	Hovey, Hamblin L. Memorial Institute	545 Main St	Waltham	1932
WLT.129	Hastings, Josiah House	552 Main St	Waltham	1846
WLT.1056	Jackson, Elizabeth House	556-558 Main St	Waltham	1884
WLT.1057	Willis, Charles Triple-Decker	562-568 Main St	Waltham	1911
WLT.473	Jenney Service Station	569 Main St	Waltham	1926
WLT.1058	Waltham Wallpaper Company	591-593 Main St	Waltham	1936
WLT.127	Buttrick Building	600 Main St	Waltham	1902
WLT.1059	Wooley, Charles - Williams, Daniel Store	601 Main St	Waltham	c 1870
WLT.474	Foppiano Building	605-607 Main St	Waltham	c 1906
WLT.218	Emerson Block	609-613 Main St	Waltham	c 1832
WLT.493	Waltham City Hall	610 Main St	Waltham	1924
WLT.219	Miller Block - Central Block - Waltham Hotel	627 Main St	Waltham	1856
WLT.220	Collins Block	633 Main St	Waltham	1903
WLT.214	Waltham National Bank	637 Main St	Waltham	1888
WLT.665	Curtis Building	649 Main St	Waltham	c 1930
WLT.664	Flynn - Curtin Building	651-657 Main St	Waltham	1927
WLT.215	Whitford Block - Flynn Building	653 Main St	Waltham	1877
WLT.668	Eagle - Mansfield Building	665-675 Main St	Waltham	1854
WLT.213	Lawrence Block	677-685 Main St	Waltham	1900
WLT.193	Maynard - Masonic Block	690-700 Main St	Waltham	c 1892
WLT.489	Waltham Savings Bank	702 Main St	Waltham	c 1902
WLT.484	Levison. David Building	711-717 Main St	Waltham	1929
WLT.485	Knights of Columbus Building	719-723 Main St	Waltham	c 1872
WLT.192	First Congregational Church	730 Main St	Waltham	1871
WLT.1060	Smart, Ernest E. Building	738-744 Main St	Waltham	1925
WLT.487	Buttrick, Francis Library - Waltham Public Library	741 Main St	Waltham	1915
WLT.1061	Donehue, J. House	749 Main St	Waltham	c 1863
WLT.191	Christ Episcopal Church and Parish House	750 Main St	Waltham	1898
WLT.1062	Kitteridge, Dr. Theodore House	755R Main St	Waltham	c 1830
WLT.1063	Waltham Training School for Nurses	760 Main St	Waltham	1898
WLT.716	U. S. Post Office - Waltham Main Branch	774 Main St	Waltham	1935
WLT.1064	Luce, Enos T. House and Store	841-845 Main St	Waltham	1884
WLT.1065	Cincotta Block	847-849 Main St	Waltham	1925

Inv. No.	Property Name	Street	Town	Year
WLT.1066	Cincotta, Antonio Building	851-857 Main St	Waltham	1921
WLT.1067	Woolworth, F. W. Store	877-879 Main St	Waltham	1929
WLT.1068	Russo, Felix Block	881-891 Main St	Waltham	1911
WLT.1069	Beattie, J. H. Block	888-1892 Main St	Waltham	1940
WLT.1070	Beattie Market	894-896 Main St	Waltham	1929
WLT.1071	Lee Block	905-907 Main St	Waltham	1913
WLT.1072	Wittier House - Blackstone Block	912-914 Main St	Waltham	1895
WLT.1073	Weiner, Hyman Building	919-923 Main St	Waltham	1927
WLT.249	Gale - Banks House	935 Main St	Waltham	1798
WLT.454	Banks, Nathaniel P. Elementary School	948 Main St	Waltham	1920

Massachusetts Cultural Resource Information System

MACRIS

MACRIS Search Results

Search Criteria: Town(s): Waltham; Resource Type(s): Area, Building, Burial Ground, Object, Structure;

Inv. No.	Property Name	Street	Town	Year
WLT.A	Piety Corner North		Waltham	
WLT.B	Piety Corner South		Waltham	
WLT.C	Chauncy Hall Chapel Hill School		Waltham	
WLT.D	Highlands		Waltham	
WLT.E	Warren Estate		Waltham	
WLT.F	Lexington Terrace		Waltham	
WLT.H	Lyman Street		Waltham	
WLT.I	Ellison Park		Waltham	
WLT.J	Lexington Street Municipal		Waltham	
WLT.K	Church - School Streets		Waltham	
WLT.L	Felton - Charles Street		Waltham	
WLT.M	Waltham Common		Waltham	
WLT.N	Central - Appleton - Cross - Heard Streets		Waltham	
WLT.O	Newton Street		Waltham	
WLT.P	Townsend - Barton - Main Streets		Waltham	
WLT.Q	Boston Manufacturing Company Housing		Waltham	
WLT.R	Lafayette - Main Streets		Waltham	
WLT.S	Chemistry North Industrial		Waltham	
WLT.T	Waltham Watch Factory Neighborhood		Waltham	
WLT.U	Moody Street		Waltham	
WLT.V	Bleachery Residential Late		Waltham	
WLT.W	Bleachery Residential Early		Waltham	
WLT.X	High Street South		Waltham	
WLT.Y	Island, The		Waltham	
WLT.Z	Water Works		Waltham	
WLT.AA	Bowker Estate		Waltham	
WLT.AB	Fernald, Walter E. State School		Waltham	

Inv. No.	Property Name	Street	Town	Year
wlt.ac	Metropolitan State Hospital		Waltham	
WLT.AD	American Waltham Watch Company Historic District		Waltham	
WLT.AE	Central Square Historic District		Waltham	
WLT.AF	East Main Street Historic District		Waltham	
WLT.AG	Lawton Place Historic District		Waltham	
WLT.AH	Lyman Street Historic District		Waltham	
WLT.AI	Moody Street Historic District		Waltham	
WLT.AJ	North Lexington Street Historic District		Waltham	
WLT.AK	Piety Corner Historic District		Waltham	
WLT.AL	Waltham Gas Light Company Historic District		Waltham	
WLT.AM	Saint Mary's Roman Catholic Church Complex		Waltham	
WLT.AN	Charles Street Workers' Housing Historic District		Waltham	
WLT.AO	Boston Manufacturing Company Historic District		Waltham	
WLT.AP	Waltham Multiple Resource Area		Waltham	
WLT.AQ	River Streetscape		Waltham	
WLT.AR	Orange Streetscape		Waltham	
WLT.AS	Alder Streetscape		Waltham	
WLT.AT	Brown Streetscape		Waltham	
WLT.AU	Robbins Place Streetscape		Waltham	
WLT.AV	Parker's Lane Boston Manufacturing Company Housing		Waltham	
WLT.AW	Waverley Oaks - Beaver Brook Reservation		Waltham	
WLT.AX	Town Piece		Waltham	
WLT.AY	Massachusetts State Hospitals and State Schools		Waltham	
WLT.AZ	Gore Place Mansion and Carriage House		Waltham	
WLT.BA	Gore Place		Waltham	
WLT.BB	Vale, The		Waltham	
WLT.BC	Diners of Massachusetts		Waltham	
WLT.BD	Ellison Park II		Waltham	
WLT.558	Oxford, The	4 Adams St	Waltham	1897
WLT.633		20-22 Adams St	Waltham	1892
WLT.34	Whitney Hotel, The	42 Adams St	Waltham	c 1870
WLT.33		46-48 Adams St	Waltham	1800
WLT.47		67 Adams St	Waltham	r 1845
WLT.56		68 Adams St	Waltham	r 1845
WLT.48		79 Adams St	Waltham	c 1850
WLT.44		87-89 Adams St	Waltham	r 1860

Inv. No.	Property Name	Street	Town	Year
WLT.575	Adams House - Waltham Watch Company Boarding House	94 Adams St	Waltham	r 1865
WLT.543	Baker, Charles House	107 Adams St	Waltham	1874
WLT.649	Baker, Charles Property	119-121 Adams St	Waltham	1881
WLT.609	Martin, Aaron House	188-190 Adams St	Waltham	r 1890
WLT.610	Martin, Aaron House	192-194 Adams St	Waltham	r 1890
WLT.79	Dow, Lenoir House	215 Adams St	Waltham	1888
WLT.658		33A Alder St	Waltham	r 1888
WLT.659		33B Alder St	Waltham	r 1888
WLT.65	Waltham First Presbyterian Church	34 Alder St	Waltham	1898
WLT.660		42A Alder St	Waltham	r 1888
WLT.661		42B Alder St	Waltham	r 1888
WLT.579		81 Alder St	Waltham	r 1888
WLT.132		2 Appleton St	Waltham	r 1890
WLT.131		12 Appleton St	Waltham	r 1890
WLT.130	Banks, E. Sybill House	27 Appleton St	Waltham	1892
WLT.544	Fitch, Ezra Elementary School	10 Ash St	Waltham	1932
WLT.51		21-23 Ash St	Waltham	r 1850
WLT.548		45-55 Ash St	Waltham	r 1880
WLT.68		142 Ash St	Waltham	r 1870
WLT.69		165 Ash St	Waltham	r 1880
WLT.20		184 Ash St	Waltham	r 1870
WLT.624	Randall - Stickney House	246 Ash St	Waltham	r 1903
WLT.625	Randall - Stickney Dial Gage Company	246R Ash St	Waltham	c 1896
WLT.256		32 Bacon St	Waltham	r 1840
WLT.255		36-38 Bacon St	Waltham	r 1845
WLT.254		48 Bacon St	Waltham	r 1845
WLT.451		62-64 Bacon St	Waltham	r 1880
WLT.413	Fiske Barn - Clement Lathe Works Inc. Building	74 Bacon St	Waltham	r 1860
WLT.412	Waltham Grinding Wheel Company Building	115 Bacon St	Waltham	c 1890
WLT.260		214 Bacon St	Waltham	r 1845
WLT.263		233 Bacon St	Waltham	r 1860
WLT.264		247 Bacon St	Waltham	r 1860
WLT.646	Laighton, William B. House	291 Bacon St	Waltham	c 1911
WLT.679		305 Bacon St	Waltham	c 1910
WLT.680		315 Bacon St	Waltham	c 1910
WLT.291	Piety Corner Nursing Home	325 Bacon St	Waltham	r 1890
WLT.267	Frost, George F. House	326 Bacon St	Waltham	r 1865

Inv. No.	Property Name	Street	Town	Year
WLT.681	Walker Stable	339 Bacon St	Waltham	c 1880
WLT.645	Rutter, Abby E. House	345 Bacon St	Waltham	c 1877
WLT.682		355 Bacon St	Waltham	c 1960
WLT.644	Octagon, The	364 Bacon St	Waltham	c 1875
WLT.683	Cutler Stable	369 Bacon St	Waltham	c 1890
WLT.518		9 Barton St	Waltham	
WLT.517		15 Barton St	Waltham	r 1915
WLT.173		21 Barton St	Waltham	r 1890
WLT.516		23-25 Barton St	Waltham	
WLT.174		29 Barton St	Waltham	r 1890
WLT.1013	Warrendale Elementary School	138 Beal Rd	Waltham	1948
WLT.439	Adams House	50 Bear Hill Rd	Waltham	r 1860
WLT.911	Beaver Brook Railroad Bridge	Beaver Brook	Waltham	1930
WLT.912	Beaver Brook - Clematis Brook Railroad Bridge	Beaver Brook	Waltham	1930
WLT.433	Beane House	83 Beaver St	Waltham	r 1870
WLT.434	Cushing, S. N. House	93 Beaver St	Waltham	c 1874
WLT.435	Lockwood Brackett Company - Moore, George W. Inc.	100 Beaver St	Waltham	1923
WLT.329	Warren, Samuel D. House	215 Beaver St	Waltham	c 1840
WLT.431	Warren, Samuel D. House	225-227 Beaver St	Waltham	
WLT.430	Massachusetts Agricultural College Field Station	240 Beaver St	Waltham	1925
WLT.333	Hammond, Ephraim House	265 Beaver St	Waltham	c 1775
WLT.396	Warren Estate	265 Beaver St	Waltham	
WLT.288	Hammond, Jonathan House	311 Beaver St	Waltham	1785
WLT.425	Lyman, Ronald House	500 Beaver St	Waltham	1905
WLT.290	Paine, Robert Treat Jr. House	577 Beaver St	Waltham	1866
WLT.287	Vale, The Farmhouse	600 Beaver St	Waltham	c 1800
WLT.297	Blanchard - Josselyn House	783 Beaver St	Waltham	c 1890
WLT.444		783 Beaver St	Waltham	
WLT.298	Clark, Jonas Jr. House	785 Beaver St	Waltham	1840
WLT.539	Wilder, R. S. Building	18-26 Bedford St	Waltham	1907
WLT.328	Bowden, Henry House	17 Bowker Rd	Waltham	1893
WLT.340	Albemarle Farm Dairy Barn	66 Brewster Rd	Waltham	c 1910
WLT.53		5-7 Brown St	Waltham	r 1845
WLT.54	Waltham Watch Factory Worker Housing	9-19 Brown St	Waltham	c 1858
WLT.547	Waltham Watch Factory Worker Housing	22-23 Brown St	Waltham	c 1858
WLT.62		66-68 Brown St	Waltham	r 1845
WLT.61	Emerson, Hester House	80-82 Brown St	Waltham	c 1886

Inv. No.	Property Name	Street	Town	Year
WLT.582		86-88 Brown St	Waltham	1884
WLT.581		92-94 Brown St	Waltham	1889
WLT.70		145 Brown St	Waltham	r 1890
WLT.71		147-149 Brown St	Waltham	r 1890
WLT.18		184 Brown St	Waltham	r 1890
WLT.17		218-220 Brown St	Waltham	r 1890
WLT.626		233-239 Brown St	Waltham	1911
WLT.385	Worcester, Benjamin Kitchen and Slave Quarters	14 Buxton Ln	Waltham	c 1853
WLT.1		104-106 Calvary St	Waltham	r 1845
WLT.6		141-143 Calvary St	Waltham	c 1845
WLT.2		142 Calvary St	Waltham	r 1845
WLT.596	Atlas Chemical Company	234 Calvary St	Waltham	1883
WLT.4		245 Calvary St	Waltham	r 1845
WLT.3		251 Calvary St	Waltham	1845
WLT.5		263 Calvary St	Waltham	r 1845
WLT.259		10 Caughey St	Waltham	r 1845
WLT.10		12 Cedar St	Waltham	c 1873
WLT.19	Donahue House	59 Cedar St	Waltham	r 1840
WLT.522		27 Central St	Waltham	r 1870
WLT.135	Olcott, John E. House	35-37 Central St	Waltham	c 1837
WLT.148	Swedish Congregational Church	40 Central St	Waltham	r 1890
WLT.496	Lawton, George House	54 Central St	Waltham	r 1840
WLT.146		66 Central St	Waltham	r 1840
WLT.145		70-72 Central St	Waltham	r 1830
WLT.144		78 Central St	Waltham	r 1830
WLT.143	Galgraith, John House	86 Central St	Waltham	r 1840
WLT.494		92 Central St	Waltham	r 1900
WLT.125	Wetherbee, Josiah House	93 Central St	Waltham	1836
WLT.142	Farnsworth, T. G. House	110-112 Central St	Waltham	r 1830
WLT.490	Haven, Luther - Connelly, Michael T. House	55-57 Charles St	Waltham	c 1848
WLT.491		59 Charles St	Waltham	r 1840
WLT.697	Cambell, Edward House	128-132 Charles St	Waltham	c 1865
WLT.698	Noonan, Patrick House	134 Charles St	Waltham	c 1865
WLT.699		140 Charles St	Waltham	c 1865
WLT.700		144 Charles St	Waltham	c 1865
WLT.461	Charles Street, 202-204	202-204 Charles St	Waltham	r 1905
WLT.460		212 Charles St	Waltham	c 1888
WLT.458	U. S. Watch Company - Howard Clock Products	256 Charles St	Waltham	1886

Inv. No.	Property Name	Street	Town	Year
WLT.50		21 Cherry St	Waltham	r 1870
WLT.545	Fuller - Bemis House	41-43 Cherry St	Waltham	r 1800
WLT.58		90 Cherry St	Waltham	r 1850
WLT.32	Carter, Nelson House	46 Chestnut St	Waltham	c 1850
WLT.564	Robbins, Royal Elementary School	58 Chestnut St	Waltham	1901
WLT.568	Nelson, Myra J. Bakery	100 Chestnut St	Waltham	r 1905
WLT.39		126 Chestnut St	Waltham	1892
WLT.25		152 Chestnut St	Waltham	c 1860
WLT.217	Cheney Block	6-10 Church St	Waltham	1886
WLT.476	Wires Building	14-22 Church St	Waltham	1930
WLT.225		15 Church St	Waltham	r 1860
WLT.227	Emerson House	21-23 Church St	Waltham	r 1840
WLT.211	Warren, Rufus House	62 Church St	Waltham	1873
WLT.209		80 Church St	Waltham	c 1850
WLT.208	Smith - Pope House	90 Church St	Waltham	r 1840
WLT.207		106 Church St	Waltham	r 1870
WLT.202	Hill, Rev. Thomas House	132 Church St	Waltham	1845
WLT.107	Jackson, Dr. James - Lowell, Francis Cabot House	45-51 Clark St	Waltham	c 1825
WLT.1015	Hobbs, Dr. Ebenezer, Jr. House	110 Clark St	Waltham	c 1820
WLT.266		88 Clarke Ln	Waltham	r 1845
WLT.919	Clematis Brook Railroad Bridge - Bridge 114	Clematis Brook	Waltham	1937
WLT.483	Buttrick, Francis House	26 Common St	Waltham	c 1850
WLT.212	Swasey, James House	30 Common St	Waltham	c 1846
WLT.486	French, Daniel School	38-40 Common St	Waltham	r 1840
WLT.504	Waltham Gas Light Company	2 Cooper St	Waltham	c 1852
WLT.28	Murray, Robert House	85 Crescent St	Waltham	r 1857
WLT.27	Hall, Henry C. House	107 Crescent St	Waltham	r 1870
WLT.31	Colburn, Gilbert House	110-112 Crescent St	Waltham	c 1870
WLT.542	Fisher, Henry N. House	120 Crescent St	Waltham	1877
WLT.41		131 Crescent St	Waltham	c 1850
WLT.40		137 Crescent St	Waltham	r 1890
WLT.42	American Watch Company Building	185 Crescent St	Waltham	1880
WLT.43	American Watch Company Building	185-241 Crescent St	Waltham	1854
WLT.76		285 Crescent St	Waltham	c 1850
WLT.77		291-293 Crescent St	Waltham	1881
WLT.611		331-333 Crescent St	Waltham	r 1890
WLT.612	Byam, Charles House	337 Crescent St	Waltham	r 1883

Inv. No.	Property Name	Street	Town	Year
WLT.613		343 Crescent St	Waltham	1889
WLT.614		349 Crescent St	Waltham	1884
WLT.615		353 Crescent St	Waltham	1889
WLT.78	Wetherbee, F. W. House	357 Crescent St	Waltham	1892
WLT.616		363 Crescent St	Waltham	r 1890
WLT.81		400 Crescent St	Waltham	r 1890
WLT.80		408 Crescent St	Waltham	r 1870
WLT.133		15 Cross St	Waltham	r 1840
WLT.134		21 Cross St	Waltham	r 1840
WLT.523		32-34 Cross St	Waltham	r 1870
WLT.367	Hardy House	30 Curve St	Waltham	r 1860
WLT.368		44 Curve St	Waltham	r 1900
WLT.38		20 Cushing St	Waltham	c 1850
WLT.389	American Knitting Company Building	267-269 Dale St	Waltham	c 1890
WLT.537		61 Dartmouth St	Waltham	r 1890
WLT.1016	Stankard, Walter House	10 Ellison Pk	Waltham	1923
WLT.1017	Blodgett, Arthur House	15 Ellison Pk	Waltham	1916
WLT.1018	Westwood, Frank J. House	18 Ellison Pk	Waltham	1919
WLT.187		27 Ellison Pk	Waltham	r 1890
WLT.1019	Barrows, George Houswe	27 Ellison Pk	Waltham	1906
WLT.1020	Danglemeyer, Theodore House	28 Ellison Pk	Waltham	1920
WLT.1021	Ulett, George House	30 Ellison Pk	Waltham	1920
WLT.186		35 Ellison Pk	Waltham	r 1890
WLT.1022	Berry, Alvin House	35 Ellison Pk	Waltham	1906
WLT.1023	Hewett, William House	40 Ellison Pk	Waltham	1924
WLT.1024	Bowlet, Edward House	41 Ellison Pk	Waltham	1922
WLT.1025	Kelly, James House	44 Ellison Pk	Waltham	1925
WLT.1026	Peterson, Howard House	47 Ellison Pk	Waltham	1923
WLT.1027	Hines, Francis House	53 Ellison Pk	Waltham	1922
WLT.1028	Lefevre, Jules House	55 Ellison Pk	Waltham	1919
WLT.1029	Eichler, Robert House	56 Ellison Pk	Waltham	1919
WLT.1030	Ayer, Elmore House	58 Ellison Pk	Waltham	1919
WLT.1031	Ryan, Patrick House	63 Ellison Pk	Waltham	1919
WLT.1032	Kindregen, Michael House	67 Ellison Pk	Waltham	1926
WLT.1033	Allen, Charles House	73 Ellison Pk	Waltham	1924
WLT.1034	Tibbetts, Frederick House	81 Ellison Pk	Waltham	1912
WLT.1035	Dwinell, Charles House	84 Ellison Pk	Waltham	1919
WLT.1036	Staples, Henry House	90 Ellison Pk	Waltham	1912

Inv. No.	Property Name	Street	Town	Year
WLT.1037	Coville, John House	91 Ellison Pk	Waltham	1912
WLT.1038	Gibbs, John House	104 Ellison Pk	Waltham	1925
WLT.1039	Beal, Henry House	110 Ellison Pk	Waltham	1931
WLT.1040	Vaughn, Benjamin House	115 Ellison Pk	Waltham	1927
WLT.1041	Sanderson, Robert House	122 Ellison Pk	Waltham	1913
WLT.1042	Taylor, Ernest House	123 Ellison Pk	Waltham	1912
WLT.1043	Farmer, Frank House	128 Ellison Pk	Waltham	1916
WLT.1044	Goldberg, Louis House	134 Ellison Pk	Waltham	1925
WLT.1045	Higgins, Joseph House	135 Ellison Pk	Waltham	1910
WLT.1046	Parker, William House	138 Ellison Pk	Waltham	1922
WLT.1098	Cloonan, Frank House	144 Ellison Pk	Waltham	1924
WLT.1047	Teele, Arthur House	147 Ellison Pk	Waltham	1911
WLT.667	Waltham and Maine Railroad Tower	Elm St	Waltham	1930
WLT.126	Music Hall	18 Elm St	Waltham	r 1880
WLT.512	Boston Manufacturing Company Stables	108 Elm St	Waltham	r 1890
WLT.22	American Watch Tool Company	169 Elm St	Waltham	1877
WLT.584	Hathaway Baking Company Building	180 Elm St	Waltham	1907
WLT.414	Waltham Highlands Station	Elson Rd	Waltham	c 1881
WLT.488	Waltham Town Hall - Waltham Grammar and High Sch	50-52 Exchange St	Waltham	c 1832
WLT.450	Flagg, Frederick House	65 Fairmont Ave	Waltham	1930
WLT.178		20 Faneuil Rd	Waltham	c 1830
WLT.403	Plympton Elementary School	20 Farnsworth St	Waltham	1895
WLT.921	Farwell Street Bridge	Farwell St	Waltham	1935
WLT.492	Boston Manufacturing Company Agent's House	13-15 Felton St	Waltham	c 1820
WLT.498	Swift and Armour Meat Storehouse	20 Felton St	Waltham	r 1890
WLT.497	Barnes, Gillum Lumber Yard - Waltham Iron Foundry	56 Felton St	Waltham	c 1851
WLT.1014	Buttrick, Frederick Streamsaw and Planing Mill	58 Felton St	Waltham	c 1851
WLT.467	Waltham Water Works Shop	92 Felton St	Waltham	1894
WLT.464		99 Felton St	Waltham	r 1920
WLT.466	Hobbs Machine Shop - Superior Corum dun Wheel Co	100-102 Felton St	Waltham	1871
WLT.465	Block, The	120 Felton St	Waltham	r 1920
WLT.462	Pagliazzo Building	123 Felton St	Waltham	r 1915
WLT.463		139 Felton St	Waltham	r 1920
WLT.536	Parmenter and Walker Crayon Company Building	94 Fiske Ave	Waltham	r 1886
WLT.629		21 Fuller St	Waltham	1902

Inv. No.	Property Name	Street	Town	Year
WLT.390	Worcester, Thomas II House	105 Galen St	Waltham	1929
WLT.226		1-2 Gibbs Ct	Waltham	r 1840
WLT.90	Gore Place	52 Gore St	Waltham	1806
WLT.1009	Gore Place Carriage House	52 Gore St	Waltham	1793
WLT.258	Blood - Munster House and Bakery	57 Grant St	Waltham	1870
WLT.386		25 Greenwood Ln	Waltham	1887
WLT.387		47 Greenwood Ln	Waltham	r 1900
WLT.388	Greenwood House	108 Greenwood Ln	Waltham	r 1880
WLT.88		131 Grove St	Waltham	r 1845
WLT.124		209 Grove St	Waltham	r 1870
WLT.109	Bright, Jonathan Elementary School	280 Grove St	Waltham	1887
WLT.119		319 Grove St	Waltham	r 1845
WLT.567	Saint Charles Borromeo Church	Hall St	Waltham	r 1920
WLT.250	Prospect House	11 Hammond St	Waltham	1839
WLT.452	Beaudoin, Gerry Music Studios	12-14 Hammond St	Waltham	r 1850
WLT.251		17 Hammond St	Waltham	c 1890
WLT.252		19 Hammond St	Waltham	r 1875
WLT.410		150 Hammond St	Waltham	r 1890
WLT.262	Lord's Castle	211 Hammond St	Waltham	1886
WLT.181	Hyde, Anne T. House	33 Harris St	Waltham	r 1905
WLT.179		40 Harris St	Waltham	r 1890
WLT.180		48 Harris St	Waltham	r 1890
WLT.182	Gibbs, Joseph Field House	51 Harris St	Waltham	c 1900
WLT.194	Buttrick, Francis House	44 Harvard St	Waltham	c 1852
WLT.456	Flagg Brothers Carriage Shop	57 Harvard St	Waltham	1873
WLT.128		18 Hastings Ave	Waltham	r 1845
WLT.521		23 Heard St	Waltham	
WLT.138	Holbrook, Richard House	29-31 Heard St	Waltham	1844
WLT.139		33 Heard St	Waltham	r 1840
WLT.13		66 High St	Waltham	r 1880
WLT.577		117-123 High St	Waltham	1890
WLT.589	Waltham Machine Works Machine Shop	140 High St	Waltham	1898
WLT.590	American Waltham Manufacturing Company	157 High St	Waltham	c 1895
WLT.507		1-2 Jackson Pl	Waltham	c 1820
WLT.508		3-4 Jackson Pl	Waltham	c 1820
WLT.509		5-6 Jackson Pl	Waltham	c 1820
WLT.510		7-8 Jackson Pl	Waltham	c 1820
WLT.946	B & M RR Fitchburg Main Line Bridge #9.64	Jackson St	Waltham	1934

Inv. No.	Property Name	Street	Town	Year
WLT.401		34 Jennings Rd	Waltham	
WLT.7		6 John St	Waltham	r 1845
WLT.8		14 John St	Waltham	r 1845
WLT.89		14 Lafayette St	Waltham	c 1900
WLT.87		15-17 Lafayette St	Waltham	r 1890
WLT.534		24 Lafayette St	Waltham	c 1890
WLT.351	Hardy Elementary School	51 Lake St	Waltham	c 1923
WLT.323	Hardy, Nahum House	65-67 Lake St	Waltham	r 1845
WLT.355	Lakeview High Service Pumping Station	106 Lake St	Waltham	1927
WLT.322	Harvard College Farm - Hardy, Nahum House	130 Lake St	Waltham	c 1788
WLT.411		41 Lawrence St	Waltham	r 1905
WLT.409		67 Lawrence St	Waltham	r 1890
WLT.669	Boston Manufacturing Company Worker Housing	1-3 Lawton Pl	Waltham	c 1817
WLT.149	Boston Manufacturing Company Housing	2-24 Lawton Pl	Waltham	r 1890
WLT.524	Boston Manufacturing Company Worker Housing	5-7 Lawton Pl	Waltham	c 1820
WLT.670	Boston Manufacturing Company Worker Housing	9-11 Lawton Pl	Waltham	c 1817
WLT.481	Metropolitan District Commission Pumping Station	20-24 Lexington St	Waltham	r 1910
WLT.221	Waltham Fire Station	23 Lexington St	Waltham	1887
WLT.482	City Brass Foundry	24R Lexington St	Waltham	r 1900
WLT.478	Waltham Police Station	25 Lexington St	Waltham	1890
WLT.420	American Knitting Company - Ames, B. C. Company	131 Lexington St	Waltham	c 1908
WLT.421	Ames, B. C. Company Building	135 Lexington St	Waltham	1909
WLT.296	Whitney, Charles A. House	306 Lexington St	Waltham	c 1903
WLT.295	Hoar, Sherman House	326 Lexington St	Waltham	1888
WLT.299	New Church Institute of Education Cottage	327 Lexington St	Waltham	1864
WLT.300	New Church Institute of Education Schoolhouse	327 Lexington St	Waltham	1864
WLT.392	New Church Institute of Education - North Hall	327 Lexington St	Waltham	1904
WLT.393	New Church Institute of Education - Library	327 Lexington St	Waltham	
WLT.394	New Church Institute of Education - South Hall	327 Lexington St	Waltham	1903
WLT.686	New Church Institute of Education Storage Building	327 Lexington St	Waltham	c 1950
WLT.688	New Church Institute of Education Student Center	327 Lexington St	Waltham	c 1987
WLT.689	New Church Institute of Education House	327 Lexington St	Waltham	c 1950
WLT.906		327 Lexington St	Waltham	
WLT.294	Clement, Murray House	336 Lexington St	Waltham	c 1902
WLT.293	Clark, Calvin House	348 Lexington St	Waltham	1864

Inv. No.	Property Name	Street	Town	Year
WLT.684		360 Lexington St	Waltham	1952
WLT.292	Hobart, Nathan House	362-364 Lexington St	Waltham	c 1890
WLT.301	New Jerusalem Chapel	379 Lexington St	Waltham	1860
WLT.308	Sanderson, Abner - Bemis, Lewis House	380 Lexington St	Waltham	c 1820
WLT.302	Baird, Charles House	395 Lexington St	Waltham	1891
WLT.307	Childs, William P. House	396 Lexington St	Waltham	1875
WLT.304	Clark, Jonas Farmhouse	399 Lexington St	Waltham	1825
WLT.691		401 Lexington St	Waltham	1955
WLT.303	Conary, Hoyt L. House	409 Lexington St	Waltham	r 1913
WLT.306	Johnson, Newell House	428 Lexington St	Waltham	c 1880
WLT.395		439 Lexington St	Waltham	r 1890
WLT.369	Armstrong, Elias B. House	508 Lexington St	Waltham	1865
WLT.642	Childs, Arthur G. House	520 Lexington St	Waltham	1901
WLT.678	Childs Dairy Barn	526 Lexington St	Waltham	c 1911
WLT.366	Childs, William Garland House	528 Lexington St	Waltham	1873
WLT.365	Childs, William B. House	536 Lexington St	Waltham	c 1904
WLT.318	Clark, William H. House	554 Lexington St	Waltham	r 1890
WLT.319	Sanderson, John House	562 Lexington St	Waltham	1826
WLT.371		595 Lexington St	Waltham	r 1890
WLT.332	Childs, Leanord House	605 Lexington St	Waltham	1836
WLT.638	Sherman, John M. House	620 Lexington St	Waltham	r 1895
WLT.362		640 Lexington St	Waltham	r 1880
WLT.363		640 Lexington St	Waltham	r 1880
WLT.320	Hardy, Nahum House	724 Lexington St	Waltham	c 1845
WLT.422		8-14 Lexington Terr	Waltham	1907
WLT.418	Frost, Leonard P. House	9 Lexington Terr	Waltham	r 1840
WLT.419	Peck - Stone House	18-20 Lexington Terr	Waltham	c 1870
WLT.231	Gibbs, William House	14 Liberty St	Waltham	r 1840
WLT.230	Smith, Marshall House	26 Liberty St	Waltham	r 1840
WLT.233	Peck, John M. House	27 Liberty St	Waltham	r 1840
WLT.904	Minuteman Memorial	Lincoln St	Waltham	1930
WLT.305	Smith, Perez House	46 Lincoln St	Waltham	1846
WLT.372	Paul House	59 Lincoln St	Waltham	c 1920
WLT.316	Sanderson - Clark Farmhouse	75 Lincoln St	Waltham	1831
WLT.315	Sanderson, Nathan House	107 Lincoln St	Waltham	c 1783
WLT.314	Sanderson, Nathan II House	111 Lincoln St	Waltham	c 1700
WLT.321	Fiske, Elijah House	457 Lincoln St	Waltham	r 1800
WLT.343	Smith, Nathan II House	565 Lincoln St	Waltham	c 1900

Inv. No.	Property Name	Street	Town	Year
WLT.324	Viles, Jonas House	639 Lincoln St	Waltham	r 1770
WLT.901	Linden Street Railroad Bridge - Bridge 113	Linden St	Waltham	1894
WLT.1048	Foster, Lebbeus House	20 Linden St	Waltham	1895
WLT.1049	Foster, Lebbeus S. Carriage Barn	20R Linden St	Waltham	1895
WLT.515	Eastern Middlesex County Courthouse	38 Linden St	Waltham	
WLT.648	Dunbar - Stearns House	209 Linden St	Waltham	1846
WLT.647	Tyler, Frank J. House	238 Linden St	Waltham	1894
WLT.326	Andrews, Joseph House	258 Linden St	Waltham	1851
WLT.327	Stewart, Henry House	294 Linden St	Waltham	r 1905
WLT.552		25 Lowell St	Waltham	1901
WLT.14		80-82 Lowell St	Waltham	r 1870
WLT.21		180 Lowell St	Waltham	1891
WLT.276		67 Lunda St	Waltham	c 1870
WLT.902	Lyman Street Bridge	Lyman St	Waltham	c 1822
WLT.636	Taylor, Lewis C. House	12 Lyman St	Waltham	1871
WLT.175	Emerson, Warren House	13 Lyman St	Waltham	1873
WLT.236	Hobbs, William House	16 Lyman St	Waltham	c 1852
WLT.176	Emerson, Lewis House	21 Lyman St	Waltham	1847
WLT.672	Saint Joseph's Center	22 Lyman St	Waltham	1966
WLT.673		25 Lyman St	Waltham	c 1920
WLT.674		29 Lyman St	Waltham	c 1920
WLT.639	Fiske House	30 Lyman St	Waltham	r 1905
WLT.242	Fiske House	32 Lyman St	Waltham	r 1910
WLT.177	Adams, Benjamin F. D. House	35 Lyman St	Waltham	c 1874
WLT.241	Emerson, John - Rutter, Josiah House	40 Lyman St	Waltham	c 1836
WLT.240	Fiske, Ebenezer W. House	46-48 Lyman St	Waltham	c 1852
WLT.239	Rutter, Josiah House	54-56 Lyman St	Waltham	c 1848
WLT.238	Young, M. Harwood House	62 Lyman St	Waltham	c 1884
WLT.237	Coolidge - Clarke House	68 Lyman St	Waltham	r 1858
WLT.203	Smith, Mary J. House	78 Lyman St	Waltham	1879
WLT.640	Shepard, Charles J. House	84 Lyman St	Waltham	1907
WLT.641	Hill, Charles R. House	90 Lyman St	Waltham	1907
WLT.204	Curley, Thomas House	98 Lyman St	Waltham	1886
WLT.286	Vale, The	185 Lyman St	Waltham	1793
WLT.1011	Vale, The Greenhouses	185 Lyman St	Waltham	
WLT.905	Banks, Nathaniel P. Statue	Main St	Waltham	1908
WLT.907	Waltham Soldier's Monument	Main St	Waltham	1866
WLT.908	Waltham Town Common	Main St	Waltham	1813

Inv. No.	Property Name	Street	Town	Year
WLT.909	Hiker, The	Main St	Waltham	1928
WLT.910	Waltham Centennial Memorial	Main St	Waltham	1984
WLT.930	Main Street Bridge over Route 128	Main St	Waltham	1960
WLT.947	Waltham Revolutionary War Marker	Main St	Waltham	1930
WLT.965	Main Street - Route 20 Bridge over B&M Railroad	Main St	Waltham	1936
WLT.531	Bowker, Francis House	147R Main St	Waltham	r 1880
WLT.533		158 Main St	Waltham	c 1890
WLT.532		162 Main St	Waltham	c 1890
WLT.86	Stark, Robert M. House	176 Main St	Waltham	c 1890
WLT.717	Brigham House	235 Main St	Waltham	c 1893
WLT.800	Grove Hill Cemetery	290 Main St	Waltham	1703
WLT.1050	Phipps, Luther House	403-405 Main St	Waltham	1908
WLT.190	Hager - Mead House	411 Main St	Waltham	c 1795
WLT.171	Chamberlain, George W. House	418 Main St	Waltham	c 1850
WLT.1051	Dubois, Agnes House	423 Main St	Waltham	1915
WLT.1052	Eicher, Robert - Abbott, Dr. Lucy House	427 Main St	Waltham	1908
WLT.170	Blanchard, Francis House	428 Main St	Waltham	c 1850
WLT.1053	Marshall, Dr. Robert House	429 Main St	Waltham	1927
WLT.169	Reed, Lyman House	436 Main St	Waltham	c 1844
WLT.168	Nutting, Charles P. House	446 Main St	Waltham	c 1900
WLT.1054	Weeks, Delmont House	451 Main St	Waltham	c 1888
WLT.1055	Craven Apartments	459-461 Main St	Waltham	1916
WLT.156		462 Main St	Waltham	r 1890
WLT.520	Hill, Thomas Elementary School	494 Main St	Waltham	1887
WLT.137	Boston Post Road Inn	500 Main St	Waltham	c 1840
WLT.136	Frost House	504-506 Main St	Waltham	c 1860
WLT.1012	Wilson's Diner	507 Main St	Waltham	1949
WLT.232	Warren, Dr. Royal S. House	519 Main St	Waltham	c 1851
WLT.637	Hovey, Hamblin L. Memorial Institute	545 Main St	Waltham	1932
WLT.129	Hastings, Josiah House	552 Main St	Waltham	1846
WLT.1056	Jackson, Elizabeth House	556-558 Main St	Waltham	1884
WLT.1057	Willis, Charles Triple-Decker	562-568 Main St	Waltham	1911
WLT.473	Jenney Service Station	569 Main St	Waltham	1926
WLT.1058	Waltham Wallpaper Company	591-593 Main St	Waltham	1936
WLT.127	Buttrick Building	600 Main St	Waltham	1902
WLT.1059	Wooley, Charles - Williams, Daniel Store	601 Main St	Waltham	c 1870
WLT.474	Foppiano Building	605-607 Main St	Waltham	c 1906

Inv. No.	Property Name	Street	Town	Year
WLT.218	Emerson Block	609-613 Main St	Waltham	c 1832
WLT.493	Waltham City Hall	610 Main St	Waltham	1924
WLT.219	Miller Block - Central Block - Waltham Hotel	627 Main St	Waltham	1856
WLT.220	Collins Block	633 Main St	Waltham	1903
WLT.214	Waltham National Bank	637 Main St	Waltham	1888
WLT.665	Curtis Building	649 Main St	Waltham	c 1930
WLT.664	Flynn - Curtin Building	651-657 Main St	Waltham	1927
WLT.215	Whitford Block - Flynn Building	653 Main St	Waltham	1877
WLT.668	Eagle - Mansfield Building	665-675 Main St	Waltham	1854
WLT.213	Lawrence Block	677-685 Main St	Waltham	1900
WLT.193	Maynard - Masonic Block	690-700 Main St	Waltham	c 1892
WLT.489	Waltham Savings Bank	702 Main St	Waltham	c 1902
WLT.484	Levison. David Building	711-717 Main St	Waltham	1929
WLT.485	Knights of Columbus Building	719-723 Main St	Waltham	c 1872
WLT.192	First Congregational Church	730 Main St	Waltham	1871
WLT.1060	Smart, Ernest E. Building	738-744 Main St	Waltham	1925
WLT.487	Buttrick, Francis Library - Waltham Public Library	741 Main St	Waltham	1915
WLT.1061	Donehue, J. House	749 Main St	Waltham	c 1863
WLT.191	Christ Episcopal Church and Parish House	750 Main St	Waltham	1898
WLT.1062	Kitteridge, Dr. Theodore House	755R Main St	Waltham	c 1830
WLT.1063	Waltham Training School for Nurses	760 Main St	Waltham	1898
WLT.716	U. S. Post Office - Waltham Main Branch	774 Main St	Waltham	1935
WLT.1064	Luce, Enos T. House and Store	841-845 Main St	Waltham	1884
WLT.1065	Cincotta Block	847-849 Main St	Waltham	1925
WLT.1066	Cincotta, Antonio Building	851-857 Main St	Waltham	1921
WLT.1067	Woolworth, F. W. Store	877-879 Main St	Waltham	1929
WLT.1068	Russo, Felix Block	881-891 Main St	Waltham	1911
WLT.1069	Beattie, J. H. Block	888-1892 Main St	Waltham	1940
WLT.1070	Beattie Market	894-896 Main St	Waltham	1929
WLT.1071	Lee Block	905-907 Main St	Waltham	1913
WLT.1072	Wittier House - Blackstone Block	912-914 Main St	Waltham	1895
WLT.1073	Weiner, Hyman Building	919-923 Main St	Waltham	1927
WLT.249	Gale - Banks House	935 Main St	Waltham	1798
WLT.454	Banks, Nathaniel P. Elementary School	948 Main St	Waltham	1920
WLT.46		10-12 Maple St	Waltham	r 1870
WLT.45		16 Maple St	Waltham	r 1870
WLT.49		35 Maple St	Waltham	r 1870
WLT.55	Beth Eden Baptist Church	82 Maple St	Waltham	1887

Inv. No.	Property Name	Street	Town	Year
WLT.1074	Newton-Waltham Savings Bank	100 Maple St	Waltham	1922
WLT.1006	Metropolitan State Hospital - House	29 Marguerite Ave	Waltham	1933
WLT.1007	Metropolitan State Hospital - House	35 Marguerite Ave	Waltham	1933
WLT.121		116-118 Massasoit St	Waltham	r 1870
WLT.120		124-126 Massasoit St	Waltham	r 1845
WLT.924	Waverly Oaks - Beaver Brook Reservation	Mill St	Waltham	c 1892
WLT.666	Crossing Tender's Shanty - Fitchburg Railroad	Moody St	Waltham	r 1870
WLT.913	Boston and Maine Signal Bridge	Moody St	Waltham	1930
WLT.945	Moody Street Bridge over Charles River	Moody St	Waltham	1943
WLT.963	Columbus, Christopher Memorial	Moody St	Waltham	1992
WLT.195	Parmenter Block	90 Moody St	Waltham	1887
WLT.499		123-129 Moody St	Waltham	r 1888
WLT.196	Boston Manufacturing Company Mill #1	144 Moody St	Waltham	c 1814
WLT.701	Boston Manufacturing Company Mill #1	144 Moody St	Waltham	1816
WLT.702	Boston Manufacturing Company Mill #1	144 Moody St	Waltham	1843
WLT.703	Finishing Building - Boston Manufacturing Company	144 Moody St	Waltham	r 1905
WLT.704	Boston Manufacturing Company Mill #2	144 Moody St	Waltham	1852
WLT.705	Boston Manufacturing Company Mill #3	144 Moody St	Waltham	1873
WLT.706	Picker House - Boston Manufacturing Company	144 Moody St	Waltham	1873
WLT.707	Boston Manufacturing Company Mill #4	144 Moody St	Waltham	1890
WLT.708	Boilder House - Boston Manufacturing Company	144 Moody St	Waltham	1911
WLT.709	Office Building - Boston Manufacturing Company	144 Moody St	Waltham	c 1820
WLT.710	Machine Shop - Boston Manufacturing Company	144 Moody St	Waltham	1919
WLT.711	Engine House - Boston Manufacturing Company	144 Moody St	Waltham	1901
WLT.712	Generator House - Boston Manufacturing Company	144 Moody St	Waltham	1902
WLT.713	Turbine House - Boston Manufacturing Company	144 Moody St	Waltham	1902
WLT.714	Boiler House - Boston Manufacturing Company	144 Moody St	Waltham	1873
WLT.715	Weaving Mill - Boston Manufacturing Company	144 Moody St	Waltham	1921
WLT.917	Charles River Falls Dam - Boston Manufacturing Co.	144 Moody St	Waltham	1847
WLT.501	Grover Cronin Department Store	223 Moody St	Waltham	1930
WLT.502	Grover Cronin Department Store	223 Moody St	Waltham	1899
WLT.503	Grover Cronin Department Store	223 Moody St	Waltham	1907
WLT.675	Penny, J. C. Store - Sears, Roebuck & Co. Store	240-254 Moody St	Waltham	1936
WLT.559	Hall, Henry C. Building	265-271 Moody St	Waltham	1929
WLT.553	Bartlett Block	266-278 Moody St	Waltham	1900
WLT.676		275-277 Moody St	Waltham	c 1950

Inv. No.	Property Name	Street	Town	Year
WLT.555	Ancient Order of United Workmen Building	282-290 Moody St	Waltham	1887
WLT.560	Lincoln Building	283 Moody St	Waltham	1890
WLT.561	Woolworth, F. W. Company Building	299-301 Moody St	Waltham	r 1930
WLT.556		300-314 Moody St	Waltham	
WLT.566	Garvey Building	300-314 Moody St	Waltham	1917
WLT.557	Waltham National Bank - South Branch	318 Moody St	Waltham	1928
WLT.1075	Moody Street Theater	326 Moody St	Waltham	1929
WLT.562	Kresge Building	329-331 Moody St	Waltham	1929
WLT.1076	O'Donnell Building	361-371 Moody St	Waltham	1926
WLT.565	Broderick, Patrick Building	362-366 Moody St	Waltham	r 1915
WLT.1077	Locke Block	389-403 Moody St	Waltham	1908
WLT.1078	French, A. D. Building	398-404 Moody St	Waltham	1903
WLT.1079	Waltham Theater	406-412 Moody St	Waltham	1912
WLT.570	Stark, John Building	416-424 Moody St	Waltham	1891
WLT.569		426 Moody St	Waltham	1912
WLT.1080	Gray Building	442-456 Moody St	Waltham	1891
WLT.571		443-455 Moody St	Waltham	
WLT.572		457-467 Moody St	Waltham	1928
WLT.573	Miltonia, The	469-489 Moody St	Waltham	r 1915
WLT.1081	Huckins, John Block	474-484 Moody St	Waltham	1940
WLT.1082	Young Building	509-525 Moody St	Waltham	1922
WLT.576	Waltham South Junior High School	510 Moody St	Waltham	1923
WLT.59	South Waltham Fire Station	533 Moody St	Waltham	1890
WLT.57	Immanuel Methodist Church	545 Moody St	Waltham	1889
WLT.67	Moulton, Calvin - Brooks, Jacob, A. B. House	546-554 Moody St	Waltham	1850
WLT.1084	Lawrence Block	580-590 Moody St	Waltham	1921
WLT.1085	First National Stores	591-599 Moody St	Waltham	1938
WLT.60		643 Moody St	Waltham	r 1890
WLT.1086	Buttrick, Francis House	659-669 Moody St	Waltham	c 1880
WLT.1087	Shedd, Albert House	671-679 Moody St	Waltham	1881
WLT.1088	Brunswick Block	699-709 Moody St	Waltham	1900
WLT.1090	Levison Block	740-750 Moody St	Waltham	1916
WLT.74		756 Moody St	Waltham	1860
WLT.1091	Colvin Filling Station	766 Moody St	Waltham	1928
WLT.1092	Reardon - Brasco House	773 Moody St	Waltham	c 1890
WLT.75	Martin, Aaron House	786 Moody St	Waltham	1886
WLT.599		25 Morton St	Waltham	1906
WLT.600		61-63 Morton St	Waltham	1893

Inv. No.	Property Name	Street	Town	Year
WLT.601		90 Morton St	Waltham	r 1870
WLT.472		31-33 Mount Pleasant St	Waltham	r 1910
WLT.66		18 Myrtle St	Waltham	r 1800
WLT.580		76 Myrtle St	Waltham	1912
WLT.16		84-86 Myrtle St	Waltham	1892
WLT.15		88-90 Myrtle St	Waltham	1892
WLT.632		120-122 Myrtle St	Waltham	1908
WLT.900	Newton Street Bridge	Newton St	Waltham	1877
WLT.141		9 Newton St	Waltham	c 1854
WLT.155		18 Newton St	Waltham	r 1840
WLT.140	Cate, Horace House	21 Newton St	Waltham	r 1880
WLT.154	Field House	26-28 Newton St	Waltham	r 1865
WLT.162		38 Newton St	Waltham	r 1840
WLT.161		42 Newton St	Waltham	r 1800
WLT.172	Mulliken, I. W. Stable	62 Newton St	Waltham	r 1870
WLT.583		157-159 Newton St	Waltham	r 1857
WLT.1093	McCann, Charles House	164-166 Newton St	Waltham	c 1845
WLT.26	Potter - O'Brien House	206 Newton St	Waltham	r 1800
WLT.585	Gibbs Express Warehouse	216R Newton St	Waltham	1882
WLT.588	Waltham Machine Works	296 Newton St	Waltham	1903
WLT.578		338 Newton St	Waltham	1909
WLT.587		47-49 Oak St	Waltham	r 1860
WLT.9		76 Oak St	Waltham	c 1873
WLT.11		80 Oak St	Waltham	c 1873
WLT.12		83 Oak St	Waltham	1873
WLT.651	Waltham Watch Company Worker Housing	10-12 Orange St	Waltham	c 1886
WLT.652	Waltham Watch Company Worker Housing	14-16 Orange St	Waltham	c 1886
WLT.653	Waltham Watch Company Worker Housing	18-20 Orange St	Waltham	c 1886
WLT.654	Waltham Watch Company Worker Housing	22-24 Orange St	Waltham	c 1886
WLT.657	Waltham Watch Company Worker Housing	23-25 Orange St	Waltham	c 1886
WLT.655	Waltham Watch Company Worker Housing	26-28 Orange St	Waltham	c 1886
WLT.656	Waltham Watch Company Worker Housing	30-32 Orange St	Waltham	c 1886
WLT.210		10 Orchard Ave	Waltham	r 1845
WLT.224		6 Park Pl	Waltham	c 1870
WLT.223		10 Park Pl	Waltham	r 1860
WLT.222		16 Park Pl	Waltham	r 1840
WLT.115		1-3 Parker's Ln	Waltham	r 1845
WLT.114		5-7 Parker's Ln	Waltham	r 1845

Inv. No.	Property Name	Street	Town	Year
WLT.630	Whittermore, Henry Elementary School	30 Parmenter St	Waltham	c 1925
WLT.554		7-9 Pine St	Waltham	c 1886
WLT.35		41-43 Pine St	Waltham	r 1845
WLT.36		51-53 Pine St	Waltham	r 1845
WLT.37		57-59 Pine St	Waltham	r 1845
WLT.23		69-71 Pine St	Waltham	r 1865
WLT.24		77-79 Pine St	Waltham	c 1873
WLT.549	Waltham Gas and Electric Company Generating Plant	96 Pine St	Waltham	1900
WLT.550	Waltham Gas Light Company Superintendent House	100 Pine St	Waltham	c 1900
WLT.1094	Basely, Fred House	17 Pleasant St	Waltham	1921
WLT.185		32 Pleasant St	Waltham	r 1890
WLT.184		40 Pleasant St	Waltham	r 1890
WLT.183	Cushing, Rev. Jacob House	44 Pleasant St	Waltham	c 1759
WLT.188		45 Pleasant St	Waltham	r 1880
WLT.189	Ripley, Rev. Samuel Parsonage	49 Pleasant St	Waltham	1818
WLT.427		50 Pleasant St	Waltham	c 1910
WLT.404		83 Plympton St	Waltham	1900
WLT.405	Coach House of Prospect House	87 Plympton St	Waltham	c 1839
WLT.408	White, Samuel House	117 Plympton St	Waltham	r 1890
WLT.197	Farnsworth, T. W. House	19 Pond St	Waltham	r 1840
WLT.198	Upham House	25 Pond St	Waltham	r 1840
WLT.199		31 Pond St	Waltham	c 1850
WLT.200	Hemingway House	37 Pond St	Waltham	r 1840
WLT.201	Thorpe, John C. House	55 Pond St	Waltham	1867
WLT.416	Elastoid Fibre Company - Metal Clad Door Company	73 Pond St	Waltham	1921
WLT.1095	Strom, Francis House	180 Prospect Hill Rd	Waltham	1903
WLT.914	Prospect Street Railroad Bridge	Prospect St	Waltham	1928
WLT.248		30 Prospect St	Waltham	r 1845
WLT.247	Clough, Benjamin F. House	42-44 Prospect St	Waltham	r 1860
WLT.457	Clough, B. F. Shoe Factory	42-44R Prospect St	Waltham	c 1855
WLT.459	Newhall, Chauncey Elementary School	101 Prospect St	Waltham	1895
WLT.271	Waltham Pumping Station Employee House	203 Prospect St	Waltham	c 1870
WLT.272	Waltham Pumping Station	203 Prospect St	Waltham	1896
WLT.606	Waltham Pumping Station Engineer's House	203 Prospect St	Waltham	1872
WLT.607	Waltham Pumping Station Employee House	203 Prospect St	Waltham	r 1870
WLT.801	Mount Feake Cemetery	203 Prospect St	Waltham	1857

Inv. No.	Property Name	Street	Town	Year
WLT.150	Boston Manufacturing Company Housing	1-6 River St	Waltham	r 1845
WLT.594	Metz Motor Car Company Upholstery Plant	37 River St	Waltham	c 1914
WLT.595	Wade Tool Company	45-49 River St	Waltham	1920
WLT.111	Boston Manufacturing Company Housing	153-155 River St	Waltham	r 1870
WLT.112	Boston Manufacturing Company Housing	163-165 River St	Waltham	r 1870
WLT.110	Harrington - Parmenter House	197-199 River St	Waltham	c 1820
WLT.108		198 River St	Waltham	r 1840
WLT.586		203-207 River St	Waltham	r 1840
WLT.95	Boston Manufacturing Company Worker Housing	208-210 River St	Waltham	r 1830
WLT.96	Boston Manufacturing Company Worker Housing	226-230 River St	Waltham	r 1830
WLT.97	Boston Manufacturing Company Worker Housing	232-234 River St	Waltham	r 1830
WLT.98	Boston Manufacturing Company Worker Housing	236-238 River St	Waltham	r 1830
WLT.99	Boston Manufacturing Company Worker Housing	242-246 River St	Waltham	r 1830
WLT.529		250-252 River St	Waltham	r 1890
WLT.101	Waltham Manufacturing Company Worker Housing	266-274 River St	Waltham	r 1870
WLT.102	Waltham Manufacturing Company Worker Housing	284-286 River St	Waltham	r 1830
WLT.528		286-288 River St	Waltham	r 1890
WLT.103	Waltham Manufacturing Company Worker Housing	290-292 River St	Waltham	r 1830
WLT.104	Waltham Manufacturing Company Worker Housing	294-298 River St	Waltham	r 1870
WLT.527		300-306 River St	Waltham	r 1890
WLT.106	Waltham Manufacturing Company Worker Housing	308-310 River St	Waltham	r 1870
WLT.153	Boston Manufacturing Company Housing	372-378 River St	Waltham	r 1845
WLT.525		373-383 River St	Waltham	r 1890
WLT.152	Boston Manufacturing Company Housing	380-410 River St	Waltham	c 1881
WLT.511		387-389 River St	Waltham	r 1890
WLT.506	Gilbrae Inn	403 River St	Waltham	r 1890
WLT.505	Boston Manufacturing Company Worker Housing	405-413 River St	Waltham	1820
WLT.513	Boston Manufacturing Company Worker Housing	414-416 River St	Waltham	c 1820
WLT.151	Boston Manufacturing Company Housing	426-432 River St	Waltham	r 1845
WLT.631	Matthews House	26 Riverside Dr	Waltham	1897
WLT.82		57 Riverview Ave	Waltham	r 1890
WLT.83		63 Riverview Ave	Waltham	r 1890
WLT.84	Ryan, Eppa House	89 Riverview Ave	Waltham	r 1890
WLT.623	Crescent Park Brass Foundry	186 Riverview Ave	Waltham	c 1900

Inv. No.	Property Name	Street	Town	Year
WLT.662		1-7 Robbins Pl	Waltham	1888
WLT.663		2-8 Robbins Pl	Waltham	1888
WLT.52		10-12 Robbins St	Waltham	1880
WLT.64		68-70 Robbins St	Waltham	c 1886
WLT.63		76-78 Robbins St	Waltham	1887
WLT.628		177-181 Robbins St	Waltham	r 1890
WLT.1096	Rose Hill Estate Gardener Cottage	14 Rose Hill Way	Waltham	1848
WLT.918	Route 128 Railroad Bridge	Route 128	Waltham	1960
WLT.925	Route 128 Bridge over B & M Railroad	Route 128	Waltham	r 1955
WLT.922	Route 20 West Bound Bridge	Route 20	Waltham	1962
WLT.923	Route 20 East Bound Bridge	Route 20	Waltham	1962
WLT.619	O'Hara Waltham Dial Company	74 Rumford Ave	Waltham	1897
WLT.622	Waltham Screw Company Factory	77 Rumford Ave	Waltham	1897
WLT.453		105-111 Russell St	Waltham	1884
WLT.265	Hager - Smith - Livermore - Sanderson House	51 Sanders Ln	Waltham	c 1716
WLT.113		43-45 School Ave	Waltham	r 1845
WLT.116		53-55 School Ave	Waltham	r 1845
WLT.692		School St	Waltham	
WLT.693	Saint Mary's High School	School St	Waltham	1922
WLT.694		School St	Waltham	c 1938
WLT.695	Saint Mary's Religious Education Center	School St	Waltham	c 1920
WLT.243	Townsend, David House	11 School St	Waltham	c 1831
WLT.530	Smith House	32 School St	Waltham	r 1860
WLT.235		34 School St	Waltham	c 1830
WLT.234		38 School St	Waltham	r 1870
WLT.470	Waltham High School	55 School St	Waltham	1902
WLT.229		66 School St	Waltham	r 1840
WLT.228	Beard, Josiah House	70 School St	Waltham	1844
WLT.471		74 School St	Waltham	r 1890
WLT.469	First Parish Church	87 School St	Waltham	1933
WLT.480		94 School St	Waltham	r 1860
WLT.634	North Junior High School	115 School St	Waltham	1920
WLT.216		122-126 School St	Waltham	r 1845
WLT.206	Saint Mary's Rectory	133 School St	Waltham	1882
WLT.696	Saint Mary's Rectory Carriage House	133 School St	Waltham	
WLT.205	Saint Mary's Catholic Church	145 School St	Waltham	r 1860
WLT.468	Waltham Vocational School	205 School St	Waltham	r 1850
WLT.257		241 School St	Waltham	r 1845

Inv. No.	Property Name	Street	Town	Year
WLT.253		268-270 School St	Waltham	r 1845
WLT.592	Metz Motor Car Company Assembly Plant	Seyon St	Waltham	c 1914
WLT.540	Waltham State Armory	30 Sharon St	Waltham	1908
WLT.948	Wakefield Holocaust Memorial	South St	Waltham	1967
WLT.949	Word of Inquiry Sculpture	South St	Waltham	1983
WLT.950	Jacob Wrestling with the Angel Sculpture	South St	Waltham	1962
WLT.951	Student Sculpture	South St	Waltham	1986
WLT.952	Duality Sculpture	South St	Waltham	1990
WLT.953	Brandeis, Louis Dembitz Statue	South St	Waltham	1956
WLT.954	Pegasus - Birth of Muses Relief	South St	Waltham	1971
WLT.955	Tree Sculpture	South St	Waltham	1982
WLT.956	Untitled Human Figure Sculpture	South St	Waltham	1974
WLT.957	End Free Series XV Sculpture	South St	Waltham	1971
WLT.958	Family at Play Sculpture	South St	Waltham	1968
WLT.959	Horizon Sculpture	South St	Waltham	1966
WLT.964	South Street over Stony Brook	South St	Waltham	1910
WLT.244		27 South St	Waltham	1880
WLT.245		71 South St	Waltham	r 1845
WLT.246	Farwell House	117 South St	Waltham	c 1830
WLT.270	Gate Lodge	208 South St	Waltham	r 1880
WLT.538	City Home - Town Farm	250 South St	Waltham	1887
WLT.273	Castle, The - Middlesex Medical School	415 South St	Waltham	1928
WLT.602	Waltham Water Works Pumping Station	415 South St	Waltham	1932
WLT.603		457 South St	Waltham	c 1886
WLT.274	Harrington, Samuel House	475 South St	Waltham	c 1750
WLT.597	Potter Press	515-537 South St	Waltham	1921
WLT.598		559-561 South St	Waltham	r 1880
WLT.275	Miller, John House	623 South St	Waltham	c 1852
WLT.268	Gibbs - Roberts House	731 South St	Waltham	1828
WLT.269	Roberts, John and Son Paper Company Building	756 South St	Waltham	1841
WLT.915	Stony Brook Railroad Bridge	Stony Brook	Waltham	r 1850
WLT.916	Stony Brook Railroad Bridge	Stony Brook	Waltham	1921
WLT.283		Stow St	Waltham	1820
WLT.441	Hager House	68-70 Stow St	Waltham	c 1800
WLT.282		98 Stow St	Waltham	r 1775
WLT.417	Reliance Garnetting Mills	23 Summer Ave	Waltham	c 1922
WLT.423	Luce, Robert House	91 Summer St	Waltham	r 1860
WLT.1097	Stones, Charles House	127 Summer St	Waltham	1878

Inv. No.	Property Name	Street	Town	Year
WLT.541	Waltham Watch Company Stable	54 Sun St	Waltham	r 1905
WLT.650	Stanley, Leonard W. House	23-25 Taylor St	Waltham	1855
WLT.157		9 Townsend St	Waltham	r 1890
WLT.167		10 Townsend St	Waltham	r 1890
WLT.166		14 Townsend St	Waltham	r 1890
WLT.158		15 Townsend St	Waltham	r 1890
WLT.165		18 Townsend St	Waltham	r 1890
WLT.159		19 Townsend St	Waltham	r 1815
WLT.164		20 Townsend St	Waltham	r 1890
WLT.163		22 Townsend St	Waltham	r 1890
WLT.160		23-25 Townsend St	Waltham	r 1890
WLT.289		53 Trapelo Rd	Waltham	r 1845
WLT.344	Deshon, Daniel Barn	53 Trapelo Rd	Waltham	c 1850
WLT.399		122 Trapelo Rd	Waltham	r 1840
WLT.758	Fernald State School - Baldwin Cottage	180 Trapelo Rd	Waltham	c 1860
WLT.377	Fernald State School - Cardinal Cottage	200 Trapelo Rd	Waltham	1850
WLT.718	Fernald State School - Waverley Hall	200 Trapelo Rd	Waltham	1891
WLT.719	Fernald State School - North Building	200 Trapelo Rd	Waltham	1897
WLT.720	Fernald State School - Activity Center	200 Trapelo Rd	Waltham	1891
WLT.721	Fernald State School - Schoolhouse - Gymm	200 Trapelo Rd	Waltham	1891
WLT.722	Fernald State School - Chipman Hall	200 Trapelo Rd	Waltham	1892
WLT.723	Fernald State School - North Nurses' Home	200 Trapelo Rd	Waltham	1904
WLT.724	Fernald State School - East Nurses' Home	200 Trapelo Rd	Waltham	1906
WLT.725	Fernald State School - Manual Training Building	200 Trapelo Rd	Waltham	1904
WLT.726	Fernald State School - Warren Hall	200 Trapelo Rd	Waltham	1906
WLT.727	Fernald State School - South Nurses' Home	200 Trapelo Rd	Waltham	1907
WLT.728	Fernald State School - Thom Building	200 Trapelo Rd	Waltham	1952
WLT.729	Fernald State School - Main Garage	200 Trapelo Rd	Waltham	1932
WLT.730	Fernald State School - Storehouse	200 Trapelo Rd	Waltham	1891
WLT.731	Fernald State School - Cottage #17 Staff Residence	200 Trapelo Rd	Waltham	1925
WLT.732	Fernald State School - Cottage #18 Staff Residence	200 Trapelo Rd	Waltham	1925
WLT.733	Fernald State School - Cottage #19 Staff Residence	200 Trapelo Rd	Waltham	1925
WLT.734	Fernald State School - Cottage #20 Staff Residence	200 Trapelo Rd	Waltham	1925
WLT.735	Fernald State School - Southard Research Lab	200 Trapelo Rd	Waltham	1921
WLT.736	Fernald State School - Laundry	200 Trapelo Rd	Waltham	1928

Inv. No.	Property Name	Street	Town	Year
WLT.737	Fernald State School - Lavers Hall	200 Trapelo Rd	Waltham	1914
WLT.738	Fernald State School - Maintenance	200 Trapelo Rd	Waltham	1930
WLT.739	Fernald State School - Greenhouse	200 Trapelo Rd	Waltham	c 1940
WLT.740	Fernald State School - Electric Substation	200 Trapelo Rd	Waltham	c 1960
WLT.741	Fernald State School - Engineers' Storage	200 Trapelo Rd	Waltham	c 1930
WLT.742	Fernald State School - Stucco Shed	200 Trapelo Rd	Waltham	c 1920
WLT.743	Fernald State School - Metal Shed	200 Trapelo Rd	Waltham	c 1970
WLT.744	Fernald State School - Concrete Block Garage	200 Trapelo Rd	Waltham	c 1950
WLT.745	Fernald State School - Tarbell Hall	200 Trapelo Rd	Waltham	1934
WLT.746	Fernald State School - West Building	200 Trapelo Rd	Waltham	1890
WLT.747	Fernald State School - Belmont House	200 Trapelo Rd	Waltham	1890
WLT.748	Fernald State School - Sequin Hall	200 Trapelo Rd	Waltham	1934
WLT.749	Fernald State School - MacDougall Hall	200 Trapelo Rd	Waltham	1898
WLT.750	Fernald State School - Dolan Hall	200 Trapelo Rd	Waltham	1906
WLT.751	Fernald State School - West Nurses' Home	200 Trapelo Rd	Waltham	1906
WLT.752	Fernald State School - Wheatly Hall	200 Trapelo Rd	Waltham	1933
WLT.753	Fernald State School - Food Service Building	200 Trapelo Rd	Waltham	1931
WLT.754	Fernald State School - Howe Hall	200 Trapelo Rd	Waltham	1933
WLT.755	Fernald State School - East Dowling Hall	200 Trapelo Rd	Waltham	1906
WLT.756	Fernald State School - Hillside Cottage	200 Trapelo Rd	Waltham	1904
WLT.757	Fernald State School - Garage	200 Trapelo Rd	Waltham	1912
WLT.759	Fernald State School - Wallace Hall	200 Trapelo Rd	Waltham	1936
WLT.760	Fernald State School - Administration Building	200 Trapelo Rd	Waltham	1933
WLT.761	Fernald State School - Farrell Hall	200 Trapelo Rd	Waltham	1960
WLT.762	Fernald State School - Bowen, Stephen Hall	200 Trapelo Rd	Waltham	1893
WLT.763	Fernald State School - Greene Unit	200 Trapelo Rd	Waltham	1953
WLT.764	Fernald State School - Trapelo Cottage	200 Trapelo Rd	Waltham	c 1900
WLT.765	Fernald State School - Garage	200 Trapelo Rd	Waltham	1930
WLT.767	Fernald State School - Garage	200 Trapelo Rd	Waltham	1947
WLT.768	Fernald State School - Garage	200 Trapelo Rd	Waltham	c 1950
WLT.769	Fernald State School - Garage	200 Trapelo Rd	Waltham	1930
WLT.770	Fernald State School - Garage	200 Trapelo Rd	Waltham	1955
WLT.771	Fernald State School - Kelley Hall	200 Trapelo Rd	Waltham	1969
WLT.772	Fernald State School - Activities Center	200 Trapelo Rd	Waltham	1980
WLT.773	Fernald State School - Withington Center	200 Trapelo Rd	Waltham	1979
WLT.774	Fernald State School - Shriver, Eunice Center	200 Trapelo Rd	Waltham	1967
WLT.775	Fernald State School - Cottage #5	200 Trapelo Rd	Waltham	1976
WLT.776	Fernald State School - Cottage #6	200 Trapelo Rd	Waltham	1976

Inv. No.	Property Name	Street	Town	Year
WLT.777	Fernald State School - Cottage #7	200 Trapelo Rd	Waltham	1976
WLT.778	Fernald State School - Cottage #8	200 Trapelo Rd	Waltham	1976
WLT.779	Fernald State School - Cottage #9	200 Trapelo Rd	Waltham	1976
WLT.780	Fernald State School - Cottage #10	200 Trapelo Rd	Waltham	1976
WLT.781	Fernald State School - Cottage #11	200 Trapelo Rd	Waltham	1976
WLT.782	Fernald State School - Cottage #12	200 Trapelo Rd	Waltham	1976
WLT.783	Fernald State School - Cottage #13	200 Trapelo Rd	Waltham	1976
WLT.784	Fernald State School - Cottage #3	200 Trapelo Rd	Waltham	1976
WLT.785	Fernald State School - Cottage #4	200 Trapelo Rd	Waltham	1976
WLT.786	Fernald State School - Brookside	200 Trapelo Rd	Waltham	1981
WLT.787	Fernald State School - Woodside	200 Trapelo Rd	Waltham	1981
WLT.788	Fernald State School - Shed	200 Trapelo Rd	Waltham	c 1975
WLT.789	Fernald State School - Concrete Shed	200 Trapelo Rd	Waltham	c 1975
WLT.790	Fernald State School - Concrete Garage	200 Trapelo Rd	Waltham	c 1935
WLT.791	Fernald State School - Concrete Shed	200 Trapelo Rd	Waltham	c 1975
WLT.792	Fernald State School - Malone Park 1	200 Trapelo Rd	Waltham	c 1990
WLT.793	Fernald State School - Malone Park 2	200 Trapelo Rd	Waltham	c 1990
WLT.794	Fernald State School - Malone Park 3	200 Trapelo Rd	Waltham	c 1990
WLT.795	Fernald State School - Malone Park 4	200 Trapelo Rd	Waltham	c 1990
WLT.796	Fernald State School - Chapel	200 Trapelo Rd	Waltham	1960
WLT.797	Fernald State School - Wood Shed	200 Trapelo Rd	Waltham	c 1920
WLT.798	Fernald State School - Site 5	200 Trapelo Rd	Waltham	c 1981
WLT.926	Fernald State School - Waverley Hall Lawn	200 Trapelo Rd	Waltham	1891
WLT.927	Fernald State School - Barn Foundation	200 Trapelo Rd	Waltham	c 1900
WLT.928	Fernald State School - Electric Sub Station	200 Trapelo Rd	Waltham	c 1960
WLT.929	Fernald State School - Cast Iron Fence	200 Trapelo Rd	Waltham	c 1895
WLT.931	Fernald State School - Open Pavilion	200 Trapelo Rd	Waltham	c 1975
WLT.932	Fernald State School - Pool and Playground	200 Trapelo Rd	Waltham	c 1960
WLT.933	Fernald State School - Electric Sub Station	200 Trapelo Rd	Waltham	c 1960
WLT.934	Fernald State School - Activity Center Lawn	200 Trapelo Rd	Waltham	c 1891
WLT.935	Fernald State School - Power Plant	200 Trapelo Rd	Waltham	1921
WLT.339	Baldwin, James F. House	225 Trapelo Rd	Waltham	r 1810
WLT.338	Lawrence, Phineas House	257 Trapelo Rd	Waltham	c 1810
WLT.378	Lawrence, Phineas School	258 Trapelo Rd	Waltham	1927
WLT.373	Whitney - Farrington - Cook House	385 Trapelo Rd	Waltham	c 1790
WLT.799	Metropolitan State Hospital - Administration Bldg.	475 Trapelo Rd	Waltham	1927
WLT.802	Metropolitan State Hospital - Cemetery	475 Trapelo Rd	Waltham	c 1930
WLT.936	Metropolitan State Hospital - Pavilion	475 Trapelo Rd	Waltham	r 1935

Inv. No.	Property Name	Street	Town	Year
WLT.937	Metropolitan State Hospital - Pavilion	475 Trapelo Rd	Waltham	r 1935
WLT.938	Metropolitan State Hospital - Pavilion	475 Trapelo Rd	Waltham	r 1935
WLT.939	Metropolitan State Hospital - Water Tower	475 Trapelo Rd	Waltham	1930
WLT.940	Metropolitan State Hospital - Pool and Pool House	475 Trapelo Rd	Waltham	1962
WLT.941	Metropolitan State Hospital - Front Lawn	475 Trapelo Rd	Waltham	c 1928
WLT.942	Metropolitan State Hospital - Administration Lawn	475 Trapelo Rd	Waltham	c 1928
WLT.943	Metropolitan State Hospital - Tennis Courts	475 Trapelo Rd	Waltham	c 1928
WLT.944	Met. State Hospital - Superintendent's Garden	475 Trapelo Rd	Waltham	c 1935
WLT.1000	Metropolitan State Hospital - Female Dormitory	475 Trapelo Rd	Waltham	1927
WLT.1001	Metropolitan State Hospital - Male Dormitory	475 Trapelo Rd	Waltham	1930
WLT.1002	Metropolitan State Hospital - Furcolo Building	475 Trapelo Rd	Waltham	1957
WLT.1003	Metropolitan State Hospital - Superintendent House	475 Trapelo Rd	Waltham	1934
WLT.1004	Metropolitan State Hospital - House	475 Trapelo Rd	Waltham	1931
WLT.1005	Metropolitan State Hospital - Chief Engineer House	475 Trapelo Rd	Waltham	1931
WLT.1008	Met. State Hospital - Gaebler Children's Center	475 Trapelo Rd	Waltham	1950
WLT.357	Atkins - Ricci House	659 Trapelo Rd	Waltham	1871
WLT.356	Castner, Sanford House	676 Trapelo Rd	Waltham	1878
WLT.348	Wellington - Castner House	685 Trapelo Rd	Waltham	1902
WLT.336	Wellington, William House	735 Trapelo Rd	Waltham	c 1779
WLT.334	Viles, William House	977 Trapelo Rd	Waltham	1843
WLT.335	Reed House	981 Trapelo Rd	Waltham	1807
WLT.325	Stearns, Amos House	1079 Trapelo Rd	Waltham	c 1790
WLT.960	Saurian Sculpture	1601 Trapelo Rd	Waltham	1984
WLT.961	Counterpoint Sculpture	1601 Trapelo Rd	Waltham	1985
WLT.962	Animus Sculpture	1601 Trapelo Rd	Waltham	1987
WLT.73		14 Wadsworth Ave	Waltham	1884
WLT.72		30 Wadsworth Ave	Waltham	r 1870
WLT.30		28-30 Walnut St	Waltham	c 1854
WLT.29		34 Walnut St	Waltham	c 1870
WLT.563		43 Walnut St	Waltham	c 1898
WLT.436	Warren House	192 Warren St	Waltham	c 1798
WLT.438	Coolidge, Gen. Jonathan House	260 Warren St	Waltham	1729
WLT.330	Barnes, Thomas House	342-344 Warren St	Waltham	1837
WLT.432	Warren, Samuel D. Elementary School	215 Waverley Oaks Rd	Waltham	1912
WLT.284	Waverley Farm House	320 Waverley Oaks Rd	Waltham	c 1888

Inv. No.	Property Name	Street	Town	Year
WLT.285	Fillebrown - Peirce House	496 Waverley Oaks Rd	Waltham	c 1826
WLT.447		37 Weston St	Waltham	c 1887
WLT.448		47 Weston St	Waltham	r 1910
WLT.449	Warren, Nathan House	50 Weston St	Waltham	r 1840
WLT.278		141 Weston St	Waltham	1896
WLT.279	Libby, Nelson House	147-149 Weston St	Waltham	1891
WLT.280	Johnson, Edward C. House	177 Weston St	Waltham	c 1840
WLT.281	Smith - Stearns House	193-195 Weston St	Waltham	c 1800
WLT.277	Smith, David - Keating House	244 Weston St	Waltham	c 1774
WLT.445		247 Weston St	Waltham	1903
WLT.341		56 Whittier Ave	Waltham	c 1810
WLT.122		17 Willow St	Waltham	c 1850
WLT.123	Jones, Joseph House	47-49 Willow St	Waltham	r 1840
WLT.535	LaRosa's Market	118-120 Willow St	Waltham	c 1890
WLT.85	Harrington House	122 Willow St	Waltham	r 1840
WLT.117	Parker House	185 Willow St	Waltham	c 1810
WLT.591	Howell Button Company Boiler House	194-196R Willow St	Waltham	1911
WLT.903	Hobbs Brook Basin Gate House	Winter St	Waltham	c 1897
WLT.358		312 Winter St	Waltham	r 1860
WLT.331	Bemis - Pickering - Stewart Farm	868 Winter St	Waltham	c 1780
WLT.347	Wellington, William and Darius House	27 Woburn St	Waltham	r 1800
WLT.346	Runkle, John C. House	34 Woburn St	Waltham	c 1905
WLT.920	Woerd Avenue Bridge over Charles River	Woerd Ave	Waltham	1905
WLT.618	Nichols, W. H. Company	48 Woerd Ave	Waltham	1912
WLT.617	New England Mica Company	66 Woerd Ave	Waltham	1917
WLT.620	Bartlett House	91 Woerd Ave	Waltham	1913
WLT.621		135 Woerd Ave	Waltham	1916
WLT.313	Pond End Schoolhouse	2 Worcester Ln	Waltham	1851
WLT.312	Worcester, Benjamin House	28 Worcester Ln	Waltham	1853
WLT.311	Mount Prospect School for Boys	90 Worcester Ln	Waltham	1923
WLT.309		115 Worcester Ln	Waltham	1904
WLT.310	Worcester, Thomas House	221 Worcester Ln	Waltham	c 1865

ATTACHMENT 4

LABORATORY ANALYTICAL RESULTS

GZA Geoenvironmental - Norwood/
249 Vanderbilt Avenue/
Norwood, MA 02062/
ATTN: James Roehrig/

REPORT DATE:/ 4/3/2015/

PURCHASE ORDER NUMBER:/

PROJECT NUMBER:/ 171696.00/

ANALYTICAL SUMMARY

WORK ORDER NUMBER:/ 15C1277/

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

PROJECT LOCATION:/ NSTAR Station 282/

FIELD SAMPLE #/	LAB ID:/	MATRIX/	SAMPLE DESCRIPTION/	TEST/	SUB LAB/
2015-Disp-2/	15C1277-01/	Ground Water/		EPA 1664B/ EPA 420.1/ EPA 504.1/ SM21-22 2540D/ SM21-22 3500 Cr B/ SM21-22 4500 CL B/ SM21-22 4500 CL G/ SM21-22 4500 CN E/ SW-846 6010C/ SW-846 6020A/ SW-846 7470A/ SW-846 8082A/ SW-846 8260C/ SW-846 8270D/ Tri Chrome Calc./	

CASE NARRATIVE SUMMARY

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

SW-846 8260CL

Qualifications:L

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not / affected since all results are "not detected" for associated samples in this batch and bias is on the high side./

Analyte & Samples(s) Qualified:L**2-Butanone (MEK), 2-Hexanone (MBK), AcetoneL**

B118396-BS1, B118396-BSD1/

Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does / meet difficult compound criteria./

Analyte & Samples(s) Qualified:L**Bromomethane, Dichlorodifluoromethane (Freon 12)L**

B118396-BS1, B118396-BSD1/

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this / compound./

Analyte & Samples(s) Qualified:L**BromomethaneL**

15C1277-01[2015-Disp-2], B118396-BLK1, B118396-BS1, B118396-BSD1/

Elevated reporting limit based on lowest point in calibration./
MA CAM reporting limit not met./

Analyte & Samples(s) Qualified:L**Carbon Disulfide, Methylene ChlorideL**

15C1277-01[2015-Disp-2]/

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported / result./

Analyte & Samples(s) Qualified:L**1,4-DioxaneL**

15C1277-01[2015-Disp-2], B118396-BLK1, B118396-BS1, B118396-BSD1/

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result / was "not detected" for this compound./

Analyte & Samples(s) Qualified:L**2-Butanone (MEK), 2-Hexanone (MBK), 4-Methyl-2-pentanone (MIBK), Acetone, BromomethaneL**

B118396-BS1, B118396-BSD1/

SW-846 8270DL

Qualifications:L

Elevated reporting limit based on lowest point in calibration./
MA CAM reporting limit not met./

Analyte & Samples(s) Qualified:L**Hexachlorobenzene, Hexachlorobutadiene, PentachlorophenolL**

15C1277-01[2015-Disp-2]/

One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%./

Analyte & Samples(s) Qualified:L**2,4,6-Tribromophenol, p-Terphenyl-d14L**

15C1277-01[2015-Disp-2], B118345-BLK1, B118345-BS1, B118345-BSD1/

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is / associated with the reported value which is likely to be biased on the low side./

Analyte & Samples(s) Qualified:L

Anthracene (low), Phenanthrene (low)L

15C1277-01[2015-Disp-2], B118345-BLK1, B118345-BS1, B118345-BSD1/

Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is / associated with the reported value which is likely to be biased on the high side./

Analyte & Samples(s) Qualified:L

4-NitrophenolL

B118345-BS1, B118345-BSD1/

Continuing calibration did not meet method specifications and was biased on the high side. /Data validation is not affected since sample result / was "not detected" for this compound./

Analyte & Samples(s) Qualified:L

4-NitrophenolL

15C1277-01[2015-Disp-2], B118345-BLK1/

SW-846 8260CL

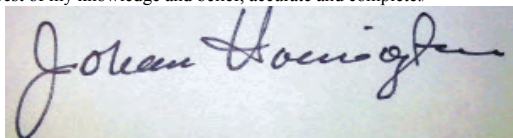
Laboratory control sample recoveries for required MCP Data Enhancement 8260 compounds were all within limits specified by the method except for "difficult analytes" where / recovery control limits of 40-160% are used and/or unless otherwise listed in this narrative. /Difficult analytes: MIBK, MEK, acetone, 1,4-dioxane, chloromethane, / dichlorodifluoromethane, 2-hexanone, and bromomethane./

SW-846 8270DL

Laboratory control sample recoveries for required MCP Data Enhancement 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals / and 30-130% for acids except for "difficult analytes" listed below and/or otherwise listed in this narrative. Difficult analytes limits are 15 and 140%: 2,4-dinitrophenol, / 4-chloroaniline, 4-nitrophenol, and phenol./

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing./

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed / in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the / best of my knowledge and belief, accurate and complete./



Johanna K. Harrington/
Manager, Laboratory Reporting/

Project Location: NSTAR Station 282/

Sample Description:/

Work Order: 15C1277/

Date Received: 3/31/2015/

Field Sample #: 2015-Disp-2L

Sample ID: 15C1277-01L

Start Date/Time: 3/31/2015 1:20:00PM /

Sample Matrix: Ground Water/

Stop Date/Time: 3/31/2015 2:00:00PM/

Volatile Organic Compounds by GC/MSL

AnalyteL	ResultsL	RL	UnitsL	DilutionL	FlagL	MethodL	DateL PreparedL	Date/TimeL AnalyzedL	AnalystL
Acetone/	ND/	10/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
tert-Amyl Methyl Ether (TAME)/	ND/	0.50/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
Benzene/	ND/	1.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
Bromobenzene/	ND/	1.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
Bromochloromethane/	ND/	1.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
Bromodichloromethane/	ND/	1.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
Bromoform/	ND/	1.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
Bromomethane/	ND/	2.0/	µg/L/	1/	R-05/	SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
2-Butanone (MEK)/	ND/	10/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
n-Butylbenzene/	ND/	1.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
sec-Butylbenzene/	ND/	1.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
tert-Butylbenzene/	ND/	1.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
tert-Butyl Ethyl Ether (TBEE)/	ND/	0.50/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
Carbon Disulfide/	ND/	5.0/	µg/L/	1/	RL-07/	SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
Carbon Tetrachloride/	ND/	1.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
Chlorobenzene/	ND/	1.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
Chlorodibromomethane/	ND/	1.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
Chloroethane/	ND/	2.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
Chloroform/	ND/	2.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
Chloromethane/	ND/	2.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
2-Chlorotoluene/	ND/	1.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
4-Chlorotoluene/	ND/	1.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
1,2-Dibromo-3-chloropropane (DBCP)/	ND/	2.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
1,2-Dibromoethane (EDB)/	ND/	0.50/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
Dibromomethane/	ND/	1.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
1,2-Dichlorobenzene/	ND/	1.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
1,3-Dichlorobenzene/	ND/	1.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
1,4-Dichlorobenzene/	ND/	1.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
Dichlorodifluoromethane (Freon 12)/	ND/	2.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
1,1-Dichloroethane/	ND/	1.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
1,2-Dichloroethane/	ND/	1.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
1,1-Dichloroethylene/	ND/	1.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
cis-1,2-Dichloroethylene/	ND/	1.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
trans-1,2-Dichloroethylene/	ND/	1.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
1,2-Dichloropropane/	ND/	1.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
1,3-Dichloropropane/	ND/	0.50/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
2,2-Dichloropropane/	ND/	1.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
1,1-Dichloropropene/	ND/	0.50/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
cis-1,3-Dichloropropene/	ND/	0.40/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
trans-1,3-Dichloropropene/	ND/	0.40/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
Diethyl Ether/	ND/	2.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
Diisopropyl Ether (DIPE)/	ND/	0.50/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
1,4-Dioxane/	ND/	50/	µg/L/	1/	V-16/	SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
Ethylbenzene/	ND/	1.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/

Project Location: NSTAR Station 282/

Sample Description:/

Work Order: 15C1277/

Date Received: 3/31/2015/

Field Sample #: 2015-Disp-2L

Sample ID: 15C1277-01L

Start Date/Time: 3/31/2015 1:20:00PM /

Sample Matrix: Ground Water/

Stop Date/Time: 3/31/2015 2:00:00PM/

Volatile Organic Compounds by GC/MSL

AnalyteL	ResultsL	RL	UnitsL	DilutionL	FlagL	MethodL	DateL PreparedL	Date/TimeL AnalyzedL	AnalystL
Hexachlorobutadiene/	ND/	0.50/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
2-Hexanone (MBK)/	ND/	10/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
Isopropylbenzene (Cumene)/	ND/	1.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
p-Isopropyltoluene (p-Cymene)/	ND/	1.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
Methyl tert-Butyl Ether (MTBE)/	ND/	1.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
Methylene Chloride/	ND/	5.0/	µg/L/	1/	RL-07/	SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
4-Methyl-2-pentanone (MIBK)/	ND/	10/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
Naphthalene/	ND/	2.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
n-Propylbenzene/	ND/	1.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
Styrene/	ND/	1.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
1,1,1,2-Tetrachloroethane/	ND/	1.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
1,1,2,2-Tetrachloroethane/	ND/	0.50/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
Tetrachloroethylene/	ND/	1.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
Tetrahydrofuran/	ND/	2.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
Toluene/	ND/	1.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
1,2,3-Trichlorobenzene/	ND/	2.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
1,2,4-Trichlorobenzene/	ND/	1.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
1,1,1-Trichloroethane/	ND/	1.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
1,1,2-Trichloroethane/	ND/	1.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
Trichloroethylene/	ND/	1.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
Trichlorofluoromethane (Freon 11)/	ND/	2.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
1,2,3-Trichloropropane/	ND/	2.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
1,2,4-Trimethylbenzene/	ND/	1.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
1,3,5-Trimethylbenzene/	ND/	1.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
Vinyl Chloride/	ND/	2.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
m+p Xylene/	ND/	2.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
o-Xylene/	ND/	1.0/	µg/L/	1/		SW-846 8260C/	4/2/15/	4/2/15 23:34/	LBD/
SurrogatesL	% RecoveryL	Recovery LimitsL	FlagL						
1,2-Dichloroethane-d4/	105/	70-130/							
Toluene-d8/	98.7/	70-130/							
4-Bromofluorobenzene/	94.8/	70-130/							

Project Location: NSTAR Station 282/

Sample Description:/

Work Order: 15C1277/

Date Received: 3/31/2015/

Field Sample #: 2015-Disp-2L

Sample ID: 15C1277-01L

Start Date/Time: 3/31/2015 1:20:00PM /

Sample Matrix: Ground Water/

Stop Date/Time: 3/31/2015 2:00:00PM/

Semivolatile Organic Compounds by GC/MSL

AnalyteL	ResultsL	RL	UnitsL	DilutionL	FlagL	MethodL	DateL PreparedL	Date/TimeL AnalyzedL	AnalystL
Acenaphthene (low)/	ND/	0.30/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 18:22/	CMR/
Acenaphthylene (low)/	ND/	0.30/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 18:22/	CMR/
Acetophenone/	ND/	10/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 17:01/	CMR/
Aniline/	ND/	5.0/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 17:01/	CMR/
Anthracene (low)/	ND/	0.20/	µg/L/	1/	V-05/	SW-846 8270D/	4/2/15/	4/2/15 18:22/	CMR/
Benzo(a)anthracene (low)/	ND/	0.050/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 18:22/	CMR/
Benzo(a)pyrene (low)/	ND/	0.10/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 18:22/	CMR/
Benzo(b)fluoranthene (low)/	ND/	0.050/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 18:22/	CMR/
Benzo(g,h,i)perylene (low)/	ND/	0.50/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 18:22/	CMR/
Benzo(k)fluoranthene (low)/	ND/	0.20/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 18:22/	CMR/
Bis(2-chloroethoxy)methane/	ND/	10/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 17:01/	CMR/
Bis(2-chloroethyl)ether/	ND/	10/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 17:01/	CMR/
Bis(2-chloroisopropyl)ether/	ND/	10/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 17:01/	CMR/
Bis(2-Ethylhexyl)phthalate/	ND/	2.0/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 17:01/	CMR/
4-Bromophenylphenylether/	ND/	10/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 17:01/	CMR/
Butylbenzylphthalate/	ND/	10/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 17:01/	CMR/
4-Chloroaniline/	ND/	10/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 17:01/	CMR/
2-Chloronaphthalene/	ND/	10/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 17:01/	CMR/
2-Chlorophenol/	ND/	10/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 17:01/	CMR/
Chrysene (low)/	ND/	0.20/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 18:22/	CMR/
Dibenz(a,h)anthracene (low)/	ND/	0.10/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 18:22/	CMR/
Dibenzofuran/	ND/	5.0/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 17:01/	CMR/
Di-n-butylphthalate/	ND/	10/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 17:01/	CMR/
1,2-Dichlorobenzene/	ND/	5.0/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 17:01/	CMR/
1,3-Dichlorobenzene/	ND/	5.0/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 17:01/	CMR/
1,4-Dichlorobenzene/	ND/	5.0/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 17:01/	CMR/
3,3-Dichlorobenzidine/	ND/	10/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 17:01/	CMR/
2,4-Dichlorophenol/	ND/	10/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 17:01/	CMR/
Diethylphthalate/	ND/	10/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 17:01/	CMR/
2,4-Dimethylphenol/	ND/	10/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 17:01/	CMR/
Dimethylphthalate/	ND/	10/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 17:01/	CMR/
2,4-Dinitrophenol/	ND/	10/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 17:01/	CMR/
2,4-Dinitrotoluene/	ND/	10/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 17:01/	CMR/
2,6-Dinitrotoluene/	ND/	10/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 17:01/	CMR/
Di-n-octylphthalate/	ND/	10/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 17:01/	CMR/
1,2-Diphenylhydrazine (as Azobenzene)/	ND/	10/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 17:01/	CMR/
Fluoranthene/	ND/	5.0/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 17:01/	CMR/
Fluoranthene (low)/	ND/	0.50/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 18:22/	CMR/
Fluorene (low)/	ND/	1.0/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 18:22/	CMR/
Hexachlorobenzene/	ND/	2.0/	µg/L/	1/	RL-07/	SW-846 8270D/	4/2/15/	4/2/15 17:01/	CMR/
Hexachlorobutadiene/	ND/	2.0/	µg/L/	1/	RL-07/	SW-846 8270D/	4/2/15/	4/2/15 17:01/	CMR/
Hexachloroethane/	ND/	2.0/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 17:01/	CMR/
Indeno(1,2,3-cd)pyrene (low)/	ND/	0.20/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 18:22/	CMR/
Isophorone/	ND/	10/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 17:01/	CMR/

Project Location: NSTAR Station 282/

Sample Description:/

Work Order: 15C1277/

Date Received: 3/31/2015/

Field Sample #: 2015-Disp-2L

Sample ID: 15C1277-01L

Start Date/Time: 3/31/2015 1:20:00PM /

Sample Matrix: Ground Water/

Stop Date/Time: 3/31/2015 2:00:00PM/

Semivolatile Organic Compounds by GC/MSL

AnalyteL	ResultsL	RL	UnitsL	DilutionL	FlagL	MethodL	DateL PreparedL	Date/TimeL AnalyzedL	AnalystL
2-Methylnaphthalene (low)/	ND/	1.0/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 18:22/	CMR/
2-Methylphenol/	ND/	10/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 17:01/	CMR/
3/4-Methylphenol/	ND/	10/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 17:01/	CMR/
Naphthalene (low)/	ND/	1.0/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 18:22/	CMR/
Nitrobenzene/	ND/	10/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 17:01/	CMR/
2-Nitrophenol/	ND/	10/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 17:01/	CMR/
4-Nitrophenol/	ND/	10/	µg/L/	1/	V-20/	SW-846 8270D/	4/2/15/	4/2/15 17:01/	CMR/
Pentachlorophenol/	ND/	5.0/	µg/L/	1/	RL-07/	SW-846 8270D/	4/2/15/	4/2/15 17:01/	CMR/
Phenanthrene (low)/	ND/	0.050/	µg/L/	1/	V-05/	SW-846 8270D/	4/2/15/	4/2/15 18:22/	CMR/
Phenol/	ND/	10/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 17:01/	CMR/
Pyrene (low)/	ND/	1.0/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 18:22/	CMR/
1,2,4-Trichlorobenzene/	ND/	5.0/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 17:01/	CMR/
2,4,5-Trichlorophenol/	ND/	10/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 17:01/	CMR/
2,4,6-Trichlorophenol/	ND/	10/	µg/L/	1/		SW-846 8270D/	4/2/15/	4/2/15 17:01/	CMR/

SurrogatesL	% RecoveryL	Recovery LimitsL	FlagL
2-Fluorophenol/	49.5/	15-110/	
Phenol-d6/	32.8/	15-110/	
Nitrobenzene-d5/	121/	30-130/	
Nitrobenzene-d5 (low)/	78.4/	30-130/	
2-Fluorobiphenyl/	120/	30-130/	
2-Fluorobiphenyl (low)/	88.3/	30-130/	
2,4,6-TribromophenolL	135L */	15-110/	S-07/
p-Terphenyl-d14L	148L */	30-130/	S-07/
p-Terphenyl-d14 (low)/	95.0/	30-130/	

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

Project Location: NSTAR Station 282/

Sample Description:/

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Field Sample #: 2015-Disp-2L

Sample ID: 15C1277-01L

Start Date/Time: 3/31/2015 1:20:00PM /

Sample Matrix: Ground Water/

Stop Date/Time: 3/31/2015 2:00:00PM/

1,4-Dioxane by isotope dilution GC/MSL

AnalyteL	ResultsL	RL	UnitsL	DilutionL	FlagL	MethodL	DateL PreparedL	Date/TimeL AnalyzedL	AnalystL
1,4-Dioxane/	ND/	0.20/	µg/L/	1/		SW-846 8270D/	3/31/15/	4/1/15 11:36/	CJM/
SurrogatesL	% RecoveryL	Recovery LimitsL	FlagL						
1,4-Dioxane-d8/	24.9/	15-110/						4/1/15 11:36/	

Project Location: NSTAR Station 282/

Sample Description:/

Work Order: 15C1277/

Date Received: 3/31/2015/

Field Sample #: 2015-Disp-2L

Sample ID: 15C1277-01L

Start Date/Time: 3/31/2015 1:20:00PM /

Sample Matrix: Ground Water/

Stop Date/Time: 3/31/2015 2:00:00PM/

Polychlorinated Biphenyls By GC/ECDL

AnalyteL	ResultsL	RL	UnitsL	DilutionL	FlagL	MethodL	DateL PreparedL	Date/TimeL AnalyzedL	AnalystL
Aroclor-1016 [1]/	ND/	0.20/	µg/L/	1/		SW-846 8082A/	4/1/15/	4/2/15 15:07/	JMB/
Aroclor-1221 [1]/	ND/	0.20/	µg/L/	1/		SW-846 8082A/	4/1/15/	4/2/15 15:07/	JMB/
Aroclor-1232 [1]/	ND/	0.20/	µg/L/	1/		SW-846 8082A/	4/1/15/	4/2/15 15:07/	JMB/
Aroclor-1242 [1]/	ND/	0.20/	µg/L/	1/		SW-846 8082A/	4/1/15/	4/2/15 15:07/	JMB/
Aroclor-1248 [1]/	ND/	0.20/	µg/L/	1/		SW-846 8082A/	4/1/15/	4/2/15 15:07/	JMB/
Aroclor-1254 [1]/	ND/	0.20/	µg/L/	1/		SW-846 8082A/	4/1/15/	4/2/15 15:07/	JMB/
Aroclor-1260 [1]/	ND/	0.20/	µg/L/	1/		SW-846 8082A/	4/1/15/	4/2/15 15:07/	JMB/
Aroclor-1262 [1]/	ND/	0.20/	µg/L/	1/		SW-846 8082A/	4/1/15/	4/2/15 15:07/	JMB/
Aroclor-1268 [1]/	ND/	0.20/	µg/L/	1/		SW-846 8082A/	4/1/15/	4/2/15 15:07/	JMB/
SurrogatesL	% RecoveryL	Recovery LimitsL			FlagL				
Decachlorobiphenyl [1]/	73.8/	30-150/						4/2/15 15:07/	
Decachlorobiphenyl [2]/	71.0/	30-150/						4/2/15 15:07/	
Tetrachloro-m-xylene [1]/	91.5/	30-150/						4/2/15 15:07/	
Tetrachloro-m-xylene [2]/	91.8/	30-150/						4/2/15 15:07/	

Project Location: NSTAR Station 282/

Sample Description:/

Work Order: 15C1277/

Date Received: 3/31/2015/

Field Sample #: 2015-Disp-2L

Sample ID: 15C1277-01L

Start Date/Time: 3/31/2015 1:20:00PM /

Sample Matrix: Ground Water/

Stop Date/Time: 3/31/2015 2:00:00PM/

Metals Analyses (Total)L

AnalyteL	ResultsL	RL	UnitsL	DilutionL	FlagL	MethodL	DateL PreparedL	Date/TimeL AnalyzedL	AnalystL
Antimony/	ND/	1.0/	µg/L/	1/		SW-846 6020A/	4/1/15/	4/3/15 11:43/	KSH/
Arsenic/	1.7/	0.40/	µg/L/	1/		SW-846 6020A/	4/1/15/	4/3/15 11:43/	KSH/
Cadmium/	ND/	0.50/	µg/L/	1/		SW-846 6020A/	4/1/15/	4/3/15 11:43/	KSH/
Chromium/	6.0/	1.0/	µg/L/	1/		SW-846 6020A/	4/1/15/	4/3/15 11:43/	KSH/
Chromium, Trivalent/	0.0060/		mg/L/	1/		Tri Chrome Calc./	4/2/15/	4/3/15 12:33/	AMP/
Copper/	12/	5.0/	µg/L/	1/		SW-846 6020A/	4/1/15/	4/3/15 11:43/	KSH/
Iron/	4.2/	0.050/	mg/L/	1/		SW-846 6010C/	4/2/15/	4/3/15 13:02/	MJH/
Lead/	12/	1.0/	µg/L/	1/		SW-846 6020A/	4/1/15/	4/3/15 11:43/	KSH/
Mercury/	ND/	0.00010/	mg/L/	1/		SW-846 7470A/	4/1/15/	4/2/15 13:10/	SCB/
Nickel/	5.2/	5.0/	µg/L/	1/		SW-846 6020A/	4/1/15/	4/3/15 11:43/	KSH/
Selenium/	ND/	5.0/	µg/L/	1/		SW-846 6020A/	4/1/15/	4/3/15 11:43/	KSH/
Silver/	ND/	0.50/	µg/L/	1/		SW-846 6020A/	4/1/15/	4/3/15 11:43/	KSH/
Zinc/	38/	10/	µg/L/	1/		SW-846 6020A/	4/1/15/	4/3/15 11:43/	KSH/

Project Location: NSTAR Station 282/

Sample Description:/

Work Order: 15C1277/

Date Received: 3/31/2015/

Field Sample #: 2015-Disp-2L

Sample ID: 15C1277-01L

Start Date/Time: 3/31/2015 1:20:00PM /

Sample Matrix: Ground Water/

Stop Date/Time: 3/31/2015 2:00:00PM/

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

AnalyteL	ResultsL	RL	UnitsL	DilutionL	FlagL	MethodL	DateL PreparedL	Date/TimeL AnalyzedL	AnalystL
Chloride/	11/	1.0/	mg/L/	1/		SM21-22 4500 CL B/	4/3/15/	4/3/15 13:15/	ABH/
Chlorine, Residual/	ND/	0.020/	mg/L/	1/		SM21-22 4500 CL G/	3/31/15/	3/31/15 22:40/	DJM/
Cyanide/	ND/	0.010/ 0.0070/	mg/L/	1/		SM21-22 4500 CN E/	4/1/15/	4/2/15 13:45/	ABH/
Hexavalent Chromium/	ND/	0.0040/	mg/L/	1/		SM21-22 3500 Cr B/	4/1/15/	4/1/15 13:00/	LL/
Phenol/	ND/	0.050/	mg/L/	1/		EPA 420.1/	4/2/15/	4/3/15 13:30/	LL/
Total Suspended Solids/	86/	10/	mg/L/	1/		SM21-22 2540D/	4/1/15/	4/1/15 15:35/	ABH/
Silica Gel Treated HEM (SGT-HEM)/	ND/	1.6/	mg/L/	1/		EPA 1664B/	4/2/15/	4/2/15 10:00/	LL/

Project Location: NSTAR Station 282/

Sample Description:/

Work Order: 15C1277/

Date Received: 3/31/2015/

Field Sample #: 2015-Disp-2L

Sample ID: 15C1277-01L

Start Date/Time: 3/31/2015 1:20:00PM /

Sample Matrix: Ground Water/

Stop Date/Time: 3/31/2015 2:00:00PM/

Drinking Water Organics EPA 504.1L

AnalyteL	ResultsL	RL	UnitsL	DilutionL	FlagL	MethodL	DateL PreparedL	Date/TimeL AnalyzedL	AnalystL
1,2-Dibromoethane (EDB) (1)/	ND/	0.020/	µg/L/	1/		EPA 504.1/	4/2/15/	4/2/15 19:23/	JMB/
SurrogatesL	% RecoveryL	Recovery LimitsL	FlagL						
1,3-Dibromopropane (1)/	112/	70-130/						4/2/15 19:23/	
1,3-Dibromopropane (2)/	111/	70-130/						4/2/15 19:23/	

Sample Extraction DataL

EPA 1664B

Lab Number [Field ID]L	BatchL	Initial [mL]L	DateL
15C1277-01 [2015-Disp-2]/	B118346/	900/	04/02/15/

EPA 420.1

Lab Number [Field ID]L	BatchL	Initial [mL]L	Final [mL]L	DateL
15C1277-01 [2015-Disp-2]/	B118349/	50.0/	50.0/	04/02/15/

Prep Method: EPA 504 water-EPA 504.1

Lab Number [Field ID]L	BatchL	Initial [mL]L	Final [mL]L	DateL
15C1277-01 [2015-Disp-2]/	B118360/	35.0/	35.0/	04/02/15/

SM21-22 2540D

Lab Number [Field ID]L	BatchL	Initial [mL]L	DateL
15C1277-01 [2015-Disp-2]/	B118283/	50.0/	04/01/15/

SM21-22 3500 Cr B

Lab Number [Field ID]L	BatchL	Initial [mL]L	Final [mL]L	DateL
15C1277-01 [2015-Disp-2]/	B118245/	50.0/	50.0/	04/01/15/

SM21-22 4500 CL B

Lab Number [Field ID]L	BatchL	Initial [mL]L	Final [mL]L	DateL
15C1277-01 [2015-Disp-2]/	B118514/	100/	100/	04/03/15/

SM21-22 4500 CL G

Lab Number [Field ID]L	BatchL	Initial [mL]L	Final [mL]L	DateL
15C1277-01 [2015-Disp-2]/	B118227/	100/	100/	03/31/15/

SM21-22 4500 CN E

Lab Number [Field ID]L	BatchL	Initial [mL]L	Final [mL]L	DateL
15C1277-01 [2015-Disp-2]/	B118323/	50.0/	50.0/	04/01/15/

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

Lab Number [Field ID]L	BatchL	Initial [mL]L	Final [mL]L	DateL
15C1277-01 [2015-Disp-2]/	B118415/	50.0/	50.0/	04/02/15/

Sample Extraction DataL

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

Lab Number [Field ID]L	BatchL	Initial [mL]L	Final [mL]L	DateL
15C1277-01 [2015-Disp-2]/	B118329/	50.0/	50.0/	04/01/15/

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

Lab Number [Field ID]L	BatchL	Initial [mL]L	Final [mL]L	DateL
15C1277-01 [2015-Disp-2]/	B118255/	6.00/	6.00/	04/01/15/

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

Lab Number [Field ID]L	BatchL	Initial [mL]L	Final [mL]L	DateL
15C1277-01 [2015-Disp-2]/	B118326/	1000/	10.0/	04/01/15/

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]L	BatchL	Initial [mL]L	Final [mL]L	DateL
15C1277-01 [2015-Disp-2]/	B118396/	5/	5.00/	04/02/15/

Prep Method: SW-846 3510C-SW-846 8270D

Media :BL

Lab Number [Field ID]L	BatchL			DateL
15C1277-01 [2015-Disp-2]/	B118231/			03/31/15/

Prep Method: SW-846 3510C-SW-846 8270D

Lab Number [Field ID]L	BatchL	Initial [mL]L	Final [mL]L	DateL
15C1277-01 [2015-Disp-2]/	B118345/	1000/	1.00/	04/02/15/

Prep Method: SW-846 3005A-Tri Chrome Calc.

Lab Number [Field ID]L	BatchL	Initial [mL]L	Final [mL]L	DateL
15C1277-01 [2015-Disp-2]/	B118407/	1.00/	1.00/	04/02/15/

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte/	Result/	Reporting/ Limit/	Units/	Spike/ Level/	Source/ Result/	%REC/ Limits/	RPD/ Limit/	Notes /
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Batch B118396 - SW-846 5030BL
Blank (B118396-BLK1) L

Prepared & Analyzed: 04/02/15 /

Acetone/	ND/	10/	µg/L/					
tert-Amyl Methyl Ether (TAME)/	ND/	0.50/	µg/L/					
Benzene/	ND/	1.0/	µg/L/					
Bromobenzene/	ND/	1.0/	µg/L/					
Bromochloromethane/	ND/	1.0/	µg/L/					
Bromodichloromethane/	ND/	1.0/	µg/L/					
Bromoform/	ND/	1.0/	µg/L/					
Bromomethane/	ND/	2.0/	µg/L/					R-05/
2-Butanone (MEK)/	ND/	10/	µg/L/					
n-Butylbenzene/	ND/	1.0/	µg/L/					
sec-Butylbenzene/	ND/	1.0/	µg/L/					
tert-Butylbenzene/	ND/	1.0/	µg/L/					
tert-Butyl Ethyl Ether (TBEE)/	ND/	0.50/	µg/L/					
Carbon Disulfide/	ND/	5.0/	µg/L/					
Carbon Tetrachloride/	ND/	1.0/	µg/L/					
Chlorobenzene/	ND/	1.0/	µg/L/					
Chlorodibromomethane/	ND/	0.50/	µg/L/					
Chloroethane/	ND/	2.0/	µg/L/					
Chloroform/	ND/	2.0/	µg/L/					
Chloromethane/	ND/	2.0/	µg/L/					
2-Chlorotoluene/	ND/	1.0/	µg/L/					
4-Chlorotoluene/	ND/	1.0/	µg/L/					
1,2-Dibromo-3-chloropropane (DBCP)/	ND/	2.0/	µg/L/					
1,2-Dibromoethane (EDB)/	ND/	0.50/	µg/L/					
Dibromomethane/	ND/	1.0/	µg/L/					
1,2-Dichlorobenzene/	ND/	1.0/	µg/L/					
1,3-Dichlorobenzene/	ND/	1.0/	µg/L/					
1,4-Dichlorobenzene/	ND/	1.0/	µg/L/					
Dichlorodifluoromethane (Freon 12)/	ND/	2.0/	µg/L/					
1,1-Dichloroethane/	ND/	1.0/	µg/L/					
1,2-Dichloroethane/	ND/	1.0/	µg/L/					
1,1-Dichloroethylene/	ND/	1.0/	µg/L/					
cis-1,2-Dichloroethylene/	ND/	1.0/	µg/L/					
trans-1,2-Dichloroethylene/	ND/	1.0/	µg/L/					
1,2-Dichloropropane/	ND/	1.0/	µg/L/					
1,3-Dichloropropane/	ND/	0.50/	µg/L/					
2,2-Dichloropropane/	ND/	1.0/	µg/L/					
1,1-Dichloropropene/	ND/	0.50/	µg/L/					
cis-1,3-Dichloropropene/	ND/	0.40/	µg/L/					
trans-1,3-Dichloropropene/	ND/	0.40/	µg/L/					
Diethyl Ether/	ND/	2.0/	µg/L/					
Diisopropyl Ether (DIPE)/	ND/	0.50/	µg/L/					
1,4-Dioxane/	ND/	50/	µg/L/					V-16/
Ethylbenzene/	ND/	1.0/	µg/L/					
Hexachlorobutadiene/	ND/	0.50/	µg/L/					
2-Hexanone (MBK)/	ND/	10/	µg/L/					
Isopropylbenzene (Cumene)/	ND/	1.0/	µg/L/					
p-Isopropyltoluene (p-Cymene)/	ND/	1.0/	µg/L/					
Methyl tert-Butyl Ether (MTBE)/	ND/	1.0/	µg/L/					
Methylene Chloride/	ND/	5.0/	µg/L/					
4-Methyl-2-pentanone (MIBK)/	ND/	10/	µg/L/					
Naphthalene/	ND/	2.0/	µg/L/					

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte/	Result/	Reporting/ Limit/	Units/	Spike/ Level/	Source/ Result/	%REC/ Limits/	RPD/ Limit/	Notes /
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Batch B118396 - SW-846 5030BL
Blank (B118396-BLK1) L

Prepared & Analyzed: 04/02/15 /

n-Propylbenzene/	ND/	1.0/	µg/L/					
Styrene/	ND/	1.0/	µg/L/					
1,1,1,2-Tetrachloroethane/	ND/	1.0/	µg/L/					
1,1,2,2-Tetrachloroethane/	ND/	0.50/	µg/L/					
Tetrachloroethylene/	ND/	1.0/	µg/L/					
Tetrahydrofuran/	ND/	2.0/	µg/L/					
Toluene/	ND/	1.0/	µg/L/					
1,2,3-Trichlorobenzene/	ND/	2.0/	µg/L/					
1,2,4-Trichlorobenzene/	ND/	1.0/	µg/L/					
1,1,1-Trichloroethane/	ND/	1.0/	µg/L/					
1,1,2-Trichloroethane/	ND/	1.0/	µg/L/					
Trichloroethylene/	ND/	1.0/	µg/L/					
Trichlorofluoromethane (Freon 11)/	ND/	2.0/	µg/L/					
1,2,3-Trichloropropane/	ND/	2.0/	µg/L/					
1,2,4-Trimethylbenzene/	ND/	1.0/	µg/L/					
1,3,5-Trimethylbenzene/	ND/	1.0/	µg/L/					
Vinyl Chloride/	ND/	2.0/	µg/L/					
m+p Xylene/	ND/	2.0/	µg/L/					
o-Xylene/	ND/	1.0/	µg/L/					
Surrogate: 1,2-Dichloroethane-d4/	25.2/		µg/L/	25.0/		101/	70-130/	
Surrogate: Toluene-d8/	24.7/		µg/L/	25.0/		98.9/	70-130/	
Surrogate: 4-Bromofluorobenzene/	23.9/		µg/L/	25.0/		95.4/	70-130/	

LCS (B118396-BS1) L

Prepared & Analyzed: 04/02/15 /

AcetoneL	244/	10/	µg/L/	100/		244L */	40-160/	L-02, V-20/ †/
tert-Amyl Methyl Ether (TAME)/	11.2/	0.50/	µg/L/	10.0/		112/	70-130/	
Benzene/	10.2/	1.0/	µg/L/	10.0/		102/	70-130/	
Bromobenzene/	10.8/	1.0/	µg/L/	10.0/		108/	70-130/	
Bromochloromethane/	11.8/	1.0/	µg/L/	10.0/		118/	70-130/	
Bromodichloromethane/	11.7/	1.0/	µg/L/	10.0/		117/	70-130/	
Bromoform/	11.8/	1.0/	µg/L/	10.0/		118/	70-130/	
Bromomethane/	6.79/	2.0/	µg/L/	10.0/		67.9/	40-160/	L-14, R-05, V-20/ †/
2-Butanone (MEK)L	173/	10/	µg/L/	100/		173L */	40-160/	L-02, V-20/ †/
n-Butylbenzene/	11.8/	1.0/	µg/L/	10.0/		118/	70-130/	
sec-Butylbenzene/	12.0/	1.0/	µg/L/	10.0/		120/	70-130/	
tert-Butylbenzene/	11.6/	1.0/	µg/L/	10.0/		116/	70-130/	
tert-Butyl Ethyl Ether (TBEE)/	11.7/	0.50/	µg/L/	10.0/		117/	70-130/	
Carbon Disulfide/	11.8/	5.0/	µg/L/	10.0/		118/	70-130/	
Carbon Tetrachloride/	11.4/	1.0/	µg/L/	10.0/		114/	70-130/	
Chlorobenzene/	11.0/	1.0/	µg/L/	10.0/		110/	70-130/	
Chlorodibromomethane/	10.7/	0.50/	µg/L/	10.0/		107/	70-130/	
Chloroethane/	11.9/	2.0/	µg/L/	10.0/		119/	70-130/	
Chloroform/	11.2/	2.0/	µg/L/	10.0/		112/	70-130/	
Chloromethane/	8.75/	2.0/	µg/L/	10.0/		87.5/	40-160/	†/
2-Chlorotoluene/	11.5/	1.0/	µg/L/	10.0/		115/	70-130/	
4-Chlorotoluene/	11.8/	1.0/	µg/L/	10.0/		118/	70-130/	
1,2-Dibromo-3-chloropropane (DBCP)/	11.4/	2.0/	µg/L/	10.0/		114/	70-130/	
1,2-Dibromoethane (EDB)/	11.4/	0.50/	µg/L/	10.0/		114/	70-130/	
Dibromomethane/	11.2/	1.0/	µg/L/	10.0/		112/	70-130/	
1,2-Dichlorobenzene/	10.9/	1.0/	µg/L/	10.0/		109/	70-130/	
1,3-Dichlorobenzene/	11.3/	1.0/	µg/L/	10.0/		113/	70-130/	
1,4-Dichlorobenzene/	10.8/	1.0/	µg/L/	10.0/		108/	70-130/	

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality ControlL

Analyte/	Result/	Reporting/ Limit/	Units/	Spike/ Level/	Source/ Result/	%REC/ Limits/	RPD/	RPD / Limit/	Notes /
Batch B118396 - SW-846 5030B									
LCS (B118396-BS1) L				Prepared & Analyzed: 04/02/15 /					
Dichlorodifluoromethane (Freon 12)/	7.01/	2.0/	µg/L/	10.0/		70.1/	40-160/		†/
1,1-Dichloroethane/	11.0/	1.0/	µg/L/	10.0/		110/	70-130/		
1,2-Dichloroethane/	11.5/	1.0/	µg/L/	10.0/		115/	70-130/		
1,1-Dichloroethylene/	12.3/	1.0/	µg/L/	10.0/		123/	70-130/		
cis-1,2-Dichloroethylene/	11.4/	1.0/	µg/L/	10.0/		114/	70-130/		
trans-1,2-Dichloroethylene/	11.1/	1.0/	µg/L/	10.0/		111/	70-130/		
1,2-Dichloropropane/	10.8/	1.0/	µg/L/	10.0/		108/	70-130/		
1,3-Dichloropropane/	10.6/	0.50/	µg/L/	10.0/		106/	70-130/		
2,2-Dichloropropane/	11.7/	1.0/	µg/L/	10.0/		117/	70-130/		
1,1-Dichloropropene/	11.9/	0.50/	µg/L/	10.0/		119/	70-130/		
cis-1,3-Dichloropropene/	10.5/	0.40/	µg/L/	10.0/		105/	70-130/		
trans-1,3-Dichloropropene/	12.4/	0.40/	µg/L/	10.0/		124/	70-130/		
Diethyl Ether/	11.9/	2.0/	µg/L/	10.0/		119/	70-130/		
Diisopropyl Ether (DIPE)/	11.3/	0.50/	µg/L/	10.0/		113/	70-130/		
1,4-Dioxane/	109/	50/	µg/L/	100/		109/	40-160/	V-16/	†/
Ethylbenzene/	11.6/	1.0/	µg/L/	10.0/		116/	70-130/		
Hexachlorobutadiene/	11.4/	0.50/	µg/L/	10.0/		114/	70-130/		
2-Hexanone (MBK)L	175/	10/	µg/L/	100/		175L */	40-160/	L-02, V-20/	†/
Isopropylbenzene (Cumene)/	12.0/	1.0/	µg/L/	10.0/		120/	70-130/		
p-Isopropyltoluene (p-Cymene)/	11.8/	1.0/	µg/L/	10.0/		118/	70-130/		
Methyl tert-Butyl Ether (MTBE)/	11.0/	1.0/	µg/L/	10.0/		110/	70-130/		
Methylene Chloride/	10.6/	5.0/	µg/L/	10.0/		106/	70-130/		
4-Methyl-2-pentanone (MIBK)/	123/	10/	µg/L/	100/		123/	40-160/	V-20/	†/
Naphthalene/	12.2/	2.0/	µg/L/	10.0/		122/	70-130/		
n-Propylbenzene/	12.0/	1.0/	µg/L/	10.0/		120/	70-130/		
Styrene/	11.6/	1.0/	µg/L/	10.0/		116/	70-130/		
1,1,1,2-Tetrachloroethane/	11.1/	1.0/	µg/L/	10.0/		111/	70-130/		
1,1,2,2-Tetrachloroethane/	10.8/	0.50/	µg/L/	10.0/		108/	70-130/		
Tetrachloroethylene/	11.2/	1.0/	µg/L/	10.0/		112/	70-130/		
Tetrahydrofuran/	12.1/	2.0/	µg/L/	10.0/		121/	70-130/		
Toluene/	11.1/	1.0/	µg/L/	10.0/		111/	70-130/		
1,2,3-Trichlorobenzene/	11.3/	2.0/	µg/L/	10.0/		113/	70-130/		
1,2,4-Trichlorobenzene/	11.2/	1.0/	µg/L/	10.0/		112/	70-130/		
1,1,1-Trichloroethane/	11.4/	1.0/	µg/L/	10.0/		114/	70-130/		
1,1,2-Trichloroethane/	10.8/	1.0/	µg/L/	10.0/		108/	70-130/		
Trichloroethylene/	10.8/	1.0/	µg/L/	10.0/		108/	70-130/		
Trichlorofluoromethane (Freon 11)/	12.6/	2.0/	µg/L/	10.0/		126/	70-130/		
1,2,3-Trichloropropane/	11.3/	2.0/	µg/L/	10.0/		113/	70-130/		
1,2,4-Trimethylbenzene/	12.1/	1.0/	µg/L/	10.0/		121/	70-130/		
1,3,5-Trimethylbenzene/	11.8/	1.0/	µg/L/	10.0/		118/	70-130/		
Vinyl Chloride/	10.0/	2.0/	µg/L/	10.0/		100/	70-130/		
m+p Xylene/	23.9/	2.0/	µg/L/	20.0/		120/	70-130/		
o-Xylene/	11.8/	1.0/	µg/L/	10.0/		118/	70-130/		
Surrogate: 1,2-Dichloroethane-d4/	25.7.		µg/L/	25.0/		103/	70-130/		
Surrogate: Toluene-d8/	25.1.		µg/L/	25.0/		100/	70-130/		
Surrogate: 4-Bromofluorobenzene/	24.9.		µg/L/	25.0/		99.6/	70-130/		

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte/	Result/	Reporting/ Limit/	Units/	Spike/ Level/	Source/ Result/	%REC/ Limits/	RPD/	RPD / Limit/	Notes /
Batch B118396 - SW-846 5030B									
LCS Dup (B118396-BSD1) L									
Prepared & Analyzed: 04/02/15 /									
AcetoneL	227/	10/	µg/L/	100/	227L	*/ 40-160/	7.47/	20/	L-02, V-20/ †/
tert-Amyl Methyl Ether (TAME)/	11.4/	0.50/	µg/L/	10.0/	114/	70-130/	1.41/	20/	
Benzene/	10.1/	1.0/	µg/L/	10.0/	101/	70-130/	1.48/	20/	
Bromobenzene/	11.0/	1.0/	µg/L/	10.0/	110/	70-130/	1.38/	20/	
Bromochloromethane/	12.2/	1.0/	µg/L/	10.0/	122/	70-130/	3.49/	20/	
Bromodichloromethane/	11.5/	1.0/	µg/L/	10.0/	115/	70-130/	1.64/	20/	
Bromoform/	12.1/	1.0/	µg/L/	10.0/	121/	70-130/	2.43/	20/	
Bromomethane/	8.35/	2.0/	µg/L/	10.0/	83.5/	40-160/	20.6L	*/ 20/	R-05, V-20/ †/
2-Butanone (MEK)L	164/	10/	µg/L/	100/	164L	*/ 40-160/	5.55/	20/	L-02, V-20/ †/
n-Butylbenzene/	11.9/	1.0/	µg/L/	10.0/	119/	70-130/	0.590/	20/	
sec-Butylbenzene/	12.0/	1.0/	µg/L/	10.0/	120/	70-130/	0.0834/	20/	
tert-Butylbenzene/	11.5/	1.0/	µg/L/	10.0/	115/	70-130/	0.693/	20/	
tert-Butyl Ethyl Ether (TBEE)/	11.9/	0.50/	µg/L/	10.0/	119/	70-130/	1.70/	20/	
Carbon Disulfide/	11.6/	5.0/	µg/L/	10.0/	116/	70-130/	2.05/	20/	
Carbon Tetrachloride/	11.4/	1.0/	µg/L/	10.0/	114/	70-130/	0.263/	20/	
Chlorobenzene/	10.9/	1.0/	µg/L/	10.0/	109/	70-130/	0.640/	20/	
Chlorodibromomethane/	10.9/	0.50/	µg/L/	10.0/	109/	70-130/	2.32/	20/	
Chloroethane/	11.7/	2.0/	µg/L/	10.0/	117/	70-130/	2.03/	20/	
Chloroform/	11.2/	2.0/	µg/L/	10.0/	112/	70-130/	0.714/	20/	
Chloromethane/	8.85/	2.0/	µg/L/	10.0/	88.5/	40-160/	1.14/	20/	†/
2-Chlorotoluene/	11.3/	1.0/	µg/L/	10.0/	113/	70-130/	1.23/	20/	
4-Chlorotoluene/	11.7/	1.0/	µg/L/	10.0/	117/	70-130/	1.44/	20/	
1,2-Dibromo-3-chloropropane (DBCP)/	11.5/	2.0/	µg/L/	10.0/	115/	70-130/	1.05/	20/	
1,2-Dibromoethane (EDB)/	11.3/	0.50/	µg/L/	10.0/	113/	70-130/	0.796/	20/	
Dibromomethane/	11.2/	1.0/	µg/L/	10.0/	112/	70-130/	0.447/	20/	
1,2-Dichlorobenzene/	10.9/	1.0/	µg/L/	10.0/	109/	70-130/	0.183/	20/	
1,3-Dichlorobenzene/	11.2/	1.0/	µg/L/	10.0/	112/	70-130/	0.622/	20/	
1,4-Dichlorobenzene/	10.6/	1.0/	µg/L/	10.0/	106/	70-130/	1.22/	20/	
Dichlorodifluoromethane (Freon 12)/	6.88/	2.0/	µg/L/	10.0/	68.8/	40-160/	1.87/	20/	L-14/ †/
1,1-Dichloroethane/	11.0/	1.0/	µg/L/	10.0/	110/	70-130/	0.00/	20/	
1,2-Dichloroethane/	11.6/	1.0/	µg/L/	10.0/	116/	70-130/	0.606/	20/	
1,1-Dichloroethylene/	12.3/	1.0/	µg/L/	10.0/	123/	70-130/	0.244/	20/	
cis-1,2-Dichloroethylene/	11.2/	1.0/	µg/L/	10.0/	112/	70-130/	2.04/	20/	
trans-1,2-Dichloroethylene/	11.1/	1.0/	µg/L/	10.0/	111/	70-130/	0.360/	20/	
1,2-Dichloropropane/	10.6/	1.0/	µg/L/	10.0/	106/	70-130/	1.40/	20/	
1,3-Dichloropropane/	10.5/	0.50/	µg/L/	10.0/	105/	70-130/	0.380/	20/	
2,2-Dichloropropane/	11.2/	1.0/	µg/L/	10.0/	112/	70-130/	4.37/	20/	
1,1-Dichloropropene/	11.8/	0.50/	µg/L/	10.0/	118/	70-130/	1.09/	20/	
cis-1,3-Dichloropropene/	10.4/	0.40/	µg/L/	10.0/	104/	70-130/	1.15/	20/	
trans-1,3-Dichloropropene/	12.2/	0.40/	µg/L/	10.0/	122/	70-130/	1.30/	20/	
Diethyl Ether/	11.7/	2.0/	µg/L/	10.0/	117/	70-130/	1.35/	20/	
Diisopropyl Ether (DIPE)/	11.2/	0.50/	µg/L/	10.0/	112/	70-130/	0.709/	20/	
1,4-Dioxane/	106/	50/	µg/L/	100/	106/	40-160/	2.36/	20/	V-16/ †/
Ethylbenzene/	11.6/	1.0/	µg/L/	10.0/	116/	70-130/	0.516/	20/	
Hexachlorobutadiene/	11.2/	0.50/	µg/L/	10.0/	112/	70-130/	1.85/	20/	
2-Hexanone (MBK)L	165/	10/	µg/L/	100/	165L	*/ 40-160/	5.93/	20/	L-02, V-20/ †/
Isopropylbenzene (Cumene)/	12.0/	1.0/	µg/L/	10.0/	120/	70-130/	0.501/	20/	
p-Isopropyltoluene (p-Cymene)/	11.8/	1.0/	µg/L/	10.0/	118/	70-130/	0.592/	20/	
Methyl tert-Butyl Ether (MTBE)/	11.0/	1.0/	µg/L/	10.0/	110/	70-130/	0.0913/	20/	
Methylene Chloride/	10.8/	5.0/	µg/L/	10.0/	108/	70-130/	1.69/	20/	
4-Methyl-2-pentanone (MIBK)/	119/	10/	µg/L/	100/	119/	40-160/	2.99/	20/	V-20/ †/
Naphthalene/	12.2/	2.0/	µg/L/	10.0/	122/	70-130/	0.163/	20/	

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte/	Result/	Reporting/ Limit/	Units/	Spike/ Level/	Source/ Result/	%REC/ Limits/	RPD / Limit/	Notes /
Batch B118396 - SW-846 5030B								
LCS Dup (B118396-BSD1) L				Prepared & Analyzed: 04/02/15 /				
n-Propylbenzene/	12.0/	1.0/	µg/L/	10.0/	120/	70-130/	0.250/	20/
Styrene/	11.8/	1.0/	µg/L/	10.0/	118/	70-130/	1.45/	20/
1,1,1,2-Tetrachloroethane/	11.3/	1.0/	µg/L/	10.0/	113/	70-130/	1.70/	20/
1,1,2,2-Tetrachloroethane/	10.7/	0.50/	µg/L/	10.0/	107/	70-130/	1.12/	20/
Tetrachloroethylene/	11.0/	1.0/	µg/L/	10.0/	110/	70-130/	1.53/	20/
Tetrahydrofuran/	11.6/	2.0/	µg/L/	10.0/	116/	70-130/	4.56/	20/
Toluene/	11.0/	1.0/	µg/L/	10.0/	110/	70-130/	1.63/	20/
1,2,3-Trichlorobenzene/	11.6/	2.0/	µg/L/	10.0/	116/	70-130/	2.62/	20/
1,2,4-Trichlorobenzene/	11.3/	1.0/	µg/L/	10.0/	113/	70-130/	0.355/	20/
1,1,1-Trichloroethane/	11.2/	1.0/	µg/L/	10.0/	112/	70-130/	2.39/	20/
1,1,2-Trichloroethane/	10.9/	1.0/	µg/L/	10.0/	109/	70-130/	0.553/	20/
Trichloroethylene/	10.6/	1.0/	µg/L/	10.0/	106/	70-130/	1.87/	20/
Trichlorofluoromethane (Freon 11)/	11.7/	2.0/	µg/L/	10.0/	117/	70-130/	7.32/	20/
1,2,3-Trichloropropane/	11.0/	2.0/	µg/L/	10.0/	110/	70-130/	2.96/	20/
1,2,4-Trimethylbenzene/	12.1/	1.0/	µg/L/	10.0/	121/	70-130/	0.165/	20/
1,3,5-Trimethylbenzene/	11.9/	1.0/	µg/L/	10.0/	119/	70-130/	1.10/	20/
Vinyl Chloride/	9.99/	2.0/	µg/L/	10.0/	99.9/	70-130/	0.300/	20/
m+p Xylene/	24.1/	2.0/	µg/L/	20.0/	120/	70-130/	0.583/	20/
o-Xylene/	11.7/	1.0/	µg/L/	10.0/	117/	70-130/	0.511/	20/
Surrogate: 1,2-Dichloroethane-d4/	25.9.		µg/L/	25.0/	104/	70-130/		
Surrogate: Toluene-d8/	25.2.		µg/L/	25.0/	101/	70-130/		
Surrogate: 4-Bromofluorobenzene/	25.5.		µg/L/	25.0/	102/	70-130/		

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte/	Result/	Reporting/ Limit/	Units/	Spike/ Level/	Source/ Result/	%REC/ Limits/	RPD/ Limit/	RPD / Limit/	Notes /
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Batch B118345 - SW-846 3510CL
Blank (B118345-BLK1) L

Prepared & Analyzed: 04/02/15 /

Acenaphthene (low)/	ND/	0.30/	µg/L/						
Acenaphthylene (low)/	ND/	0.30/	µg/L/						
Acetophenone/	ND/	10/	µg/L/						
Aniline/	ND/	5.0/	µg/L/						
Anthracene (low)/	ND/	0.20/	µg/L/						V-05/
Benzo(a)anthracene (low)/	ND/	0.050/	µg/L/						
Benzo(a)pyrene (low)/	ND/	0.10/	µg/L/						
Benzo(b)fluoranthene (low)/	ND/	0.050/	µg/L/						
Benzo(g,h,i)perylene (low)/	ND/	0.50/	µg/L/						
Benzo(k)fluoranthene (low)/	ND/	0.20/	µg/L/						
Bis(2-chloroethoxy)methane/	ND/	10/	µg/L/						
Bis(2-chloroethyl)ether/	ND/	10/	µg/L/						
Bis(2-chloroisopropyl)ether/	ND/	10/	µg/L/						
Bis(2-Ethylhexyl)phthalate/	ND/	10/	µg/L/						
4-Bromophenylphenylether/	ND/	10/	µg/L/						
Butylbenzylphthalate/	ND/	10/	µg/L/						
4-Chloroaniline/	ND/	10/	µg/L/						
2-Chloronaphthalene/	ND/	10/	µg/L/						
2-Chlorophenol/	ND/	10/	µg/L/						
Chrysene (low)/	ND/	0.20/	µg/L/						
Dibenz(a,h)anthracene (low)/	ND/	0.10/	µg/L/						
Dibenzofuran/	ND/	5.0/	µg/L/						
Di-n-butylphthalate/	ND/	10/	µg/L/						
1,2-Dichlorobenzene/	ND/	5.0/	µg/L/						
1,3-Dichlorobenzene/	ND/	5.0/	µg/L/						
1,4-Dichlorobenzene/	ND/	5.0/	µg/L/						
3,3-Dichlorobenzidine/	ND/	10/	µg/L/						
2,4-Dichlorophenol/	ND/	10/	µg/L/						
Diethylphthalate/	ND/	10/	µg/L/						
2,4-Dimethylphenol/	ND/	10/	µg/L/						
Dimethylphthalate/	ND/	10/	µg/L/						
2,4-Dinitrophenol/	ND/	10/	µg/L/						
2,4-Dinitrotoluene/	ND/	10/	µg/L/						
2,6-Dinitrotoluene/	ND/	10/	µg/L/						
Di-n-octylphthalate/	ND/	10/	µg/L/						
1,2-Diphenylhydrazine (as Azobenzene)/	ND/	10/	µg/L/						
Fluoranthene (low)/	ND/	0.50/	µg/L/						
Fluorene (low)/	ND/	1.0/	µg/L/						
Hexachlorobenzene/	ND/	10/	µg/L/						
Hexachlorobutadiene/	ND/	10/	µg/L/						
Hexachloroethane/	ND/	10/	µg/L/						
Indeno(1,2,3-cd)pyrene (low)/	ND/	0.20/	µg/L/						
Isophorone/	ND/	10/	µg/L/						
2-Methylnaphthalene (low)/	ND/	1.0/	µg/L/						
2-Methylphenol/	ND/	10/	µg/L/						
3/4-Methylphenol/	ND/	10/	µg/L/						
Naphthalene (low)/	ND/	1.0/	µg/L/						
Nitrobenzene/	ND/	10/	µg/L/						
2-Nitrophenol/	ND/	10/	µg/L/						
4-Nitrophenol/	ND/	10/	µg/L/						V-20/
Pentachlorophenol/	ND/	10/	µg/L/						
Phenanthrene (low)/	ND/	0.050/	µg/L/						V-05/

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte/	Result/	Reporting/ Limit/	Units/	Spike/ Level/	Source/ Result/	%REC/ Limits/	RPD/	RPD / Limit/	Notes /
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Batch B118345 - SW-846 3510CL
Blank (B118345-BLK1) L

Prepared & Analyzed: 04/02/15 /

Phenol/	ND/	10/	µg/L/						
Pyrene (low)/	ND/	1.0/	µg/L/						
1,2,4-Trichlorobenzene/	ND/	5.0/	µg/L/						
2,4,5-Trichlorophenol/	ND/	10/	µg/L/						
2,4,6-Trichlorophenol/	ND/	10/	µg/L/						
Surrogate: 2-Fluorophenol/	102.		µg/L/	200/		51.0/	15-110/		
Surrogate: Phenol-d6/	67.2.		µg/L/	200/		33.6/	15-110/		
Surrogate: Nitrobenzene-d5/	114.		µg/L/	100/		114/	30-130/		
Surrogate: Nitrobenzene-d5 (low)/	82.8.		µg/L/	100/		82.8/	30-130/		
Surrogate: 2-Fluorobiphenyl/	112.		µg/L/	100/		112/	30-130/		
Surrogate: 2-Fluorobiphenyl (low)/	95.8.		µg/L/	100/		95.8/	30-130/		
Surrogate: 2,4,6-Tribromophenol	255.		µg/L/	200/		128L */	15-110/		S-07/
Surrogate: p-Terphenyl-d14L	144.		µg/L/	100/		144L */	30-130/		S-07/
Surrogate: p-Terphenyl-d14 (low)/	103		µg/L/	100/		103/	30-130/		

LCS (B118345-BS1) L

Prepared & Analyzed: 04/02/15 /

Acenaphthene (low)/	71.0/	7.5/	µg/L/	100/		71.0/	40-140/		
Acenaphthylene (low)/	124/	7.5/	µg/L/	100/		124/	40-140/		
Acetophenone/	114/	10/	µg/L/	100/		114/	40-140/		
Aniline/	88.1/	5.0/	µg/L/	100/		88.1/	40-140/		
Anthracene (low)/	58.2/	5.0/	µg/L/	100/		58.2/	40-140/		V-05/
Benzo(a)anthracene (low)/	61.8/	1.2/	µg/L/	100/		61.8/	40-140/		
Benzo(a)pyrene (low)/	78.5/	2.5/	µg/L/	100/		78.5/	40-140/		
Benzo(b)fluoranthene (low)/	81.5/	1.2/	µg/L/	100/		81.5/	40-140/		
Benzo(g,h,i)perylene (low)/	74.5/	12/	µg/L/	100/		74.5/	40-140/		
Benzo(k)fluoranthene (low)/	72.8/	5.0/	µg/L/	100/		72.8/	40-140/		
Bis(2-chloroethoxy)methane/	111/	10/	µg/L/	100/		111/	40-140/		
Bis(2-chloroethyl)ether/	109/	10/	µg/L/	100/		109/	40-140/		
Bis(2-chloroisopropyl)ether/	117/	10/	µg/L/	100/		117/	40-140/		
Bis(2-Ethylhexyl)phthalate/	129/	10/	µg/L/	100/		129/	40-140/		
4-Bromophenylphenylether/	114/	10/	µg/L/	100/		114/	40-140/		
Butylbenzylphthalate/	136/	10/	µg/L/	100/		136/	40-140/		
4-Chloroaniline/	110/	10/	µg/L/	100/		110/	15-140/		†/
2-Chloronaphthalene/	93.4/	10/	µg/L/	100/		93.4/	40-140/		
2-Chlorophenol/	88.5/	10/	µg/L/	100/		88.5/	30-130/		
Chrysene (low)/	63.2/	5.0/	µg/L/	100/		63.2/	40-140/		
Dibenz(a,h)anthracene (low)/	77.0/	2.5/	µg/L/	100/		77.0/	40-140/		
Dibenzofuran/	116/	5.0/	µg/L/	100/		116/	40-140/		
Di-n-butylphthalate/	114/	10/	µg/L/	100/		114/	40-140/		
1,2-Dichlorobenzene/	98.1/	5.0/	µg/L/	100/		98.1/	40-140/		
1,3-Dichlorobenzene/	92.5/	5.0/	µg/L/	100/		92.5/	40-140/		
1,4-Dichlorobenzene/	96.1/	5.0/	µg/L/	100/		96.1/	40-140/		
3,3-Dichlorobenzidine/	117/	10/	µg/L/	100/		117/	40-140/		
2,4-Dichlorophenol/	105/	10/	µg/L/	100/		105/	30-130/		
Diethylphthalate/	118/	10/	µg/L/	100/		118/	40-140/		
2,4-Dimethylphenol/	99.2/	10/	µg/L/	100/		99.2/	30-130/		
Dimethylphthalate/	114/	10/	µg/L/	100/		114/	40-140/		
2,4-Dinitrophenol/	87.5/	10/	µg/L/	100/		87.5/	15-140/		†/
2,4-Dinitrotoluene/	116/	10/	µg/L/	100/		116/	40-140/		
2,6-Dinitrotoluene/	108/	10/	µg/L/	100/		108/	40-140/		
Di-n-octylphthalate/	122/	10/	µg/L/	100/		122/	40-140/		
1,2-Diphenylhydrazine (as Azobenzene)/	121/	10/	µg/L/	100/		121/	40-140/		

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte/	Result/	Reporting/ Limit/	Units/	Spike/ Level/	Source/ Result/	%REC/ Limits/	RPD/	RPD / Limit/	Notes /
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Batch B118345 - SW-846 3510C
LCS (B118345-BS1) L

Prepared & Analyzed: 04/02/15 /

Fluoranthene (low)/	61.8/	12/	µg/L/	100/		61.8/	40-140/		
Fluorene (low)/	76.5/	25/	µg/L/	100/		76.5/	40-140/		
Hexachlorobenzene/	109/	10/	µg/L/	100/		109/	40-140/		
Hexachlorobutadiene/	110/	10/	µg/L/	100/		110/	40-140/		
Hexachloroethane/	101/	10/	µg/L/	100/		101/	40-140/		
Indeno(1,2,3-cd)pyrene (low)/	78.8/	5.0/	µg/L/	100/		78.8/	40-140/		
Isophorone/	118/	10/	µg/L/	100/		118/	40-140/		
2-Methylnaphthalene (low)/	63.8/	25/	µg/L/	100/		63.8/	40-140/		
2-Methylphenol/	77.3/	10/	µg/L/	100/		77.3/	30-130/		
3/4-Methylphenol/	77.2/	10/	µg/L/	100/		77.2/	30-130/		
Naphthalene (low)/	59.8/	25/	µg/L/	100/		59.8/	40-140/		
Nitrobenzene/	112/	10/	µg/L/	100/		112/	40-140/		
2-Nitrophenol/	98.0/	10/	µg/L/	100/		98.0/	30-130/		
4-Nitrophenol/	66.9/	10/	µg/L/	100/		66.9/	15-140/		V-06/ †/
Pentachlorophenol/	96.7/	10/	µg/L/	100/		96.7/	30-130/		
Phenanthrene (low)/	55.8/	1.2/	µg/L/	100/		55.8/	40-140/		V-05/
Phenol/	42.6/	10/	µg/L/	100/		42.6/	15-140/		†/
Pyrene (low)/	63.2/	25/	µg/L/	100/		63.2/	40-140/		
1,2,4-Trichlorobenzene/	102/	5.0/	µg/L/	100/		102/	40-140/		
2,4,5-Trichlorophenol/	113/	10/	µg/L/	100/		113/	30-130/		
2,4,6-Trichlorophenol/	109/	10/	µg/L/	100/		109/	30-130/		
Surrogate: 2-Fluorophenol/	109.		µg/L/	200/		54.6/	15-110/		
Surrogate: Phenol-d6/	74.8.		µg/L/	200/		37.4/	15-110/		
Surrogate: Nitrobenzene-d5/	119.		µg/L/	100/		119/	30-130/		
Surrogate: Nitrobenzene-d5 (low)/	77.8.		µg/L/	100/		77.8/	30-130/		
Surrogate: 2-Fluorobiphenyl/	124.		µg/L/	100/		124/	30-130/		
Surrogate: 2-Fluorobiphenyl (low)/	75.8.		µg/L/	100/		75.8/	30-130/		
Surrogate: 2,4,6-Tribromophenol	293.		µg/L/	200/		147L */	15-110/		S-07/
Surrogate: p-Terphenyl-d14L	133.		µg/L/	100/		133L */	30-130/		S-07/
Surrogate: p-Terphenyl-d14 (low)/	77.0		µg/L/	100/		77.0/	30-130/		

LCS Dup (B118345-BSD1) L

Prepared & Analyzed: 04/02/15 /

Acenaphthene (low)/	72.0/	7.5/	µg/L/	100/		72.0/	40-140/	1.40/	20/	
Acenaphthylene (low)/	125/	7.5/	µg/L/	100/		125/	40-140/	0.603/	20/	
Acetophenone/	99.2/	10/	µg/L/	100/		99.2/	40-140/	14.2/	20/	
Aniline/	85.8/	5.0/	µg/L/	100/		85.8/	40-140/	2.71/	20/	
Anthracene (low)/	58.0/	5.0/	µg/L/	100/		58.0/	40-140/	0.430/	20/	V-05/
Benzo(a)anthracene (low)/	62.8/	1.2/	µg/L/	100/		62.8/	40-140/	1.61/	20/	
Benzo(a)pyrene (low)/	80.0/	2.5/	µg/L/	100/		80.0/	40-140/	1.89/	20/	
Benzo(b)fluoranthene (low)/	83.5/	1.2/	µg/L/	100/		83.5/	40-140/	2.42/	20/	
Benzo(g,h,i)perylene (low)/	74.8/	12/	µg/L/	100/		74.8/	40-140/	0.335/	20/	
Benzo(k)fluoranthene (low)/	72.0/	5.0/	µg/L/	100/		72.0/	40-140/	1.04/	20/	
Bis(2-chloroethoxy)methane/	98.1/	10/	µg/L/	100/		98.1/	40-140/	12.7/	20/	
Bis(2-chloroethyl)ether/	98.6/	10/	µg/L/	100/		98.6/	40-140/	10.1/	20/	
Bis(2-chloroisopropyl)ether/	100/	10/	µg/L/	100/		100/	40-140/	15.4/	20/	
Bis(2-Ethylhexyl)phthalate/	114/	10/	µg/L/	100/		114/	40-140/	12.9/	20/	
4-Bromophenylphenylether/	99.6/	10/	µg/L/	100/		99.6/	40-140/	13.5/	20/	
Butylbenzylphthalate/	121/	10/	µg/L/	100/		121/	40-140/	12.1/	20/	
4-Chloroaniline/	110/	10/	µg/L/	100/		110/	15-140/	0.128/	20/	†/
2-Chloronaphthalene/	84.5/	10/	µg/L/	100/		84.5/	40-140/	9.94/	20/	
2-Chlorophenol/	79.8/	10/	µg/L/	100/		79.8/	30-130/	10.3/	20/	
Chrysene (low)/	63.8/	5.0/	µg/L/	100/		63.8/	40-140/	0.787/	20/	

QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality ControlL

Analyte/	Result/	Reporting/ Limit/	Units/	Spike/ Level/	Source/ Result/	%REC/ Limits/	RPD/ RPD/	RPD / Limit/	Notes /
Batch B118345 - SW-846 3510C									
LCS Dup (B118345-BSD1) L					Prepared & Analyzed: 04/02/15 /				
Dibenz(a,h)anthracene (low)/	78.0/	2.5/	µg/L/	100/		78.0/	40-140/	1.29/	20/
Dibenzofuran/	101/	5.0/	µg/L/	100/		101/	40-140/	13.8/	20/
Di-n-butylphthalate/	100/	10/	µg/L/	100/		100/	40-140/	12.9/	20/
1,2-Dichlorobenzene/	85.7/	5.0/	µg/L/	100/		85.7/	40-140/	13.5/	20/
1,3-Dichlorobenzene/	81.7/	5.0/	µg/L/	100/		81.7/	40-140/	12.4/	20/
1,4-Dichlorobenzene/	83.3/	5.0/	µg/L/	100/		83.3/	40-140/	14.3/	20/
3,3-Dichlorobenzidine/	105/	10/	µg/L/	100/		105/	40-140/	10.9/	20/
2,4-Dichlorophenol/	94.5/	10/	µg/L/	100/		94.5/	30-130/	10.1/	20/
Diethylphthalate/	105/	10/	µg/L/	100/		105/	40-140/	11.8/	20/
2,4-Dimethylphenol/	88.8/	10/	µg/L/	100/		88.8/	30-130/	11.1/	20/
Dimethylphthalate/	101/	10/	µg/L/	100/		101/	40-140/	11.8/	20/
2,4-Dinitrophenol/	77.6/	10/	µg/L/	100/		77.6/	15-140/	11.9/	20/ †/
2,4-Dinitrotoluene/	102/	10/	µg/L/	100/		102/	40-140/	13.0/	20/
2,6-Dinitrotoluene/	96.6/	10/	µg/L/	100/		96.6/	40-140/	11.3/	20/
Di-n-octylphthalate/	103/	10/	µg/L/	100/		103/	40-140/	16.3/	20/
1,2-Diphenylhydrazine (as Azobenzene)/	103/	10/	µg/L/	100/		103/	40-140/	16.1/	20/
Fluoranthene (low)/	62.0/	12/	µg/L/	100/		62.0/	40-140/	0.404/	20/
Fluorene (low)/	77.8/	25/	µg/L/	100/		77.8/	40-140/	1.62/	20/
Hexachlorobenzene/	96.1/	10/	µg/L/	100/		96.1/	40-140/	12.3/	20/
Hexachlorobutadiene/	97.0/	10/	µg/L/	100/		97.0/	40-140/	12.3/	20/
Hexachloroethane/	86.8/	10/	µg/L/	100/		86.8/	40-140/	14.8/	20/
Indeno(1,2,3-cd)pyrene (low)/	79.0/	5.0/	µg/L/	100/		79.0/	40-140/	0.317/	20/
Isophorone/	103/	10/	µg/L/	100/		103/	40-140/	13.1/	20/
2-Methylnaphthalene (low)/	64.8/	25/	µg/L/	100/		64.8/	40-140/	1.56/	20/
2-Methylphenol/	70.9/	10/	µg/L/	100/		70.9/	30-130/	8.68/	20/
3/4-Methylphenol/	71.6/	10/	µg/L/	100/		71.6/	30-130/	7.62/	20/
Naphthalene (low)/	60.2/	25/	µg/L/	100/		60.2/	40-140/	0.833/	20/
Nitrobenzene/	97.0/	10/	µg/L/	100/		97.0/	40-140/	13.9/	20/
2-Nitrophenol/	86.0/	10/	µg/L/	100/		86.0/	30-130/	13.0/	20/
4-Nitrophenol/	61.5/	10/	µg/L/	100/		61.5/	15-140/	8.41/	20/ V-06/ †/
Pentachlorophenol/	81.9/	10/	µg/L/	100/		81.9/	30-130/	16.6/	20/
Phenanthrene (low)/	56.0/	1.2/	µg/L/	100/		56.0/	40-140/	0.447/	20/ V-05/
Phenol/	40.4/	10/	µg/L/	100/		40.4/	15-140/	5.35/	20/ †/
Pyrene (low)/	64.8/	25/	µg/L/	100/		64.8/	40-140/	2.34/	20/
1,2,4-Trichlorobenzene/	90.1/	5.0/	µg/L/	100/		90.1/	40-140/	12.7/	20/
2,4,5-Trichlorophenol/	98.9/	10/	µg/L/	100/		98.9/	30-130/	12.9/	20/
2,4,6-Trichlorophenol/	96.1/	10/	µg/L/	100/		96.1/	30-130/	12.6/	20/
Surrogate: 2-Fluorophenol/	101.		µg/L/	200/		50.3/	15-110/		
Surrogate: Phenol-d6/	69.3.		µg/L/	200/		34.6/	15-110/		
Surrogate: Nitrobenzene-d5/	103.		µg/L/	100/		103/	30-130/		
Surrogate: Nitrobenzene-d5 (low)/	76.2.		µg/L/	100/		76.2/	30-130/		
Surrogate: 2-Fluorobiphenyl/	107.		µg/L/	100/		107/	30-130/		
Surrogate: 2-Fluorobiphenyl (low)/	74.5.		µg/L/	100/		74.5/	30-130/		
Surrogate: 2,4,6-TribromophenolL	253.		µg/L/	200/		126L */	15-110/		S-07/
Surrogate: p-Terphenyl-d14/	123.		µg/L/	100/		123/	30-130/		
Surrogate: p-Terphenyl-d14 (low)/	77.5.		µg/L/	100/		77.5/	30-130/		

QUALITY CONTROL
1,4-Dioxane by isotope dilution GC/MS - Quality Control

Analyte/	Result/	Reporting/ Limit/	Units/	Spike/ Level/	Source/ Result/	%REC/ Limits/	RPD / Limit/	Notes /
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Batch B118231 - SW-846 3510CL
Blank (B118231-BLK1) L

Prepared: 03/31/15 Analyzed: 04/01/15 /

1,4-Dioxane/	ND/	0.20/	µg/L/					
Surrogate: 1,4-Dioxane-d8/	2.94		µg/L/	10.0/		29.4/	15-110/	

LCS (B118231-BS1) L

Prepared: 03/31/15 Analyzed: 04/01/15 /

1,4-Dioxane/	10.7/	0.20/	µg/L/	10.0/		107/	40-140	
Surrogate: 1,4-Dioxane-d8/	3.22		µg/L/	10.0/		32.2/	15-110/	

LCS Dup (B118231-BSD1) L

Prepared: 03/31/15 Analyzed: 04/01/15 /

1,4-Dioxane/	10.9/	0.20/	µg/L/	10.0/		109/	40-140	1.92/ 30/
Surrogate: 1,4-Dioxane-d8/	3.50.		µg/L/	10.0/		35.0/	15-110/	

QUALITY CONTROL
Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte/	Result/	Reporting/ Limit/	Units/	Spike/ Level/	Source/ Result/	%REC/ Limits/	RPD / Limit/	Notes /
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Batch B118326 - SW-846 3510CL
Blank (B118326-BLK1) L

Prepared: 04/01/15 Analyzed: 04/02/15 /

Aroclor-1016/	ND/	0.20/	µg/L/					
Aroclor-1016 [2C]/	ND/	0.20/	µg/L/					
Aroclor-1221/	ND/	0.20/	µg/L/					
Aroclor-1221 [2C]/	ND/	0.20/	µg/L/					
Aroclor-1232/	ND/	0.20/	µg/L/					
Aroclor-1232 [2C]/	ND/	0.20/	µg/L/					
Aroclor-1242/	ND/	0.20/	µg/L/					
Aroclor-1242 [2C]/	ND/	0.20/	µg/L/					
Aroclor-1248/	ND/	0.20/	µg/L/					
Aroclor-1248 [2C]/	ND/	0.20/	µg/L/					
Aroclor-1254/	ND/	0.20/	µg/L/					
Aroclor-1254 [2C]/	ND/	0.20/	µg/L/					
Aroclor-1260/	ND/	0.20/	µg/L/					
Aroclor-1260 [2C]/	ND/	0.20/	µg/L/					
Aroclor-1262/	ND/	0.20/	µg/L/					
Aroclor-1262 [2C]/	ND/	0.20/	µg/L/					
Aroclor-1268/	ND/	0.20/	µg/L/					
Aroclor-1268 [2C]/	ND/	0.20/	µg/L/					
Surrogate: Decachlorobiphenyl/	1.66.		µg/L/	2.00/		83.1/	30-150/	
Surrogate: Decachlorobiphenyl [2C]/	1.60.		µg/L/	2.00/		79.8/	30-150/	
Surrogate: Tetrachloro-m-xylene/	1.54.		µg/L/	2.00/		76.8/	30-150/	
Surrogate: Tetrachloro-m-xylene [2C]/	1.51		µg/L/	2.00/		75.4/	30-150/	

LCS (B118326-BS1) L

Prepared: 04/01/15 Analyzed: 04/02/15 /

Aroclor-1016/	0.42/	0.20/	µg/L/	0.500/		84.3/	40-140/	
Aroclor-1016 [2C]/	0.42/	0.20/	µg/L/	0.500/		84.4/	40-140/	
Aroclor-1260/	0.43/	0.20/	µg/L/	0.500/		86.7/	40-140/	
Aroclor-1260 [2C]/	0.43/	0.20/	µg/L/	0.500/		85.5/	40-140/	
Surrogate: Decachlorobiphenyl/	1.68.		µg/L/	2.00/		84.2/	30-150/	
Surrogate: Decachlorobiphenyl [2C]/	1.63.		µg/L/	2.00/		81.4/	30-150/	
Surrogate: Tetrachloro-m-xylene/	1.58.		µg/L/	2.00/		79.1/	30-150/	
Surrogate: Tetrachloro-m-xylene [2C]/	1.55		µg/L/	2.00/		77.7/	30-150/	

LCS Dup (B118326-BSD1) L

Prepared: 04/01/15 Analyzed: 04/02/15 /

Aroclor-1016/	0.47/	0.20/	µg/L/	0.500/		94.4/	40-140/	11.3/ 20/
Aroclor-1016 [2C]/	0.48/	0.20/	µg/L/	0.500/		96.0/	40-140/	12.8/ 20/
Aroclor-1260/	0.48/	0.20/	µg/L/	0.500/		96.4/	40-140/	10.5/ 20/
Aroclor-1260 [2C]/	0.48/	0.20/	µg/L/	0.500/		95.7/	40-140/	11.2/ 20/
Surrogate: Decachlorobiphenyl/	1.77.		µg/L/	2.00/		88.3/	30-150/	
Surrogate: Decachlorobiphenyl [2C]/	1.70.		µg/L/	2.00/		84.8/	30-150/	
Surrogate: Tetrachloro-m-xylene/	1.69.		µg/L/	2.00/		84.5/	30-150/	
Surrogate: Tetrachloro-m-xylene [2C]/	1.66.		µg/L/	2.00/		82.8/	30-150/	

QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte/	Result/	Reporting/ Limit/	Units/	Spike/ Level/	Source/ Result/	%REC/ Limits/	RPD / Limit/	Notes /
Batch B118255 - SW-846 7470A PrepL								
Blank (B118255-BLK1) L				Prepared: 04/01/15 Analyzed: 04/02/15 /				
Mercury/	ND	0.00010/	mg/L/					
LCS (B118255-BS1) L				Prepared: 04/01/15 Analyzed: 04/02/15 /				
Mercury/	0.00178	0.00010/	mg/L/	0.00200/		89.1/ 80-120		
LCS Dup (B118255-BSD1) L				Prepared: 04/01/15 Analyzed: 04/02/15 /				
Mercury/	0.00169/	0.00010/	mg/L/	0.00200/		84.6/ 80-120	5.12/ 20/	
Duplicate (B118255-DUP1) L				Prepared: 04/01/15 Analyzed: 04/02/15 /				
Mercury/	ND/	0.00010	mg/L		ND/		NC/ 20/	
Matrix Spike (B118255-MS1) L				Prepared: 04/01/15 Analyzed: 04/02/15 /				
Mercury/	0.00197/	0.00010	mg/L	0.00200/	ND/	98.7 75-125		
Batch B118329 - SW-846 3005AL								
Blank (B118329-BLK1) L				Prepared: 04/01/15 Analyzed: 04/03/15 /				
Antimony/	ND/	1.0/	µg/L/					
Arsenic/	ND/	0.40/	µg/L/					
Cadmium/	ND/	0.50/	µg/L/					
Chromium/	ND/	1.0/	µg/L/					
Copper/	ND/	5.0/	µg/L/					
Lead/	ND/	1.0/	µg/L/					
Nickel/	ND/	5.0/	µg/L/					
Selenium/	ND/	5.0/	µg/L/					
Silver/	ND/	0.50/	µg/L/					
Zinc/	ND	10/	µg/L/					
LCS (B118329-BS1) L				Prepared: 04/01/15 Analyzed: 04/03/15 /				
Antimony/	259/	5.0/	µg/L/	250/		104/ 80-120		
Arsenic/	258/	2.0/	µg/L/	250/		103/ 80-120		
Cadmium/	256/	2.5/	µg/L/	250/		102/ 80-120		
Chromium/	263/	5.0/	µg/L/	250/		105/ 80-120		
Copper/	269/	25/	µg/L/	250/		108/ 80-120		
Lead/	267/	5.0/	µg/L/	250/		107/ 80-120		
Nickel/	254/	25/	µg/L/	250/		102/ 80-120		
Selenium/	266/	25/	µg/L/	250/		106/ 80-120		
Silver/	272/	2.5/	µg/L/	250/		109/ 80-120		
Zinc/	262	50/	µg/L/	250/		105/ 80-120		
LCS Dup (B118329-BSD1) L				Prepared: 04/01/15 Analyzed: 04/03/15 /				
Antimony/	261/	5.0/	µg/L/	250/		104/ 80-120	0.876/ 20/	
Arsenic/	256/	2.0/	µg/L/	250/		102/ 80-120	0.799/ 20/	
Cadmium/	261/	2.5/	µg/L/	250/		104/ 80-120	1.99/ 20/	
Chromium/	263/	5.0/	µg/L/	250/		105/ 80-120	0.186/ 20/	
Copper/	266/	25/	µg/L/	250/		106/ 80-120	1.36/ 20/	
Lead/	264/	5.0/	µg/L/	250/		106/ 80-120	1.14/ 20/	
Nickel/	258/	25/	µg/L/	250/		103/ 80-120	1.45/ 20/	
Selenium/	270/	25/	µg/L/	250/		108/ 80-120	1.49/ 20/	
Silver/	272/	2.5/	µg/L/	250/		109/ 80-120	0.204/ 20/	
Zinc/	272/	50/	µg/L/	250/		109/ 80-120	3.51/ 20/	

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte/	Result/	Reporting/ Limit/	Units/	Spike/ Level/	Source/ Result/	%REC/ Limits/	RPD / Limit/	Notes /
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Batch B118415 - SW-846 3005AL

Blank (B118415-BLK1) L

Prepared: 04/02/15 Analyzed: 04/03/15 /

Iron/	ND	0.050/	mg/L/					
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LCS (B118415-BS1) L

Prepared: 04/02/15 Analyzed: 04/03/15 /

Iron/	2.01	0.050/	mg/L/	2.00/	101/	80-120		
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LCS Dup (B118415-BSD1) L

Prepared: 04/02/15 Analyzed: 04/03/15 /

Iron/	2.04/	0.050/	mg/L/	2.00/	102/	80-120	1.41/	20/
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QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte/	Result/	Reporting/ Limit/	Units/	Spike/ Level/	Source/ Result/	%REC/ Limits/	RPD / Limit/	Notes /
Batch B118227 - SM21-22 4500 CL GL								
Blank (B118227-BLK1) L				Prepared & Analyzed: 03/31/15 /				
Chlorine, Residual/	ND	0.020/	mg/L/					
LCS (B118227-BS1) L				Prepared & Analyzed: 03/31/15 /				
Chlorine, Residual/	1.4	0.020/	mg/L/	1.25/		113/ 81.9-127/		
LCS Dup (B118227-BSD1) L				Prepared & Analyzed: 03/31/15 /				
Chlorine, Residual/	1.4/	0.020/	mg/L/	1.25/		115/ 81.9-127/	1.71/ 9.61/	
Batch B118245 - SM21-22 3500 Cr BL								
Blank (B118245-BLK1) L				Prepared & Analyzed: 04/01/15 /				
Hexavalent Chromium/	ND	0.0040/	mg/L/					
LCS (B118245-BS1) L				Prepared & Analyzed: 04/01/15 /				
Hexavalent Chromium/	0.093	0.0040/	mg/L/	0.100/		93.1/ 92.1-114/		
LCS Dup (B118245-BSD1) L				Prepared & Analyzed: 04/01/15 /				
Hexavalent Chromium/	0.097/	0.0040/	mg/L/	0.100/		97.0/ 92.1-114/	4.05/ 8.55/	
Matrix Spike (B118245-MS1) L				Source: 15C1277-01L Prepared & Analyzed: 04/01/15 /				
Hexavalent Chromium/	0.097/	0.0040	mg/L	0.100/	ND/ 97.0	17.2-160/		
Matrix Spike Dup (B118245-MSD1) L				Source: 15C1277-01L Prepared & Analyzed: 04/01/15 /				
Hexavalent Chromium/	0.10/	0.0040	mg/L	0.100/	ND/ 102	17.2-160/	5.16/ 18.2/	
Batch B118283 - SM21-22 2540DL								
Blank (B118283-BLK1) L				Prepared & Analyzed: 04/01/15 /				
Total Suspended Solids/	ND	2.5/	mg/L/					
LCS (B118283-BS1) L				Prepared & Analyzed: 04/01/15 /				
Total Suspended Solids/	202/	10/	mg/L/	200/		101/ 74.6-112/		
Batch B118323 - SM21-22 4500 CN EL								
Blank (B118323-BLK1) L				Prepared: 04/01/15 Analyzed: 04/02/15 /				
Cyanide/	ND	0.010/	mg/L/					
LCS (B118323-BS1) L				Prepared: 04/01/15 Analyzed: 04/02/15 /				
Cyanide/	0.69/	0.010/	mg/L/	0.792/		87.6/ 65.6-118/		

QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality ControlL

Analyte/	Result/	Reporting/ Limit/	Units/	Spike/ Level/	Source/ Result/	%REC/ Limits/	RPD/ Limit/	RPD / Limit/	Notes /
Batch B118323 - SM21-22 4500 CN E									
LCS Dup (B118323-BSD1) L				Prepared: 04/01/15 Analyzed: 04/02/15 /					
Cyanide/	0.70/	0.010	mg/L	0.792/		88.1/	65.6-118/	0.562/	21.4/
Batch B118346 - EPA 1664BL									
Blank (B118346-BLK1) L				Prepared & Analyzed: 04/02/15 /					
Silica Gel Treated HEM (SGT-HEM)/	ND	1.4	mg/L						
LCS (B118346-BS1) L				Prepared & Analyzed: 04/02/15 /					
Silica Gel Treated HEM (SGT-HEM)/	18/		mg/L	20.0/		89.5/	64-132		
Duplicate (B118346-DUP1) L				Source: 15C1277-01L Prepared & Analyzed: 04/02/15 /					
Silica Gel Treated HEM (SGT-HEM)/	ND/	1.6	mg/L		ND/		NC/	18/	
Matrix Spike (B118346-MS1) L				Source: 15C1277-01L Prepared & Analyzed: 04/02/15 /					
Silica Gel Treated HEM (SGT-HEM)/	160/	14	mg/L	200/	ND/	78.0	64-132		
Batch B118349 - EPA 420.1L									
Blank (B118349-BLK1) L				Prepared: 04/02/15 Analyzed: 04/03/15 /					
Phenol/	ND	0.050	mg/L						
LCS (B118349-BS1) L				Prepared: 04/02/15 Analyzed: 04/03/15 /					
Phenol/	0.51	0.050	mg/L	0.500/		101/	76.2-127		
LCS Dup (B118349-BSD1) L				Prepared: 04/02/15 Analyzed: 04/03/15 /					
Phenol/	0.52/	0.050	mg/L	0.500/		104/	76.2-127	3.17/	11.4/
Batch B118514 - SM21-22 4500 CL BL									
Blank (B118514-BLK1) L				Prepared & Analyzed: 04/03/15 /					
Chloride/	ND	1.0	mg/L						
LCS (B118514-BS1) L				Prepared & Analyzed: 04/03/15 /					
Chloride/	13	1.0	mg/L	11.8/		109/	87.1-113/		
LCS Dup (B118514-BSD1) L				Prepared & Analyzed: 04/03/15 /					
Chloride/	12/	1.0	mg/L	11.8/		105/	87.1-113/	3.87/	9.72/
Duplicate (B118514-DUP1) L				Source: 15C1277-01L Prepared & Analyzed: 04/03/15 /					
Chloride/	10/	1.0	mg/L		11/		9.07/	18.5/	

QUALITY CONTROL

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

Analyte/	Result/	Reporting/ Limit/	Units/	Spike/ Level/	Source/ Result/	%REC/ Limits/	RPD / Limit/	Notes /
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Batch B118514 - SM21-22 4500 CL BL

Matrix Spike (B118514-MS1) L

Source: 15C1277-01L

Prepared & Analyzed: 04/03/15 /

Chloride/	22/	1.0/	mg/L/	10.0/	11/ 104/	74.8-128/
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QUALITY CONTROL
Drinking Water Organics EPA 504.1 - Quality Control

Analyte/	Result/	Reporting/ Limit/	Units/	Spike/ Level/	Source/ Result/	%REC/ Limits/	RPD / Limit/	Notes /
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Batch B118360 - EPA 504 waterL
Blank (B118360-BLK1) L

Prepared & Analyzed: 04/02/15 /

1,2-Dibromoethane (EDB)/	ND/	0.020/	µg/L/					
1,2-Dibromoethane (EDB) [2C]/	ND/	0.020/	µg/L/					
Surrogate: 1,3-Dibromopropane/	1.18.		µg/L/	1.00/		118/	70-130/	
Surrogate: 1,3-Dibromopropane [2C]/	1.19		µg/L/	1.00/		119/	70-130/	

LCS (B118360-BS1) L

Prepared & Analyzed: 04/02/15 /

1,2-Dibromoethane (EDB)/	0.153/	0.020/	µg/L/	0.175/		87.4/	70-130/	
1,2-Dibromoethane (EDB) [2C]/	0.132/	0.020/	µg/L/	0.175/		75.4/	70-130/	
Surrogate: 1,3-Dibromopropane/	1.15.		µg/L/	1.00/		115/	70-130/	
Surrogate: 1,3-Dibromopropane [2C]/	1.17		µg/L/	1.00/		117/	70-130/	

LCS Dup (B118360-BSD1) L

Prepared & Analyzed: 04/02/15 /

1,2-Dibromoethane (EDB)/	0.164/	0.020/	µg/L/	0.175/		93.7/	70-130/	6.94/
1,2-Dibromoethane (EDB) [2C]/	0.144/	0.020/	µg/L/	0.175/		82.3/	70-130/	8.70/
Surrogate: 1,3-Dibromopropane/	1.23.		µg/L/	1.00/		123/	70-130/	
Surrogate: 1,3-Dibromopropane [2C]/	1.22.		µg/L/	1.00/		122/	70-130/	

FLAG/QUALIFIER SUMMARY

*/	QC result is outside of established limits./
†/	Wide recovery limits established for difficult compound./
‡/	Wide RPD limits established for difficult compound./
#/	Data exceeded client recommended or regulatory level /
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the / calculation which have not been rounded./
L-02/	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. / Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is / on the high side./
L-14/	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet / 70-130% criteria but does meet difficult compound criteria./
R-05/	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any / reported value for this compound./
RL-07/	Elevated reporting limit based on lowest point in calibration./
	MA CAM reporting limit not met./
S-07/	One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All / recoveries are > 10%./
V-05/	Continuing calibration did not meet method specifications and was biased on the low side for this compound. / Increased uncertainty is associated with the reported value which is likely to be biased on the low side./
V-06/	Continuing calibration did not meet method specifications and was biased on the high side for this compound. / Increased uncertainty is associated with the reported value which is likely to be biased on the high side./
V-16/	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may / be associated with reported result./
V-20/	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not / affected since sample result was "not detected" for this compound./

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
EPA 420.1 in Water	
Phenol/	CT,MA,NH,NY,RI,NC,ME,VA,NJ/
SM21-22 2540D in Water	
Total Suspended Solids/	CT,MA,NH,NY,RI,NC,ME,VA,NJ/
SM21-22 3500 Cr B in Water	
Hexavalent Chromium/	NY,CT,NH,RI,ME,VA,NJ,NC/
SM21-22 4500 CL B in Water	
Chloride/	NH,CT,MA,NY,RI,NC,ME,VA,NJ/
SM21-22 4500 CL G in Water	
Chlorine, Residual/	CT,MA,RI,ME/
SM21-22 4500 CN E in Water	
Cyanide/	CT,MA,NH,NY,RI,NC,ME,VA,NJ/
SW-846 6010C in Water	
Iron/	CT,NH,NY,ME,NC,VA,NJ/
SW-846 6020A in Water	
Antimony/	CT,NH,NY,NC,ME,VA,NJ/
Arsenic/	CT,NH,NY,NC,ME,VA,NJ/
Cadmium/	CT,NH,NY,RI,NC,ME,VA,NJ/
Chromium/	CT,NH,NY,NC,ME,VA,NJ/
Copper/	CT,NH,NY,NC,ME,VA,NJ/
Lead/	CT,NH,NY,NC,ME,VA,NJ/
Nickel/	CT,NH,NY,NC,ME,VA,NJ/
Selenium/	CT,NH,NY,NC,ME,VA,NJ/
Silver/	CT,NH,NY,NC,ME,VA,NJ/
Zinc/	CT,NH,NY,NC,ME,VA,NJ/
SW-846 7470A in Water	
Mercury/	CT,NH,NY,NC,ME,VA,NJ/
SW-846 8082A in Water	
Aroclor-1016/	CT,NH,NY,NC,ME,VA,NJ/
Aroclor-1016 [2C]/	CT,NH,NY,NC,ME,VA,NJ/
Aroclor-1221/	CT,NH,NY,NC,ME,VA,NJ/
Aroclor-1221 [2C]/	CT,NH,NY,NC,ME,VA,NJ/
Aroclor-1232/	CT,NH,NY,NC,ME,VA,NJ/
Aroclor-1232 [2C]/	CT,NH,NY,NC,ME,VA,NJ/
Aroclor-1242/	CT,NH,NY,NC,ME,VA,NJ/
Aroclor-1242 [2C]/	CT,NH,NY,NC,ME,VA,NJ/
Aroclor-1248/	CT,NH,NY,NC,ME,VA,NJ/
Aroclor-1248 [2C]/	CT,NH,NY,NC,ME,VA,NJ/
Aroclor-1254/	CT,NH,NY,NC,ME,VA,NJ/
Aroclor-1254 [2C]/	CT,NH,NY,NC,ME,VA,NJ/
Aroclor-1260/	CT,NH,NY,NC,ME,VA,NJ/
Aroclor-1260 [2C]/	CT,NH,NY,NC,ME,VA,NJ/
Aroclor-1262/	NC/
Aroclor-1262 [2C]/	NC/
Aroclor-1268/	NC/

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Water	
Aroclor-1268 [2C]/	NC/
SW-846 8260C in Water	
Acetone/	CT,NH,NY,ME/
tert-Amyl Methyl Ether (TAME)/	NH,NY,ME/
Benzene/	CT,NH,NY,ME/
Bromobenzene/	ME/
Bromochloromethane/	NH,NY,ME/
Bromodichloromethane/	CT,NH,NY,ME/
Bromoform/	CT,NH,NY,ME/
Bromomethane/	CT,NH,NY,ME/
2-Butanone (MEK)/	CT,NH,NY,ME/
n-Butylbenzene/	NY,ME/
sec-Butylbenzene/	NY,ME/
tert-Butylbenzene/	NY,ME/
tert-Butyl Ethyl Ether (TBEE)/	NH,NY,ME/
Carbon Disulfide/	CT,NH,NY,ME/
Carbon Tetrachloride/	CT,NH,NY,ME/
Chlorobenzene/	CT,NH,NY,ME/
Chlorodibromomethane/	CT,NH,NY,ME/
Chloroethane/	CT,NH,NY,ME/
Chloroform/	CT,NH,NY,ME/
Chloromethane/	CT,NH,NY,ME/
2-Chlorotoluene/	NY,ME/
4-Chlorotoluene/	NY,ME/
Dibromomethane/	NH,NY,ME/
1,2-Dichlorobenzene/	CT,NY,ME/
1,3-Dichlorobenzene/	CT,NH,NY,ME/
1,4-Dichlorobenzene/	CT,NH,NY,ME/
Dichlorodifluoromethane (Freon 12)/	NH,NY,ME/
1,1-Dichloroethane/	CT,NH,NY,ME/
1,2-Dichloroethane/	CT,NH,NY,ME/
1,1-Dichloroethylene/	CT,NH,NY,ME/
cis-1,2-Dichloroethylene/	NY,ME/
trans-1,2-Dichloroethylene/	CT,NH,NY,ME/
1,2-Dichloropropane/	CT,NH,NY,ME/
1,3-Dichloropropane/	NY,ME/
2,2-Dichloropropane/	NH,NY,ME/
1,1-Dichloropropene/	NH,NY,ME/
cis-1,3-Dichloropropene/	CT,NH,NY,ME/
trans-1,3-Dichloropropene/	CT,NH,NY,ME/
Diisopropyl Ether (DIPE)/	NH,NY,ME/
Ethylbenzene/	CT,NH,NY,ME/
Hexachlorobutadiene/	CT,NH,NY,ME/
2-Hexanone (MBK)/	CT,NH,NY,ME/
Isopropylbenzene (Cumene)/	NY,ME/
p-Isopropyltoluene (p-Cymene)/	CT,NH,NY,ME/

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
Methyl tert-Butyl Ether (MTBE)/	CT,NH,NY,ME/
Methylene Chloride/	CT,NH,NY,ME/
4-Methyl-2-pentanone (MIBK)/	CT,NH,NY,ME/
Naphthalene/	NH,NY,ME/
n-Propylbenzene/	CT,NH,NY,ME/
Styrene/	CT,NH,NY,ME/
1,1,1,2-Tetrachloroethane/	CT,NH,NY,ME/
1,1,2,2-Tetrachloroethane/	CT,NH,NY,ME/
Tetrachloroethylene/	CT,NH,NY,ME/
Toluene/	CT,NH,NY,ME/
1,2,3-Trichlorobenzene/	NH,NY,ME/
1,2,4-Trichlorobenzene/	CT,NH,NY,ME/
1,1,1-Trichloroethane/	CT,NH,NY,ME/
1,1,2-Trichloroethane/	CT,NH,NY,ME/
Trichloroethylene/	CT,NH,NY,ME/
Trichlorofluoromethane (Freon 11)/	CT,NH,NY,ME/
1,2,3-Trichloropropane/	NH,NY,ME/
1,2,4-Trimethylbenzene/	NY,ME/
1,3,5-Trimethylbenzene/	NY,ME/
Vinyl Chloride/	CT,NH,NY,ME/
m+p Xylene/	CT,NH,NY,ME/
o-Xylene/	CT,NH,NY,ME/
SW-846 8270D in Water	
Aniline/	CT,NY/
Bis(2-chloroethoxy)methane/	CT,NY,NH/
Bis(2-chloroethyl)ether/	CT,NY,NH/
Bis(2-chloroisopropyl)ether/	CT,NY,NH/
Bis(2-Ethylhexyl)phthalate/	CT,NY,NH/
4-Bromophenylphenylether/	CT,NY,NH/
Butylbenzylphthalate/	CT,NY,NH/
4-Chloroaniline/	CT,NY,NH/
2-Chloronaphthalene/	CT,NY,NH/
2-Chlorophenol/	CT,NY,NH/
Dibenzofuran/	CT,NY,NH/
Di-n-butylphthalate/	CT,NY,NH/
1,2-Dichlorobenzene/	CT,NY,NH/
1,3-Dichlorobenzene/	CT,NY,NH/
1,4-Dichlorobenzene/	CT,NY,NH/
3,3-Dichlorobenzidine/	CT,NY,NH/
2,4-Dichlorophenol/	CT,NY,NH/
Diethylphthalate/	CT,NY,NH/
2,4-Dimethylphenol/	CT,NY,NH/
Dimethylphthalate/	CT,NY,NH/
2,4-Dinitrophenol/	CT,NY,NH/
2,4-Dinitrotoluene/	CT,NY,NH/
2,6-Dinitrotoluene/	CT,NY,NH/

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Water	
Di-n-octylphthalate/	CT,NY,NH /
Fluoranthene/	CT,NY,NH /
Hexachlorobenzene/	CT,NY,NH /
Hexachlorobutadiene/	CT,NY,NH /
Hexachloroethane/	CT,NY,NH /
Isophorone/	CT,NY,NH /
2-Methylphenol/	CT,NY,NH /
3/4-Methylphenol/	CT,NY,NH /
Naphthalene/	CT,NY,NH /
Nitrobenzene/	CT,NY,NH /
2-Nitrophenol/	CT,NY,NH /
4-Nitrophenol/	CT,NY,NH /
Pentachlorophenol/	CT,NY,NH /
Phenol/	CT,NY,NH /
1,2,4-Trichlorobenzene/	CT,NY,NH /
2,4,5-Trichlorophenol/	CT,NY,NH /
2,4,6-Trichlorophenol/	CT,NY,NH /

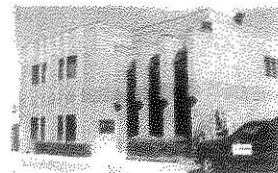
The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2015
CT	Connecticut Department of Public Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2016
RI	Rhode Island Department of Health	LAO00112	12/30/2015
NC	North Carolina Div. of Water Quality	652	12/31/2015
NJ	New Jersey DEP	MA007 NELAP	06/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2015
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2015

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Sample Receipt Checklist

CLIENT NAME: GZA RECEIVED BY: JDL DATE: 3/31/15

1) Was the chain(s) of custody relinquished and signed? Yes No No CoC Included

2) Does the chain agree with the samples? Yes No

If not, explain:

3) Are all the samples in good condition? Yes No

If not, explain:

4) How were the samples received:

On Ice ☒ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☒

Were the samples received in Temperature Compliance of (2-6°C)? Yes No N/A

Temperature °C by Temp blank _____ Temperature °C by Temp gun 2.9

5) Are there Dissolved samples for the lab to filter? Yes No

Who was notified _____ Date _____ Time _____

6) Are there any RUSH or SHORT HOLDING TIME samples? Yes No

Who was notified _____ Date _____ Time _____

7) Location where samples are stored:

19

Permission to subcontract samples? Yes No

(Walk-in clients only) if not already approved

Client Signature: _____

8) Do all samples have the proper Acid pH: Yes No N/A

9) Do all samples have the proper Base pH: Yes No N/A

10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes No N/A

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber	<u>10</u>	8 oz amber/clear jar	
500 mL Amber	<u>1</u>	4 oz amber/clear jar	
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic	<u>1</u>	Plastic Bag / Ziploc	
500 mL Plastic		SOC Kit	
250 mL plastic	<u>2</u>	Non-ConTest Container	
40 mL Vial - type listed below	<u>8</u>	Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

Laboratory Comments:

40 mL vials: # HCl 5 # Methanol _____

Doc# 277 # Bisulfate _____ # DI Water _____

Rev. 4 August 2013 # Thiosulfate 3 Unpreserved _____

Time and Date Frozen:

Page 2 of 2
Login Sample Receipt Checklist
 (Rejection Criteria Listing - Using Sample Acceptance Policy)
 Any False statement will be brought to the attention of Client

Question	Answer (True/False)	Comment
	T/F/NA	
1) The cooler's custody seal, if present, is intact.	NA	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	T	
4) Cooler Temperature is acceptable.	T	
5) Cooler Temperature is recorded.	T	
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) There are no discrepancies between the sample IDs on the container and the COC.	T	
10) Samples are received within Holding Time.	T	
11) Sample containers have legible labels.	T	
12) Containers are not broken or leaking.	T	
13) Air Cassettes are not broken/open.	NA	
14) Sample collection date/times are provided.	T	
15) Appropriate sample containers are used.	T	
16) Proper collection media used.	T	
17) No headspace sample bottles are completely filled.	T	
18) There is sufficient volume for all requested analyses, including any requested MS/MSDs.	T	
19) Trip blanks provided if applicable.	T	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	T	
21) Samples do not require splitting or compositing.	T	

Doc #277 Rev. 4 August 2013

Who notified of False statements?
 Log-In Technician Initials: JDL

Date/Time:
 Date/Time: 3/31/15 1800

ATTACHMENT 5

MASSDEP TRANSMITTAL FORM FOR PERMIT APPLICATION AND PAYMENT
(TRANSMITTAL # X265670)



Enter your transmittal number

X265670

Transmittal Number

Your unique Transmittal Number can be accessed online: <http://mass.gov/dep/service/online/trasmfrm.shtml>

Massachusetts Department of Environmental Protection

Transmittal Form for Permit Application and Payment

1. Please type or print. A separate Transmittal Form must be completed for each permit application.

2. Make your check payable to the Commonwealth of Massachusetts and mail it with a copy of this form to: DEP, P.O. Box 4062, Boston, MA 02211.

3. Three copies of this form will be needed.

Copy 1 - the original must accompany your permit application. **Copy 2** must accompany your fee payment. **Copy 3** should be retained for your records

4. Both fee-paying and exempt applicants must mail a copy of this transmittal form to:

MassDEP
P.O. Box 4062
Boston, MA
02211

*** Note:**
For BWSC Permits,
enter the LSP.

A. Permit Information

BRP WM 12 (substitute EPA RGP NOI Form)

Remediation & Misc. Contaminated Sites GP

1. Permit Code: 7 or 8 character code from permit instructions

2. Name of Permit Category

Construction dewatering (temporary)

3. Type of Project or Activity

B. Applicant Information – Firm or Individual

NSTAR Electric Company d/b/a Eversource Energy

1. Name of Firm - Or, if party needing this approval is an individual enter name below:

2. Last Name of Individual

3. First Name of Individual

4. MI

One NSTAR Way

5. Street Address

Westwood

MA

02090

339-987-7029

6. City/Town

7. State

8. Zip Code

9. Telephone #

10. Ext. #

Michael Zylich

Michael.Zylich@eversource.com

11. Contact Person

12. e-mail address (optional)

C. Facility, Site or Individual Requiring Approval

Station 282

1. Name of Facility, Site Or Individual

1263R Main Street

2. Street Address

Waltham

MA

02543

781-441-3804

3. City/Town

4. State

5. Zip Code

6. Telephone #

7. Ext. #

Michael Zylich

8. DEP Facility Number (if Known)

9. Federal I.D. Number (if Known)

10. BWSC Tracking # (if Known)

D. Application Prepared by (if different from Section B)*

GZA GeoEnvironmental, Inc.

1. Name of Firm Or Individual

249 Vanderbilt Avenue

2. Address

Norwood

MA

02062

781-278-5802

3. City/Town

4. State

5. Zip Code

6. Telephone #

7. Ext. #

Michele Simoneaux

8. Contact Person

9. LSP Number (BWSC Permits only)

E. Permit - Project Coordination

1. Is this project subject to MEPA review? ☐ yes ☒ no
If yes, enter the project's EOE file number - assigned when an Environmental Notification Form is submitted to the MEPA unit:

EOEA File Number

F. Amount Due

Special Provisions:

1. ☐ Fee Exempt (city, town or municipal housing authority)(state agency if fee is \$100 or less).
There are no fee exemptions for BWSC permits, regardless of applicant status.
2. ☐ Hardship Request - payment extensions according to 310 CMR 4.04(3)(c).
3. ☐ Alternative Schedule Project (according to 310 CMR 4.05 and 4.10).
4. ☐ Homeowner (according to 310 CMR 4.02).

DEP Use Only

Permit No:

Rec'd Date:

Reviewer:

262753

Check Number

\$950

Dollar Amount

05/01/2015

Date

262753

GZA GEOENVIRONMENTAL, INC.249 VANDERBILT AVENUE
NORWOOD, MA 02062KeyBank National Association
Salt Lake City, Utah 84115
1-800-KEY2YOUEZShield® Check Fraud
Protection for Business

31-300-1243

CHECK DATE

May 1, 2015

PAY Nine Hundred Fifty and 00/100 Dollars

TO Commonwealth of Massachusetts

AMOUNT

950.00

NOT VALID IN EXCESS OF \$10,000 UNLESS COUNTERSIGNED
NOT VALID AFTER 90 DAYS

AUTHORIZED SIGNATURE

Security features. Details on back.

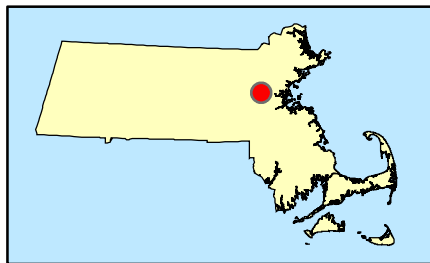
GZA GEOENVIRONMENTAL, INC.

262753

Check Date: 5/1/2015

Invoice Number	Date	Voucher	Amount	Discounts	Previous Pay	Net Amount
043015	4/30/2015	0368597	950.00			950.00
Commonwealth of Massachusetts		TOTAL	950.00			950.00
Co 1 Key AP	25	322542				

FIGURES



SOURCE : SCANNED USGS TOPOGRAPHIC QUADRANGLES
SCANNED BY THE MASSACHUSETTS EXECUTIVE OFFICE OF
ENVIRONMENTAL AFFAIRS, MASSGIS. DISTRIBUTED JUNE, 2001.

Data Supplied by :



0 1,000 2,000 4,000 6,000
Feet



PROJ. MGR.: MS
DESIGNED BY: MBF
REVIEWED BY: GWM
OPERATOR: EMD

DATE: 04-10-2015

SITE LOCUS

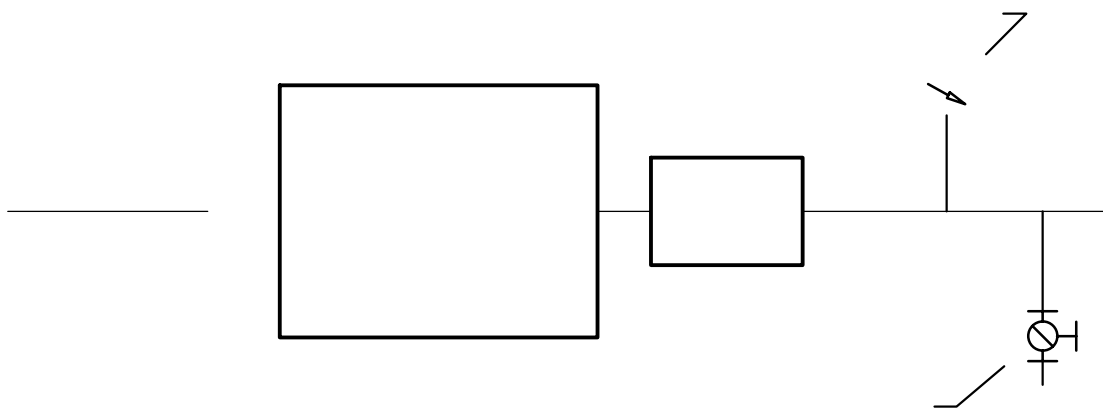
STATION 282 UNDERGROUND TRANSMISSION CABLE
1263R MAIN STREET
WALTHAM, MASSACHUSETTS

JOB NO.
01.0171696.00

FIGURE NO.

1



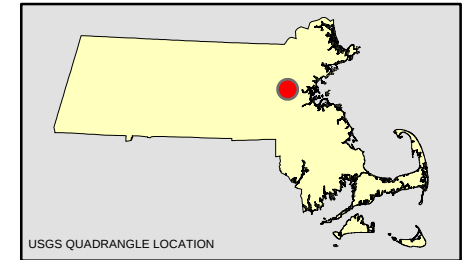
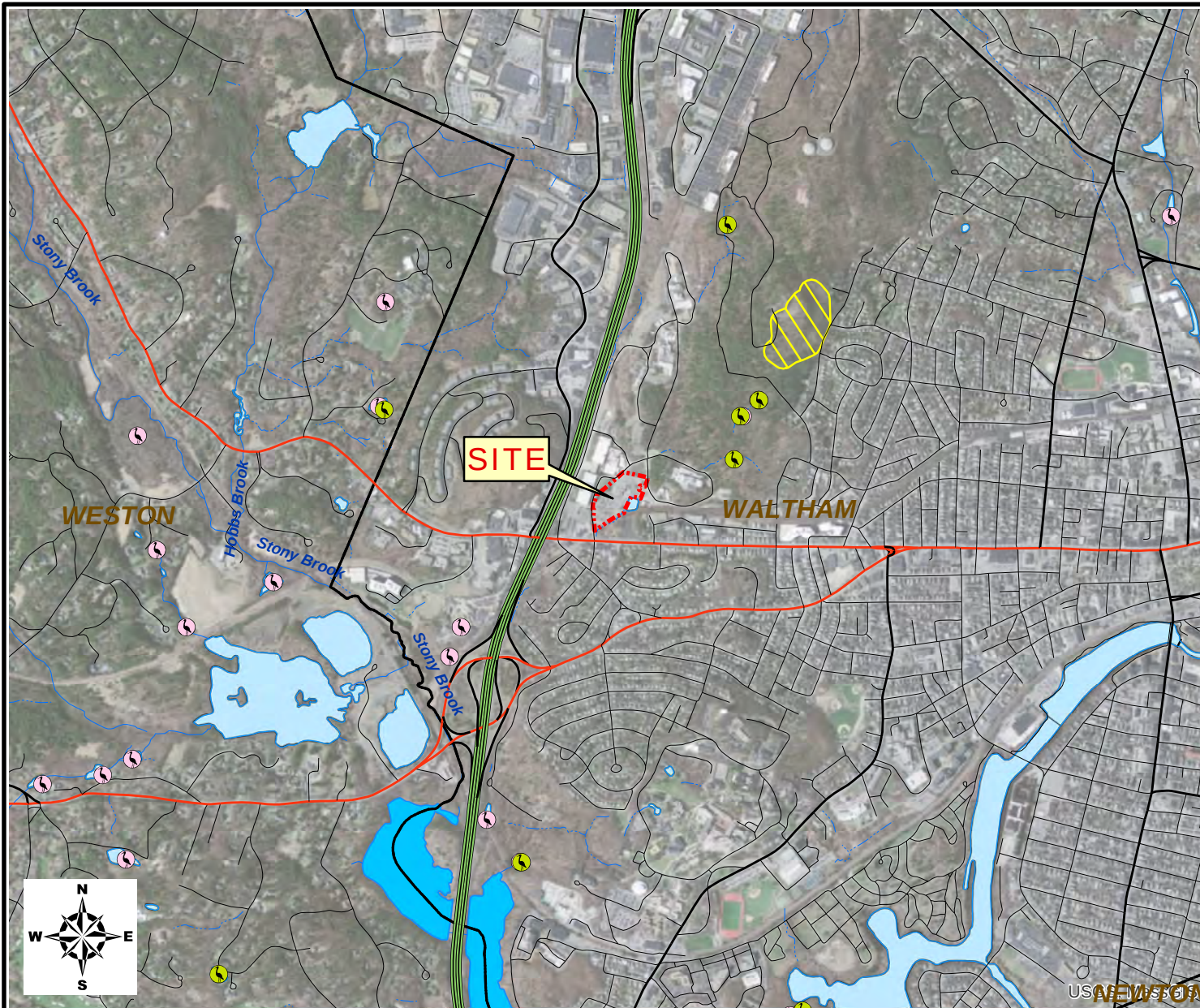


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 TH- \- ING, TH- \- ING SH- T B- TR = \R- \- = \- T- \- IN - / M = \- \
 US- -T - / OTH- \ LOC-TION OR - \ - / OTH- \ PURPOS- = ITHOUT TH- \OR WRIT- = T O - \- \
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 = XPR- = T O - \ ILL B- -T TH- = \S SOL- \ISK - ITHOUT - / RISK OR LI- ILITY TO GZ-

STATION 282 UNDERGROUND TRANSMISSION CABLE
 1263R MAIN STREET
 WALTHAM, MASSACHUSETTS

PROCESS FLOW DIAGRAM

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		EVERSOURCE ENERGY	
PROJ MGR: MS	REVIEWED BY: GWM	CHECKED BY: GWM	FIGURE 4
DESIGNED BY: MS	DRAWN BY: ADP	SCALE: N.T.S.	
DATE: 04-13-2015	PROJECT NO. 00.171696.00	REVISION NO.	



LEGEND

- NHESP 2008 Estimated Habitats of Rare Wildlife: Use with MA Wetlands Protection Act (310 CMR 10.12)
- NHESP 2008 Priority Habitats of State-Listed Rare Species: Use with MA Wetlands Protection Act (310 CMR 10.12)
- NHESP Vernal Pools: Certified, Potential

Hydrography

- Lake, Pond, Wide River, Impoundment
- Reservoir (with PWSID)

Rivers and Streams

- Stream
- Intermittent Stream
- Shoreline

EOT-OTP Roads

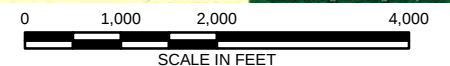
- Limited Access Highway
- Multi-Lane Highway, Unlimited Access
- Other Numbered Highway
- Major Road - Connector
- Minor Street or Road

SOURCE:

Priority and Estimated Habitats have been delineated by the Natural Heritage and Endangered Species Program of the Division of Fisheries and Wildlife. These layers are used for screening Projects and Activities that may impact state-listed rare species and their habitats. Priority and Estimated Habitat maps have been delineated based on the Best Scientific Evidence Available and according to the regulations of the Massachusetts Endangered Species Act (321 CMR 10.12) using documented records of rare species and various spatial layers.

The NHESP data was supplied by MassGIS in March 2009, January 2013 and July 2013. The EOT-OTP Roads data was supplied by MassGIS in June 2013 and the Hydrography & Rivers and Streams data was supplied by MassGIS in March 2013.

The Color Ortho Imagery was acquired for the U. S. Geological Survey in April 2008 & April 2009 by Fugro Earthdata, Inc. Ground control points were collected by Dewberry and Davis LLC. and by the Mass Highway Survey Section and was distributed February 20, 2009 & May 28, 2010.



**PRIORITY HABITAT AND ESTIMATED HABITAT
NATURAL HERITAGE & ENDANGERED SPECIES PROGRAM
STATION 282 UNDERGROUND TRANSMISSION CABLE
1263R MAIN STREET
WALTHAM, MASSACHUSETTS**

GZA GeoEnvironmental, Inc.
249 Vanderbilt Avenue
Norwood, MA 02062
(P) 781-278-3700



JOB NO.

01.0171696.00

PROJ. MGR.: MS
DESIGNED BY.: MBF
REVIEWED BY.: GWM
OPERATOR.: EMD
DATE: 04-14-2015

FIGURE NO.

5