RFP(2021-027)

PROPERTY ACQUISITION
AND
SITE DEVELOPMENT
FORMER WASTEWATER TREATMENT FACILITY

Town of Salem NH

SALEM PURCHASING

Gia Faccadio, Purchasing Agent

Nicole McGee, Finance Director

Christopher Dillon, Town Manager

Prepared for and in coordination
with Salem Municipal Services
Roy E Sorenson, Director

REQUEST FOR PROPOSALS

PROPERTY ACQUISITION AND SITE DEVELOPMENT FORMER WASTEWATER TREATMENT FACILITY SARL DRIVE (FORMERLY 346 SOUTH BROADWAY) SALEM NH

1. Introduction

The Town of Salem NH is currently accepting proposals for the acquisition and development of a 32 acre parcel of land located on Sarl Drive - formerly 346 South Broadway. The parcel is the site of the former Wastewater Treatment Facility and is currently under an environmental/groundwater management permit, NHDES #198405033, HAZARDOUS WASTE PROJECT #00091. The Town has identified areas of soil/groundwater contamination and has advanced a Remedial Action Plan notwithstanding all physical structures have been demolished and abated. At this time the Town is seeking developers experienced with hazardous waste site cleanup that may be able to leverage the contamination costs through grants and assistance and ensure an economically vibrant repurposing of the property.

Notice of this RFQ will published the week of December 27, 2021, in the following newspapers: Lawrence Eagle Tribune (weekly daily newspaper covering the Merrimack Valley and Essex County, Massachusetts, and southern New Hampshire), Union Leader (weekly daily newspaper of Manchester NH and covering southern New Hampshire), and the Portsmouth Herald (six-day daily newspaper serving greater Portsmouth New Hampshire), Boston Globe, Boston Herald, and the Town website:

Current Bids, Proposals and Awards | Salem NH (townofsalemnh.org)

All proposals must be received physically by February 25, 2022, at 2:00 PM delivered to 33 Geremonty Drive, Salem NH, 03079. A site visit will be conducted on January 19, 2022, at 10AM.

The Town of Salem NH reserves the right to accept any proposal, reject any proposal, or waive irregularities for any reason or no reason at all. The Town of Salem NH also reserves the right to accept an offer for all of the parcel, a portion of it through subdivision, or none at all, and other considerations as in the best interest of the Town through the Board of Selectmen.

2. Background

The Town constructed the WWTF at the Site in 1964. Prior to that time, the Site appeared to have been used for agricultural purposes. Expansions of the WWTF were completed in 1972 and 1973 with the addition of filters and digesters. All the WWTF structures were abated and demolished between 2017 and 2021 by the Town. The WWTF operated until 1986, when the sewer main was constructed to

connect the Salem sewer system to the Greater Lawrence Sanitary District.

The site is accessed via SARL Drive that extends from South Broadway to the northeastern portion of the site, and via Garabedian Drive from the south. The site was formerly known as 346 South Broadway (NH Route 28), in Salem, New Hampshire. The site is approximately 32 acres in size and is comprised of two parcels identified as Lot 9475 on the Salem's Tax Parcel Maps 136 and 143. The location of the site in relation to South Broadway (NH Route 28) and the surrounding area is shown in Appendix C. The northern portion of the site is currently occupied by the Salem Animal Rescue League which operates out of several temporary buildings and is under a License Agreement until January 29, 2023 (Appendix D). The Spicket River forms the western and northern boundaries of the site, and portions of the site are located within the 100-year floodplain of the river. Wetlands are located adjacent to the Spicket River, and the remainder of the site is largely wooded, with some areas of open fields that are mowed by the Town. A survey was conducted at the site in 2018 and is listed in Appendix E. A fence is also located at the end of Garabedian Drive to restrict access to the site from the south.

Infrastructure for developing the parcel currently in place includes:

- Water – 6" stub from 12" distribution main on South Broadway via Sarl Drive
  12" distribution main available via Garabedian Drive
- Sewer – 30" main entering property via Sarl Drive from South Broadway
  30" to 42" on property exiting via Garabedian Drive
- Electricity – Liberty Utilities Power Station abutting northeast corner of property, opposite Spicket River, on Duffy Avenue (denoted by red star in Appendix A map)

Other utilities exist in close proximity to the parcel and could be accessed readily notwithstanding the site is located in the Garabedian Drive Economic Revitalization Zone (Appendix F).

The facility was taken offline in 1986 and during excavation for the sewer bypass line at the site in 1986, contamination was encountered. According to a summary of a March 1986 notification report to the New Hampshire Department of Environmental Services (NHDES), a strong chemical odor, dark gray soils, and groundwater with brown foam were observed during excavation. Following discovery of the contamination, numerous investigations were completed and in 1993, NHDES issued a GMP to manage impacted groundwater at the site. The Town has set a goal to reach final cleanup on the property by 2022 and bids were received in early 2021 for Thermal Remediation of Volatile Organic Compounds via the Pre-Design Investigation Summary Report, Remedial Action Plan Addendum (October 23, 2020) and hereto attached in Appendix G.

3. Submission Deadline and Instructions

Interested Party's (IP) are requested to submit proposals clearly marked **"RFP 2021-027 PROPERTY ACQUISITION AND SITE DEVELOPMENT"** with the IP's name and address on the front. One (1) signed original hard copy, five (5) separate hard copies, and one (1) electronic copy (in PDF format on a portable USB flash drive) of the proposal shall be submitted in a secure package. **Proposals submitted by fax or email will not be considered**.

IP's must also execute and include in the sealed submission (including bid and acknowledgements), the Non-Collusion Statement, Signed Addendum (if applicable), and the Tax Certificate W-9 form. All proposals become the property of the Town of which has the right to disclose information contained in the proposals once awards have been made.

All outer envelopes/packages must be labeled **"RFP 2021-027 PROPERTY ACQUISITION AND SITE DEVELOPMENT"** with the IP's name and address on the front, addressed to:

Gia Faccadio – Purchasing Agent
Salem Town Hall
33 Geremonty Drive
Salem, NH 03079

No proposals will be accepted after the time and date noted: February 25, 2022, at 2:00PM. Late delivery of materials due to any type of delivery system issue shall be cause for rejection. Proposals must be signed through the Cover letter - Section 4(IV)(A) by the individual, partner, or designated representative for the IP who is authorized to enter into contracts. Proposals may be dropped off in person at the front counter of the front entrance lobby in Town Hall. There is a drop box located outside of the front entrance for off/after hour deliveries. This drop box will be checked and emptied at 2:00PM on February 25, 2022.

4. Instructions to IP's (Bidder's)

The instructions to IP's as contained herein are expected to become part of the proposed/contract and part of the land acquisition and development agreement/contract to be entered into between the Town of Salem NH and the IP.

I. **Bidder's Responsibility** – Each IP shall be responsible for visiting the property via the site visit conducted on January 19, 2022, at 10:00AM and/or shall visit on their own and become fully acquainted with the conditions of the site. Failure to do so will not relieve the bidder of his/her obligations to comply with all terms and conditions necessary to carry out the provisions of any future Development Agreement. The Town has declared through the Remedial Action Plan representation of conditions of the property, including the environmental condition of the property. IP at its own expense shall be permitted to have the property inspected/examined for extent of environmental contamination prior to any agreement in certainty with the Town. When used "herein" the term "property" shall include all aspects of the property, such as, but not limited to, the soils and groundwater beneath it, including environmental documents and plans

II. **Arrangement for Site Inspection -** The Town of Salem will hold a public site meeting on Wednesday, January 19, 2022, at 10:00AM. After a short

overview with Town representatives including their environmental engineer, IP's may tour the property. While questions will be taken and answered, they will not be entered into the record unless submitted in writing and answered via an addendum posted by the Town of Salem.

III. Questions, Addendum, or Proposal Modification

Questions concerning this RFP must be submitted in writing or email to the Town Contact Person:

Salem Municipal Services
c/o Lyndsay Butler
33 Geremonty Drive
Salem, NH 03079
Email: lbutler@salemnh.gov

Questions/inquiries by email **MUST** have the subject line as: **"RFP 2021-027 PROPERTY ACQUISITION AND SITE DEVELOPMENT"** to be considered.

Questions/inquiries must be received by 5:00PM on February 7, 2022, to be considered. Questions/inquiries may be delivered, mailed, or emailed. Written responses will be posted on the Town's website: Current Bids, Proposals and Awards | Salem NH (townofsalemnh.org) by Addendum at 3:00PM on February 17, 2022. If any changes are made to this RFP, an Addendum will be posted on the Town's website. It is the sole responsibility of the IP to ascertain the existence of any addenda and/or modifications issued by the Town. As this RFP has been published on the Town's website, all IP's are responsible for checking the website for any addenda and /or modifications that are subsequently made to this RFP.

The Town accepts no liability for and will provide no accommodations to IP's who fail to check for addendums and/or modifications to this RFP and subsequently submit an inadequate or incorrect proposal. All proposals submitted in response to this RFP shall remain firm for sixty (60) days following the submittal deadline. The IP is not to communicate directly with any employee of the Town or its environmental engineer, except as specified in this RFP, and no other individual employee, representative, and consultant is authorized to provide any information or respond to any question or inquiry concerning this RFP at the risk of forfeiture.

The IP may communicate with the Contact Person, Lyndsay Butler, in the event this RFP is incomplete, or the bidder is having trouble obtaining any part of the RFP electronically through the Town website including, and without limitation, any form and/or attachments.

IV. Documents to be Submitted – The following documentation must be submitted as part of the proposal package:

A. ***Cover Letter***: as submitted shall state the name of the proposed purchaser and developer, whether an individual, partnership or corporation. This shall include the full names and addresses of all parties who will be the principal investors or owners of the property and who will become part of any contract or agreement. There should be at least one paragraph stating why the IP is interested in this acquisition.

B. ***Financial Portfolio***: Each IP must be able to show evidence that they possess the financial capability to acquire and develop the property. Said evidence may be in the form of financial statements or other documented evidence which will clearly display both the financial capability to acquire and develop the property and experiences and reputation to actually fulfill development commitments.

C. ***Project Portfolio:*** Development Projects by the IP that are similar in size and nature of this RFP. The IP should clearly demonstrate their ability to redevelop contaminated sites while managing the proper permits and including leveraging the necessary means forward including government grants and environmental cleanup funding mechanisms.

D. ***Bid Form:*** The IP must state their proposed purchase price and terms in both words and numerals using the attached Bid Form in Appendix A.

E. ***General Acknowledgement Form:*** The IP must acknowledge they understand the request put forth by the Town including acknowledgement of all relative documents attached hereto that impact any consideration given to their proposal. See the attached Acknowledgement Form in Appendix B.

F. ***Development Concepts:*** The IP should present at least one concept, preferably three, that they believe would best serve the property and which would benefit the Town. It is mutually understood that these are concepts, however the intent thereof should be genuine and that which the IP has demonstrated the ability to execute previously. In addition any award to this proposal does not guarantee Planning Board Approval which will still need to be followed accordingly. The Town would expect that the IP at a minimum has considered:

- compatibility with development project to adjacent properties
- whether or not the proposed use will be owner-occupied
- the projected future property tax yield
- perceived positive value and impact on parcel and abutting neighborhood
- other appropriate facts/considerations relevant to the development of the property

V. **Qualifications of Bidder** – The Town may make such investigations as it deems necessary to determine the ability of the bidder to acquire the property and perform the development under the conditions as provided for herein. All IP's shall furnish the Town with all pertinent information and data for this purpose. The Town reserves the right to reject any bid if the evidence submitted by, or investigation of, such IP fails to satisfy the Town that the IP is properly qualified or able to carry out the obligations as contemplated herein. Conditional bids will not be accepted.

VI. **Purchase Agreement, Closing and Performance** – The successful bidder will be expected to suggest a proposed closing date in the proposal that may be subject to change as applicable regarding environmental compliance. The closing will require execution of all legal documents, purchase agreements and contracts as may be required to consummate a complete sale including payment for acquisition of the property and other required agreements that will need to be executed to guarantee development in accordance with the terms and conditions as outlined herein and as may be negotiated with the successful IP. Throughout the process, the property may be subject to taxation, as well as federal, state and municipal laws; easements and restrictions of record.

VII. **Withdrawal of Bids** – Bids may not be withdrawn for a period of sixty (60) calendar days after the date of opening unless the consent of the Town is given. Negligence on the part of the bidder in preparing the bid confers no right for withdrawal of the bid after it has been opened.

5. Comparative Evaluation Criteria

All proposals will be evaluated based upon the specific documents requested in Section IV. The following point schedule and general narrative will be utilized accordingly:

Highly Advantageous	3-5 points	Response excels on the specific criterion
Advantageous	2 points	Response meets evaluation standard for the criterion
Least Advantageous	1 point	Response does not fully meet the criterion or leaves a question or issue not fully addressed
Does Not Meet	0 points	Does not address the criterion

NOTE: Section IV(E) will not be scored but needs to be fully acknowledged.

6. Selection and Award

The Town may select as many as three proposals depending on the quality and number of submittals. The selection will be done by a five member panel of relative Town officials. Finalists may be required to appear for an interview, presentation, and/or

provide additional information to the Town and its representatives. The Town reserves the right to award to the proposal that is in the best interest of the Town, all things considered, and not exclusively to the highest bid. An award if any may be announced by May 1, 2022, at the earliest.

APPENDIX A

BID FORM

PROPERTY ACQUISITION AND SITE DEVELOPMENT
FORMER WASTEWATER TREATMENT FACILITY

BID SUBMITTED

Name of Purchaser (IP) or Developer:_____

Name and Address of ALL Principal Investors or Owners:

_____
_____
_____

- ☐ Individual
- ☐ Partnership
- ☐ Corporation
- ☐ Other: _____

Proposed Purchase Price (FIGURE) $_____

Proposed Purchase Price (WORDS):

_____
_____
_____
_____

APPENDIX B

ACKNOWLEDGEMENT FORM

The following is Acknowledged by the Purchaser (IP) or Developer submitting the Proposal as inferring "I" as the IP and/or supporting team:

Check box and sign below

☐ I affirm that I have received and reviewed all attachments in the Appendix as submitted through this RFP.

☐ I affirm that I have viewed the property and understand its location and zoning requirements.

☐ I affirm that I have read the Pre-Design Investigation Summary Report, Remedial Action Plan Addendum, and understand the extents of contamination on the property by which will need to be remediated.

☐ I affirm my understanding that I as the IP, purchase/developer, must submit and gain approval of a site plan that must meet all of Town of Salem requirements and must follow all other normal procedures for acquiring permits for site development and construction.

☐ I affirm my understanding that the property is subject to an approved Development Agreement and that the proposed use is conceptually sound but will require amendments thereof to the proposal as set forth herein.

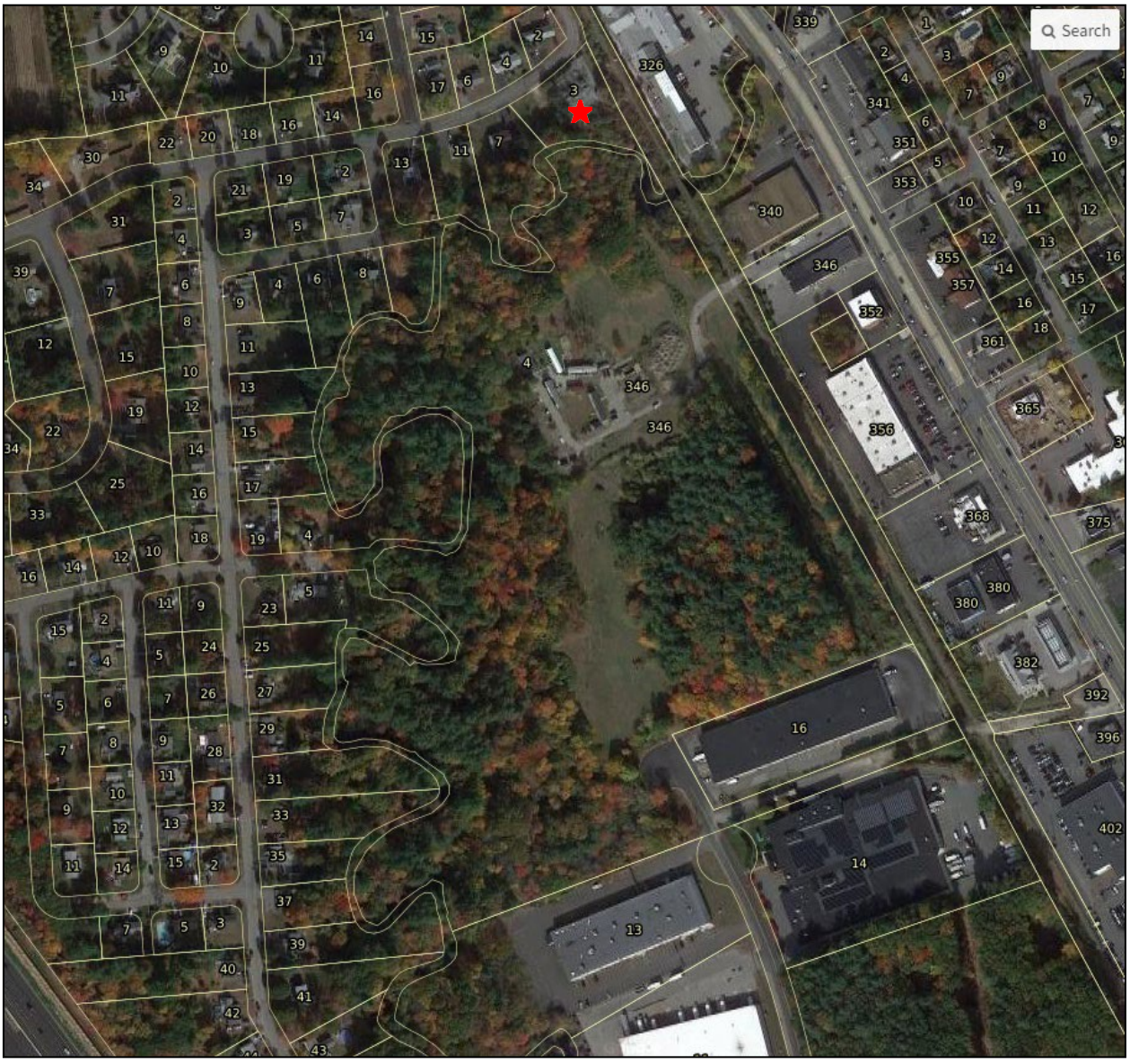
☐ I affirm that I understand the Town of Salem's site plan approval and Planning Department processes which must be followed for any redevelopment that may be borne by this RFP.

Name:_____ Date:_____

Title:_____

APPENDIX C

Map of Subject Property



★ Liberty Utilities Power Station

APPENDIX C - Continued

Map of Subject Property



★ Liberty Utilities Power Station

APPENDIX C - Continued

Map of Subject Property

2016 Aerial of Building Structures since Demolished



APPENDIX D

LICENSE AGREEMENT

Agreement made, effective as of **July 9, 2021,** by and between Town of Salem, a New Hampshire municipal corporation, with a mailing address of 33 Geremonty Drive, Salem, New Hampshire 03079, herein referred to as "Licensor", and Salem Animal Rescue League (SARL), a New Hampshire Non-Profit corporation, with a mailing address of 4 SARL Drive, Salem, New Hampshire 03079, herein referred to as "Licensee."

The parties agree as follows:

SECTION ONE
Grant of Permission

In consideration of Licensee's promises contained in this Agreement, Licensor gives permission, revocable and terminable as provided below, to Licensee to enter on the real property of Licensor described below and utilize the buildings thereon on a non-exclusive basis for the purpose of operating and maintaining animal shelters and related activities on Licensor's property as described in Section Two below, all on the terms and conditions set forth in this Agreement, with which Licensee promises to comply and abide.

SECTION TWO
Description of Property

The real property of Licensor that Licensee is permitted to enter under and pursuant to this Agreement is located in the Town of Salem, County of Rockingham, State of New Hampshire, and more particularly described as follows: 32 acres off of South Broadway, Salem, New Hampshire, being a portion of the Town of Salem Tax Map 143, Lot 9475. The particular portion of the real property that the Licensee may use is shown on Exhibit A attached hereto and incorporated herein. THE LICENSEE HEREBY ACKNOWLEDGES THAT IN AREAS OF THE PREMISES NOT SHOWN ON EXHIBIT A, CONDITIONS WHICH MAY BE DANGEROUS TO THE PUBLIC AND PARTICULARLY TO UNSUPERVISED CHILDREN MAY EXIST AND HEREBY AGREES TO NOT ALLOW ANY OF ITS STAFF OR VISITORS OUTSIDE OF THE AREA SHOWN ON EXHIBIT A. SUCH AREAS SHALL BE POSTED WITH "NO TRESPASS" SIGNS WHICH SHALL BE MAINTAINED BY THE LICENSEE.

SECTION THREE
No Monetary Consideration

The permission granted to Licensee under this Agreement is given to Licensee as an accommodation to Licensee and it shall be without charge to Licensee so long as Licensee provides coverage at the Town Kennel when necessary. Licensee acknowledges the title of Licensor to the above-described real property and agrees never to assail, resist, or deny such title.

SECTION FOUR
Permission Not Exclusive

The permission granted to Licensee under this Agreement is not exclusive to Licensee and Licensee shall have the privilege under this Agreement only of utilizing such portion of the above-described premises as the representative of Licensor in charge of such premises shall designate from time to time within the portion of the premises designated on Exhibit A. Building designated as "Town Kennel" on Exhibit A shall be occupied exclusively by Licensor but may be utilized by the Licensee for limited purposes when it is providing coverage for the Town Animal Control Officer.

SECTION FIVE
Buildings or Structures

Licensee may occupy only the three/four/five modular structures and/or trailers on the above-described property, and the Town Kennel on a limited basis as noted hereinabove and may not erect any temporary structures, fixtures, shelters or attachments except with the prior written consent of the Town Manager. Licensee shall be solely responsible for the maintenance, repair and /or replacement of all structures and equipment that it has on the property.

SECTION SIX
Hold Harmless; Insurance

The Licensee shall hold the Licensor harmless from any liability or damages, including its attorneys' fees, arising from the public's use of the property, unless caused by Licensor's willful or wanton misconduct. The Licensee shall maintain liability insurance for bodily injury and property damage arising from Licensee's and the public's use of the property, with contractual liability coverage and coverage limits customary for uses of this nature, which policies shall list Licensor as an additional insured. Annually, on or before June 1 of each year, the Licensee shall provide an insurance certificate to the Licensor for review and approval.

SECTION SEVEN
No Commercial Use or Nuisance

Licensee shall not use nor shall it allow any portion of the premises to be used for uses not included in its non-profit purpose as an animal rescue facility or for any profit-making commercial purposes, and shall not perform or permit any of Licensee's agents, employees or invitees to perform any disorderly conduct or commit any nuisance on such property or to use such property in any way so as to interfere with the exercise by Licensor of its use of the property.

SECTION EIGHT
Utilities/Other Services

Licensee shall pay for all utility and other services furnished to or for Licensee on the above-described property.

SECTION NINE
Privileges Not Assignable

Licensee's privileges under this Agreement shall not be assignable by Licensee in whole or in part.

SECTION TEN
Term; Termination

The term of this License Agreement shall be for **two (2)** years commencing **July 9, 2021, and ending on July 9, 2023.**

Both parties reserve the right to terminate the permission granted by this Agreement at any time by giving the other party a minimum of **six (6) month's** written notice of such termination, except that Licensor may, at its election, terminate the permission immediately without such notice at any time if Licensee shall fail to comply with or abide by each and all of the provisions of this Agreement or to keep all of Licensee's promises contained in this Agreement.

SECTION ELEVEN
Notice

Any notice provided for or concerning this Agreement shall be in writing and be deemed sufficiently given when sent by certified or registered mail if sent to the respective address of each party as set forth at the beginning of this Agreement.

SECTION TWELVE
Removal of Property

On revocation, surrender, or other termination of the permission granted by this Agreement, Licensee shall quietly and peaceably surrender the portion of the above-described property occupied by Licensee in as good condition as such property was at the time of Licensee's entry on such property under this Agreement and shall remove all fixtures, equipment, and other personal property placed by Licensee on such property, and if Licensee shall fail to do so, Licensor shall have the right to make such removal at Licensee's expense, the amount of which expense Licensee shall pay to Licensor on demand, and, if Licensor shall so elect, it shall have the right to take possession of and appropriate to itself without payment therefor any property of Licensee, or anyone claiming under Licensee, then remaining on the above-described property.

SECTION THIRTEEN
Governing Law

It is agreed that this Agreement shall be governed by, construed, and enforced in accordance with the laws of the State of New Hampshire.

SECTION FOURTEEN
Effect of Partial Invalidity

The invalidity of any portion of this Agreement will not and shall not be deemed to affect the validity of any other provision. In the event that any provision of this Agreement is held to be invalid, the parties agree that the remaining provisions shall be deemed to be in full force and effect as if they had been executed by both parties subsequent to the expungement of the invalid provision.

SECTION FIFTEEN
Entire Agreement

This Agreement constitutes the entire agreement between the parties and any prior understanding or representation of any kind preceding the date of this Agreement shall not be binding on either party except to the extent incorporated in this Agreement.

SECTION SIXTEEN
Modification of Agreement

Any modification of this Agreement or additional obligation assumed by either party in connection with this Agreement shall be binding only if evidenced in writing signed by each party or an authorized representative of each party.

In witness, each party to this Agreement has caused it to be executed at Salem, New Hampshire on the date(s) indicated below.

Witness

Licensor:
Town of Salem
By:

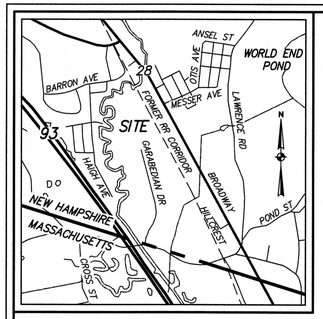
Name: Christopher A. Dillon
Its: Town Manager
Duly Authorized

Witness

Licensee:
Salem Animal Rescue League
By:

Name: Jinelle Hobson
Its: Executive Director
Duly Authorized

APPENDIX E



LOCUS
N.T.S.

EXISTING CONDITIONS NOTES:

1) THIS PLAN (DWG. EX1) IS SHEET 2 OF A TWO SHEET SET. THE INTENT OF THIS SHEET IS TO DEPICT THE EXISTING CONDITIONS OF THE SUBJECT PREMISES AS SHOWN HEREON. FOR ADDITIONAL NOTES, REFERENCES AND INFORMATION PERTAINING TO THE SUBJECT BOUNDARY, SEE DWG. B1 (SH 1 OF 2).

2) THIS PLAN IS BASED ON AN ACTUAL FIELD SURVEY PERFORMED ON THE GROUND BETWEEN JULY AND SEPTEMBER 2018.

3) BASIS OF BEARING IS NH GRID NORTH. HORIZONTAL DATUM IS NAD83(2011); VERTICAL DATUM IS NGVD29.

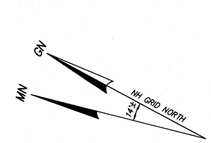
LEGEND

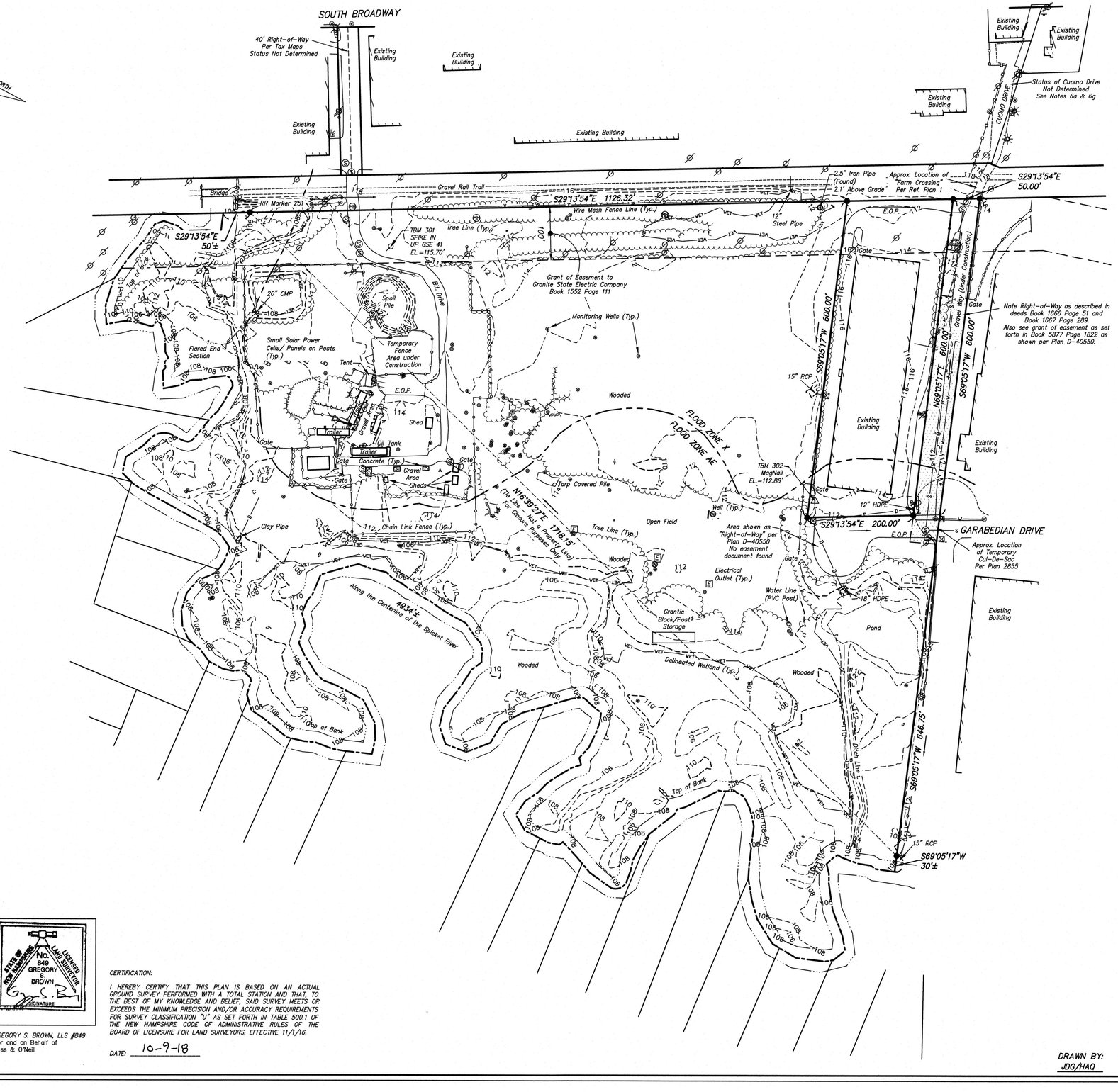
●	Rebar w/Cap to be Set	⊸	Sign
⊙	Iron Pipe Found	——o	Guy Wire
Ⓢ	Sewer Manhole	⋈	Hydrant
Ⓓ	Drain Manhole	⊠	Catch Basin
—o—	Chain Link Fence	⌀	Utility Pole
—x—	Wire Mesh Fence	E.O.P.	Edge of Pavement
—S—	Sewer Line	⊙	Monitoring Well
—D—	Drain Line	⊛	Gas Valve
—G—	Gas Line	⊛	Water Valve
—W—	Water Line	Ⓜ	Manhole

GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)
1 inch = 100 ft.





CERTIFICATION:

I HEREBY CERTIFY THAT THIS PLAN IS BASED ON AN ACTUAL GROUND SURVEY PERFORMED WITH A TOTAL STATION AND THAT, TO THE BEST OF MY KNOWLEDGE AND BELIEF, SAID SURVEY MEETS OR EXCEEDS THE MINIMUM PRECISION AND/OR ACCURACY REQUIREMENTS FOR SURVEY CLASSIFICATION "U" AS SET FORTH IN TABLE 500.1 OF THE NEW HAMPSHIRE CODE OF ADMINISTRATIVE RULES OF THE BOARD OF LICENSURE FOR LAND SURVEYORS, EFFECTIVE 11/1/16.

DATE: 10-9-18

STATE OF NEW HAMPSHIRE LICENSED LAND SURVEYOR NO. 849 GREGORY S. BROWN SIGNATURE

GREGORY S. BROWN, LLS #849
For and on Behalf of
Fuss & O'Neill

DRAWN BY: JDG/HAQ

NO.	DATE	REVISION

FUSS&O'NEILL
540 COMMERCIAL STREET
MANCHESTER, NEW HAMPSHIRE 03101
603.668.8223
www.ctdengineers.com | www.fando.com

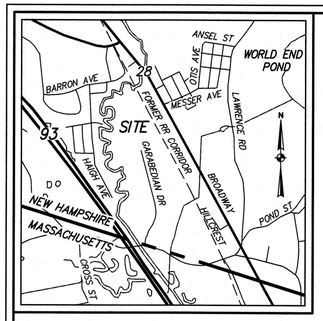
CLIENT: TOWN OF SALEM
33 GEREMONTY DRIVE
SALEM, NEW HAMPSHIRE 03079

DEED HOLDER: TOWN OF SALEM
33 GEREMONTY DRIVE
SALEM, NEW HAMPSHIRE 03079
BOOK 1666 PAGE 51

TOWN OF SALEM
EXISTING CONDITIONS SURVEY
TAX MAP 143 LOT 9475
SOUTH BROADWAY
SALEM, NEW HAMPSHIRE
ROCKINGHAM COUNTY

SCALE:	JOB NO.
1"=100'	20180628.A10
DATE:	DWG.
OCT. 2018	EX1 SH. 2 OF 2

F:\P2018\06\28\A10\SURVEY-SARL\DRAWING\20180628-BND_EXC.DWG 10/10/2018 8:50 AM



LOCUS
N.T.S.

REFERENCE PLANS:

1) "RIGHT-OF-WAY AND TRACK MAP, MANCHESTER AND LAWRENCE R.R. – OPERATED BY THE BOSTON AND MAINE R.R., STATION 1566+63 TO STATION 1619+0", DATED JUNE 30, 1914, V.10/1, ON FILE AT THE NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION.

2) "PLAN SHOWING EASEMENT ACROSS LAND IN SALEM, NEW HAMPSHIRE CONVEYED TO GRANITE STATE ELECTRIC COMPANY BY STILLMAN E. KEALEY ET UX BY DEED DATED JUNE 7, 1960, BOOK 1552, PAGE 111", DATED JUNE 5, 1961, R.C.R.D. PLAN 03219

3) "PLAN OF LAND IN SALEM, N.H., OWNED BY RAYMOND C. CARON", DATED OCTOBER 14, 1965 BY ROBERT W. THORNDIKE, R.C.R.D. PLAN 589.

4) "BOUNDARY & SUBDIVISION PLAN, ALICE GUILMET, SALEM, N.H.", DATED APRIL 21, 1970, BY THOMAS F. MORAN, R.C.R.D. PLAN 1773.

5) "CONSTRUCTION INDUSTRIES, SHEET 1, DEFINITIVE SUBDIVISION PLAN, SALEM, NEW HAMPSHIRE", DATED NOVEMBER 17, 1969, BY ROBERT E. ANDERSON, INC., R.C.R.D. PLAN D-2855.

6) "PLAN OF LAND IN SALEM, NEW HAMPSHIRE, SURVEYED FOR CONSTRUCTION INDUSTRIES INC., DATED JUNE 1976, BY STOWERS ASSOCIATES, INC., R.C.R.D PLAN D-6387.

7) "PLAN OF LAND IN SALEM, NEW HAMPSHIRE, PREPARED FOR CONSTRUCTION INDUSTRIES, INC.", DATED AUGUST 1977, BY STOWERS ASSOCIATES, INC., R.C.R.D. PLAN B-7797.

8) "PLANS OF PROPOSED BRIDGE REHABILITATION & URBAN SYSTEM FEDERAL AID PROJECT, BHM-MG-M-5399 (007), N.H. PROJECT NO. C-2415-G, SOUTH BROADWAY (N.H. ROUTE 28), TOWN OF SALEM, COUNTY OF ROCKINGHAM", ORCA 1986, AS BUILT PLANS, ON FILE AT THE STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION.

9) "ALTA/ACSM LAND TITLE SURVEY, 408 SOUTH BROADWAY (N.H. ROUTE 28) (LOT 192, MAP 143) SALEM, NEW HAMPSHIRE – RECORD OWNER: SALEM FARM REALTY, PREPARED FOR CIRCUIT CITY STORES, INC.", DATED MAY 8, 1992, LAST REVISED SEPTEMBER 21, 1992, BY ALLAN H. SWANSON, INC., R.C.R.D. PLAN D-21814.

10) "LOT CONSOLIDATION & SUBDIVISION PLAN, PREPARED FOR SALEM ROCKINGHAM, LLC, SALEM PROPERTY MAP 143-LOT 192, 193,& 194, 398-412 SOUTH BROADWAY (ROUTE 28) SALEM, NEW HAMPSHIRE", DATED MARCH 23, 2007, LAST REVISED APRIL 2, 2008, BY MHF DESIGN CONSULTANTS, INC., R.C.R.D. PLAN D-35781.

11) "EXHIBIT 'A' – EASEMENT DRAWING, PREPARED FOR CUMBERLAND FARMS, INC., SALEM PROPERTY MAP 143-LOT 197, 382 SOUTH BROADWAY (ROUTE 28) SALEM, NH", DATED NOVEMBER 18, 2013, BY MHF DESIGN CONSULTANTS, INC., R.C.R.D. PLAN D-38108.

12) "EASEMENT PLAN, PREPARED FOR CUMBERLAND FARMS, INC., SALEM PROPERTY MAP 143-LOT 197", DATED AUGUST 19, 2015, LAST REVISED NOVEMBER 16, 2015, BY MHF DESIGN CONSULTANTS, INC., R.C.R.D. PLAN D-39324.

13) "EASEMENT PLAN, SALEM PROPERTY MAP 143-LOT 9475, 8 S. BROADWAY, PREPARED FOR FOURTEEN GARABEDIAN DRIVE, LLC", DATED NOVEMBER 7, 2017, BY MHF DESIGN CONSULTANTS, INC., R.C.R.D. PLAN D-40550.

NOTES:

1) THE INTENT OF THIS PLAN IS TO DEPICT THE BOUNDARY OF THE SUBJECT PREMISES AS SHOWN HEREON.

2) THIS PLAN IS BASED ON AN ACTUAL FIELD SURVEY PERFORMED ON THE GROUND BETWEEN JULY AND SEPTEMBER 2018.

3) BASIS OF BEARING IS NH GRID NORTH. HORIZONTAL DATUM IS NAD83(2011); VERTICAL DATUM IS NGVD29.

4) THE SUBJECT PROPERTY IS LOCATED IN THE COMMERCIAL-INDUSTRIAL, SUBDISTRICT C (CI-C) ZONING DISTRICT. BUILDING SETBACKS ARE AS FOLLOWS: FRONT 30'; SIDE 20'; REAR 20'. FINAL DETERMINATION IS MADE BY THE TOWN OF SALEM ZONING OFFICIALS.

5) SUBJECT PREMISES IS LOCATED PARTIALLY IN ZONE X AND PARTIALLY IN ZONE AE AS SHOWN ON FEMA FLOOD INSURANCE RATE MAP(S) FIRM 33015C0564E, EFFECTIVE DATE: MAY 17, 2005.

6) EASEMENTS AND/OR RIGHTS-OF-WAY AS SHOWN ARE THOSE FOUND DURING OUR RESEARCH OF THE SUBJECT PROPERTY AND ABUTTING TRACTS. IN ADDITION, THE SUBJECT PREMISES MAY BE SUBJECT TO AND/OR WITH THE BENEFIT OF THE FOLLOWING:

a) VARIOUS "FARM CROSSINGS" AND/OR RIGHTS OF WAY AS RECITED AND/OR DEPICTED IN AND ON DOCUMENTS OF RECORD TO THE EXTENT THE SAME AFFECT AND BENEFIT THE SUBJECT PREMISES (SEE REFERENCE PLANS AS NOTED ABOVE, DEED TO JOHN J. KEALEY DATED AUGUST 29, 1923, BOOK 777 PAGE 288 AND DEEDS TO THE TOWN OF SALEM AT BOOK 1667 PAGES 288 & 290).

b) GRANT OF EASEMENT FROM STILLMAN E. KEALEY ET UX TO GRANITE STATE ELECTRIC COMPANY DATED JUNE 7, 1960, BOOK 1552 PAGE 111 (SEE PLAN 03219).

c) SUBJECT TO A RIGHT-OF WAY AS DESCRIBED IN DEED FROM KEALEY TO THE TOWN OF SALEM BY DEED DATED APRIL 8, 1963 BOOK 1666 PAGE 51.

d) SUBJECT TO A RIGHT-OF-WAY AS GRANTED FROM, STILLMAN E. KEALEY ET UX TO ARMAND COCCHIARO ET AL DATED APRIL 8, 1963, R.C.R.D. BOOK 1667 PAGE 289.

e) GRANT OF WATER AND SEWER RIGHTS FROM CONSTRUCTION INDUSTRIES INCORPORATED TO THE TOWN OF SALEM DATED MAY 18, 1970, BOOK 2020 PAGE 496 TO THE EXTENT THE SAME MAY BENEFIT THE SUBJECT PREMISES.

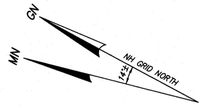
f) GRANT OF EASEMENT FROM THE TOWN OF SALEM TO NEW ENGLAND TELEPHONE AND TELEGRAPH COMPANY DATED MAY 31, 1978, R.C.R.D. BOOK 2312 PAGE 1449.

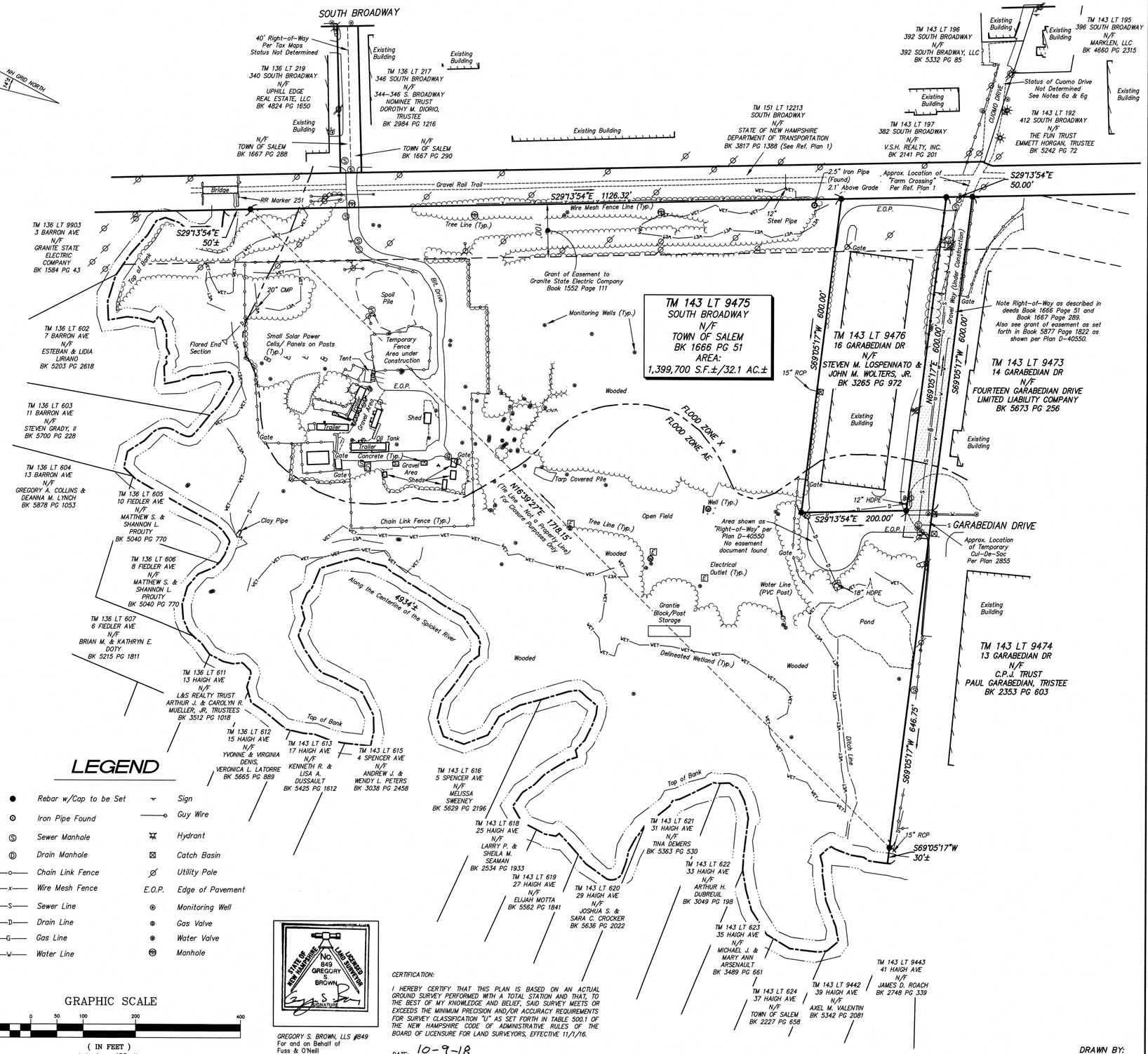
g) GRANT OF 20 FOOT WIDE WATER LINE EASEMENT FROM CUMBERLAND FARMS, INC. TO THE TOWN OF SALEM DATED FEBRUARY 9, 2016, R.C.R.D. BOOK 5693 PAGE 622 (SEE PLAN D-39324).

h) AGREEMENT AND GRANT OF EASEMENT BY AND BETWEEN FOURTEEN GARABEDIAN DRIVE LIMITED LIABILITY COMPANY AND HE TOWN OF SALEM DATED NOVEMBER 29, 2017, R.C.R.D. BOOK 5877 PAGE 1822 (SEE PLAN D-40550).

7) UTILITY STRUCTURES AT OR ABOVE THE GROUND SURFACE SHOWN HEREON ARE THOSE THAT HAVE BEEN OBSERVED FROM SURFACE EVIDENCE. UTILITIES BENEATH THE GROUND SURFACE HAVE NOT BEEN OBSERVED AND ARE SHOWN APPROXIMATELY HEREON AS DERIVED FROM A COMBINATION OF SURFACE MARKINGS BY OTHERS AND/OR RECORD INFORMATION AND ARE NOT VERIFIED LOCATIONS OR CONFIRMATION OF EXISTENCE OF SAID UNDERGROUND UTILITIES. ALL UNDERGROUND UTILITIES SHOULD BE LOCATED IN THE FIELD PRIOR TO COMMENCEMENT OF ALL SITE WORK. CALL DIG SAFE 1-888-344-7233 A MINIMUM OF 72 HOURS PRIOR TO PLANNED ACTIVITY.

8) WETLANDS DELINEATED BY GOVE ENVIRONMENTAL SERVICES, INC. DURING JULY 2018.





LEGEND

●	Rebar w/Cap to be Set	⊸	Sign
⊙	Iron Pipe Found	—o—	Guy Wire
Ⓢ	Sewer Manhole	⋇	Hydrant
Ⓓ	Drain Manhole	⊠	Catch Basin
—o—o—	Chain Link Fence	⌀	Utility Pole
—x—x—	Wire Mesh Fence	E.O.P.	Edge of Pavement
—S—	Sewer Line	⊙	Monitoring Well
—D—	Drain Line	⊛	Gas Valve
—G—	Gas Line	⊛	Water Valve
—W—	Water Line	Ⓜ	Manhole

GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)
1 inch = 100 ft.

STATE OF NEW HAMPSHIRE LICENSED LAND SURVEYOR
No. 849
GREGORY S. BROWN
SIGNATURE

GREGORY S. BROWN, LLS #849
For and on Behalf of
Fuss & O'Neill

CERTIFICATION:

I HEREBY CERTIFY THAT THIS PLAN IS BASED ON AN ACTUAL GROUND SURVEY PERFORMED WITH A TOTAL STATION AND THAT, TO THE BEST OF MY KNOWLEDGE AND BELIEF, SAID SURVEY MEETS OR EXCEEDS THE MINIMUM PRECISION AND/OR ACCURACY REQUIREMENTS FOR SURVEY CLASSIFICATION "U" AS SET FORTH IN TABLE 500.1 OF THE NEW HAMPSHIRE CODE OF ADMINISTRATIVE RULES OF THE BOARD OF LICENSURE FOR LAND SURVEYORS, EFFECTIVE 11/1/16.

DATE: 10-9-18

DRAWN BY: JDG/HAQ

NO.	DATE	REVISION

FUSS&O'NEILL
540 COMMERCIAL STREET
MANCHESTER, NEW HAMPSHIRE 03101
603.668.8223
www.ddengineers.com | www.fando.com

CLIENT: TOWN OF SALEM 33 GEREMONTY DRIVE SALEM, NEW HAMPSHIRE 03079

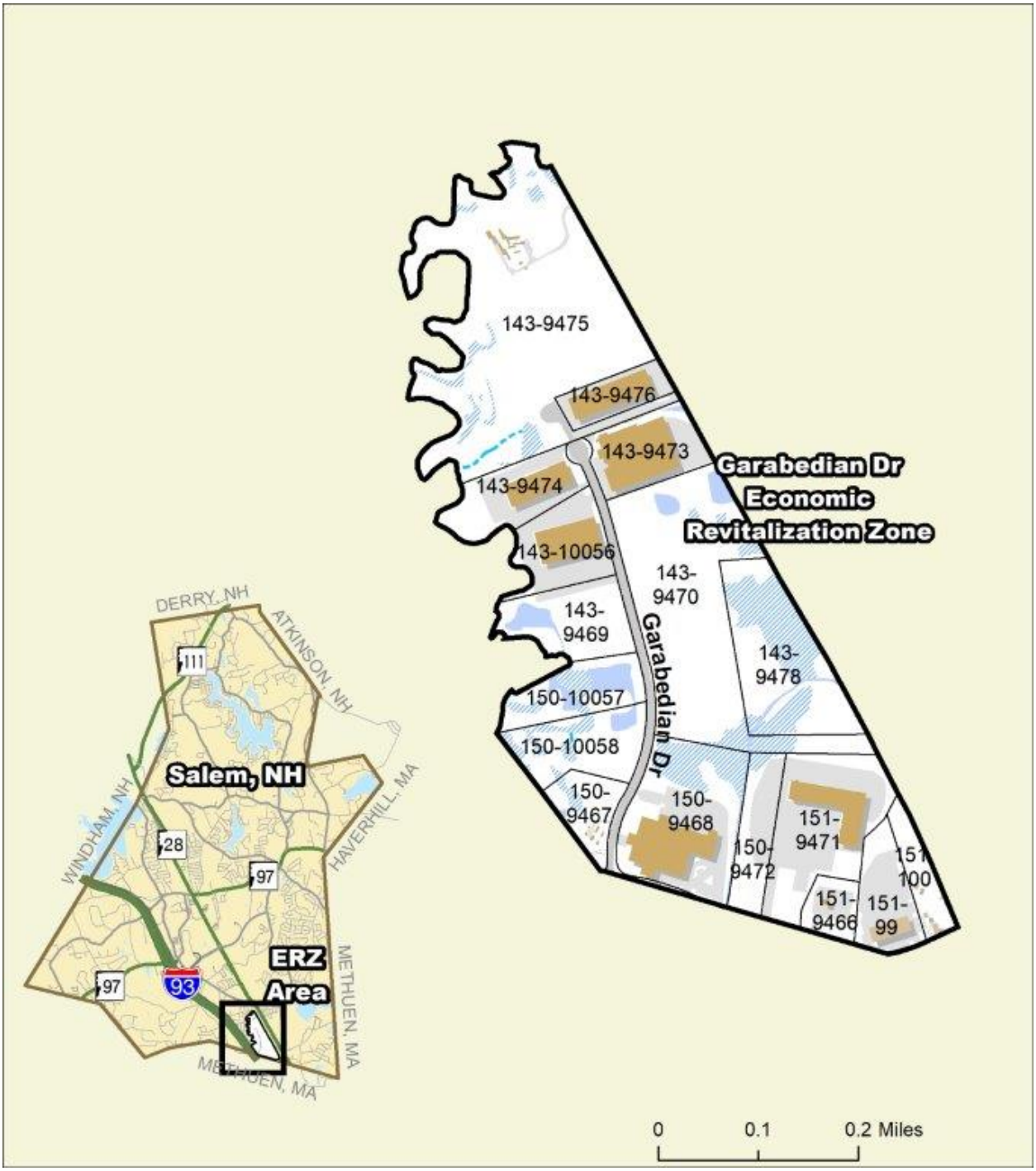
DEED HOLDER: TOWN OF SALEM 33 GEREMONTY DRIVE SALEM, NEW HAMPSHIRE 03079 BOOK 1666 PAGE 51

TOWN OF SALEM
BOUNDARY PLAN
TAX MAP 143 LOT 9475
SOUTH BROADWAY
SALEM, NEW HAMPSHIRE
ROCKINGHAM COUNTY

SCALE:	JOB NO.
1"=100'	20180628.A10
DATE:	DWG.
OCT. 2018	B1
	SH. 1 OF 2

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APPENDIX F


143-9475
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151-100
Garabedian Dr
Garabedian Dr Economic Revitalization Zone
DERRY, NH
ATKINSON, NH
HAVERHILL, MA
METHUEN, MA
WINDHAM, NH
Salem, NH
ERZ Area
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0.1
0.2 Miles

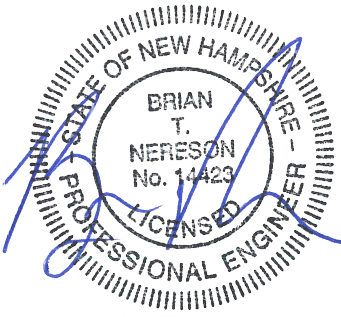
APPENDIX G

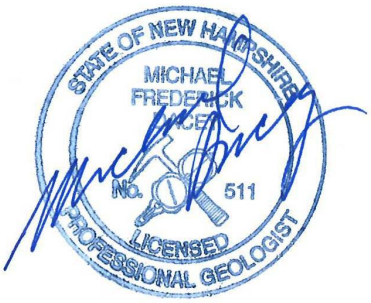
NHDES Waste Management Division
29 Hazen Drive; PO Box 95
Concord, New Hampshire 03302-0095

Pre-Design Investigation Summary Report and Remedial Action Plan Addendum
Former Salem Wastewater Treatment Facility
346 South Broadway
Salem, NH 03079

NHDES Site #198405033
Project Type: Hazardous Waste Project
Project Number: 91

Prepared For:
Town of Salem, New Hampshire
33 Geremonty Drive
Salem, New Hampshire 03079
Phone Number (603) 890-2150
Contact Name: Roy Sorenson, Director Municipal Services
Contact Email: rsorenson@salemnh.gov





Prepared By:
GeoInsight, Inc
186 Granite Street, Suite 3A
Manchester, New Hampshire 03101
Phone Number: (603) 314-0820
Contact Name: Michael F. Dacey, P.G.
Contact Email: mfdacey@geoinc.com

October 23, 2020
GeoInsight Project 8705-000

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-DRAFT-PRE-DESIGN INVESTIGATION SUMMARY AND REMEDIAL ACTION PLAN ADDENDUM
FORMER SALEM WASTEWATER TREATMENT FACILITY
SARL DRIVE (FORMERLY 346 SOUTH BROADWAY)
SALEM, NEW HAMPSHIRE
NHDES #198405033

1.0 INTRODUCTION

This report presents the results of the Pre-Design Investigation (PDI) activities related to the proposed remediation of volatile organic compound (VOC) impacts at the Former Salem Wastewater Treatment Facility (WWTF) property in Salem, New Hampshire (the Site). PDI field activities were completed by Woodard & Curran, Inc. (Woodard & Curran) on behalf of the Town of Salem (the Town), in general accordance with the PDI Work Plan (PDI Work Plan) approved by the New Hampshire Department of Environmental Services (NHDES)[1].

This report also includes a screening of remedial alternatives and a recommended remedial approach to address impacted soil and groundwater at the Site. The Town authorized GeoInsight, Inc. (GeoInsight) in September 2020 to prepare remedial contractor bid specifications with the goal of soliciting remediation bids in December 2020/January 2021 and initiation of remedial activities in spring 2021.

The Town retained GeoInsight in February 2020 to address soil and groundwater impacts currently managed under NHDES Groundwater Management Permit (GMP) #GWP-198405033-S-005, including compiling and summarizing the data gathered during PDI field activities and conducting a screening of potential remedial alternatives based upon the PDI findings and other investigations previously completed at the Site. Prior investigations and remedial actions at the Site were primarily completed by GZA GeoEnvironmental, Inc. (GZA) on behalf of the Town from the late-1980s until November 2018.

[1] *Pre-Design Investigation Work Plan*, prepared by Woodard & Curran, dated April 8, 2019, approved by NHDES in correspondence dated May 28, 2019.

The PDI Work Plan also included sampling and analysis of soil stockpiled at the Site from a 2017 Town utility improvement project (South Broadway Sewer, Water, and Bridge Improvements). The results will assist in evaluating possible uses for the soil, and in particular, as backfill for the former WWTF building subgrade structure.

GeoInsight's services and this PDI Summary Report and Remedial Action Plan (RAP) Addendum are subject to the Limitations provided in Appendix A.

2.0 BACKGROUND

A summary of the Site background is provided below and is based upon GeoInsight's review of key historical reports for the Site, which were available from the NHDES OneStop website and the Town. These reports included Woodard & Curran's 2019 Periodic Summary Report[2], GZA's 2017 Periodic Summary Report[3], GZA's 1989 Phase II Hydrogeologic Study[4], and other reports referenced in the Sections below.

2.1 SITE DESCRIPTION

The Site address was formerly 346 South Broadway (NH Route 28), in Salem, New Hampshire. The Site is accessed via a right-of-way (SARL Drive) that extends from South Broadway to the northeastern portion of the Site, and via a gated entry off Garabedian Drive to the south. The location of the Site in relation to South Broadway (NH Route 28) and the surrounding area is shown on the Locus Plan provided as Figure 1. The Site property is approximately 32 acres in size and is comprised of two parcels identified as Lot 9475 on the Town's Tax Parcel Maps 136 and 143.

Municipal WWTF operations previously took place in the northern portion of the Site (as described in more detail below). The former WWTF structures have since been demolished, except for the subgrade foundation structure for the former WWTF building, which consists of an approximately 30-foot deep, two-story basement and abutting 30-foot deep, two-story -"wetwell." The Town is currently evaluating recently received bids for demolition and closure of this structure and intends to execute a contract and begin demolition activities by the end of December 2020.

The northern portion of the Site, in the area of the former WWTF building, is currently occupied by the Salem Animal Rescue League (SARL), which operates out of several temporary

[2] *2017-2018 Periodic Summary Report*, prepared by Woodard & Curran, dated February 25, 2019
[3] *Periodic Summary Report – 2015 and 2016*, prepared by GZA, dated May 3, 2017
[4] *Phase II Hydrogeologic Study*, prepared by GZA, dated December 1989

buildings. An approximately 2,000 cubic yard (CY) soil pile from the 2017 Town utility improvement project ("current" soil pile) is also located in this area (sampling of this stockpile, which contains asphalt fragments, is further described in Section 3.2.1). Portions of this area of the property are surrounded by a chain-link fence, and a locked gate separates this area from the southern portion of the Site.

The Spicket River forms the western and northern boundaries of the Site, and portions of the Site are located within the 100-year floodplain of the river. Wetlands are located adjacent to the Spicket River, and the remainder of the Site is largely wooded, with some areas of open fields that are mowed by the Town. During a survey conducted at the Site in 2018, a small pond was noted near the southern Site boundary, near Garabedian Drive. Previous reports describe a culvert entering the southeast portion of the Site from South Broadway that discharged to a drainage swale and into a wooded area in this portion of the Site. A fence is also located at the end of Garabedian Drive to restrict access to the property from the south.

The Site is relatively flat, with less than a 4-foot difference in elevation across most of the Site. Steeper grades are present near the embankment of the Spicket River in the northern and western areas of the Site. Reportedly, fill was placed in low-lying areas in the northern and western portions of the Site, presumably during construction of the WWTF. Fill was also observed in some of the borings completed during the PDI, as described below.

A sewer interceptor/connector pipe was installed at the property in 1986, which runs from the area of the former WWTF on SARL Drive through the Site to Garabedian Drive to the south. The sewer connector was added when the WWTF was decommissioned, and the Town connected to the Greater Lawrence Sanitary District (GLSD) for sanitary sewage treatment and disposal.

GeoInsight visited the Site in April 2020 to observe key Site features in the central and southern portions of the Site. Several piles of soil and concrete construction debris were noted, as well as

an area of what appeared to be remnant totes and pallets from some of the previous bioremediation efforts.

Current Site features are shown on the Site Features and Exploration Location Plan provided as Figure 2A. GeoInsight's April 2020 Site visit observations are noted on Figures 2B and 2C.

2.2 SITE SETTING

The Site is located in a mixed-use area of Salem, New Hampshire with commercial and industrial developments to the east and northeast along South Broadway and to the south along Garabedian Drive. Residential development is located to the west and north of the Site, across the Spicket River. Surrounding properties are served by municipal water and sewer service. A recreational trail abuts to the Site to the east.

2.3 FORMER SITE USES AND RELEASE HISTORY

The Town constructed the WWTF at the Site in 1964. Prior to that time, the Site appears to have been used for agricultural purposes. Expansions of the WWTF were completed in 1972 and 1973 with the addition of filters and digesters. The WWTF structures were demolished between 2017 and 2019 by the Town and formerly included:

- the WWTF Building;
- the Control Building;
- two concrete trickling filters;
- two settling tanks;
- a former 200-gallon petroleum underground storage tank (UST);
- four concrete-bermed sludge drying beds; and
- piping and access structures.

The WWTF operated until 1986, when the sewer connector was constructed to connect the Town sewer system to the Greater Lawrence Sanitary District. The locations of the former WWTF

structures are shown on Figures 2A to C, and a detailed plan of the former structures is provided in the PDI Work Plan in Appendix B.[5]

Reportedly, the WWTF treated approximately 2 million gallons per day of both domestic and industrial wastewater. Treated wastewater was discharged to the Spicket River. Occasionally, industrial wastewater received at the facility would destroy the microorganisms used for biological treatment, and the resulting impacted sludge would be placed in sludge pits located south of the WWTF structures. Reportedly, this practice occurred during the first five to ten years of the WWTF operations and may have resulted in chlorinated volatile organic compound (CVOC) releases to the subsurface. Septic haulers were also suspected to have occasionally illicitly directly-discharged materials to the pits, which were previously accessible via an unimproved road onto the Site from Garabedian Drive (this entrance has since been gated and fenced off). The illicit discharges may also have contributed to CVOCs being released to the subsurface. By 1986, all but one of the pits had been covered with fill. Following cessation of WWTF operations, septic haulers reportedly discharged directly into the sewer main through a manhole in the southern portion of the Site.

Based upon observations of historical aerial photographs from 1962 to 1986[6], a feature that appears to be an open channel of water is visible on photographs from 1962 (prior to construction of the WWTF) and 1966 (following construction of the WWTF). Remnants of the channel appear in photographs from 1974 and 1988, in the vicinity of the last sludge disposal pit. The approximate location of the former open channel is shown on Figures 2A to C.

During excavation for the sewer connector line at the Site in 1986, impacted soil and groundwater were encountered. According to a summary of a March 1986 notification report to NHDES, a strong chemical odor, dark gray soils, and groundwater with brown foam were observed during excavation. GZA's 1989 Phase II Hydrogeologic Report indicates that workers

[5] See *Appendix A: Excerpts of Documents for Reference to Historic Features* in the PDI Work Plan provided in Appendix B of this report.
[6] See *Appendix A: Excerpts of Documents for Reference to Historic Features* in the PDI Work Plan provided in Appendix B of this report.

encountered what appeared to be deposits of black sludge and reportedly experienced nausea. Stained soil was observed at a depth of 5 to 6 feet below ground surface (bgs) in the 16- to 18-foot deep excavation, and three impacted locations were reportedly encountered. During construction, impacted soils were excavated and stockpiled in areas, one north of the former open channel (northern former soil pile) and the other west of the sewer line (southern former soil pile), as indicated on Figures 2A to C. The soil piles remained at the surface until at least 1996, when they were sampled, and analytical results at that time did not indicate VOCs greater than applicable standards.

Following discovery of the impacted soils, numerous investigations were completed, as described in more detail below. The primary release appears to have been CVOCs; however, petroleum-related constituents have also been observed in soil and groundwater near source areas, and polychlorinated biphenyls (PCBs) were detected in groundwater in one sample during one event in 2017 near the former WWTF building (PCBs were not detected above laboratory reporting limits in groundwater samples from 2018, 2019, and 2020). Most recently, per- and polyfluoroalkyl substances (PFAS) were detected in Site groundwater at concentrations greater than Ambient Groundwater Quality Standards (AGQSs). The nature and extents of PFAS and PCBs in groundwater will be discussed as part of the upcoming GMP Renewal Application and are not discussed further in this report.

2.4 SUMMARY OF PREVIOUS INVESTIGATIONS AND REMEDIAL ACTIVITIES

The Town hired GZA in 1987 to investigate the nature and extent of the soil and groundwater impacts encountered during the sewer connector line construction. Numerous hydrogeologic investigations ensued over the next 30 years to characterize the CVOCs and petroleum hydrocarbon source areas, identify and evaluate potential impacts and risks to environmental receptors, and provide the basis for selecting remedial alternatives for the Site. A detailed summary of these investigations can be found in Woodard & Curran's 2019 Periodic Summary Report, which is excerpted in Appendix C of this report. Key data from these investigations are also provided in tables in Appendix C.

Initially, GZA concluded that constituents of concern (COCs) were residual concentrations and primarily dissolved in groundwater. As such, enhanced bioremediation was selected in the 1997 RAP[7] as the most appropriate technology to remediate the Site. Between 1997 and 2005, GZA implemented enhanced reductive dichlorination (ERD) technology by injecting a cumulative total of approximately 3.4 million gallons of a liquid mixture comprised of lactose and Brewer's yeast into Site monitoring wells and into two approximately 250-foot long shallow infiltration trench systems.

Subsequent investigations in areas upgradient from the bioremediation areas identified unaddressed source areas and included the observation of dense non-aqueous phase liquid (DNAPL) in test well GZ-TW-1L during its installation in 2014[8] as part of a Zero Valent Iron (ZVI) pilot study. The 2015 RAP Addendum recommended full-scale ZVI/ERD to address CVOCs in the upper hydrogeologic unit, but the remedy was not implemented. Subsequent to the observation of DNAPL, GZA completed a high-resolution investigation of potential source areas that included completion of 51 borings using a Membrane Interface Probe (MIP) in November 2015 and collection of soil samples for laboratory analysis from 10 of the MIP locations in June 2016. The results of the MIP investigation are provided in GZA's May 2017 Periodic Summary Report, and analytical results are tabulated in Appendix C.

In 1993, NHDES issued a GMP to manage impacted groundwater at the Site. The current permit (# GWP-198405033-S-05) requires sampling in June and November of each year, with submittal of Periodic Summary Reports in 2017 and 2019. These reports were submitted by GZA and Woodard & Curran, respectively. The current permit expires on October 19, 2020, and a renewal application was submitted to NHDES on October 19, 2020.

2.5 SITE GEOLOGY

The Site is underlain by sediments primarily within four distinct stratigraphic units:

[7] *Remedial Action Plan*, prepared by GZA, dated April 25, 1997
[8] *Remedial Action Plan Addendum*, prepared by GZA, dated August 20, 2015

- **Upper Sand Unit (USU):** Laterally continuous alluvial fine sand, with varying amounts of silt, from surface grade to approximately 20 to 25 feet bgs;

- **Silty Clay Unit (SCU):** Laterally discontinuous glaciolacustrine silt and clay, with occasional interbedded fine sand, from approximately 20 to 25 feet bgs to 30 to 35 feet bgs;

- **Lower Sand Unit (LSU):** Glaciofluvial sand to sand and gravel[9], from approximately 30 to 35 feet bgs to 45 to 50 feet bgs; and

- **Till Unit:** Fine-to coarse sand with varying amounts of silt and gravel to silty-clay from 45 to 50 feet bgs to the bedrock surface at approximately 50 to 60 feet bgs.

Bedrock mapping for the Site area indicates that the Site is underlain by the Berwick Formation of the Merrimack Group, and consists of a quartz-biotite-feldspar granofels or schist. Bedrock observed in previous explorations at the Site is consistent with this formation.

In the 2017 Periodic Summary Report, GZA described a generally northwest-trending trough in the top of the bedrock surface and till unit that appeared to extend south of the former sludge drying beds towards the river. A similar feature is present in the top of the LSU, but appears to be centered southeast of the former sludge drying beds. GZA noted that in general, the glaciolacustrine SCU was not present in the bedrock/till surface trough.

In addition, fill material was described in previous reports as having been placed in the northern portion of the Site, presumably as part of construction of the former WWTF. Borings completed as part of the PDI also noted fill materials, including asphalt and crushed concrete in some of the borings near the southern former soil pile, and plastic pieces, hair, and coal in some of the borings completed in/near the former open channel.

[9] Note, these deposits were described as sandy glacial till and sand and gravel deposits in reports by GZA prepared prior to 2015.

2.6 SITE HYDROGEOLOGY

Of significance is the presence of the low permeability glaciolacustrine SCU (aquitard) that divides an upper aquifer in the USU (upper hydrogeologic unit) and a lower aquifer in the underlying LSU and till (collectively, the lower hydrogeologic unit). Although groundwater likely moves from the upper aquifer to the lower aquifer through the SCU, it occurs at a very slow rate. The SCU is laterally discontinuous across the Site, as indicated above. In general, monitoring wells designated with a "U" are screened in the upper hydrogeologic unit, while those designated with a "L" are screened in the lower unit, although there are exceptions to this nomenclature. Specifically, "L" denotes screening in the lower part of the upper hydrogeologic unit at several monitoring well locations.

Hydraulic properties presented by GZA in the 2017 Periodic Summary Report are provided in the table below. These values are reportedly based upon hydraulic testing of individual wells, published values, and numerical simulations of groundwater flow.

Unit	PARAMETER					
	Tested or Published Horizontal Hydraulic Conductivity (cm/sec)	Model Horizontal Hydraulic Conductivity (ft/day) /(cm/sec)	Vertical Anisotropy	Vertical Hydraulic Conductivity (ft/day)/(cm/sec)	Effective Porosity	Specific Yield
Bedrock	10^{-2} – 10^{-6} (2)	0.2/7.1x10^{-5}	1	0.2/7.1x10^{-5}	0.05	0.05
Glacial Till	4.1x10-4 (1; one value, GZ-202L)	3.0/1.1x10^{-3}	3	1.0/3.5x10^{-4}	0.20	0.15
Glaciofluvial Sand	4.9x10^{-3} – 3.4x10^{-4} (1)	8.5/3.0x10^{-3}	5	1.7/6.0x10^{-4}	0.25	0.20
Glaciofluvial Gravel	1 – 10^{-1} (2)	200/7.1x1^{-2}	1	200/7.1x1^{-2}	0.30	0.25
Glaciolacustrine	10^{-4} – 10^{-10} (2)	0.22/7.8x10^{-5}	10	0.022/7.8x10^{-6}	0.30	0.15
Alluvium	5.6 x10^{-3}–4.8x10^{-5} (1)	5.0/1.7x10^{-3}	10	0.5/1.8x10^{-4}	0.25	0.20

Notes:
1. "ft/yr" indicates feet per year; "cm/sec" indicates centimeters per second.
2. In the second column, (1) indicates site value for unit; and (2) indicates published value for material type.

Groundwater flow direction in the upper hydrogeologic unit reportedly changes based upon the river level and the amount of precipitation, but groundwater flow is generally towards the river. In addition, groundwater flow in this unit could potentially be influenced by the sewer line and well sorted, coarser grained bedding material around the pipe. Groundwater flow direction in the lower unit is reportedly more consistent, generally towards the river. GeoInsight notes some inconsistencies with the groundwater elevation contours generated from data collected in 2019

compared to previous monitoring events, as described more below. Groundwater elevation contours for both the upper and lower hydrogeologic units for the 2019 monitoring rounds are provided on Figure 3.

Based upon GZA's previous surface water and sediment pore water sampling activities near the GZ-900 series wells in the northwest of the Site and measured upward vertical hydraulic gradients in well couplets near the river (see Section 4.1), overburden Site groundwater discharges to the Spicket River.

Two bedrock monitoring wells are located at the Site: GZ-1B, which is located near the northeast property boundary near the SARL Drive entrance; and GZ-3B, which is located between the southern former soil pile and the Spicket River. GZA previously reported that shallow bedrock groundwater flow information in the Site vicinity is limited and that regional groundwater flow in shallow bedrock via fracture flow is anticipated to be towards the south to southeast. Groundwater elevation data for GZ-3L / GZ-3B indicate an upward vertical gradient in this area of the Site, while the limited data for GZ-1B / GZ-1L (from one round in 2016), indicate a slight downward gradient.

2.7 SENSITIVE RECEPTORS

As indicated above, the Spicket River forms the northern and western boundaries of the Site. Sediment pore water sampling was completed by GZA[10]. From GZA's evaluation, one or more CVOCs including, tetrachloroethene (PCE), trichloroethene (TCE), cis- and trans-1,2-dichloroethene (DCE), 1,1-dichloroethane (DCA), 1,1-DCE, vinyl chloride (VC), 1,1,1-trichloroethane (TCA), chloroethane, and chloroform were detected in the sediment pore water samples collected from four of the six stations, of which three locations exceeded at least one AGQS, but all were at concentrations below Water Quality Criteria for Toxic Substances (WQCTS), Fresh Chronic Criteria. GZA concluded that the results are consistent with a discharge of CVOCs from Site groundwater to the Spicket River. However, surface water

[10] *Periodic Summary Report – 2015 and 2016*, prepared by GZA, dated May 3, 2017

samples collected from the Spicket River under the GMP-required sampling in November of each year have had low-level to non-detectable levels of CVOCs since sampling began in 2010.

The residential properties located near the Site are serviced by municipal water and sewer. A vapor intrusion study completed by GZA concluded that the data collected did not indicate potential for vapor migration to buildings on residential properties west of the Spicket River[11]. Because VOCs have been periodically detected in groundwater at concentrations greater than NHDES' GW-2 Groundwater to Indoor Air Screening values in the northern portion of the Site, NHDES requires ongoing sampling of monitoring wells in this area (GZ-9U and MW-6). GZA's evaluation indicated that the on-Site Salem Animal Rescue League operations are not currently at risk from a vapor intrusion perspective.

[11] *Off-Site Vapor Intrusion Study and GMZ Evaluation*, prepared by GZA, dated February 24, 2015

3.0 SUMMARY OF PDI ACTIVITIES

Previous remedial activities completed at the Site have targeted areas downgradient from and near potential source areas and were technologies better suited for dissolved-phase impacts. Additional remedial measures are needed to address the continued presence of elevated levels of CVOCs in Site soil and groundwater, as well as the source-soil containing residual CVOC concentrations suggesting possible or probable DNAPL and the larger area containing Soil Remediation Standard (SRS) exceedances. The PDI was completed to collect additional data to facilitate selection of applicable remediation technologies for the Site. PDI activities, which were completed by Woodard & Curran, are summarized in the Sections below.

3.1 INVESTIGATION OBJECTIVES

The primary objectives of the PDI were to: 1) evaluate soil and groundwater quality in the vicinity of potential source areas to further define the extents of impact; and 2) collect data to evaluate remedial alternatives.

To facilitate data evaluation and refinement of the Conceptual Site Model (CSM), Woodard & Curran divided the Site into sub-areas, or Areas of Investigation (AOIs), to be targeted during the PDI. Woodard & Curran developed the AOIs considering Site history, investigation activities, and groundwater flow directions. AOIs are summarized in the table below and shown on Figures 2A to C.

Table A – Summary of AOIs

AOI #	Name / Description	Potential Source (s)	Rational for Investigation as Part of PDI
1	Former WWTF Area	• Former trickling filters • Former 200-gallon UST • Former sludge drying beds • Existing sewer line • Former treatment plant outfall	• Investigate potential sources • Evaluate potential for preferential migration through utility corridor

AOI #	Name / Description	Potential Source (s)	Rational for Investigation as Part of PDI
2	DNAPL Area	• Former sludge pits • Former northern soil pile • DNAPL Area • Former open channel • Existing sewer line	• Investigate potential sources • Evaluate extent of impacts and presence of DNAPL • Collect additional data for eastern portion of AOI (limited soil data available) • Evaluate potential for preferential migration through utility corridor
3	Other Potential Source Areas	• Former sludge pit • Former open channel • Former southern soil pile • Existing sewer line	• Evaluate potential sources • Evaluate potential for preferential migration through utility corridor
4	Undeveloped Upland Area	N/A	• Limited existing data available for this area
5	Wetland and River Area	• Treatment plant outfall	• Evaluate outfall as potential source • Additional characterization of extent of impacts in wetland
6	Upgradient Area	N/A	• Groundwater sampling of wells not typically sampled under GMP
7	Downgradient Area (outside of Groundwater Management Zone)	N/A	• Replacement of monitoring wells GZ-10U and GZ-10L

3.2 PDI ACTIVITIES COMPLETED BY WOODARD & CURRAN

Field activities were completed by Woodard & Curran and their subcontractors in June, July, August, and November 2019. GeoInsight's understanding is that the field work was generally completed in accordance with the PDI Work Plan, a copy of which is provided in Appendix B.

GeoInsight was provided with boring logs, analytical laboratory data reports, and limited field notes from the PDI, and has prepared the summary below based upon the information received. Woodard & Curran's field documentation is provided in Appendix D, and analytical laboratory data reports not provided in previous data transmittals are provided in Appendix E.

3.2.1 Soil Stockpile Sampling

Samples were collected from the current soil pile staged near the former WWTF structures to characterize the soil in anticipation of its re-use on-Site, specifically as backfill for the former WWTF subgrade structure. Woodard & Curran collected a total of four composite samples from the stockpile for laboratory analysis of total metals, total petroleum hydrocarbons, pesticides, PCBs, herbicides, CVOCs, and semi-VOCs (SVOCs), pH, total solids, ignitability, cyanide, and sulfide. Sample results are provided in Table 1, and photographs of the soil stockpile are provided in Appendix D. The analytical data indicates a suite of PAHs and metals commonly associated with asphalt, which is consistent with the observed presence of asphalt fragments in the stockpile. The data from the stockpile sampling, conclusions regarding impacts resulting from asphalt in the soil, and proposal for the planned reuse of the soil will be provided to NHDES in a separate submittal prior to the reuse of the soil.

3.2.2 Soil Borings and Soil Sampling

Soil borings were completed at 80 locations in AOIs #1 through #5, with most of the borings completed in AOIs #2 and #3 (designated as SB19-01 through SB-19-78, SB-68R, and SB19-UST). Borings were completed to depths ranging from 12 to 54 feet bgs using a Geoprobe® and/or spilt spoon sampler and drive and wash techniques, as indicated on the boring logs provided in Appendix D.

In addition, eight soil borings were completed using hand auger techniques along the former WWTF outfall and in the wetland area to the west of the former sludge drying beds (designated HSB-19-1 to HSB-19-8). Hand-auger borings were completed to depths of 4 to 7 feet bgs, and logs are provided in Appendix D.

The locations of the soil borings completed as part of the PDI are provided on Figure 2B. The surveyor's report for the soil borings and monitoring well locations (discussed below) is provided in Appendix D. Locations and elevations for the soil borings and monitoring wells installed during the PDI, as well as other monitoring wells previously installed at the Site, were surveyed relative to a New Hampshire State Plan Coordinate System of North American Datum (NAD 83) and the North American Vertical Datum (NAVD 88); previous surveys had been completed relative to an Site-specific datum.

A total of 116 soil samples, including duplicate samples for quality assurance / quality control (QA/QC) purposes, were collected from the soil borings for laboratory analysis. Five of the samples were collected from the LSU, 16 of the samples were collected from the SCU, and the remaining samples were collected from the USU. Most of the samples were submitted for analysis of CVOCs, and a small subset of these samples were also submitted for analysis of Gasoline Range Organics (GRO) and Diesel Range Organics (DRO); the remaining samples were submitted for analysis of total organic carbon (TOC) and grain size. Soil analytical results from the boring locations are provided in Table 2, and analytical laboratory data reports are provided in Appendix E.

3.2.3 Monitoring Well Installation

As part of the PDI, monitoring wells were re-installed at GZ-10LR and GZ-10UR, which were previously destroyed. Thirteen additional monitoring wells were also installed as part of the PDI in AOI #1 through #5, at locations where soil borings were also completed (see description above). Monitoring wells were installed in both the upper hydrogeologic unit (designated as MW19-01U to MW19-05U and UW19-01U to UW19-06U) and the lower hydrogeologic unit (designated as MW19-02L and MW19-06L). Based upon GeoInsight's review of the monitoring well construction logs provided in Appendix D.2, two of the upper hydrogeologic unit monitoring wells appear to be at least partially installed in the SCU that separates the upper and lower hydrogeologic units (MW19-03U MW19-04U). Monitoring well construction details for

the wells installed as part of the PDI, as well as select monitoring wells previously installed at the Site, are provided in Table 3.

In addition, three 1-inch diameter piezometers were installed in the wetland areas in AOI #5 and designated as PZ-19-2, PZ-19-6, and PZ-19-7. Information about the installation of these piezometers is provided in Appendix D.

3.2.4 Groundwater Gauging and Sampling

Groundwater monitoring was conducted in June and November 2019 by Woodard & Curran in accordance with the requirements of the GMP. These monitoring events also included sample collection at three surface water locations (SW-1, SW-2, and SG-902) during the November 2019 round, as required by the GMP. Samples were collected from 27 and 38 locations for the June and November 2019 rounds, respectively. Samples were submitted for laboratory analysis of VOCs, low-level 1,4-dioxane, and/or or PCBs, as required under the GMP. In addition, samples were also collected from 18 wells in June and July 2019 for analysis of PFAS. Analytical laboratory data reports for these sample rounds were provided in previous data transmittals to NHDES[12]. Field documentation for these monitoring rounds is provided in Appendix D.

Woodard & Curran completed a supplemental monitoring round in August 2019 of monitoring wells installed as part of the PDI, as well as select monitoring wells not routinely sampled as part of the GMP, for a total of 41 wells. Analytical laboratory data reports are provided in Appendix E. Woodard & Curran's field documentation for the monitoring rounds is provided in Appendix D.

Water level measurements and corresponding groundwater elevations for the three monitoring rounds are provided in Table 4, and analytical results from the groundwater and surface water

[12] *Results from November 2019 Water Quality Program Monitoring*, prepared by Woodard and Curran, dated December 31, 2019 and *Results from June 2019 Water Quality Program Monitoring*, prepared by Woodard and Curran, dated August 16, 2019.

samples collected in 2019 and recent monitoring rounds are provided in Tables 5 and 6, respectively. GeoInsight completed the June 2020 GMP monitoring event and the data was provided in a GMP data transmittal, submitted to the NHDES on August 8, 2020. The June 2020 data will be further summarized in the forthcoming GMP Renewal Report and again (along with the November 2020 GMP data) in a 2021 Periodic Summary Report.

4.0 FINDINGS AND DISCUSSION

GeoInsight reviewed the data from the PDI activities in conjunction with data collected during previous Site investigations. GeoInsight's findings regarding the nature and extent of impacts in the various Site media, and an updated CSM are presented in the Sections below. The AOIs designated by Woodard & Curran are retained for this discussion to the extent that they help focus and guide GeoInsight's recommendations for areas to be addressed through additional remedial actions.

4.1 GROUNDWATER FLOW

Groundwater flow across the Site is generally towards the Spicket River. In June and November 2019 (Figure 3), groundwater in the upper hydrogeologic unit in the southern portion of the property flowed to the southwest to west towards the Spicket River, and groundwater in north part of the Site generally flowed to the west towards the Spicket River. A localized area of flow from the river back towards the Site was noted near monitoring well GZ-901U during the June 2019 event and appears to be inconsistent with previous monitoring events at the Site. In June 2019, a water table high area was present near wells GZ-2 to GZ-609U. In November 2019, the water table was highest near well GZ-802US and lowest at GZ-2, with a second localized high near GZ-9U. Groundwater flow in the lower hydrogeologic unit was generally towards the north and west towards the Spicket River; however, a localized area of flow towards the northeast was noted in the northeastern part of the Site during the 2019 monitoring events, also inconsistent with previous monitoring rounds.

Vertical gradients vary across the Site. Of note, vertical gradients in the main source area in AOI #2 are generally downward (see GZ-609U/L), from the upper hydrogeologic unit to the lower hydrogeologic unit. Vertical gradients in more downgradient areas are generally upward (see GZ-902L/M, GZ-1S/D, GZ-404U/L). However, a downward gradient was noted in the couplet at GZ-901 for the June 2019 monitoring round, which is inconsistent with previous monitoring rounds.

The difference in the 2019 groundwater flow directions could potentially be due to an error in the elevation survey, which was completed in 2019 as part of the PDI activities, or that groundwater level measurements were not recorded simultaneously, but over the course of several days of sampling. GeoInsight will continue to evaluate groundwater flow conditions as part of upcoming GMP monitoring events and will gauge GMP wells within the same day during each event.

4.2 NATURE AND EXTENT OF VOC IMPACTS

4.2.1 Groundwater and Surface Water

Analytical results from the groundwater and surface water samples collected in 2019 and recent monitoring rounds are provided in Tables 5 and 6, respectively. Additional historical analytical results for groundwater and surface water are provided in Appendix C.

The primary COCs in Site groundwater are CVOCs, including PCE, TCE, cis-and trans-1,2-DCE, and VC, which were detected in both upper and lower hydrogeologic unit groundwater at concentrations exceeding their respective AGQSs.

The extents of AGQS exceedances of TCE and cis-1,2-DCE in upper and lower hydrogeologic unit groundwater are presented on Figures 4A, B, C, and D. The extent of TCE in groundwater is widespread across the Site, with concentrations higher near source areas (as described below), and exceedances extending into downgradient areas near the Spicket River. In addition, the extent of cis-1,2-DCE (and VC) is more widespread than that of TCE in both units (see Section 4.4, Updated CSM, for an explanation of the difference in extents of TCE versus cis-1,2-DCE and VC).

In addition, several petroleum-related and other VOCs were detected at concentrations greater than their respective AGQSs, including 1,4-dioxane, benzene, ethylbenzene, methyl tert-butyl ether (MtBE), tert-butyl alcohol (TBA), and toluene. In general, these constituents were detected proximate to the source areas, with the exceptions of 1,4-dioxane, MtBE, and TBA, which were

detected in downgradient areas in the southern and western portions of the Site. A more detailed discussion of groundwater concentrations is provided below in the summary for each AOI.

During the November 2019 monitoring round, TCE was detected at concentration less than its WQCTS in the sample collected from surface water sampling location SG-902, in the northern part of the Site, near the GZ-902 well series; cis-1,2-DCE was also detected at this location. TCE was detected at a concentration less than its WQCTS in the sample from SW-1, and cis-1,2-DCE was at a low-level in the sample collected from location SW-2. These data are generally consistent with previous surface water sampling events at these locations.

4.2.2 Soil

Analytical results for soil samples collected during the PDI are provided in Table 2, and soil analytical results from previous investigations completed at the Site are provided in Appendix C.

CVOCs, including PCE, TCE, cis-1,2-DCE, and VC, were detected in soil at concentrations greater than their respective SRSs in samples collected as part of the PDI. In addition, several other CVOCs were detected at concentrations greater their respective SRSs, including methylene chloride, naphthalene, 1,2-dichlorobenzene, 1,4-dichlorobenzene, and toluene. Benzene was also detected above its SRS in several samples collected during the MIP investigation.

SRS exceedances were detected in samples collected above and below the water table. The extent of SRS exceedances for TCE are shown on Figure 5 by depth, from 0 to 7 feet bgs (generally above the seasonal water table), 7 to 15 feet bgs, greater than 15 feet bgs within the upper hydrogeologic unit, and within the SCU. Data collected from previous investigations was used to evaluate the extent of exceedances shown on the Figure. In general, the extent of TCE exceedances in soil is most widespread in the 7 to 15 feet bgs interval, below the water table.

A more detailed discussion of soil concentrations is provided below in the summary for each AOI.

4.2.3 Estimated Pore Water Concentrations

During field work in 2014, GZA observed DNAPL at well GZ-TW-1L, which is screened in the upper hydrogeologic unit in the primary source area. GZA observed DNAPL at this location on several occasions in 2014 and 2015 at thicknesses ranging from 0.04 to 0.25 feet. DNAPL was reportedly not observed at this location after this time.

According to the United States Environmental Protection Agency (USEPA) 1992 publication[13] titled "Estimating Potential Occurrence of DNAPL at Superfund Sites," DNAPL is potentially present at sites where dissolved concentrations of a DNAPL-related chemical in groundwater is greater than 1 percent of the chemical's pure phase solubility limit. To ascertain the distribution of potential DNAPL-impacted soils at the Site, dissolved phase or "pore water" concentrations of TCE were calculated from analytical laboratory results for soil samples and compared to the pure phase solubility limit of TCE (1,075 milligrams per liter [mg/L][14]). Data for soil samples collected during the PDI and prior investigations at the Site were used for this calculation along with estimated representative values for soil bulk density and soil organic carbon data from analytical testing.

The pore water concentration calculation, presented by Cohan and Mercer, was developed by Ross and Newall and was based upon relationships developed by Feenstra and Cherry[15]. The relationships assume that if DNAPL is not visually observed at a given location (i.e., present in separate-phase in soil pores), then CVOCs present must be dissolved in the groundwater phase and DNAPL must be adsorbed onto soil. If pore water concentrations calculated from soil data

[13] Ross, Randall R. and Newell, C.J., 1992. Estimating Potential for Occurrence of DNAPL at Superfund Sites. USEPA Publication 9355.4-07FS.

[14] 1,075 mg/L is the average of TCE pure phase solubility in water from: Chemical Properties Handbook, Yaws, 1999; Groundwater Chemicals Desk Reference, Montgomery, 2000; DNAPL Site Evaluation, Cohen & Mercer, 1993.

[15] Feenstra, S. and Cherry, J.A., 1988. Subsurface Contamination by Dense Non-aqueous Phase Liquid (DNAPL) Chemicals. In *Proceedings*: International Ground water Symposium, International Association of Hydrogeologists, May 1-4, 1988, Halifax, Nova Scotia, pp. 62-69.

are greater than the effective solubility of a constituent of interest, then the presence of DNAPL is indicated. Pore water concentrations were calculated using the equation:

$$C_w = (C_t * B_d) / (K_d * B_d + n_w)$$

where:

C_w = calculated pore water concentration;

C_t = concentration of VOCs in soil (in this case, taken from TCE concentrations measured in soil samples completed during the PDI and previous Site investigations and summarized in Table 7);

B_d = bulk density for all units = 1.5 grams per cubic centimeter (in this case, taken from a mean of literature values in Bowles 1982);

n_w = water-filled porosity = 0.35 (obtained from literature values, including Fetter 1994); and

K_d = sorption partitioning coefficient calculated using the following equation (Fetter 1999).

$$K_d = K_{oc} * F_{oc}$$

where:

K_{oc} = organic carbon partitioning coefficient for TCE = 129 L/kg (from the same three sources cited for the TCE solubility limit); and

F_{oc} = fraction of organic carbon from TOC analytical data (Table 7). The carbon mass associated with the VOCs was assumed to be negligible.

Calculated pore water concentrations, summarized in Table 7, indicate that pore water concentrations were highest in samples collected from MIP-4, MIP-35, and MIP-50, which were collected in the USU with calculated TCE porewater concentrations that were between 900 and 13,000 percent of the TCE solubility (Table 7). It should be noted that relatively small changes in certain variables in the calculation, particularly porosity, resulted in relatively large changes in calculated pore water concentrations; however, one value (0.35) for porosity was used for pore water solubility calculations to reduce bias from that parameter. For these reasons, calculated pore water concentrations were used in this evaluation as a screening tool.

Calculated TCE concentrations in pore water varied from less than 1 percent to greater than 12,000 percent of the estimated pure-phase solubility of TCE (1,075 mg/L). Concentrations greater than 10 percent of the pure phase solubility limit are considered source indicator concentrations for the purposes of this evaluation. Soils containing TCE at concentrations above these indicator concentrations are considered potential source area soils, which are likely to contribute to dissolved TCE concentrations in groundwater. The lateral extent of TCE detected in saturated soils at concentrations greater than the 10 percent solubility limit are provided on Figure 5 and individual boring/soil sample locations are denoted on the same plan as >100% of the solubility (DNAPL "definite"); 50 to 100% of the solubility (DNAPL "probable"); and 10 to 50% of the solubility (DNAPL "possible").

4.2.4 DNAPL/Source-Soil and SRS Exceedance Areas and Soil Volumes

The total estimated volume of DNAPL-impacted soil, as indicated by pore water concentrations above 10% of TCE solubility provided on Figure 5, is provided below together with estimated areas of SRS exceedances

Soil Depth	**0-7'**	**7-15'**	**>15'-25'**
Estimated volume of soil with TCE SRS exceedance (ft^3 | cubic yards [CY])	69,000 | 2,600	225,000 | 8,400 *	197,000 | 7,300*
Estimated volume of soil with 10% TCE solubility (ft^3 | CY)	Not Applicable	43,000 | 1,600	6,500 | 250

*the SRS volume estimates also include the smaller sub-areas of TCE >10% of the solubility volumes

GeoInsight will prepare additional soil impact plans and cross-sections, which will present the estimated limits of DNAPL-source soil using iso-contours for the porewater concentration categories (>100%, 50 to 100%, and 10 to 50% of the solubility of TCE) and TCE soil sample analytical data concentrations for presentation in the forthcoming remedial bid specifications and remedial design plans. The limits of TCE SRS exceedances and the limits of pore water with calculated TCE concentrations >10% of the solubility presented on Figures 5, 6A, and 6B and

the soil volume estimates presented in the preceding table were sufficient for the purposes of remedial technology screening summarized later in this report.

4.3 KEY FINDINGS BY AOI

A summary of key findings from the PDI for each of the AOIs is provided below.

AOI #1: Former WWTF Area

Key Observations

- **Based upon a review of data collected from the PDI and from previous investigations, significant sources of VOCs have not been identified relative to the former WWTF structures.**
    - VOCs were detected at low levels, if at all, in soil samples collected during the PDI from the vicinity of the WWTF structures. In addition, observations of impacts were not noted in boring logs from the PDI (e.g., elevated PID readings, visual or olfactory observations) in this area.
    - Petroleum-related constituents were not detected in soil samples collected from the vicinity of the former UST located adjacent to the former WWTF, although we note that these samples were collected from below the water table.
    - Limited soil data were collected from this AOI previously, but included an exceedance of cis-1,2-DCE in a soil sample collected from 7 to 9 feet bgs from SB-4, which was completed in one of the former sludge beds during a 2002 investigation, and attributed to migration in groundwater from upgradient sources by previous consultants.
    - Elevated photoionization detector (PID) readings and observations of odors are noted on the boring log for well GZ-616U at depths from 10 to 22 feet bgs, suggestive of impacts below the water table. Samples were not collected from this location for laboratory analysis. Elevated PID readings and odors were not noted on boring logs for wells GZ-620U and GZ-202L, located northwest and northeast of GZ-616U, suggesting that the impact at GZ-616U is not extensive and is present only below the water table, and most likely the result of migration from upgradient sources, as discussed below.

- **VOC groundwater impacts in this AOI are most likely the result of migration from upgradient sources in AOIs #2 and #3.**
    - The extents of impacts in the upper hydrogeologic unit of AOC #1 appear more limited to the area immediately downgradient from AOI #2, with more widespread detections in the samples collected from lower hydrogeologic unit wells.
    - CVOCs were detected at high levels, greater than AGQSs, in the upper hydrogeologic unit groundwater at the upgradient edge of AOI #1 at GZ-616U,

where TCE was detected at a concentration of 28,000 micrograms per liter (µg/L) and cis,1-2-DCE was detected at 5,200 µg/L. This well is not routinely sampled under the GMP. Well GZ-9U, located to the northwest of the former sludge drying beds, has had periodic detections and exceedances of AGQS for VC.
    - Lower unit wells GZ-9L, GZ-201L, GZ-202L, and GZ-203L had exceedances of TCE, cis-1,2-DCE, and VC.

GeoInsight Recommendations

- Active remediation is not warranted at this time based upon these results. Natural attenuation of the dissolved phase impacts in AOI #1 is anticipated to occur following remediation in other AOIs.
- Continue to monitor groundwater quality through ongoing sampling of select wells in this AOI.

AOI #2: DNAPL Source Area

Key Observations

- **Data from the PDI and previous investigations suggests a residual source mass of VOCs in AOIs # 2 and #3, which appear to correspond to the locations of the former open channel, former sludge pits, and northern former soil pile.**
    - In addition to the historical observation of DNAPL at GZ-TW-1L, TCE soil concentrations at several locations are suggestive of the presence of DNAPL, as shown on the TCE distribution in soil figure provided as Figure 5, and on the cross-sections provided as Figures 6A and 6B.
    - The highest concentrations of TCE were detected in samples collected during the previously completed MIP investigation and included detections of 2,230 milligrams per kilogram (mg/kg), 5,570 mg/kg, and 31,200 mg/kg in samples from MIP-50, MIP-4, and MIP-35, respectively. Samples collected during the PDI had TCE concentrations as high as 150 mg/kg (boring SB19-64).
    - Multiple CVOCs were detected at concentrations greater than SRSs, including PCE, TCE, cis,1-2-DCE, and VC.
    - Other VOCs were detected in soil, including benzene and toluene, which were detected at concentrations greater than their respective SRSs in borings completed during the PDI and MIP investigations. The co-occurrence with exceedances of TCE suggests these constituents originated from the same source, rather than a separate source.
    - The highest soil concentrations are present in the area at the northern end of the former open channel / sludge pit and northern former soil pile, suggesting the primary source(s) are located in this area. TCE impacts then continue to the south along approximately half of the length of the former open channel in shallow soil above the water table. High levels of TCE in soil in the former channel generally correspond to the observance of a peat-like, organic layer, as shown on the cross-sections provided as Figures 6A and 6B. TCE impacts also extend to the north,

below the water table, and appear to extend slightly into AOI #1 in soils below the water table. In the main source area near GZ-TW-1L/GZ-802U/D/MIP-4, impacts are more laterally connected, and moving north, impacts appear to be present in several apparently isolated masses, as shown on the cross-section lines B-B' and C-C' on Figure 6B. We note that other constituents, including cis-1,2-DCE and VC were also detected at concentrations greater than SRSs in these areas.

- **Groundwater in both the upper and lower hydrogeologic units is highly impacted, with higher concentrations in the upper hydrogeologic unit.**
    - TCE was detected in groundwater at concentrations up to 200,000 µg/L in the sample collected from GZ-TW-1L, which is screened in the lower part of the upper hydrogeologic unit, despite its nomenclature.
    - Other CVOCs, including PCE, cis-1,2-DCE, TCA, and VC, as well as other VOCs, including naphthalene, MtBE, 1,-4-dioxane, toluene, and benzene were detected in groundwater at concentrations exceeding their respective AGQS.
    - In general, TCE concentrations in lower unit groundwater are an order of magnitude lower than those detected in the upper unit.

GeoInsight Conclusions and Recommendations

- Historical features (i.e., northern former soil pile and sludge pits) in this area appear to be primary source areas for the CVOC impacts observed across the Site in downgradient areas. Active remediation is warranted, as discussed in more detail below.

AOI #3: DNAPL Source Area

- **Data from the PDI suggests that the former open channel is a source of shallow soil impacts.**
    - Exceedances of the SRS for TCE in shallow soil extend approximately halfway along the length of the former channel, as depicted on cross-section A-A' shown on Figure 6A.
    - Soil with calculated pore water concentrations greater than 10 percent of the solubility of DNAPL extends to the west of the former channel in some areas, suggesting the possible presence of DNAPL in these areas depicted on Figure 5.
    - The southern former soil pile does not appear to be an ongoing source of TCE impacts. Although, cis-1,2-DCE and VC were detected above SRSs in soil samples collected at depth in the vicinity of this former pile.

- **VOC concentrations in groundwater in AOI #3 are lower than those detected in groundwater in AOI #2.**
    - TCE is present in groundwater, but generally at concentrations less than AGQS, while cis-1,2-DCE and VC are present at concentrations greater than AGQSs in both upper and lower hydrogeologic unit groundwater.

- MtBE and 1,4-dioxane were detected in groundwater at concentrations greater than AGQSs.

GeoInsight Conclusions and Recommendations

- The former open channel and sludge pits appear to be a primary source area for the CVOC impacts observed across the Site in downgradient areas.
- Active remediation is warranted, as discussed in more detail below.

AOI #4: Undeveloped Upland Area

Key Observations

- **Impacts not identified.**
  - VOCs were not detected in soil.
  - Observations of impacts were not noted in boring logs from PDI (e.g., elevated PID readings, visual or olfactory observations indicative of impacts, were not noted).
  - VOCs were not identified in groundwater.

GeoInsight Recommendations

- Active remediation is not warranted at this time based upon these results.

AOI #5: Wetland and River Area

Key Observations

- **Based upon data collected during the PDI, a notable source of VOCs was not identified in soil located in AOI #5.**
  - VOCs were detected at levels, less than their SRSs in soil samples collected from the vicinity of the former wastewater outfall discharge line (HSB locations) during the PDI.
  - VOCs were detected at levels, less than their SRSs in soil samples collected from other locations in this AOI during the PDI.
  - Observations of impacts were not noted in boring logs from the PDI (e.g., elevated PID readings, visual or olfactory observations were not observed).
  - Limited soil data are available from previous investigations. An exceedance of the SRS for TCE in a soil sample from 20 to 22 feet was detected at MW-1, which was installed in 2002. An exceedance of cis-1,2-DCE in a shallow soil (approximately 0.5 feet bgs) was detected in a sample collected near SW-6, which is a seasonally wet former meander channel of the Spicket River. These data are provided in Appendix C.

- **Groundwater impacts are the result of migration from upgradient source areas.**
    - Well UW19-01, installed as part of the PDI, helped to delineate the extent of groundwater impacts in the northwestern portion of the Site.
    - The extent of impacts in the USU are more limited, with more widespread detections in LSU wells.
    - Concentrations are highest in wells immediately downgradient from source areas in AOIs #2 and #3 (e.g., MW-1U/D) and wells near the Spicket River (GZ-900 series, and newly installed UW19-01U). AGQS exceedances of CVOCs, including TCE, cis,1-2-DCE, and VC, were detected.
    - AGQS exceedances of MtBE, TBA, and 1,4-dioxane were detected.
    - The GMP requires sampling at three surface water locations – SW-1, SW-2, and SG-902 in November each year. Site-related VOCs have been detected periodically at low levels in samples from these locations, at concentrations less than NHDES surface water quality criteria.
    - CVOCs have historically been detected at surface water location SW-6, which is located in a seasonally wet former meander channel of the Spicket River that is located downgradient from AOI #3. Exceedances of surface water quality criteria in samples from this location were detected as recently as 2015, when this location was last sampled. These data are provided in Appendix C.

GeoInsight Conclusions and Recommendations

- Active remediation is not warranted at this time based upon these results.
- Continue to monitor groundwater and surface water quality through select sampling of key wells and surface water locations.

AOI #6: Upgradient Area

Key Observations

- Soil samples were not collected as part of the PDI. Based upon our review, soil data were not collected from this area historically in the investigations completed by GZA, as sources were not suspected in this portion of the Site.
- VOCs were not detected in groundwater in this AOI.

GeoInsight Recommendation

- Active remediation is not warranted at this time based upon these results.

AOI #7: Downgradient Area (outside of Groundwater Management Zone)

Key Observations

- Soil samples were not collected from this area as part of the PDI. Based upon our review, soil data were not collected from this area historically in the investigations completed by GZA, as sources were not suspected in this area.
- VOCs were not detected in groundwater in upper unit wells.
- Site-related VOCs have typically not been detected in groundwater samples collected from monitoring wells on the west side of the Spicket River (GZ-10U/L, GZ-905U/L, GZ-903U, GZ-904U), with the following exceptions.
  - A sample collected from replacement well GZ-10LR in November 2019 had a detection of MtBE greater than AGQS, and detections of TCE, cis-1,2-DCE, and trans-1,2-DCE less than AGQSs. This well also had a low-level detection of MtBE in June 2019 when it was sampled for the first time. Previously, these compounds had not been detected in samples collected from GZ-10L (the older well).
  - Well GZ-905L has had detections of PCE, TCE, and cis-1,2-DCE at levels less than AGQS in five out of the ten rounds it has been sampled (ranging from 0.77 to 2.6 mg/L).

GeoInsight Conclusions and Recommendations

- Groundwater test results at GZ-10LR are inconsistent with previous sampling events. GMP sampling of monitoring well GZ-10LR in June 2020 indicated significant reductions in MtBE and cis-DCE, and TCE was not detected. This well will continue to be sampled in June and November of each year as part of GMP sampling events.
- Active remediation is not warranted at this time based upon these results.
- Continue to monitor groundwater quality through ongoing sampling of select wells in this AOI.

4.4 UPDATED CONCEPTUAL SITE MODEL

The updated CSM presented below is based upon GeoInsight's review of information collected during the PDI and previous reports prepared for the Site by others. Based upon the elevated soil and groundwater concentrations and historical observations of DNAPL, VOCs appear to have been released in and around the vicinity of the former open channel, former sludge pits, and northern and southern former soil piles in AOIs #2 and #3.

As documented in previous reports prepared by GZA, illicit disposal of industrial septage by septage haulers or others is thought to have occurred at the Site, potentially via the previously

unrestricted access to the Site from Garabedian Drive to the south. VOCs appear to have also been contributed from the disposal of impacted treatment media in the sludge pits, in particular the pit that correlates with the northern portion of the former open channel. Elevated VOC concentrations (up to 10,800 mg/kg of TCE at MIP-35) were detected in soils above the water table along approximately half of the former open channel. The elevated concentrations were identified in the "peat"-like, organic rich layer observed in borings completed within this feature. Based upon observations of historical aerial photographs provided in the PDI Work Plan, the former open channel appears to have been filled in over a number of years. In addition, during installation of the sewer line, visibly impacted soils were removed and stockpiled in the northern and southern former soil piles, contributing to the observed distribution of VOCs.

Due to its density greater than water, DNAPL would have migrated downward into the upper hydrogeologic unit below the water table. The resulting pattern of distribution of VOCs in the subsurface is controlled by the interbedded nature of the Site soils and absorption of TCE onto finer-grained soils. DNAPL migration would have occurred downward via the path of least resistance (sandy soils) and impeded or redirected upon encountering strata of the finer-grained soils. DNAPL migration through the SCU would be significantly impeded because of the displacement pressure necessary to move water from the pore spaces between the silt and clay particles. As a result, where present in significant enough quantities, DNAPL could pool on the SCU surface.

Although only directly observed at one well (GZ-TW-1L), DNAPL is likely present in areas within and west of the former open channel and north of the northern former soil pile based upon the elevated TCE concentrations detected in soil below the water table (up to 31,200 mg/kg at location MIP-35) and the pore water solubility calculations performed, as presented in Section 4.2.3 and as shown on Figure 5. These areas are larger than those previously inferred to be present based upon prior investigations by others.

CVOCs, including TCE, cis-1,2-DCE, and VC, are present in soil and groundwater in the source areas, in addition to other VOCs, including petroleum-related VOCs such as benzene and

toluene, as well as naphthalene and trimethylbenzene in soil. The co-occurrence of the CVOCs and other VOCs suggests a similar/co-mingled source, rather than a separate petroleum-related source (consistent with co-mingled industrial septage loads likely discharged on-Site). MtBE and TBA are largely not present at elevated levels in the source area, but have moved to downgradient areas in groundwater, at concentrations greater than their respective AGQSs.

TCE is present at concentrations greater than SRS in the upper hydrogeologic unit at depth, as shown on Figure 5. Exceedances of VC and cis-1,2-DCE are also noted in soils below the water table and appear more laterally widespread than those of TCE. GeoInsight believes the wider extent of the cis-1,2-DCE and VC in groundwater is likely a function of the production of these daughter products from the ERD of the parent compound TCE in the source areas. Also, ERD may be stopping at the sulfate-reducing stage, which would accumulate cis-1,2-DCE and VC in groundwater. Lastly, the soil organic carbon-water partitioning coefficient (K_{oc}) is higher for TCE than it is for cis-1,2-DCE and VC; therefore, those compounds would be expected to migrate farther in the aquifer than TCE.

Based upon the limited soil data for the SCU, the extent of impacts within the SCU is not well understood, but VOCs appear to be present in at least the upper portion of this unit.

- A soil sample collected from what appears to be the top of the SCU from MIP-4 had an exceedance of TCE.
- Soil samples collected from the SCU at locations MIP-13, SB19-40, and SB19-59 had exceedances for VC and cis-1,2-DCE, although TCE was not detected.
- At borings SB19-49, SB19-58, and UW19-06U, samples from within the SCU were not collected for laboratory analysis; however, elevated PID and odors were noted during drilling near the bottom of the borings, which were completed in the upper portion of the SCU.
- At borings SB19-60 and SB19-70, samples from within the SCU were not collected for laboratory analysis, but elevated PID and odors were observed during drilling in the upper couple of feet of the silty clay layer and decreased with depth.

The presence of TCE impacts in the upper portion of the SCU is consistent with the likely historical pooling of DNAPL on top of the SCU after downward migration through more

permeable soil of the USU. VOCs, and possibly small amounts of DNAPL via displacement, likely diffused into the pore water of the upper portion of the fine-grained SCU.

From the source areas, VOCs migrated into groundwater and spread downgradient, resulting in a large area of impacted groundwater in both upper and lower hydrogeologic units across the Site. VOCs are present in groundwater at concentrations greater than AGQSs in both the upper and lower hydrogeological units, indicating that the SCU has not completely prevented the migration of impacts and/or that groundwater has migrated into the lower unit in areas where the SCU is absent. It is also possible that VOCs may have been introduced to the lower unit during previous installation of wells in this unit by others (as discussed below). Vertical gradients in source area wells are generally downward; whereas gradients in the areas near the river are generally upward, suggesting migration of impacted groundwater in the lower hydrogeologic unit, and discharge into the upper hydrogeologic unit near the Spicket River.

In addition to the hydrogeologic controls on VOC distribution in groundwater, GeoInsight notes potential smearing of impacted soils and physical transport of possible DNAPL-containing soil below the water table during installation of wells in the lower hydrogeologic unit. Higher TCE concentrations were detected in wells GZ-3A, GZ-3L, and GZ-4L located outside the area targeted by the ERD program either immediately following their installation or within two years after installation, with TCE concentrations ranging from 12,000 to 58,000 µg/L. In addition, TCE concentrations in these wells rapidly declined to pre-injection levels (maximum of 300 µg/L), despite being located outside of the area of influence of the injections. This decrease may be an indication that impacted soils from shallower zones were smeared along the borehole wall and provided a short-term source for CVOCs dissolved in groundwater.

In addition, historical CVOC concentrations in lower hydrogeologic unit at well GZ-505L and replacement well GZ-505LR are two to three orders of magnitude higher than those in nearby wells screened within the same unit. GZ-505L was installed in 2006, and groundwater samples from this well showed a 300-fold increase in TCE concentrations until it was over-drilled and grouted in 2012. The original well construction appears to have introduced CVOCs to the lower

aquifer in this area at concentrations indicative of DNAPL. CVOC concentrations in replacement well GZ 505LR appeared to have decreased over time, although they are still highly variable. It is also noted that TCE concentrations increased in lower unit wells GZ 403L and GZ-405L following their installation.

The limited data available suggests that VOCs in bedrock groundwater, where present, are limited. VOCs in samples collected from well GZ-3B, when detected, have been detected at generally low levels (single digit µg/L) and during recent monitoring events, have included 1,1-DCE and MtBE at concentrations less than their respective AGQSs. In addition, 1,4-dioxane has been detected greater than its AGQS in several samples collected since 2010 but was not detected (reporting limit of 0.25 µg/L) in the most recent sample collected from June 2020. VOC detections in lower hydrogeologic unit groundwater at GZ-3L are one to two orders of magnitude greater than those in GZ-3B (with the exception of 1,4-dioxane, which has been detected at similar concentrations), at concentrations greater than AGQSs. An upward gradient measured in at GZ-3B/GZ-3L suggests that downward transport of VOCs from the lower hydrogeologic unit in this area is limited. VOC samples results for upgradient well GZ-1B were not available in the documents reviewed by GeoInsight.

Groundwater elevation data, surface water analytical data, and sediment pore water analytical data suggest that site-related VOCs can be transported upward and discharged into the Spicket River in the dissolved-phase. Surface water sampling within the river has indicated that concentrations are less than water quality criteria. (Note that some of the 2019 groundwater elevation data are inconsistent with previous data and suggest that in some locations the river is discharging to groundwater. GeoInsight will further evaluate these conditions as part of the evaluation of data from the 2020 GMP monitoring rounds to be presented in the Periodic Summary Report to be submitted in January 2021).

4.5 UPDATED SENSITIVE RECEPTOR SURVEY

Previous sensitive receptor information is summarized in Section 2.7. Of related significance are potential discharges of Site COCs to the Spicket River and the potential for vapor intrusion of

Site VOCs into on-Site structures (i.e., Salem Animal Rescue League buildings) and off-Site residential structures, located beyond the west bank of the Spicket River. As discussed, the Spicket River is a discharge point for Site groundwater, in particular from upper hydrogeologic unit groundwater. As discussed in Section 2.7, GZA's 2017 Periodic Summary Report includes the results and conclusions regarding their evaluation of VOC discharge to the Spicket River, which included sediment pore water sampling from six sample locations.

Groundwater and surface water sampling completed since the pore water sampling evaluation indicate stable or decreasing VOC concentrations in groundwater and surface water samples near the river. Post-2014 groundwater sampling of monitoring wells GZ-901U/L, GZ-902U/L GZ-903U, GZ-904U, and GZ-905L located on- and off-Site in close proximity to the river showed one or more VOCs detected in four wells (GZ-901U, GZ-901L, GZ-902U, and GZ-905L). Groundwater sampling in 2019 showed moderate to significant VOC reductions in each of the four monitoring wells since 2014 (Table 5). Surface water sampling completed as part of GMP monitoring show periodic detections of TCE and cis-DCE in the three surface water stations (SG-902, SW-1, and SW-2) at concentrations below WQCTS, Fresh Chronic Criteria and AGQSs (Table 6). Although the concentrations were low, the November 2019 results represent the first detection of TCE at SW-1 and TCE and cis-DCE at SG-902. Continued monitoring of surface water stations is warranted; however, a significant threat to the river water quality on-Site and downstream is not evident based upon the available data.

Groundwater data from the PDI are generally consistent with historical detections in groundwater. Continued monitoring at wells GZ-9U and MW-6 near the Salem Animal Rescue League buildings is warranted, given exceedances of GW-2 screening values in other wells in the northern portion of the Site. In addition, potential future redevelopment at the Site should consider a further evaluation of the groundwater-to-indoor air pathway, given the elevated concentrations of VOCs in Site soil and groundwater.

As previously reported in GeoInsight's Groundwater Monitoring Data Transmittal – June 2020, dated August 6, 2020, the NHDES requested updated potential receptor information due to a

detection of 26 µg/L of MtBE in replacement monitoring well GZ-10LR, located on the west side of the Spicket River, during the November 11, 2019 sample event. TCE and cis-DCE were also detected in the GZ-10LR sample collected in November for the first time or at elevated concentrations compared to historical results. Based upon information obtained from the Town Municipal Services Division, public water is supplied to properties within 500 feet of monitoring well GZ-10LR and water supply wells were not identified within that radius. GMP sampling of monitoring well GZ-10LR in June 2020 indicated significant reductions in MtBE (less than AGQS) and cis-DCE, and TCE were not detected.

Based upon current information, Site COCs do not appear to represent a threat to receptors from soil vapor or drinking water ingestion pathways.

5.0 REMEDIAL ACTION PLAN ADDENDUM

5.1 SCREENING OF REMEDIAL ALTERNATIVES

Despite many years of remediation, Site groundwater quality has not improved significantly. Although ERD injections were generally effective in treating the comparatively low CVOC concentrations within the injection radius of influence, upgradient source impacts remained untreated and continue to provide a source for dissolved-phase CVOCs that likely migrated into the treated areas and re-impacted these areas. As such, active remediation in source areas is proposed, as described below.

In consultation with the Town, the following remedial objectives were established for active remediation at the Site.

1. Remediate soil and groundwater so the property can be reused by the Town or sold for redevelopment with limited restrictions on reuse.
2. Complete active remediation in less than five years.
3. Transition to a manageable and predictable long-term groundwater monitoring program following active remediation.

Based upon the information summarized herein, GeoInsight recommends a remedial strategy that removes COC sources from saturated and unsaturated zone soils. A COC source is defined herein as soils with an estimated pore water concentration greater than 10% of the pure phase solubility limit of TCE (as described in Section 4.2). In addition, to achieve transition to a manageable and predictable long-term monitoring program within a reasonable timeframe (i.e., less than five years) and reduce the need for Activity and Use Restrictions (AURs) following remediation, soils containing TCE at concentrations exceeding the SRS of 0.8 mg/kg should be remediated to concentrations below the SRS.

The selected technology should also remove or reduce non-TCE COCs to concentrations that will achieve the active remediation objectives. The Town's desire to remediate the Site such that remaining soil COCs are below SRSs will require a much larger remediation program than addressing the COC source soil alone. GeoInsight evaluated costs and approach to remediate

DNAPL source areas plus the larger area of SRS exceedance and the DNAPL source areas only. The proposed remedial action will also reduce the potential for indoor air exposure through the anticipated reduction in groundwater concentrations in downgradient areas. Treatment of highly impacted soils above the water table will also eliminate the direct contact exposure pathway.

AOIs #2 and #3 contain soils that will be targeted for active remediation based upon GeoInsight's opinion that soil and groundwater impacts outside of AOIs #2 and #3 are most likely the result of impacted groundwater migration out of these source zones and that once the source zones are remediated, downgradient impacts will attenuate through physical and biological processes. The COC source areas and areas of TCE exceedances in soil that will be targeted for remediation correspond to those areas depicted on Figure 5.

Through a preliminary screening process and in consultation with remedial specialists from XDD Environmental LLC, GeoInsight selected three remedial technologies that could be used alone or in combination to achieve active remediation objectives. The technologies included: 1) excavation with on- or off-Site treatment and disposal; 2) in-situ chemical oxidation; and 3) in-situ thermal treatment. Each technology was evaluated based upon its ability to remediate the target areas at three different target depths:

1. ground surface to 7 feet bgs, primarily unsaturated soils;
2. 7 to 15 feet bgs, within the USU and accessible for excavation; and
3. 15 to 25 feet bgs, within the USU to the top several feet of the SCU.

Although impacts have been detected in the LSU, for the purposes of this evaluation, it assumed that these areas can be addressed though smaller-scale targeted remediation, if needed. Furthermore, because it is possible that impacts in the LSU are the result of soil drag-down during drilling or migration from the USU through compromised well seals, impacts are interpreted to be localized in the lower hydrogeologic unit and will likely be reduced when upper hydrogeologic unit impacts are remediated.

The three technologies were rated on their advantages/disadvantages, timeframe for active remediation, cost, and degree of certainty (as reflected by cost range). Rating results are summarized in Table 8. Based upon this evaluation, GeoInsight recommended in-situ thermal treatment as the technology most capable of meeting active remediation objectives, with the greatest degree of certainty, and at a comparatively lower cost. The three primary methods for heating the subsurface, steam-enhanced extraction (SEE), electrical resistance heating (ERH), and thermal conductance heating (TCH), were considered during the evaluation, with input from two companies that offer all three heating approaches. SEE was rated higher than ERH and TCH and was selected as the intended method, primarily due to an anticipated lower cost. The SEE cost was derived under the assumption that steam is a more effective heat delivery mechanism in moderately transmissive aquifers, such as the upper hydrogeologic unit, in comparison to ERH or TCH. However, because only a screening evaluation was performed, GeoInsight's recommendation is to solicit bids from at least three thermal companies that each have SEE, ERH, and TCH capabilities to further evaluate the most suitable technology(ies) given Site conditions.

5.2 PROPOSED APPROACH

GeoInsight understands that the Town would like to have active remediation at the Site underway in 2021. Based upon this understanding, we anticipate the following approach and schedule for implementation.

- Upon NHDES' conceptual approval of the proposed remedial approach, GeoInsight will prepare performance-based contractor bid specifications for thermal treatment of the DNAPL source area and the larger area containing TCE impacts exceeding SRS. The bid specifications will require the bidding contractors to prepare conceptual treatment design plans to be included with their bid documents. GeoInsight will solicit bids from at least three thermal companies, as indicated above. At this time, it is anticipated that bids will be received by the end of January 2021.

- Following the bid procurement process, GeoInsight will submit a remedial design report for NHDES review that will include the conceptual thermal design plans (provided by the thermal remediation vendors as a part of their bid packages); an approach for overseeing the thermal remediation field activities; a remedial performance testing approach (soil borings and groundwater sampling); cleanup goals for soil and groundwater; and a

monitoring program for temperature, DNAPL movement, and vapor intrusion around the thermal treatment zone. Target zones within the different stratigraphic units will be specified. In addition, a list of permits that may be required as part of remediation will be included, as well as an indication as to whether any AURs may be necessary following remediation. Currently, GeoInsight anticipates that this remedial design document will be submitted around the end of January 2021.

- Assuming the Town budget to include costs for thermal remediation based upon the bids received is approved at the March 2021 Town meeting, it is anticipated that the Town would execute a contract with the selected thermal contractor for implementation initiating in 2021. Upon execution of the contract, the selected contractor would prepare final design plans for the selected remedial alternative(s). The final design plans would be certified by the selected contractor's New Hampshire-licensed Professional Engineer and reviewed by GeoInsight, and along with construction specifications, would be submitted to NHDES.

TABLES

TABLE 1
SUMMARY OF SOIL CHARACTERIZATION DATA
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Lab Report ID	NHDES Soil	1927882	1927882	1927882	1927882
Sample Identification	Remediation	S-1	S-2	S-3	S-4
Sample Date	Standards	6/26/2019	6/26/2019	6/26/2019	6/26/2019
Total Metals by 6010D (Mercury by 7471B)					
Arsenic	11	4.53	3.63	5.02	4.11
Chromium	1,000	13.5	13.6	12.8	14.9
Copper	NS	5.06	5.99	5.32	5.68
Lead	400	8.05	7.22	6.79	7.24
Nickel	400	8.11	8.72	8.54	9.8
Zinc	1,000	17.8	16.7	18.4	17.6
Total Petroleum Hydrocarbons (TPH) by 8015D(M)					
TPH	10,000	1,090	323	438	287
Pesticides by 8081B					
Pesticides, Total	NS	ND	ND	ND	ND
Polychlorinated Byphenyls by 8082A					
PCBs, Total	1	ND(0.0333)	ND(0.0343)	ND(0.0352)	ND(0.0347)
Herbicides by 8151A					
Herbicides, Total	NS	ND	ND	ND	ND
Volatile Organic Compounds (VOCs) by 8260C					
VOCs, Total	NS	ND	ND	ND	ND
Semivolatile Organic Compounds (SVOCs) by 8270D					
Acenaphthylene	490	0.36	0.75	0.4	0.24
Anthracene	1,000	0.18	0.77	0.3	0.14
Benzo(a)anthracene	1	**1.1**	**2.9**	**1.2**	0.67
Benzo(a)pyrene	0.7	**1.5**	**3.2**	**1.6**	**0.89**
Benzo(b)fluoranthene	1	**1.8**	**4.2**	**2.1**	1
Benzo(g,h,i)perylene	NS	0.98	2	1	0.59
Benzo(k)fluoranthene	12	0.52	0.89	0.5	0.39
Chrysene	120	0.84	2.1	0.98	0.56
Dibenzo(a,h)anthracene	0.7	0.25	0.52	0.26	0.14
Fluoranthene	960	1.1	3.6	1.2	0.82
Indeno(1,2,3-cd)pyrene	1	**1.1**	**2.3**	**1.2**	0.65
Phenanthrene	NS	0.19	1.4	0.19	0.16
Pyrene	720	1.1	3.1	1.1	0.78
Other Parameters					
pH [SU]	NS	7.9	8	7.9	8
Solids, Total [%]	NS	94.6	94.4	92.4	94
Ignitability	NS	NI	NI	NI	NI
Cyanide, Reactive [mg/kg]	22	ND(10)	ND(10)	ND(10)	ND(10)
Sulfide, Reactive [mg/kg]	NS	ND(10)	ND(10)	ND(10)	ND(10)

Notes:

1. Concentrations are in milligrams per kilogram (mg/kg) unless otherwise noted.
2. ND(x) indicates analyte was not detected above the quantitation limit noted in parentheses.
3. Only detected compounds are shown.
4. New Hampshire Department of Environmental Services (NHDES) Soil Remediation Standards (SRSs) are shown for comparison purposes.
5. **BOLD** values exceed SRSs.
6. NS = no standard available.

TABLE 2
SUMMARY OF SOIL ANALYTICAL DATA
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Location Identification		HSB-19-1	HSB-19-2	HSB-19-3	HSB-19-4	HSB-19-5	HSB-19-6	HSB-19-7	SB19-UST	SB19-UST	SB19-UST	MW19-01U	MW19-02U/L	MW19-03U	MW19-04U	MW19-05U	MW19-06L	MW19-06L	UW19-01U
Sample Identification		HSB-19-1	HSB-19-2	HSB-19-3	HSB-19-4	HSB-19-5	HSB-19-6	HSB-19-7	SB19-UST	SB19-UST	SB19-UST	SB19-01	SB19-02	SB19-03	SB19-04	SB19-05	SB19-06	SB19-06	SB19-07
Hydrogeologic Unit	NHDES Soil	USU	USU	USU	USU	USU	USU	USU	USU	USU	USU	USU	LSU	SCU	USU	USU	SCU	SCU	USU
Depth (feet)	Remediation	3-4	5-7	5-7	5-7	3.6	3-4	5-7	16.5-18	22-24	22-24 DUP	25-26	49-51	9-11	19-21	29-31	29-31	29-31 DUP	7-9
Sample Date	Standards	7/11/2019	7/11/2019	7/11/2019	7/11/2019	7/11/2019	7/11/2019	7/11/2019	7/11/2019	7/11/2019	7/11/2019	6/24/2019	6/25/2019	6/26/2019	6/27/2019	6/27/2019	6/28/2019	6/28/2019	7/9/2019
Volatile Organic Compounds by 8260C (mg/kg)		8260 low	8260 low	8260 low	8260 low	8260 low	8260 low	8260 low	8260 low	8260 low	8260 low	8260 low	8260 low	8260 low	8260 low	8260 low	8260 high	8260 high	8260 high
1,1,1,2-Tetrachloroethane	0.8	ND(0.00055)	ND(0.00058)	ND(0.00046)	ND(0.00052)	ND(0.00038)	ND(0.00046)	ND(0.00039)	ND(0.00035)	ND(0.00038)	ND(0.00036)	ND(0.00045)	ND(0.00032)	ND(0.00095)	ND(0.00041)	ND(0.00037)	ND(0.062)	ND(0.068)	ND(0.033)
1,1,1-Trichloroethane	78	ND(0.00055)	ND(0.00058)	ND(0.00046)	ND(0.00052)	ND(0.00038)	ND(0.00046)	ND(0.00039)	ND(0.00035)	ND(0.00038)	ND(0.00036)	0.00045	ND(0.00032)	ND(0.00095)	ND(0.00041)	ND(0.00037)	ND(0.062)	ND(0.068)	0.045
1,1,2,2-Tetrachloroethane	4	ND(0.00055)	ND(0.00058)	ND(0.00046)	ND(0.00052)	ND(0.00038)	ND(0.00046)	ND(0.00039)	ND(0.00035)	ND(0.00038)	ND(0.00036)	ND(0.00045)	ND(0.00032)	ND(0.00095)	ND(0.00041)	ND(0.00037)	ND(0.062)	ND(0.068)	ND(0.033)
1,1,2-Trichloroethane	0.1	ND(0.0011)	ND(0.0012)	ND(0.00091)	ND(0.001)	ND(0.00076)	ND(0.00092)	ND(0.00078)	ND(0.00071)	ND(0.00076)	ND(0.00072)	ND(0.00091)	ND(0.00064)	ND(0.0019)	ND(0.00081)	ND(0.00074)	ND(0.12)	ND(0.14)	ND(0.066)
1,1-Dichloroethane	3	ND(0.0011)	ND(0.0012)	ND(0.00091)	ND(0.001)	ND(0.00076)	ND(0.00092)	ND(0.00078)	ND(0.00071)	ND(0.00076)	ND(0.00072)	ND(0.00091)	ND(0.00064)	ND(0.0019)	ND(0.00081)	ND(0.00074)	ND(0.12)	ND(0.14)	ND(0.066)
1,1-Dichloroethene	14	ND(0.0011)	ND(0.0012)	ND(0.00091)	ND(0.001)	ND(0.00076)	ND(0.00092)	ND(0.00078)	ND(0.00071)	ND(0.00076)	ND(0.00072)	ND(0.00091)	ND(0.00064)	ND(0.0019)	ND(0.00081)	ND(0.00074)	ND(0.12)	ND(0.14)	ND(0.066)
1,1-Dichloropropene	NS	ND(0.00055)	ND(0.00058)	ND(0.00046)	ND(0.00052)	ND(0.00038)	ND(0.00046)	ND(0.00039)	ND(0.00035)	ND(0.00038)	ND(0.00036)	ND(0.00045)	ND(0.00032)	ND(0.00095)	ND(0.00041)	ND(0.00037)	ND(0.062)	ND(0.068)	ND(0.033)
1,2,3-Trichlorobenzene	NS	ND(0.0022)	ND(0.0023)	ND(0.0018)	ND(0.0021)	ND(0.0015)	ND(0.0018)	ND(0.0016)	ND(0.0014)	ND(0.0015)	ND(0.0014)	ND(0.0018)	ND(0.0013)	ND(0.0038)	ND(0.0016)	ND(0.0015)	ND(0.25)	ND(0.27)	ND(0.13)
1,2,3-Trichloropropane	0.1	ND(0.0022)	ND(0.0023)	ND(0.0018)	ND(0.0021)	ND(0.0015)	ND(0.0018)	ND(0.0016)	ND(0.0014)	ND(0.0015)	ND(0.0014)	ND(0.0018)	ND(0.0013)	ND(0.0038)	ND(0.0016)	ND(0.0015)	ND(0.25)	ND(0.27)	ND(0.13)
1,2,4-Trichlorobenzene	19	ND(0.0022)	ND(0.0023)	ND(0.0018)	ND(0.0021)	ND(0.0015)	ND(0.0018)	ND(0.0016)	ND(0.0014)	ND(0.0015)	ND(0.0014)	ND(0.0018)	ND(0.0013)	ND(0.0038)	ND(0.0016)	ND(0.0015)	ND(0.25)	ND(0.27)	ND(0.13)
1,2,4-Trimethylbenzene	130	ND(0.0022)	ND(0.0023)	ND(0.0018)	ND(0.0021)	ND(0.0015)	ND(0.0018)	ND(0.0016)	ND(0.0014)	ND(0.0015)	ND(0.0014)	ND(0.0018)	ND(0.0013)	ND(0.0038)	ND(0.0016)	ND(0.0015)	ND(0.25)	ND(0.27)	ND(0.13)
1,2-Dibromo-3-chloropropane	NS	ND(0.0033)	ND(0.0035)	ND(0.0027)	ND(0.0031)	ND(0.0023)	ND(0.0027)	ND(0.0023)	ND(0.0021)	ND(0.0023)	ND(0.0022)	ND(0.0027)	ND(0.0019)	ND(0.0057)	ND(0.0024)	ND(0.0022)	ND(0.37)	ND(0.41)	ND(0.2)
1,2-Dibromoethane	0.1	ND(0.0011)	ND(0.0012)	ND(0.00091)	ND(0.001)	ND(0.00076)	ND(0.00092)	ND(0.00078)	ND(0.00071)	ND(0.00076)	ND(0.00072)	ND(0.00091)	ND(0.00064)	ND(0.0019)	ND(0.00081)	ND(0.00074)	ND(0.12)	ND(0.14)	ND(0.066)
1,2-Dichlorobenzene	88	ND(0.0022)	ND(0.0023)	ND(0.0018)	ND(0.0021)	ND(0.0015)	ND(0.0018)	ND(0.0016)	ND(0.0014)	ND(0.0015)	ND(0.0014)	ND(0.0018)	ND(0.0013)	ND(0.0038)	ND(0.0016)	ND(0.0015)	ND(0.25)	ND(0.27)	ND(0.13)
1,2-Dichloroethane	0.1	ND(0.0011)	ND(0.0012)	ND(0.00091)	ND(0.001)	ND(0.00076)	ND(0.00092)	ND(0.00078)	ND(0.00071)	ND(0.00076)	ND(0.00072)	ND(0.00091)	ND(0.00064)	ND(0.0019)	ND(0.00081)	ND(0.00074)	ND(0.12)	ND(0.14)	ND(0.066)
cis-1,2-Dichloroethene	2	0.0027	ND(0.0012)	ND(0.00091)	ND(0.001)	0.012	ND(0.00092)	ND(0.00078)	ND(0.00071)	ND(0.00076)	ND(0.00072)	0.018	0.013	ND(0.0019)	ND(0.00081)	ND(0.00074)	**3.2**	**2.7**	0.9
trans-1,2-Dichloroethene	9	ND(0.0016)	ND(0.0018)	ND(0.0014)	ND(0.0015)	ND(0.0011)	ND(0.0014)	ND(0.0012)	ND(0.001)	ND(0.0011)	ND(0.0014)	ND(0.0014)	ND(0.00096)	ND(0.0028)	ND(0.0012)	ND(0.0011)	ND(0.19)	ND(0.2)	ND(0.099)
1,2-Dichloroethene, Total	NS	0.0027	ND(0.0012)	ND(0.00091)	ND(0.001)	0.012	ND(0.00092)	ND(0.00078)	ND(0.00071)	ND(0.00076)	ND(0.00072)	0.018	0.013	ND(0.0019)	ND(0.00081)	ND(0.00074)	3.2	2.7	0.9
1,2-Dichloropropane	0.1	ND(0.0011)	ND(0.0012)	ND(0.00091)	ND(0.001)	ND(0.00076)	ND(0.00092)	ND(0.00078)	ND(0.00071)	ND(0.00076)	ND(0.00072)	ND(0.00091)	ND(0.00064)	ND(0.0019)	ND(0.00081)	ND(0.00074)	ND(0.12)	ND(0.14)	ND(0.066)
1,3,5-Trichlorobenzene	NS	ND(0.0022)	ND(0.0023)	ND(0.0018)	ND(0.0021)	ND(0.0015)	ND(0.0018)	ND(0.0016)	ND(0.0014)	ND(0.0015)	ND(0.0014)	ND(0.0018)	ND(0.0013)	ND(0.0038)	ND(0.0016)	ND(0.0015)	ND(0.25)	ND(0.27)	ND(0.13)
1,3,5-Trimethylbenzene	96	ND(0.0022)	ND(0.0023)	ND(0.0018)	ND(0.0021)	ND(0.0015)	ND(0.0018)	ND(0.0016)	ND(0.0014)	ND(0.0015)	ND(0.0014)	ND(0.0018)	ND(0.0013)	ND(0.0038)	ND(0.0016)	ND(0.0015)	ND(0.25)	ND(0.27)	ND(0.13)
1,3-Dichlorobenzene	150	ND(0.0022)	ND(0.0023)	ND(0.0018)	ND(0.0021)	ND(0.0015)	ND(0.0018)	ND(0.0016)	ND(0.0014)	ND(0.0015)	ND(0.0014)	ND(0.0018)	ND(0.0013)	ND(0.0038)	ND(0.0016)	ND(0.0015)	ND(0.25)	ND(0.27)	ND(0.13)
cis-1,3-Dichloropropene	NS	ND(0.00055)	ND(0.00058)	ND(0.00046)	ND(0.00052)	ND(0.00038)	ND(0.00046)	ND(0.00039)	ND(0.00035)	ND(0.00038)	ND(0.00036)	ND(0.00045)	ND(0.00032)	ND(0.00095)	ND(0.00041)	ND(0.00037)	ND(0.062)	ND(0.068)	ND(0.033)
trans-1,3-Dichloropropene	NS	ND(0.0011)	ND(0.0012)	ND(0.00091)	ND(0.001)	ND(0.00076)	ND(0.00092)	ND(0.00078)	ND(0.00071)	ND(0.00076)	ND(0.00072)	ND(0.00091)	ND(0.00064)	ND(0.0019)	ND(0.00081)	ND(0.00074)	ND(0.12)	ND(0.14)	ND(0.066)
1,3-Dichloropropene, Total	0.1	ND(0.00055)	ND(0.00058)	ND(0.00046)	ND(0.00052)	ND(0.00038)	ND(0.00046)	ND(0.00039)	ND(0.00035)	ND(0.00038)	ND(0.00036)	ND(0.00045)	ND(0.00032)	ND(0.00095)	ND(0.00041)	ND(0.00037)	ND(0.062)	ND(0.068)	ND(0.033)
1,4-Dichlorobenzene	7	ND(0.0022)	ND(0.0023)	ND(0.0018)	ND(0.0021)	ND(0.0015)	ND(0.0018)	ND(0.0016)	ND(0.0014)	ND(0.0015)	ND(0.0014)	ND(0.0018)	ND(0.0013)	ND(0.0038)	ND(0.0016)	ND(0.0015)	ND(0.25)	ND(0.27)	ND(0.13)
1,4-Dioxane	5	ND(0.088)	ND(0.094)	ND(0.073)	ND(0.082)	ND(0.061)	ND(0.073)	ND(0.062)	ND(0.056)	ND(0.061)	ND(0.058)	ND(0.073)	ND(0.051)	ND(0.15)	ND(0.065)	ND(0.06)	ND(10)	ND(11)	ND(5.3)
2,2-Dichloropropane	NS	ND(0.0022)	ND(0.0023)	ND(0.0018)	ND(0.0021)	ND(0.0015)	ND(0.0018)	ND(0.0016)	ND(0.0014)	ND(0.0015)	ND(0.0014)	ND(0.0018)	ND(0.0013)	ND(0.0038)	ND(0.0016)	ND(0.0015)	ND(0.25)	ND(0.27)	ND(0.13)
2-Butanone	51	ND(0.011)	ND(0.012)	ND(0.0091)	ND(0.01)	ND(0.0076)	ND(0.0092)	ND(0.0078)	ND(0.0071)	ND(0.0076)	ND(0.0072)	ND(0.0091)	ND(0.0064)	ND(0.019)	ND(0.0081)	ND(0.0074)	ND(1.2)	ND(1.4)	ND(0.66)
2-Hexanone	NS	ND(0.011)	ND(0.012)	ND(0.0091)	ND(0.01)	ND(0.0076)	ND(0.0092)	ND(0.0078)	ND(0.0071)	ND(0.0076)	ND(0.0072)	ND(0.0091)	ND(0.0064)	ND(0.019)	ND(0.0081)	ND(0.0074)	ND(1.2)	ND(1.4)	ND(0.66)
4-Methyl-2-pentanone	29	ND(0.011)	ND(0.012)	ND(0.0091)	ND(0.01)	ND(0.0076)	ND(0.0092)	ND(0.0078)	ND(0.0071)	ND(0.0076)	ND(0.0072)	ND(0.0091)	ND(0.0064)	ND(0.019)	ND(0.0081)	ND(0.0074)	ND(1.2)	ND(1.4)	ND(0.66)
Acetone	75	0.02	0.042	0.02	0.025	0.012	ND(0.0092)	0.023	0.0071	0.019	0.017	ND(0.0091)	ND(0.0064)	ND(0.019)	ND(0.0081)	0.0085	ND(1.2)	ND(1.4)	ND(0.66)
Benzene	0.3	ND(0.00055)	ND(0.00058)	ND(0.00046)	ND(0.00052)	ND(0.00038)	ND(0.00046)	ND(0.00039)	ND(0.00035)	ND(0.00038)	ND(0.00036)	ND(0.00045)	ND(0.00032)	ND(0.00095)	ND(0.00041)	ND(0.00037)	ND(0.062)	ND(0.068)	ND(0.033)
Bromobenzene	NS	ND(0.0022)	ND(0.0023)	ND(0.0018)	ND(0.0021)	ND(0.0015)	ND(0.0018)	ND(0.0016)	ND(0.0014)	ND(0.0015)	ND(0.0014)	ND(0.0018)	ND(0.0013)	ND(0.0038)	ND(0.0016)	ND(0.0015)	ND(0.25)	ND(0.27)	ND(0.13)
Bromochloromethane	NS	ND(0.0022)	ND(0.0023)	ND(0.0018)	ND(0.0021)	ND(0.0015)	ND(0.0018)	ND(0.0016)	ND(0.0014)	ND(0.0015)	ND(0.0014)	ND(0.0018)	ND(0.0013)	ND(0.0038)	ND(0.0016)	ND(0.0015)	ND(0.25)	ND(0.27)	ND(0.13)
Bromodichloromethane	0.1	ND(0.00055)	ND(0.00058)	ND(0.00046)	ND(0.00052)	ND(0.00038)	ND(0.00046)	ND(0.00039)	ND(0.00035)	ND(0.00038)	ND(0.00036)	ND(0.00045)	ND(0.00032)	ND(0.00095)	ND(0.00041)	ND(0.00037)	ND(0.062)	ND(0.068)	ND(0.033)
Bromoform	0.1	ND(0.0044)	ND(0.0047)	ND(0.0036)	ND(0.0041)	ND(0.003)	ND(0.0037)	ND(0.0031)	ND(0.0028)	ND(0.0031)	ND(0.0029)	ND(0.0036)	ND(0.0026)	ND(0.0076)	ND(0.0032)	ND(0.003)	ND(0.5)	ND(0.55)	ND(0.26)
Bromomethane	0.3	ND(0.0022)	ND(0.0023)	ND(0.0018)	ND(0.0021)	ND(0.0015)	ND(0.0018)	ND(0.0016)	ND(0.0014)	ND(0.0015)	ND(0.0014)	ND(0.0018)	ND(0.0013)	ND(0.0038)	ND(0.0016)	ND(0.0015)	ND(0.25)	ND(0.27)	ND(0.13)
Carbon disulfide	460	ND(0.011)	ND(0.012)	ND(0.0091)	ND(0.01)	ND(0.0076)	ND(0.0092)	ND(0.0078)	ND(0.0071)	ND(0.0076)	ND(0.0072)	ND(0.0091)	ND(0.0064)	ND(0.019)	ND(0.0081)	ND(0.0074)	ND(1.2)	ND(1.4)	ND(0.66)
Carbon tetrachloride	12	ND(0.0011)	ND(0.0012)	ND(0.00091)	ND(0.001)	ND(0.00076)	ND(0.00092)	ND(0.00078)	ND(0.00071)	ND(0.00076)	ND(0.00072)	ND(0.00091)	ND(0.00064)	ND(0.0019)	ND(0.00081)	ND(0.00074)	ND(0.12)	ND(0.14)	ND(0.066)
Chlorobenzene	NS	ND(0.00055)	ND(0.00058)	ND(0.00046)	ND(0.00052)	ND(0.00038)	ND(0.00046)	ND(0.00039)	ND(0.00035)	ND(0.00038)	ND(0.00036)	ND(0.00045)	ND(0.00032)	ND(0.00095)	ND(0.00041)	ND(0.00037)	ND(0.062)	ND(0.068)	ND(0.033)
Chloroethane	NS	ND(0.0022)	ND(0.0023)	ND(0.0018)	ND(0.0021)	ND(0.0015)	ND(0.0018)	ND(0.0016)	ND(0.0014)	ND(0.0015)	ND(0.0014)	ND(0.0018)	ND(0.0013)	ND(0.0038)	ND(0.0016)	ND(0.0015)	ND(0.25)	ND(0.27)	ND(0.13)
Chloroform	3	ND(0.0016)	ND(0.0018)	ND(0.0014)	ND(0.0015)	ND(0.001)	ND(0.0014)	ND(0.0012)	ND(0.001)	ND(0.0011)	ND(0.0014)	ND(0.0014)	ND(0.00096)	ND(0.0028)	ND(0.0012)	ND(0.0011)	ND(0.19)	ND(0.2)	ND(0.099)
Chloromethane	3	ND(0.0044)	ND(0.0047)	ND(0.0036)	ND(0.0041)	ND(0.003)	ND(0.0037)	ND(0.0031)	ND(0.0028)	ND(0.0031)	ND(0.0029)	ND(0.0036)	ND(0.0026)	ND(0.0076)	ND(0.0032)	ND(0.003)	ND(0.5)	ND(0.55)	ND(0.26)
Dibromochloromethane	1	ND(0.0011)	ND(0.0012)	ND(0.00091)	ND(0.001)	ND(0.00076)	ND(0.00092)	ND(0.00078)	ND(0.00071)	ND(0.00076)	ND(0.00072)	ND(0.00091)	ND(0.00064)	ND(0.0019)	ND(0.00081)	ND(0.00074)	ND(0.12)	ND(0.14)	ND(0.066)
Dibromomethane	NS	ND(0.0022)	ND(0.0023)	ND(0.0018)	ND(0.0021)	ND(0.0015)	ND(0.0018)	ND(0.0016)	ND(0.0014)	ND(0.0015)	ND(0.0014)	ND(0.0018)	ND(0.0013)	ND(0.0038)	ND(0.0016)	ND(0.0015)	ND(0.25)	ND(0.27)	ND(0.13)
Dichlorodifluoromethane	1,000	ND(0.011)	ND(0.012)	ND(0.0091)	ND(0.01)	ND(0.0076)	ND(0.0092)	ND(0.0078)	ND(0.0071)	ND(0.0076)	ND(0.0072)	ND(0.0091)	ND(0.0064)	ND(0.019)	ND(0.0081)	ND(0.0074)	ND(1.2)	ND(1.4)	ND(0.66)
Ethyl ether	NS	ND(0.0022)	ND(0.0023)	ND(0.0018)	ND(0.0021)	ND(0.0015)	ND(0.0018)	ND(0.0016)	ND(0.0014)	ND(0.0015)	ND(0.0014)	ND(0.0018)	ND(0.0013)	ND(0.0038)	ND(0.0016)	ND(0.0015)	ND(0.25)	ND(0.27)	ND(0.13)
Ethyl-Tert-Butyl-Ether	0.7	ND(0.0022)	ND(0.0023)	ND(0.0018)	ND(0.0021)	ND(0.0015)	ND(0.0018)	ND(0.0016)	ND(0.0014)	ND(0.0015)	ND(0.0014)	ND(0.0018)	ND(0.0013)	ND(0.0038)	ND(0.0016)	ND(0.0015)	ND(0.25)	ND(0.27)	ND(0.13)
Ethylbenzene	120	ND(0.0011)	ND(0.0012)	ND(0.00091)	ND(0.001)	ND(0.00076)	ND(0.00092)	ND(0.00078)	ND(0.00071)	ND(0.00076)	ND(0.00072)	ND(0.00091)	ND(0.00064)	ND(0.0019)	ND(0.00081)	ND(0.00074)	ND(0.12)	ND(0.14)	ND(0.066)
Hexachlorobutadiene	17	ND(0.0044)	ND(0.0047)	ND(0.0036)	ND(0.0041)	ND(0.003)	ND(0.0037)	ND(0.0031)	ND(0.0028)	ND(0.0031)	ND(0.0029)	ND(0.0036)	ND(0.0026)	ND(0.0076)	ND(0.0032)	ND(0.003)	ND(0.5)	ND(0.55)	ND(0.26)
Isopropyl Ether	NS	ND(0.0022)	ND(0.0023)	ND(0.0018)	ND(0.0021)	ND(0.0015)	ND(0.0018)	ND(0.0016)	ND(0.0014)	ND(0.0015)	ND(0.0014)	ND(0.0018)	ND(0.0013)	ND(0.0038)	ND(0.0016)	ND(0.0015)	ND(0.25)	ND(0.27)	ND(0.13)
Isopropylbenzene	330	ND(0.0011)	ND(0.0012)	ND(0.00091)	ND(0.001)	ND(0.00076)	ND(0.00092)	ND(0.00078)	ND(0.00071)	ND(0.00076)	ND(0.00072)	ND(0.00091)	ND(0.00064)	ND(0.0019)	ND(0.00081)	ND(0.00074)	ND(0.12)	ND(0.14)	ND(0.066)
Methyl tert butyl ether	0.2	ND(0.0022)	ND(0.0023)	ND(0.0018)	ND(0.0021)	ND(0.0015)	ND(0.0018)	ND(0.0016)	ND(0.0014)	ND(0.0015)	ND(0.0014)	ND(0.0018)	ND(0.0013)	ND(0.0038)	ND(0.0016)	ND(0.0015)	ND(0.25)	ND(0.27)	ND(0.13)
Methylene chloride	0.1	ND(0.0055)	ND(0.0058)	ND(0.0046)	ND(0.0052)	ND(0.0038)	ND(0.0046)	ND(0.0039)	ND(0.0035)	ND(0.0038)	ND(0.0036)	ND(0.0045)	ND(0.0032)	ND(0.0095)	ND(0.0041)	ND(0.0037)	ND(0.62)	ND(0.68)	ND(0.33)
Naphthalene	5	ND(0.0044)	ND(0.0047)	ND(0.0036)	ND(0.0041)	ND(0.003)	ND(0.0037)	ND(0.0031)	ND(0.0028)	ND(0.0031)	ND(0.0029)	ND(0.0036)	ND(0.0026)	ND(0.0076)	ND(0.0032)	ND(0.003)	ND(0.5)	ND(0.55)	ND(0.26)
Styrene	17	ND(0.0011)	ND(0.0012)	ND(0.00091)	ND(0.001)	ND(0.00076)	ND(0.00092)	ND(0.00078)	ND(0.00071)	ND(0.00076)	ND(0.00072)	ND(0.00091)	ND(0.00064)	ND(0.0019)	ND(0.00081)	ND(0.00074)	ND(0.12)	ND(0.14)	ND(0.066)
Tert-Butyl Alcohol	2	ND(0.022)	0.028	0.049	0.052	ND(0.015)	0.055	ND(0.016)	ND(0.014)	ND(0.015)	ND(0.014)	ND(0.018)	ND(0.013)	ND(0.038)	ND(0.016)	ND(0.015)	ND(2.5)	ND(2.7)	ND(1.3)
Tertiary-Amyl Methyl Ether	3	ND(0.0022)	ND(0.0023)	ND(0.0018)	ND(0.0021)	ND(0.0015)	ND(0.0018)	ND(0.0016)	ND(0.0014)	ND(0.0015)	ND(0.0014)	ND(0.0018)	ND(0.0013)	ND(0.0038)	ND(0.0016)	ND(0.0015)	ND(0.25)	ND(0.27)	ND(0.13)
Tetrachloroethene	2	ND(0.00055)	ND(0.00058)	ND(0.00046)	ND(0.00052)	ND(0.00038)	ND(0.00046)	ND(0.00039)	ND(0.00035)	ND(0.00038)	ND(0.00036)	ND(0.00045)	ND(0.00032)	ND(0.00095)	ND(0.00041)	ND(0.00037)	ND(0.062)	ND(0.068)	ND(0.033)
Tetrahydrofuran	NS	ND(0.0044)	ND(0.0047)	ND(0.0036)	ND(0.0041)	ND(0.003)	ND(0.0037)	ND(0.0031)	ND(0.0028)	ND(0.0031)	ND(0.0029)	ND(0.0036)	ND(0.0026)	ND(0.0076)	ND(0.0032)	ND(0.003)	ND(0.5)	ND(0.55)	ND(0.26)
Toluene	100	ND(0.0011)	ND(0.0012)	ND(0.00091)	ND(0.001)	ND(0.00076)	ND(0.00092)	ND(0.00078)	ND(0.00071)	ND(0.00076)	ND(0.00072)	ND(0.00091)	ND(0.00064)	ND(0.0019)	ND(0.00081)	ND(0.00074)	ND(0.12)	ND(0.14)	ND(0.066)
Trichloroethene	0.8	ND(0.00055)	ND(0.00058)	ND(0.00046)	ND(0.00052)	ND(0.00038)	ND(0.00046)	ND(0.00039)	ND(0.00035)	ND(0.00038)	ND(0.00036)	0.017	0.02	ND(0.00095)	ND(0.00041)	ND(0.00037)	ND(0.062)	ND(0.068)	0.67
Trichlorofluoromethane	1,000	ND(0.0044)	ND(0.0047)	ND(0.0036)	ND(0.0041)	ND(0.003)	ND(0.0037)	ND(0.0031)	ND(0.0028)	ND(0.0031)	ND(0.0029)	ND(0.0036)	ND(0.0026)	ND(0.0076)	ND(0.0032)	ND(0.003)	ND(0.5)	ND(0.55)	ND(0.26)
Vinyl chloride	1	0.0015	ND(0.0012)	ND(0.00091)	ND(0.001)	ND(0.00076)	ND(0.00092)	ND(0.00078)	ND(0.00071)	ND(0.00076)	ND(0.00072)	ND(0.00091)	0.00069	ND(0.0019)	ND(0.00081)	ND(0.00074)	0.74	0.71	ND(0.066)
o-Xylene	NS	ND(0.0011)	ND(0.0012)	ND(0.00091)	ND(0.001)	ND(0.00076)	ND(0.00092)	ND(0.00078)	ND(0.00071)	ND(0.00076)	ND(0.00072)	ND(0.00091)	ND(0.00064)	ND(0.0019)	ND(0.00081)	ND(0.00074)	ND(0.12)	ND(0.14)	ND(0.066)
p/m-Xylene	NS	ND(0.0022)	ND(0.0023)	ND(0.0018)	ND(0.0021)	ND(0.0015)	ND(0.0018)	ND(0.0016)	ND(0.0014)	ND(0.0015)	ND(0.0014)	ND(0.0018)	ND(0.0013)	ND(0.0038)	ND(0.0016)	ND(0.0015)	ND(0.25)	ND(0.27)	ND(0.13)
Xylenes, Total	500	ND(0.0011)	ND(0.0012)	ND(0.00091)	ND(0.001)	ND(0.00076)	ND(0.00092)	ND(0.00078)	ND(0.00071)	ND(0.00076)	ND(0.00072)	ND(0.00091)	ND(0.00064)	ND(0.0019)	ND(0.00081)	ND(0.00074)	ND(0.12)	ND(0.14)	ND(0.066)
n-Butylbenzene	110	ND(0.0011)	ND(0.0012)	ND(0.00091)	ND(0.001)	ND(0.00076)	ND(0.00092)	ND(0.00078)	ND(0.00071)	ND(0.00076)	ND(0.00072)	ND(0.00091)	ND(0.00064)	ND(0.0019)	ND(0.00081)	ND(0.00074)	ND(0.12)	ND(0.14)	ND(0.066)
n-Propylbenzene	85	ND(0.0011)	ND(0.0012)	ND(0.00091)	ND(0.001)	ND(0.00076)	ND(0.00092)	ND(0.00078)	ND(0.00071)	ND(0.00076)	ND(0.00072)	ND(0.00091)	ND(0.00064)	ND(0.0019)	ND(0.00081)	ND(0.00074)	ND(0.12)	ND(0.14)	ND(0.066)
o-Chlorotoluene	15	ND(0.0022)	ND(0.0023)	ND(0.0018)	ND(0.0021)	ND(0.0015)	ND(0.0018)	ND(0.0016)	ND(0.0014)	ND(0.0015)	ND(0.0014)	ND(0.0018)	ND(0.0013)	ND(0.0038)	ND(0.0016)	ND(0.0015)	ND(0.25)	ND(0.27)	ND(0.13)
p-Chlorotoluene	680	ND(0.0022)	ND(0.0023)	ND(0.0018)	ND(0.0021)	ND(0.0015)	ND(0.0018)	ND(0.0016)	ND(0.0014)	ND(0.0015)	ND(0.0014)	ND(0.0018)	ND(0.0013)	ND(0.0038)	ND(0.0016)	ND(0.0015)	ND(0.25)	ND(0.27)	ND(0.13)
p-Isopropyltoluene	NS	ND(0.0011)	ND(0.0012)	ND(0.00091)	ND(0.001)	ND(0.00076)	ND(0.00092)	ND(0.00078)	ND(0.00071)	ND(0.00076)	ND(0.00072)	ND(0.00091)	ND(0.00064)	ND(0.0019)	ND(0.00081)	ND(0.00074)	ND(0.12)	ND(0.14)	ND(0.066)
sec-Butylbenzene	130	ND(0.0011)	ND(0.0012)	ND(0.00091)	ND(0.001)	ND(0.00076)	ND(0.00092)	ND(0.00078)	ND(0.00071)	ND(0.00076)	ND(0.00072)	ND(0.00091)	ND(0.00064)	ND(0.0019)	ND(0.00081)	ND(0.00074)	ND(0.12)	ND(0.14)	ND(0.066)
tert-Butylbenzene	100	ND(0.0022)	ND(0.0023)	ND(0.0018)	ND(0.0021)	ND(0.0015)	ND(0.0018)	ND(0.0016)	ND(0.0014)	ND(0.0015)	ND(0.0014)	ND(0.0018)	ND(0.0013)	ND(0.0038)	ND(0.0016)	ND(0.0015)	ND(0.25)	ND(0.27)	ND(0.13)
Gasoline Range Organics	10,000	--	--	--	--	--	--	--	ND(5.4)	ND(5.9)	ND(5.9)	--	--	--	--	--	--	--	--
Diesel Range Organics	10,000	--	--	--	--	--	--	--	ND(38.3)	ND(38.8)	ND(37.9)	--	--	--	--	--	--	--	--
Grain Size Analysis																			
% Coarse Gravel	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.1
% Coarse Sand	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.1
% Fine Gravel	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.1
% Fine Sand	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	89.1
% Medium Sand	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.3
% Total Fines	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10.6
% Total Gravel	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.1
% Total Sand	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	89.4
% Cobbles	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.1
Other Analyses																			
Solids, Total (%)	NA	77.6	81.2	80.6	89	84	80.6	77.3	84.8	84.4	86.4	76.4	87.3	75.8	78	77.8	77.4	76.9	75.2
Total Organic Carbon (%)	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.248

TABLE 2
SUMMARY OF SOIL ANALYTICAL DATA
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Location Identification		UW19-01U	UW19-02U	SB19-09	SB19-10	SB19-10	SB19-11	SB19-11	SB19-12	SB19-12	SB19-12	SB19-13	SB19-15	SB19-16	SB19-17	SB19-18	SB19-19	SB19-20	SB19-21	SB19-22	SB19-23	SB19-24	SB19-25	SB19-26	SB19-27	SB19-28	SB19-28	SB19-29	SB19-30	SB19-30	SB19-31	SB19-32	SB19-33	SB19-34	SB19-35	SB19-36
Sample Identification		SB19-07	SB19-08	SB19-09	SB19-10	SB19-10	SB19-11	SB19-11	SB19-12	SB19-12	SB19-12	SB19-13	SB19-15	SB19-16	SB19-17	SB19-18	SB19-19	SB19-20	SB19-21	SB19-22	SB19-23	SB19-24	SB19-25	SB19-26	SB19-27	SB19-28	SB19-28	SB19-29	SB19-30	SB19-30	SB19-31	SB19-32	SB19-33	SB19-34	SB19-35	SB19-36
Hydrogeologic Unit	NHDES Soil	SCU	USU	USU	USU	SCU	USU	USU	USU	USU	USU	SCU	USU	USU	USU	USU	USU	USU	USU	USU	USU	USU	USU	USU	USU	USU	USU	USU	USU	USU	USU	USU	USU	USU	USU	USU
Depth (feet)	Remediation	12.8-14.8	7-9	19-20	0-1.75	17.5-20	10-12.2	32-34	0-1.9	12.5-15	27.5-30	10-10.5	10-11	15-16.5	15-15.5	10-11.5	17-19	17.5-20	5-7	5-7.5	7-9	7-9	12.5-15	10-12.5	11.5-13	1.75-3	10-12	12.25-14.5	12.5-15	12.5-15 DUP	20-22	17-19	15-17.25	20-22.5	22.25-24.5	16.75-18.5
Sample Date	Standards	7/9/2019	7/9/2019	7/9/2019	7/10/2019	7/10/2019	7/10/2019	7/10/2019	7/10/2019	7/10/2019	7/10/2019	7/10/2019	7/11/2019	7/11/2019	7/11/2019	7/11/2019	7/11/2019	7/12/2019	7/12/2019	7/12/2019	7/12/2019	7/12/2019	7/12/2019	7/15/2019	7/15/2019	7/15/2019	7/15/2019	7/15/2019	7/15/2019	7/15/2019	7/15/2019	7/16/2019	7/16/2019	7/16/2019	7/16/2019	7/16/2019
Volatile Organic Compounds by 8260C (mg/kg)		8260 low	8260 high	8260 low	8260 low	8260 low	8260 low	8260 low	8260 high	8260 low	8260 low	8260 low	8260 low	8260 low	8260 low	8260 low	8260 low	8260 low	8260 low	8260 low	8260 low	8260 low	8260 high	8260 high	8260 high	8260 low	8260 high	8260 high	8260 low	8260 low	8260 high	8260 low	8260 high	8260 low	8260 low	8260 low
1,1,1,2-Tetrachloroethane	0.8	ND(0.00045)	ND(0.068)	ND(0.0004)	ND(0.00041)	ND(0.0004)	ND(0.0004)	ND(0.00036)	ND(0.062)	ND(0.00037)	--	ND(0.0004)	ND(0.00034)	ND(0.00034)	ND(0.00034)	ND(0.00034)	ND(0.0003)	ND(0.00035)	ND(0.00034)	ND(0.00042)	ND(0.00035)	ND(0.00034)	ND(0.00049)	ND(0.00039)	ND(0.00038)	ND(0.071)	ND(0.027)	ND(0.028)	ND(0.00043)	ND(0.03)	ND(0.028)	ND(0.00038)	ND(0.027)	ND(0.00036)	ND(0.028)	ND(0.00042)	ND(0.028)	ND(0.00038)	ND(0.00039)	ND(0.00032)
1,1,1-Trichloroethane	78	0.0015	ND(0.068)	ND(0.0004)	ND(0.00041)	ND(0.0004)	ND(0.0004)	ND(0.00036)	ND(0.062)	ND(0.00037)	--	ND(0.0004)	ND(0.00034)	ND(0.00034)	ND(0.00034)	ND(0.00034)	ND(0.0003)	ND(0.00035)	ND(0.00034)	ND(0.00042)	ND(0.00035)	ND(0.00034)	ND(0.00049)	0.0018	ND(0.00038)	2.4	0.083	0.5	0.0058	0.17	0.046	0.022	0.034	0.003	ND(0.028)	0.018	0.071	ND(0.00038)	ND(0.00039)	ND(0.00032)
1,1,2,2-Tetrachloroethane	4	ND(0.00045)	ND(0.068)	ND(0.0004)	ND(0.00041)	ND(0.0004)	ND(0.0004)	ND(0.00036)	ND(0.062)	ND(0.00037)	--	ND(0.0004)	ND(0.00034)	ND(0.00034)	ND(0.00034)	ND(0.00034)	ND(0.0003)	ND(0.00035)	ND(0.00034)	ND(0.00042)	ND(0.00035)	ND(0.00034)	ND(0.00049)	ND(0.00039)	ND(0.00038)	ND(0.071)	ND(0.027)	ND(0.028)	ND(0.00043)	ND(0.03)	ND(0.028)	ND(0.00038)	ND(0.027)	ND(0.00036)	ND(0.028)	ND(0.00042)	ND(0.028)	ND(0.00038)	ND(0.00039)	ND(0.00032)
1,1,2-Trichloroethane	0.1	ND(0.00091)	ND(0.14)	ND(0.00081)	ND(0.00082)	ND(0.00079)	ND(0.0008)	ND(0.00072)	ND(0.12)	ND(0.00075)	--	ND(0.00079)	ND(0.00068)	ND(0.00067)	ND(0.00068)	ND(0.0006)	ND(0.0007)	ND(0.00068)	ND(0.00084)	ND(0.0007)	ND(0.00068)	ND(0.00098)	ND(0.00077)	ND(0.00077)	ND(0.14)	ND(0.055)	ND(0.055)	ND(0.00086)	ND(0.059)	ND(0.055)	ND(0.00077)	ND(0.054)	ND(0.00073)	ND(0.057)	ND(0.00083)	ND(0.056)	ND(0.00076)	ND(0.00078)	ND(0.00063)
1,1-Dichloroethane	3	0.02	ND(0.14)	ND(0.00081)	ND(0.00082)	ND(0.00079)	ND(0.0008)	ND(0.00072)	ND(0.12)	ND(0.00075)	--	ND(0.00079)	ND(0.00068)	ND(0.00067)	ND(0.00068)	ND(0.0006)	ND(0.0007)	ND(0.00068)	ND(0.00084)	ND(0.0007)	ND(0.00068)	ND(0.00098)	0.0036	ND(0.00077)	ND(0.14)	ND(0.055)	ND(0.055)	0.0044	ND(0.059)	ND(0.055)	0.017	0.054	0.043	0.06	0.0068	ND(0.056)	ND(0.00076)	ND(0.00078)	ND(0.00063)
1,1-Dichloroethene	14	0.0035	ND(0.14)	ND(0.00081)	ND(0.00082)	ND(0.00079)	ND(0.0008)	ND(0.00072)	ND(0.12)	ND(0.00075)	--	ND(0.00079)	ND(0.00068)	ND(0.00067)	ND(0.00068)	ND(0.0006)	ND(0.0007)	ND(0.00068)	ND(0.00084)	ND(0.0007)	ND(0.00068)	ND(0.00098)	ND(0.00077)	ND(0.00077)	ND(0.14)	ND(0.055)	ND(0.055)	ND(0.00086)	ND(0.059)	ND(0.055)	0.0011	ND(0.054)	ND(0.00073)	ND(0.057)	ND(0.00083)	ND(0.056)	ND(0.00076)	ND(0.00078)	ND(0.00063)
1,1-Dichloropropene	NS	ND(0.00045)	ND(0.068)	ND(0.0004)	ND(0.00041)	ND(0.0004)	ND(0.0004)	ND(0.00036)	ND(0.062)	ND(0.00037)	--	ND(0.0004)	ND(0.00034)	ND(0.00034)	ND(0.00034)	ND(0.00034)	ND(0.0003)	ND(0.00035)	ND(0.00034)	ND(0.00042)	ND(0.00035)	ND(0.00034)	ND(0.00049)	ND(0.00039)	ND(0.00038)	ND(0.071)	ND(0.027)	ND(0.028)	ND(0.00043)	ND(0.03)	ND(0.028)	ND(0.00038)	ND(0.027)	ND(0.00036)	ND(0.028)	ND(0.00042)	ND(0.028)	ND(0.00038)	ND(0.00039)	ND(0.00032)
1,2,3-Trichlorobenzene	NS	ND(0.0018)	ND(0.27)	ND(0.0016)	ND(0.0016)	ND(0.0016)	ND(0.0016)	ND(0.0014)	ND(0.25)	ND(0.0015)	--	ND(0.0016)	ND(0.0014)	ND(0.0013)	ND(0.0014)	ND(0.0012)	ND(0.0014)	ND(0.0014)	ND(0.0017)	ND(0.0014)	ND(0.0014)	ND(0.002)	ND(0.0015)	ND(0.0015)	ND(0.28)	ND(0.11)	ND(0.11)	ND(0.0017)	ND(0.12)	ND(0.11)	ND(0.0015)	ND(0.11)	ND(0.0015)	ND(0.11)	ND(0.0015)	ND(0.11)	ND(0.0017)	ND(0.11)	ND(0.0015)	ND(0.0016)	ND(0.0013)
1,2,3-Trichloropropane	0.1	ND(0.0018)	ND(0.27)	ND(0.0016)	ND(0.0016)	ND(0.0016)	ND(0.0016)	ND(0.0014)	ND(0.25)	ND(0.0015)	--	ND(0.0016)	ND(0.0014)	ND(0.0013)	ND(0.0014)	ND(0.0012)	ND(0.0014)	ND(0.0014)	ND(0.0017)	ND(0.0014)	ND(0.0014)	ND(0.002)	ND(0.0015)	ND(0.0015)	ND(0.28)	ND(0.11)	ND(0.11)	ND(0.0017)	ND(0.12)	ND(0.11)	ND(0.0015)	ND(0.11)	ND(0.0015)	ND(0.11)	ND(0.0015)	ND(0.11)	ND(0.0017)	ND(0.11)	ND(0.0015)	ND(0.0016)	ND(0.0013)
1,2,4-Trichlorobenzene	19	ND(0.0018)	ND(0.27)	ND(0.0016)	ND(0.0016)	ND(0.0016)	ND(0.0016)	ND(0.0014)	ND(0.25)	ND(0.0015)	--	ND(0.0016)	ND(0.0014)	ND(0.0013)	ND(0.0014)	ND(0.0012)	ND(0.0014)	ND(0.0014)	ND(0.0017)	ND(0.0014)	ND(0.0014)	ND(0.002)	ND(0.0015)	ND(0.0015)	ND(0.28)	ND(0.11)	ND(0.11)	ND(0.0017)	ND(0.12)	ND(0.11)	ND(0.0015)	ND(0.11)	ND(0.0015)	ND(0.11)	ND(0.0015)	ND(0.11)	ND(0.0017)	ND(0.11)	ND(0.0015)	ND(0.0016)	ND(0.0013)
1,2,4-Trimethylbenzene	130	ND(0.0018)	ND(0.27)	ND(0.0016)	ND(0.0016)	ND(0.0016)	ND(0.0016)	ND(0.0014)	ND(0.25)	ND(0.0015)	--	ND(0.0016)	ND(0.0014)	ND(0.0013)	ND(0.0014)	ND(0.0012)	ND(0.0014)	ND(0.0014)	ND(0.0017)	ND(0.0014)	ND(0.0014)	ND(0.002)	ND(0.0015)	ND(0.0015)	ND(0.28)	ND(0.11)	ND(0.11)	ND(0.0017)	ND(0.12)	ND(0.11)	ND(0.0015)	ND(0.11)	0.0018	ND(0.11)	ND(0.0017)	ND(0.11)	ND(0.0015)	0.0016	ND(0.0013)
1,2-Dibromo-3-chloropropane	NS	ND(0.0027)	ND(0.41)	ND(0.0024)	ND(0.0024)	ND(0.0024)	ND(0.0024)	ND(0.0022)	ND(0.37)	ND(0.0022)	--	ND(0.0024)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.0018)	ND(0.0021)	ND(0.002)	ND(0.0025)	ND(0.0021)	ND(0.002)	ND(0.0029)	ND(0.0023)	ND(0.0023)	ND(0.43)	ND(0.16)	ND(0.16)	ND(0.0026)	ND(0.18)	ND(0.16)	ND(0.0023)	ND(0.16)	ND(0.0022)	ND(0.17)	ND(0.0025)	ND(0.17)	ND(0.0023)	ND(0.0023)	ND(0.0019)
1,2-Dibromoethane	0.1	ND(0.00091)	ND(0.14)	ND(0.00081)	ND(0.00082)	ND(0.00079)	ND(0.0008)	ND(0.00072)	ND(0.12)	ND(0.00075)	--	ND(0.00079)	ND(0.00068)	ND(0.00067)	ND(0.00068)	ND(0.0006)	ND(0.0007)	ND(0.00068)	ND(0.00084)	ND(0.0007)	ND(0.00068)	ND(0.00098)	ND(0.00077)	ND(0.00077)	ND(0.14)	ND(0.055)	ND(0.055)	ND(0.00086)	ND(0.059)	ND(0.055)	ND(0.00077)	ND(0.054)	ND(0.00073)	ND(0.057)	ND(0.00083)	ND(0.056)	ND(0.00076)	ND(0.00078)	ND(0.00063)
1,2-Dichlorobenzene	88	ND(0.0018)	ND(0.27)	ND(0.0016)	ND(0.0016)	ND(0.0016)	ND(0.0016)	ND(0.0014)	ND(0.25)	ND(0.0015)	--	ND(0.0016)	ND(0.0014)	ND(0.0013)	ND(0.0014)	ND(0.0012)	ND(0.0014)	ND(0.0014)	ND(0.0017)	ND(0.0014)	ND(0.0014)	ND(0.002)	ND(0.0015)	ND(0.0015)	ND(0.28)	ND(0.11)	ND(0.11)	ND(0.0017)	ND(0.12)	ND(0.11)	ND(0.0015)	ND(0.11)	0.0016	ND(0.11)	ND(0.0017)	ND(0.11)	ND(0.0015)	ND(0.0016)	ND(0.0013)
1,2-Dichloroethane	0.1	ND(0.00091)	ND(0.14)	ND(0.00081)	ND(0.00082)	ND(0.00079)	ND(0.0008)	ND(0.00072)	ND(0.12)	ND(0.00075)	--	ND(0.00079)	ND(0.00068)	ND(0.00067)	ND(0.00068)	ND(0.0006)	ND(0.0007)	ND(0.00068)	ND(0.00084)	ND(0.0007)	ND(0.00068)	ND(0.00098)	ND(0.00077)	ND(0.00077)	ND(0.14)	ND(0.055)	ND(0.055)	ND(0.00086)	ND(0.059)	ND(0.055)	ND(0.00077)	ND(0.054)	ND(0.00073)	ND(0.057)	ND(0.00083)	ND(0.056)	ND(0.00076)	ND(0.00078)	ND(0.00063)
cis-1,2-Dichloroethene	2	0.67 E	1.9	ND(0.00081)	0.016	ND(0.00079)	ND(0.0008)	ND(0.00072)	ND(0.12)	ND(0.00075)	--	0.00096	ND(0.00068)	ND(0.00067)	ND(0.00068)	ND(0.0006)	ND(0.0007)	0.001	ND(0.0007)	0.0011	0.0036	0.15	0.002	**12**	**2.3**	3.2	0.032	**2.9**	1	0.46 E	1.1	0.0013	ND(0.057)	0.14	1.3	0.08	0.11	ND(0.00063)
trans-1,2-Dichloroethene	3	0.0022	ND(0.2)	ND(0.0012)	ND(0.0012)	ND(0.0012)	ND(0.0012)	ND(0.0011)	ND(0.18)	ND(0.0011)	--	ND(0.0012)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.0009)	ND(0.0011)	ND(0.001)	ND(0.0013)	ND(0.001)	ND(0.001)	ND(0.0015)	ND(0.0012)	ND(0.0012)	ND(0.21)	ND(0.082)	ND(0.083)	0.0035	ND(0.088)	ND(0.083)	0.0041	ND(0.081)	0.0042	ND(0.086)	0.0016	0.0048	0.0018	0.0027	ND(0.00063)
1,2-Dichloroethene, Total	NS	1.9	1.9	ND(0.00081)	0.016	ND(0.00079)	ND(0.0008)	ND(0.00072)	ND(0.12)	ND(0.00075)	--	0.00096	ND(0.00068)	ND(0.00067)	ND(0.00068)	ND(0.0006)	ND(0.0007)	ND(0.00068)	0.001	ND(0.0007)	0.0011	0.0036	0.15	0.002	12	2.3	3.2	0.036	2.9	1	1.1	1.1	0.0055	ND(0.057)	ND(0.14)	1.3	0.082	0.11	ND(0.00063)
1,2-Dichloropropane	0.1	ND(0.00091)	ND(0.14)	ND(0.00081)	ND(0.00082)	ND(0.00079)	ND(0.0008)	ND(0.00072)	ND(0.12)	ND(0.00075)	--	ND(0.00079)	ND(0.00068)	ND(0.00067)	ND(0.00068)	ND(0.0006)	ND(0.0007)	ND(0.00068)	ND(0.00084)	ND(0.0007)	ND(0.00068)	ND(0.00098)	ND(0.00077)	ND(0.00077)	ND(0.14)	ND(0.055)	ND(0.055)	ND(0.00086)	ND(0.059)	ND(0.055)	ND(0.00077)	ND(0.054)	ND(0.00073)	ND(0.057)	ND(0.00083)	ND(0.056)	ND(0.00076)	ND(0.00078)	ND(0.00063)
1,3,5-Trichlorobenzene	NS	ND(0.0018)	ND(0.27)	ND(0.0016)	ND(0.0016)	ND(0.0016)	ND(0.0016)	ND(0.0014)	ND(0.25)	ND(0.0015)	--	ND(0.0016)	ND(0.0014)	ND(0.0013)	ND(0.0014)	ND(0.0012)	ND(0.0014)	ND(0.0014)	ND(0.0017)	ND(0.0014)	ND(0.0014)	ND(0.002)	ND(0.0015)	ND(0.0015)	ND(0.28)	ND(0.11)	ND(0.11)	ND(0.0017)	ND(0.12)	ND(0.11)	ND(0.0015)	ND(0.11)	ND(0.0015)	ND(0.11)	ND(0.0015)	ND(0.11)	ND(0.0017)	ND(0.11)	ND(0.0015)	ND(0.0016)	ND(0.0013)
1,3,5-Trimethylbenzene	96	ND(0.0018)	ND(0.27)	ND(0.0016)	ND(0.0016)	ND(0.0016)	ND(0.0016)	ND(0.0014)	ND(0.25)	ND(0.0015)	--	ND(0.0016)	ND(0.0014)	ND(0.0013)	ND(0.0014)	ND(0.0012)	ND(0.0014)	ND(0.0014)	ND(0.0017)	ND(0.0014)	ND(0.0014)	ND(0.002)	ND(0.0015)	ND(0.0015)	ND(0.28)	ND(0.11)	ND(0.11)	ND(0.0017)	ND(0.12)	ND(0.11)	ND(0.0015)	ND(0.11)	ND(0.0015)	ND(0.11)	ND(0.0015)	ND(0.11)	ND(0.0017)	ND(0.11)	ND(0.0015)	ND(0.0016)	ND(0.0013)
1,3-Dichlorobenzene	150	ND(0.0018)	ND(0.27)	ND(0.0016)	ND(0.0016)	ND(0.0016)	ND(0.0016)	ND(0.0014)	ND(0.25)	ND(0.0015)	--	ND(0.0016)	ND(0.0014)	ND(0.0013)	ND(0.0014)	ND(0.0012)	ND(0.0014)	ND(0.0014)	ND(0.0017)	ND(0.0014)	ND(0.0014)	ND(0.002)	ND(0.0015)	ND(0.0015)	ND(0.28)	ND(0.11)	ND(0.11)	ND(0.0017)	ND(0.12)	ND(0.11)	ND(0.0015)	ND(0.11)	ND(0.0015)	ND(0.11)	ND(0.0015)	ND(0.11)	ND(0.0017)	ND(0.11)	ND(0.0015)	ND(0.0016)	ND(0.0013)
cis-1,3-Dichloropropene	NS	ND(0.00045)	ND(0.068)	ND(0.0004)	ND(0.00041)	ND(0.0004)	ND(0.0004)	ND(0.00036)	ND(0.062)	ND(0.00037)	--	ND(0.0004)	ND(0.00034)	ND(0.00034)	ND(0.00034)	ND(0.00034)	ND(0.0003)	ND(0.00035)	ND(0.00034)	ND(0.00042)	ND(0.00035)	ND(0.00034)	ND(0.00049)	ND(0.00039)	ND(0.00038)	ND(0.071)	ND(0.027)	ND(0.028)	ND(0.00043)	ND(0.03)	ND(0.028)	ND(0.00038)	ND(0.027)	ND(0.00036)	ND(0.028)	ND(0.00042)	ND(0.028)	ND(0.00038)	ND(0.00039)	ND(0.00032)
trans-1,3-Dichloropropene	NS	ND(0.00091)	ND(0.14)	ND(0.00081)	ND(0.00082)	ND(0.00079)	ND(0.0008)	ND(0.00072)	ND(0.12)	ND(0.00075)	--	ND(0.00079)	ND(0.00068)	ND(0.00067)	ND(0.00068)	ND(0.0006)	ND(0.0007)	ND(0.00068)	ND(0.00084)	ND(0.0007)	ND(0.00068)	ND(0.00098)	ND(0.00077)	ND(0.00077)	ND(0.14)	ND(0.055)	ND(0.055)	ND(0.00086)	ND(0.059)	ND(0.055)	ND(0.00077)	ND(0.054)	ND(0.00073)	ND(0.057)	ND(0.00083)	ND(0.056)	ND(0.00076)	ND(0.00078)	ND(0.00063)
1,3-Dichloropropene, Total	0.1	ND(0.00045)	ND(0.068)	ND(0.0004)	ND(0.00041)	ND(0.0004)	ND(0.0004)	ND(0.00036)	ND(0.062)	ND(0.00037)	--	ND(0.0004)	ND(0.00034)	ND(0.00034)	ND(0.00034)	ND(0.00034)	ND(0.0003)	ND(0.00035)	ND(0.00034)	ND(0.00042)	ND(0.00035)	ND(0.00034)	ND(0.00049)	ND(0.00039)	ND(0.00038)	ND(0.071)	ND(0.027)	ND(0.028)	ND(0.00043)	ND(0.03)	ND(0.028)	ND(0.00038)	ND(0.027)	ND(0.00036)	ND(0.028)	ND(0.00042)	ND(0.028)	ND(0.00038)	ND(0.00039)	ND(0.00032)
1,4-Dichlorobenzene	7	ND(0.0018)	ND(0.27)	ND(0.0016)	ND(0.0016)	ND(0.0016)	ND(0.0016)	ND(0.0014)	ND(0.25)	ND(0.0015)	--	ND(0.0016)	ND(0.0014)	ND(0.0013)	ND(0.0014)	ND(0.0012)	ND(0.0014)	ND(0.0014)	ND(0.0017)	ND(0.0014)	ND(0.0014)	ND(0.002)	ND(0.0015)	ND(0.0015)	ND(0.28)	ND(0.11)	ND(0.11)	ND(0.0017)	ND(0.12)	ND(0.11)	ND(0.0015)	ND(0.11)	ND(0.0015)	ND(0.11)	ND(0.0017)	ND(0.11)	ND(0.0015)	ND(0.0016)	ND(0.0013)
1,4-Dioxane	5	ND(0.073)	ND(11)	ND(0.065)	ND(0.066)	ND(0.064)	ND(0.064)	ND(0.058)	ND(9.9)	ND(0.06)	--	ND(0.063)	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.048)	ND(0.056)	ND(0.054)	ND(0.067)	ND(0.056)	ND(0.054)	ND(0.078)	ND(0.062)	ND(0.062)	ND(11)	ND(4.4)	ND(4.4)	ND(0.068)	ND(4.7)	ND(4.4)	ND(0.062)	ND(4.3)	ND(0.058)	ND(4.6)	ND(0.067)	ND(4.5)	ND(0.06)	ND(0.062)	ND(0.051)
2,2-Dichloropropane	NS	ND(0.0018)	ND(0.27)	ND(0.0016)	ND(0.0016)	ND(0.0016)	ND(0.0016)	ND(0.0014)	ND(0.25)	ND(0.0015)	--	ND(0.0016)	ND(0.0014)	ND(0.0013)	ND(0.0014)	ND(0.0012)	ND(0.0014)	ND(0.0014)	ND(0.0017)	ND(0.0014)	ND(0.0014)	ND(0.002)	ND(0.0015)	ND(0.0015)	ND(0.28)	ND(0.11)	ND(0.11)	ND(0.0017)	ND(0.12)	ND(0.11)	ND(0.0015)	ND(0.11)	ND(0.0015)	ND(0.11)	ND(0.0015)	ND(0.11)	ND(0.0017)	ND(0.11)	ND(0.0015)	ND(0.0016)	ND(0.0013)
2-Butanone	51	ND(0.0091)	ND(1.4)	ND(0.0081)	ND(0.0082)	ND(0.0079)	ND(0.008)	ND(0.0072)	ND(1.2)	ND(0.0075)	--	ND(0.0079)	ND(0.0068)	ND(0.0067)	ND(0.0068)	ND(0.006)	ND(0.007)	ND(0.0068)	ND(0.0084)	ND(0.007)	ND(0.0068)	0.022	ND(0.0077)	ND(0.0077)	ND(1.4)	ND(0.55)	ND(0.55)	0.0089	ND(0.59)	ND(0.55)	ND(0.0077)	ND(0.54)	ND(0.0073)	ND(0.57)	ND(0.0083)	ND(0.56)	ND(0.0076)	ND(0.0078)	ND(0.0063)
2-Hexanone	NS	ND(0.0091)	ND(1.4)	ND(0.0081)	ND(0.0082)	ND(0.0079)	ND(0.008)	ND(0.0072)	ND(1.2)	ND(0.0075)	--	ND(0.0079)	ND(0.0068)	ND(0.0067)	ND(0.0068)	ND(0.006)	ND(0.007)	ND(0.0068)	ND(0.0084)	ND(0.007)	ND(0.0068)	ND(0.0098)	ND(0.0077)	ND(0.0077)	ND(1.4)	ND(0.55)	ND(0.55)	ND(0.0086)	ND(0.59)	ND(0.55)	ND(0.0077)	ND(0.54)	ND(0.0073)	ND(0.57)	ND(0.0083)	ND(0.56)	ND(0.0076)	ND(0.0078)	ND(0.0063)
4-Methyl-2-pentanone	29	ND(0.0091)	ND(1.4)	ND(0.0081)	ND(0.0082)	ND(0.0079)	ND(0.008)	ND(0.0072)	ND(1.2)	ND(0.0075)	--	ND(0.0079)	ND(0.0068)	ND(0.0067)	ND(0.0068)	ND(0.006)	ND(0.007)	ND(0.0068)	ND(0.0084)	ND(0.007)	ND(0.0068)	ND(0.0098)	ND(0.0077)	ND(0.0077)	ND(1.4)	ND(0.55)	ND(0.55)	ND(0.0086)	ND(0.59)	ND(0.55)	ND(0.0077)	ND(0.54)	ND(0.0073)	ND(0.57)	ND(0.0083)	ND(0.56)	ND(0.0076)	ND(0.0078)	ND(0.0063)
Acetone	75	ND(0.0091)	ND(1.4)	ND(0.0081)	ND(0.0082)	ND(0.0079)	ND(0.008)	0.022	ND(1.2)	ND(0.0075)	--	ND(0.0079)	0.014	ND(0.0067)	0.032	0.014	ND(0.007)	0.028	ND(0.0084)	ND(0.007)	0.012	0.076	0.013	ND(0.0077)	ND(1.4)	ND(0.55)	ND(0.55)	0.047	ND(0.59)	ND(0.55)	0.0088	ND(0.54)	0.012	ND(0.57)	ND(0.0083)	ND(0.56)	ND(0.0076)	ND(0.0078)	0.0063
Benzene	0.3	0.0005	ND(0.068)	ND(0.0004)	ND(0.00041)	ND(0.0004)	ND(0.0004)	ND(0.00036)	ND(0.062)	ND(0.00037)	--	ND(0.0004)	ND(0.00034)	ND(0.00034)	ND(0.00034)	ND(0.00034)	ND(0.0003)	ND(0.00035)	ND(0.00034)	ND(0.00042)	ND(0.00035)	ND(0.00034)	ND(0.00049)	ND(0.00039)	ND(0.00038)	ND(0.071)	ND(0.027)	ND(0.028)	ND(0.00043)	ND(0.03)	ND(0.028)	ND(0.00038)	ND(0.027)	ND(0.00036)	ND(0.028)	ND(0.00042)	ND(0.028)	ND(0.00038)	ND(0.00039)	ND(0.00032)
Bromobenzene	NS	ND(0.0018)	ND(0.27)	ND(0.0016)	ND(0.0016)	ND(0.0016)	ND(0.0016)	ND(0.0014)	ND(0.25)	ND(0.0015)	--	ND(0.0016)	ND(0.0014)	ND(0.0013)	ND(0.0014)	ND(0.0012)	ND(0.0014)	ND(0.0014)	ND(0.0017)	ND(0.0014)	ND(0.0014)	ND(0.002)	ND(0.0015)	ND(0.0015)	ND(0.28)	ND(0.11)	ND(0.11)	ND(0.0017)	ND(0.12)	ND(0.11)	ND(0.0015)	ND(0.11)	ND(0.0015)	ND(0.11)	ND(0.0015)	ND(0.11)	ND(0.0017)	ND(0.11)	ND(0.0015)	ND(0.0016)	ND(0.0013)
Bromochloromethane	NS	ND(0.0018)	ND(0.27)	ND(0.0016)	ND(0.0016)	ND(0.0016)	ND(0.0016)	ND(0.0014)	ND(0.25)	ND(0.0015)	--	ND(0.0016)	ND(0.0014)	ND(0.0013)	ND(0.0014)	ND(0.0012)	ND(0.0014)	ND(0.0014)	ND(0.0017)	ND(0.0014)	ND(0.0014)	ND(0.002)	ND(0.0015)	ND(0.0015)	ND(0.28)	ND(0.11)	ND(0.11)	ND(0.0017)	ND(0.12)	ND(0.11)	ND(0.0015)	ND(0.11)	ND(0.0015)	ND(0.11)	ND(0.0015)	ND(0.11)	ND(0.0017)	ND(0.11)	ND(0.0015)	ND(0.0016)	ND(0.0013)
Bromodichloromethane	0.1	ND(0.00045)	ND(0.068)	ND(0.0004)	ND(0.00041)	ND(0.0004)	ND(0.0004)	ND(0.00036)	ND(0.062)	ND(0.00037)	--	ND(0.0004)	ND(0.00034)	ND(0.00034)	ND(0.00034)	ND(0.00034)	ND(0.0003)	ND(0.00035)	ND(0.00034)	ND(0.00042)	ND(0.00035)	ND(0.00034)	ND(0.00049)	ND(0.00039)	ND(0.00038)	ND(0.071)	ND(0.027)	ND(0.028)	ND(0.00043)	ND(0.03)	ND(0.028)	ND(0.00038)	ND(0.027)	ND(0.00036)	ND(0.028)	ND(0.00042)	ND(0.028)	ND(0.00038)	ND(0.00039)	ND(0.00032)
Bromoform	0.1	ND(0.0036)	ND(0.55)	ND(0.0032)	ND(0.0033)	ND(0.0032)	ND(0.0032)	ND(0.0029)	ND(0.5)	ND(0.003)	--	ND(0.0032)	ND(0.0027)	ND(0.0027)	ND(0.0027)	ND(0.0024)	ND(0.0028)	ND(0.0027)	ND(0.0034)	ND(0.0028)	ND(0.0027)	ND(0.0039)	ND(0.0031)	ND(0.0031)	ND(0.57)	ND(0.22)	ND(0.22)	ND(0.0034)	ND(0.24)	ND(0.22)	ND(0.0031)	ND(0.22)	ND(0.0029)	ND(0.23)	ND(0.0033)	ND(0.22)	ND(0.003)	ND(0.0031)	ND(0.0025)
Bromomethane	0.3	ND(0.0018)	ND(0.27)	ND(0.0016)	ND(0.0016)	ND(0.0016)	ND(0.0016)	ND(0.0014)	ND(0.25)	ND(0.0015)	--	ND(0.0016)	ND(0.0014)	ND(0.0013)	ND(0.0014)	ND(0.0012)	ND(0.0014)	ND(0.0014)	ND(0.0017)	ND(0.0014)	ND(0.0014)	ND(0.002)	ND(0.0015)	ND(0.0015)	ND(0.28)	ND(0.11)	ND(0.11)	ND(0.0017)	ND(0.12)	ND(0.11)	ND(0.0015)	ND(0.11)	ND(0.0015)	ND(0.11)	ND(0.0015)	ND(0.11)	ND(0.0017)	ND(0.11)	ND(0.0015)	ND(0.0016)	ND(0.0013)
Carbon disulfide	460	ND(0.0091)	ND(1.4)	ND(0.0081)	ND(0.0082)	ND(0.0079)	ND(0.008)	ND(0.0072)	ND(1.2)	ND(0.0075)	--	ND(0.0079)	ND(0.0068)	ND(0.0067)	ND(0.0068)	ND(0.006)	ND(0.007)	ND(0.0068)	ND(0.0084)	ND(0.007)	ND(0.0068)	ND(0.0098)	ND(0.0077)	ND(0.0077)	ND(1.4)	ND(0.55)	ND(0.55)	ND(0.0086)	ND(0.59)	ND(0.55)	ND(0.0077)	ND(0.54)	ND(0.0073)	ND(0.57)	ND(0.0083)	ND(0.56)	ND(0.0076)	ND(0.0078)	ND(0.0063)
Carbon tetrachloride	12	ND(0.00091)	ND(0.14)	ND(0.00081)	ND(0.00082)	ND(0.00079)	ND(0.0008)	ND(0.00072)	ND(0.12)	ND(0.00075)	--	ND(0.00079)	ND(0.00068)	ND(0.00067)	ND(0.00068)	ND(0.0006)	ND(0.0007)	ND(0.00068)	ND(0.00084)	ND(0.0007)	ND(0.00068)	ND(0.00098)	ND(0.00077)	ND(0.00077)	ND(0.14)	ND(0.055)	ND(0.055)	ND(0.00086)	ND(0.059)	ND(0.055)	ND(0.00077)	ND(0.054)	ND(0.00073)	ND(0.057)	ND(0.00083)	ND(0.056)	ND(0.00076)	ND(0.00078)	ND(0.00063)
Chlorobenzene	NS	ND(0.00045)	ND(0.068)	ND(0.0004)	ND(0.00041)	ND(0.0004)	ND(0.0004)	ND(0.00036)	ND(0.062)	ND(0.00037)	--	ND(0.0004)	ND(0.00034)	ND(0.00034)	ND(0.00034)	ND(0.00034)	ND(0.0003)	ND(0.00035)	ND(0.00034)	ND(0.00042)	ND(0.00035)	ND(0.00034)	ND(0.00049)	ND(0.00039)	ND(0.00038)	ND(0.071)	ND(0.027)	ND(0.028)	ND(0.00043)	ND(0.03)	ND(0.028)	ND(0.00038)	ND(0.027)	ND(0.00036)	ND(0.028)	ND(0.00042)	ND(0.028)	ND(0.00038)	ND(0.00039)	ND(0.00032)
Chloroethane	NS	0.005	ND(0.27)	ND(0.0016)	ND(0.0016)	ND(0.0016)	ND(0.0016)	ND(0.0014)	ND(0.25)	ND(0.0015)	--	ND(0.0016)	ND(0.0014)	ND(0.0013)	ND(0.0014)	ND(0.0012)	ND(0.0014)	ND(0.0014)	ND(0.0017)	ND(0.0014)	ND(0.0014)	ND(0.002)	ND(0.0015)	ND(0.0015)	ND(0.28)	ND(0.11)	ND(0.11)	ND(0.0017)	ND(0

TABLE 2
SUMMARY OF SOIL ANALYTICAL DATA
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Location Identification		SB19-37	SB19-38		SB19-39		SB19-40	SB19-41	SB19-41	SB19-42	SB19-43	SB19-43	SB19-44	SB19-44	SB19-45		SB19-45	SB19-46	SB19-47	SB19-48	SB19-49	SB19-50	SB19-50	SB19-50	SB19-51	SB19-51	SB19-52	SB19-53	SB19-54	SB19-55	SB19-55	SB19-55	SB19-56	SB19-57	SB19-58	SB19-59	SB19-59	SB19-60	SB19-61
Sample Identification		SB19-37	SB19-38		SB19-39		SB19-40	SB19-41	SB19-41	SB19-42	SB19-43	SB19-43	SB19-44	SB19-44	SB19-45		SB19-45	SB19-46	SB19-47	SB19-48	SB19-49	SB19-50	SB19-50	SB19-50	SB19-51	SB19-51	SB19-52	SB19-53	SB19-54	SB19-55	SB19-55	SB19-55	SB19-56	SB19-57	SB19-58	SB19-59	SB19-59	SB19-60	SB19-61
Hydrogeologic Unit	NHDES Soil	USU	USU		USU		SCU	USU	SCU	USU	USU	SCU	USU	USU	USU		USU	USU	USU	USU	USU	USU	USU	USU	USU	USU	USU	USU	USU	USU	USU	SCU	USU	USU	USU	SCU	USU	USU
Depth (feet)	Remediation	13-15	17.5-20		17-19		22-24	10-12.5	32.5-35	12.5-15	0-2.5	32.5-35	10-12	17.5-20	2.5-4		22.5-25	15-17.5	10-12.5	15-17	17.5-20	10-12.5	10-12.5 DUP	15-17.5	1.5-3	10-12	12.5-15	2-4	22.5-25	15-17	20-22.5	32.5-35	17.5-20	15-17.5	10-12	15-17.5	25-27	15-17.5	7.5-10
Sample Date	Standards	7/17/2019	7/17/2019		7/17/2019		7/17/2019	7/17/2019	7/17/2019	7/18/2019	7/18/2019	7/18/2019	7/18/2019	7/18/2019	7/18/2019		7/18/2019	7/19/2019	7/19/2019	7/19/2019	7/19/2019	7/22/2019	7/22/2019	7/22/2019	7/22/2019	7/22/2019	7/22/2019	7/23/2019	7/23/2019	7/23/2019	7/23/2019	7/23/2019	7/24/2019	7/24/2019	7/24/2019	7/24/2019	7/24/2019	7/24/2019
Volatile Organic Compounds by 8260C (mg/kg)		8260 high	8260 low	8260 high	8260 low	8260 high	8260 high	8260 low		8260 low	8260 low	8260 low	8260 high	8260 low	8260 high	2.5 dilution	8260 low	8260 high	8260 high	8260 high	8260 high	8260 high	8260 low	8260 low	8260 high		8260 low	8260 high	8260 high	8260 high	8260 high	8260 low	8260 low	8260 high	8260 high	8260 high	8260 high	8260 high
1,1,1,2-Tetrachloroethane	0.8	ND(0.25)	ND(0.00036)	ND(0.025)	ND(0.00048)	ND(0.066)	ND(0.063)	ND(0.00035)	--	ND(0.00038)	ND(0.00041)	ND(0.00039)	ND(0.097)	ND(0.00041)	ND(0.29)	--	ND(0.00038)	ND(0.068)	ND(0.14)	ND(0.31)	ND(0.067)	ND(0.069)	ND(0.064)	ND(0.00039)	ND(0.73)	--	ND(0.00042)	ND(12)	ND(0.071)	--	ND(0.067)	ND(0.00041)	ND(0.069)	ND(0.066)	ND(0.058)	ND(0.068)	ND(0.078)	ND(0.069)	ND(0.072)
1,1,1-Trichloroethane	78	12	0.013	ND(0.025)	0.017	ND(0.066)	ND(0.063)	ND(0.00035)	--	ND(0.00038)	ND(0.00041)	ND(0.00039)	0.48	ND(0.00041)	ND(0.29)	--	ND(0.00038)	0.51	6.9	2.3	0.092	1.5	1.5	0.00069	ND(0.73)	--	ND(0.00042)	ND(12)	0.4	--	0.59	ND(0.00041)	0.79	0.55	1.2	0.61	ND(0.078)	1.2	ND(0.072)
1,1,2,2-Tetrachloroethane	4	ND(0.25)	ND(0.00036)	ND(0.025)	ND(0.00048)	ND(0.066)	ND(0.063)	ND(0.00035)	--	ND(0.00038)	ND(0.00041)	ND(0.00039)	ND(0.097)	ND(0.00041)	ND(0.29)	--	ND(0.00038)	ND(0.068)	ND(0.14)	ND(0.31)	ND(0.067)	ND(0.069)	ND(0.064)	ND(0.00039)	ND(0.73)	--	ND(0.00042)	ND(12)	ND(0.071)	--	ND(0.067)	ND(0.00041)	ND(0.069)	ND(0.066)	ND(0.058)	ND(0.068)	ND(0.078)	ND(0.069)	ND(0.072)
1,1,2-Trichloroethane	0.1	ND(0.5)	ND(0.00072)	ND(0.05)	ND(0.00096)	ND(0.13)	ND(0.13)	ND(0.00071)	--	ND(0.00077)	ND(0.00081)	ND(0.00078)	ND(0.19)	ND(0.00081)	ND(0.58)	--	ND(0.00075)	ND(0.14)	ND(0.27)	ND(0.61)	ND(0.13)	ND(0.14)	ND(0.13)	ND(0.00078)	ND(1.5)	--	ND(0.00083)	ND(24)	ND(0.14)	--	ND(0.13)	ND(0.00082)	ND(0.14)	ND(0.13)	ND(0.12)	ND(0.14)	ND(0.16)	ND(0.14)	ND(0.14)
1,1-Dichloroethane	3	ND(0.5)	0.0097	ND(0.05)	0.0048	ND(0.13)	0.34	ND(0.00071)	--	ND(0.00077)	ND(0.00081)	ND(0.00078)	ND(0.19)	ND(0.00081)	ND(0.58)	--	ND(0.00075)	ND(0.14)	ND(0.27)	ND(0.61)	ND(0.13)	ND(0.14)	ND(0.13)	ND(0.00078)	ND(1.5)	--	ND(0.00083)	ND(24)	0.32	--	0.34	ND(0.00082)	0.18	0.18	ND(0.12)	ND(0.14)	0.49	ND(0.14)	ND(0.14)
1,1-Dichloroethene	14	ND(0.5)	ND(0.00072)	ND(0.05)	ND(0.00096)	ND(0.13)	ND(0.13)	ND(0.00071)	--	ND(0.00077)	ND(0.00081)	ND(0.00078)	ND(0.19)	ND(0.00081)	ND(0.58)	--	ND(0.00075)	ND(0.14)	ND(0.27)	ND(0.61)	ND(0.13)	0.15	0.18	ND(0.00078)	ND(1.5)	--	ND(0.00083)	ND(24)	ND(0.14)	--	ND(0.13)	ND(0.00082)	ND(0.14)	ND(0.13)	ND(0.12)	ND(0.14)	ND(0.16)	ND(0.14)	ND(0.14)
1,1-Dichloropropene	NS	ND(0.25)	ND(0.00036)	ND(0.025)	ND(0.00048)	ND(0.066)	ND(0.063)	ND(0.00035)	--	ND(0.00038)	ND(0.00041)	ND(0.00039)	ND(0.097)	ND(0.00041)	ND(0.29)	--	ND(0.00038)	ND(0.068)	ND(0.14)	ND(0.31)	ND(0.067)	ND(0.069)	ND(0.064)	ND(0.00039)	ND(0.73)	--	ND(0.00042)	ND(12)	ND(0.071)	--	ND(0.067)	ND(0.00041)	ND(0.069)	ND(0.066)	ND(0.058)	ND(0.068)	ND(0.078)	ND(0.069)	ND(0.072)
1,2,3-Trichlorobenzene	NS	ND(0.99)	ND(0.0014)	ND(0.1)	ND(0.0019)	ND(0.27)	ND(0.25)	ND(0.0014)	--	ND(0.0015)	ND(0.0016)	ND(0.0016)	ND(0.39)	ND(0.0016)	1.6	--	ND(0.0015)	ND(0.27)	ND(0.55)	ND(1.2)	ND(0.27)	ND(0.28)	ND(0.26)	ND(0.0016)	ND(2.9)	--	ND(0.0017)	ND(48)	ND(0.28)	--	ND(0.27)	ND(0.0016)	ND(0.27)	ND(0.26)	ND(0.23)	ND(0.27)	ND(0.31)	ND(0.28)	ND(0.29)
1,2,3-Trichloropropane	0.1	ND(0.99)	ND(0.0014)	ND(0.1)	ND(0.0019)	ND(0.27)	ND(0.25)	ND(0.0014)	--	ND(0.0015)	ND(0.0016)	ND(0.0016)	ND(0.39)	ND(0.0016)	ND(1.2)	--	ND(0.0015)	ND(0.27)	ND(0.55)	ND(1.2)	ND(0.27)	ND(0.28)	ND(0.26)	ND(0.0016)	ND(2.9)	--	ND(0.0017)	ND(48)	ND(0.28)	--	ND(0.27)	ND(0.0016)	ND(0.27)	ND(0.26)	ND(0.23)	ND(0.27)	ND(0.31)	ND(0.28)	ND(0.29)
1,2,4-Trichlorobenzene	19	ND(0.99)	ND(0.0014)	ND(0.1)	ND(0.0019)	ND(0.27)	ND(0.25)	ND(0.0014)	--	ND(0.0015)	ND(0.0016)	ND(0.0016)	ND(0.39)	ND(0.0016)	4.6	--	ND(0.0015)	ND(0.27)	ND(0.55)	ND(1.2)	ND(0.27)	ND(0.28)	ND(0.26)	ND(0.0016)	ND(2.9)	--	ND(0.0017)	ND(48)	ND(0.28)	--	ND(0.27)	ND(0.0016)	ND(0.27)	ND(0.26)	ND(0.23)	ND(0.27)	ND(0.31)	ND(0.28)	ND(0.29)
1,2,4-Trimethylbenzene	130	ND(0.99)	ND(0.0014)	ND(0.1)	ND(0.0019)	ND(0.27)	ND(0.25)	ND(0.0014)	--	ND(0.0015)	ND(0.0016)	ND(0.0016)	ND(0.39)	ND(0.0016)	32	--	ND(0.0015)	ND(0.27)	ND(0.55)	ND(1.2)	ND(0.27)	ND(0.28)	ND(0.26)	ND(0.0016)	13	--	ND(0.0017)	ND(48)	ND(0.28)	--	0.38	ND(0.0016)	ND(0.27)	ND(0.26)	ND(0.23)	ND(0.27)	ND(0.31)	ND(0.28)	ND(0.29)
1,2-Dibromo-3-chloropropane	NS	ND(1.5)	ND(0.0022)	ND(0.15)	ND(0.0029)	ND(0.4)	ND(0.38)	ND(0.0021)	--	ND(0.0023)	ND(0.0024)	ND(0.0023)	ND(0.58)	ND(0.0024)	ND(1.7)	--	ND(0.0023)	ND(0.41)	ND(0.82)	ND(1.8)	ND(0.4)	ND(0.42)	ND(0.39)	ND(0.0023)	ND(4.4)	--	ND(0.0025)	ND(72)	ND(0.42)	--	ND(0.4)	ND(0.0024)	ND(0.41)	ND(0.4)	ND(0.35)	ND(0.41)	ND(0.47)	ND(0.41)	ND(0.43)
1,2-Dibromoethane	0.1	ND(0.5)	ND(0.00072)	ND(0.05)	ND(0.00096)	ND(0.13)	ND(0.13)	ND(0.00071)	--	ND(0.00077)	ND(0.00081)	ND(0.00078)	ND(0.19)	ND(0.00081)	ND(0.58)	--	ND(0.00075)	ND(0.14)	ND(0.27)	ND(0.61)	ND(0.13)	ND(0.14)	ND(0.13)	ND(0.00078)	ND(1.5)	--	ND(0.00083)	ND(24)	ND(0.14)	--	ND(0.13)	ND(0.00082)	ND(0.14)	ND(0.13)	ND(0.12)	ND(0.14)	ND(0.16)	ND(0.14)	ND(0.14)
1,2-Dichlorobenzene	88	ND(0.99)	ND(0.0014)	ND(0.1)	ND(0.0019)	ND(0.27)	ND(0.25)	ND(0.0014)	--	ND(0.0015)	ND(0.0016)	ND(0.0016)	ND(0.39)	ND(0.0016)	**200 E**	**210**	ND(0.0015)	ND(0.27)	ND(0.55)	ND(1.2)	ND(0.27)	ND(0.28)	ND(0.26)	ND(0.0016)	38	--	ND(0.0017)	**150**	ND(0.28)	--	ND(0.27)	ND(0.0016)	ND(0.27)	ND(0.26)	ND(0.23)	ND(0.27)	ND(0.31)	ND(0.28)	ND(0.29)
1,2-Dichloroethane	0.1	ND(0.5)	ND(0.00072)	ND(0.05)	ND(0.00096)	ND(0.13)	ND(0.13)	ND(0.00071)	--	ND(0.00077)	ND(0.00081)	ND(0.00078)	ND(0.19)	ND(0.00081)	ND(0.58)	--	ND(0.00075)	ND(0.14)	ND(0.27)	ND(0.61)	ND(0.13)	ND(0.14)	ND(0.13)	ND(0.00078)	ND(1.5)	--	ND(0.00083)	ND(24)	ND(0.14)	--	ND(0.13)	ND(0.00082)	ND(0.14)	ND(0.13)	ND(0.12)	ND(0.14)	ND(0.16)	ND(0.14)	ND(0.14)
cis-1,2-Dichloroethene	2	**13**	0.44 E	0.18	0.52 E	1.2	**17**	ND(0.00071)	--	ND(0.00077)	ND(0.00081)	ND(0.00078)	**2.5**	ND(0.00081)	1.8	--	ND(0.00075)	**12**	**19**	**8.2**	**2.9**	**15**	**15**	0.011	**300**	--	ND(0.00083)	**1,300**	**34**	--	**19**	0.0013	**17**	**17**	1.4	**2.4**	**23**	1.5	ND(0.14)
trans-1,2-Dichloroethene	0.74	ND(0.74)	0.0019	ND(0.075)	ND(0.0014)	ND(0.2)	ND(0.19)	ND(0.0011)	--	ND(0.0012)	ND(0.0012)	ND(0.0012)	ND(0.29)	ND(0.0012)	ND(0.86)	--	ND(0.0011)	ND(0.21)	ND(0.41)	ND(0.92)	ND(0.2)	ND(0.21)	ND(0.19)	ND(0.0012)	ND(2.2)	--	ND(0.0012)	ND(36)	ND(0.21)	--	ND(0.2)	ND(0.0012)	ND(0.21)	ND(0.2)	ND(0.17)	ND(0.2)	ND(0.23)	ND(0.21)	ND(0.22)
1,2-Dichloroethene, Total	NS	13	--	0.18	--	1.2	17	ND(0.00071)	--	ND(0.00077)	ND(0.00081)	ND(0.00078)	2.5	ND(0.00081)	1.8	--	ND(0.00075)	12	19	8.2	2.9	15	15	0.011	300	--	ND(0.00083)	1,300	34	--	19	0.0013	17	17	1.4	2.4	23	1.5	ND(0.14)
1,2-Dichloropropane	0.1	ND(0.5)	ND(0.00072)	ND(0.05)	ND(0.00096)	ND(0.13)	ND(0.13)	ND(0.00071)	--	ND(0.00077)	ND(0.00081)	ND(0.00078)	ND(0.19)	ND(0.00081)	ND(0.58)	--	ND(0.00075)	ND(0.14)	ND(0.27)	ND(0.61)	ND(0.13)	ND(0.14)	ND(0.13)	ND(0.00078)	ND(1.5)	--	ND(0.00083)	ND(24)	ND(0.14)	--	ND(0.13)	ND(0.00082)	ND(0.14)	ND(0.13)	ND(0.12)	ND(0.14)	ND(0.16)	ND(0.14)	ND(0.14)
1,3,5-Trichlorobenzene	NS	ND(0.99)	ND(0.0014)	ND(0.1)	ND(0.0019)	ND(0.27)	ND(0.25)	ND(0.0014)	--	ND(0.0015)	ND(0.0016)	ND(0.0016)	ND(0.39)	ND(0.0016)	ND(1.2)	--	ND(0.0015)	ND(0.27)	ND(0.55)	ND(1.2)	ND(0.27)	ND(0.28)	ND(0.26)	ND(0.0016)	ND(2.9)	--	ND(0.0017)	ND(48)	ND(0.28)	--	ND(0.27)	ND(0.0016)	ND(0.27)	ND(0.26)	ND(0.23)	ND(0.27)	ND(0.31)	ND(0.28)	ND(0.29)
1,3,5-Trimethylbenzene	96	ND(0.99)	ND(0.0014)	ND(0.1)	ND(0.0019)	ND(0.27)	ND(0.25)	ND(0.0014)	--	ND(0.0015)	ND(0.0016)	ND(0.0016)	ND(0.39)	ND(0.0016)	12	--	ND(0.0015)	ND(0.27)	ND(0.55)	ND(1.2)	ND(0.27)	ND(0.28)	ND(0.26)	ND(0.0016)	4.8	--	ND(0.0017)	ND(48)	ND(0.28)	--	ND(0.27)	ND(0.0016)	ND(0.27)	ND(0.26)	ND(0.23)	ND(0.27)	ND(0.31)	ND(0.28)	ND(0.29)
1,3-Dichlorobenzene	150	ND(0.99)	ND(0.0014)	ND(0.1)	ND(0.0019)	ND(0.27)	ND(0.25)	ND(0.0014)	--	ND(0.0015)	ND(0.0016)	ND(0.0016)	ND(0.39)	ND(0.0016)	12	--	ND(0.0015)	ND(0.27)	ND(0.55)	ND(1.2)	ND(0.27)	ND(0.28)	ND(0.26)	ND(0.0016)	3	--	ND(0.0017)	ND(48)	ND(0.28)	--	ND(0.27)	ND(0.0016)	ND(0.27)	ND(0.26)	ND(0.23)	ND(0.27)	ND(0.31)	ND(0.28)	ND(0.29)
cis-1,3-Dichloropropene	NS	ND(0.25)	ND(0.00036)	ND(0.025)	ND(0.00048)	ND(0.066)	ND(0.063)	ND(0.00035)	--	ND(0.00038)	ND(0.00041)	ND(0.00039)	ND(0.097)	ND(0.00041)	ND(0.29)	--	ND(0.00038)	ND(0.068)	ND(0.14)	ND(0.31)	ND(0.067)	ND(0.069)	ND(0.064)	ND(0.00039)	ND(0.73)	--	ND(0.00042)	ND(12)	ND(0.071)	--	ND(0.067)	ND(0.00041)	ND(0.069)	ND(0.066)	ND(0.058)	ND(0.068)	ND(0.078)	ND(0.069)	ND(0.072)
trans-1,3-Dichloropropene	NS	ND(0.5)	ND(0.00072)	ND(0.05)	ND(0.00096)	ND(0.13)	ND(0.13)	ND(0.00071)	--	ND(0.00077)	ND(0.00081)	ND(0.00078)	ND(0.19)	ND(0.00081)	ND(0.58)	--	ND(0.00075)	ND(0.14)	ND(0.27)	ND(0.61)	ND(0.13)	ND(0.14)	ND(0.13)	ND(0.00078)	ND(1.5)	--	ND(0.00083)	ND(24)	ND(0.14)	--	ND(0.13)	ND(0.00082)	ND(0.14)	ND(0.13)	ND(0.12)	ND(0.14)	ND(0.16)	ND(0.14)	ND(0.14)
1,3-Dichloropropene, Total	0.1	ND(0.25)	ND(0.00036)	ND(0.00036)	ND(0.00048)	ND(0.00048)	ND(0.063)	ND(0.00035)	--	ND(0.00038)	ND(0.00041)	ND(0.00039)	ND(0.097)	ND(0.00041)	ND(0.29)	--	ND(0.00038)	ND(0.068)	ND(0.14)	ND(0.31)	ND(0.067)	ND(0.069)	ND(0.064)	ND(0.00039)	ND(0.73)	--	ND(0.00042)	ND(12)	ND(0.071)	--	ND(0.067)	ND(0.00041)	ND(0.069)	ND(0.066)	ND(0.058)	ND(0.068)	ND(0.078)	ND(0.069)	ND(0.072)
1,4-Dichlorobenzene	7	ND(0.99)	ND(0.0014)	ND(0.1)	ND(0.0019)	ND(0.27)	ND(0.25)	ND(0.0014)	--	ND(0.0015)	ND(0.0016)	ND(0.0016)	ND(0.39)	ND(0.0016)	**58**		ND(0.0015)	ND(0.27)	ND(0.55)	ND(1.2)	ND(0.27)	ND(0.28)	ND(0.26)	ND(0.0016)	**14**	--	ND(0.0017)	**580**	ND(0.28)	--	ND(0.27)	ND(0.0016)	ND(0.27)	ND(0.26)	ND(0.23)	ND(0.27)	ND(0.31)	ND(0.28)	ND(0.29)
1,4-Dioxane	5	ND(40)	ND(0.057)	ND(4)	ND(0.077)	ND(11)	ND(10)	ND(0.057)	--	ND(0.061)	ND(0.065)	ND(0.062)	ND(16)	ND(0.065)	ND(46)	--	ND(0.06)	ND(11)	ND(22)	ND(49)	ND(11)	ND(11)	ND(10)	ND(0.062)	ND(120)	--	ND(0.067)	ND(1,900)	ND(11)	--	ND(11)	ND(0.065)	ND(11)	ND(10)	ND(9.3)	ND(11)	ND(12)	ND(11)	ND(11)
2,2-Dichloropropane	NS	ND(0.99)	ND(0.0014)	ND(0.1)	ND(0.0019)	ND(0.27)	ND(0.25)	ND(0.0014)	--	ND(0.0015)	ND(0.0016)	ND(0.0016)	ND(0.39)	ND(0.0016)	ND(1.2)	--	ND(0.0015)	ND(0.27)	ND(0.55)	ND(1.2)	ND(0.27)	ND(0.28)	ND(0.26)	ND(0.0016)	ND(2.9)	--	ND(0.0017)	ND(48)	ND(0.28)	--	ND(0.27)	ND(0.0016)	ND(0.27)	ND(0.26)	ND(0.23)	ND(0.27)	ND(0.31)	ND(0.28)	ND(0.29)
2-Butanone	51	ND(5)	ND(0.0072)	ND(0.5)	ND(0.0096)	ND(1.3)	ND(1.3)	ND(0.0071)	--	ND(0.0077)	ND(0.0081)	ND(0.0078)	ND(1.9)	ND(0.0081)	ND(5.8)	--	ND(0.0075)	ND(1.4)	ND(2.7)	ND(6.1)	ND(1.3)	ND(1.4)	ND(1.3)	ND(0.0078)	ND(15)	--	ND(0.0083)	ND(240)	ND(1.4)	--	ND(1.3)	ND(0.0082)	ND(1.4)	ND(1.3)	ND(1.2)	ND(1.4)	ND(1.6)	ND(1.4)	ND(1.4)
2-Hexanone	NS	ND(5)	ND(0.0072)	ND(0.5)	ND(0.0096)	ND(1.3)	ND(1.3)	ND(0.0071)	--	ND(0.0077)	ND(0.0081)	ND(0.0078)	ND(1.9)	ND(0.0081)	ND(5.8)	--	ND(0.0075)	ND(1.4)	ND(2.7)	ND(6.1)	ND(1.3)	ND(1.4)	ND(1.3)	ND(0.0078)	ND(15)	--	ND(0.0083)	ND(240)	ND(1.4)	--	ND(1.3)	ND(0.0082)	ND(1.4)	ND(1.3)	ND(1.2)	ND(1.4)	ND(1.6)	ND(1.4)	ND(1.4)
4-Methyl-2-pentanone	29	ND(5)	ND(0.0072)	ND(0.5)	ND(0.0096)	ND(1.3)	ND(1.3)	ND(0.0071)	--	ND(0.0077)	ND(0.0081)	ND(0.0078)	ND(1.9)	ND(0.0081)	ND(5.8)	--	ND(0.0075)	ND(1.4)	ND(2.7)	ND(6.1)	ND(1.3)	ND(1.4)	ND(1.3)	ND(0.0078)	ND(15)	--	ND(0.0083)	ND(240)	ND(1.4)	--	ND(1.3)	ND(0.0082)	ND(1.4)	ND(1.3)	ND(1.2)	ND(1.4)	ND(1.6)	ND(1.4)	ND(1.4)
Acetone	75	ND(5)	ND(0.0072)	ND(0.5)	ND(0.0096)	ND(1.3)	ND(1.3)	ND(0.0071)	--	ND(0.0077)	ND(0.0081)	ND(0.0078)	ND(1.9)	ND(0.0081)	7.1	--	0.0095	ND(1.4)	ND(2.7)	ND(6.1)	ND(1.3)	ND(1.4)	ND(1.3)	0.018	ND(15)	--	ND(0.0083)	ND(240)	ND(1.4)	--	ND(1.3)	0.019	ND(1.4)	ND(1.3)	ND(1.2)	ND(1.4)	ND(1.6)	ND(1.4)	ND(1.4)
Benzene	0.3	ND(0.25)	ND(0.00036)	ND(0.025)	ND(0.00048)	ND(0.066)	ND(0.063)	ND(0.00035)	--	ND(0.00038)	ND(0.00041)	ND(0.00039)	ND(0.097)	ND(0.00041)	ND(0.29)	--	ND(0.00038)	ND(0.068)	ND(0.14)	ND(0.31)	ND(0.067)	ND(0.069)	ND(0.064)	ND(0.00039)	ND(0.73)	--	ND(0.00042)	ND(12)	ND(0.071)	--	ND(0.067)	ND(0.00041)	ND(0.069)	ND(0.066)	ND(0.058)	ND(0.068)	ND(0.078)	ND(0.069)	ND(0.072)
Bromobenzene	NS	ND(0.99)	ND(0.0014)	ND(0.1)	ND(0.0019)	ND(0.27)	ND(0.25)	ND(0.0014)	--	ND(0.0015)	ND(0.0016)	ND(0.0016)	ND(0.39)	ND(0.0016)	ND(1.2)	--	ND(0.0015)	ND(0.27)	ND(0.55)	ND(1.2)	ND(0.27)	ND(0.28)	ND(0.26)	ND(0.0016)	ND(2.9)	--	ND(0.0017)	ND(48)	ND(0.28)	--	ND(0.27)	ND(0.0016)	ND(0.27)	ND(0.26)	ND(0.23)	ND(0.27)	ND(0.31)	ND(0.28)	ND(0.29)
Bromochloromethane	NS	ND(0.99)	ND(0.0014)	ND(0.1)	ND(0.0019)	ND(0.27)	ND(0.25)	ND(0.0014)	--	ND(0.0015)	ND(0.0016)	ND(0.0016)	ND(0.39)	ND(0.0016)	ND(1.2)	--	ND(0.0015)	ND(0.27)	ND(0.55)	ND(1.2)	ND(0.27)	ND(0.28)	ND(0.26)	ND(0.0016)	ND(2.9)	--	ND(0.0017)	ND(48)	ND(0.28)	--	ND(0.27)	ND(0.0016)	ND(0.27)	ND(0.26)	ND(0.23)	ND(0.27)	ND(0.31)	ND(0.28)	ND(0.29)
Bromodichloromethane	0.1	ND(0.25)	ND(0.00036)	ND(0.025)	ND(0.00048)	ND(0.066)	ND(0.063)	ND(0.00035)	--	ND(0.00038)	ND(0.00041)	ND(0.00039)	ND(0.097)	ND(0.00041)	ND(0.29)	--	ND(0.00038)	ND(0.068)	ND(0.14)	ND(0.31)	ND(0.067)	ND(0.069)	ND(0.064)	ND(0.00039)	ND(0.73)	--	ND(0.00042)	ND(12)	ND(0.071)	--	ND(0.067)	ND(0.00041)	ND(0.069)	ND(0.066)	ND(0.058)	ND(0.068)	ND(0.078)	ND(0.069)	ND(0.072)
Bromoform	0.1	ND(2)	ND(0.0029)	ND(0.2)	ND(0.0038)	ND(0.53)	ND(0.5)	ND(0.0028)	--	ND(0.0031)	ND(0.0032)	ND(0.0031)	ND(0.78)	ND(0.0032)	ND(2.3)	--	ND(0.003)	ND(0.54)	ND(1.1)	ND(2.4)	ND(0.54)	ND(0.55)	ND(0.52)	ND(0.0031)	ND(5.9)	--	ND(0.0033)	ND(96)	ND(0.56)	--	ND(0.53)	ND(0.0033)	ND(0.55)	ND(0.53)	ND(0.46)	ND(0.54)	ND(0.62)	ND(0.55)	ND(0.57)
Bromomethane	0.3	ND(0.99)	ND(0.0014)	ND(0.1)	ND(0.0019)	ND(0.27)	ND(0.25)	ND(0.0014)	--	ND(0.0015)	ND(0.0016)	ND(0.0016)	ND(0.39)	ND(0.0016)	ND(1.2)	--	ND(0.0015)	ND(0.27)	ND(0.55)	ND(1.2)	ND(0.27)	ND(0.28)	ND(0.26)	ND(0.0016)	ND(2.9)	--	ND(0.0017)	ND(48)	ND(0.28)	--	ND(0.27)	ND(0.0016)	ND(0.27)	ND(0.26)	ND(0.23)	ND(0.27)	ND(0.31)	ND(0.28)	ND(0.29)
Carbon disulfide	460	ND(5)	ND(0.0072)	ND(0.5)	ND(0.0096)	ND(1.3)	ND(1.3)	ND(0.0071)	--	ND(0.0077)	ND(0.0081)	ND(0.0078)	ND(1.9)	ND(0.0081)	ND(5.8)	--	ND(0.0075)	ND(1.4)	ND(2.7)	ND(6.1)	ND(1.3)	ND(1.4)	ND(1.3)	ND(0.0078)	ND(15)	--	ND(0.0083)	ND(240)	ND(1.4)	--	ND(1.3)	ND(0.0082)	ND(1.4)	ND(1.3)	ND(1.2)	ND(1.4)	ND(1.6)	ND(1.4)	ND(1.4)
Carbon tetrachloride	12	ND(0.5)	ND(0.00072)	ND(0.05)	ND(0.00096)	ND(0.13)	ND(0.13)	ND(0.00071)	--	ND(0.00077)	ND(0.00081)	ND(0.00078)	ND(0.19)	ND(0.00081)	ND(0.58)	--	ND(0.00075)	ND(0.14)	ND(0.27)	ND(0.61)	ND(0.13)	ND(0.14)	ND(0.13)	ND(0.00078)	ND(1.5)	--	ND(0.00083)	ND(24)	ND(0.14)	--	ND(0.13)	ND(0.00082)	ND(0.14)	ND(0.13)	ND(0.12)	ND(0.14)	ND(0.16)	ND(0.14)	ND(0.14)
Chlorobenzene	NS	ND(0.25)	ND(0.00036)	ND(0.025)	ND(0.00048)	ND(0.066)	ND(0.063)	ND(0.00035)	--	ND(0.00038)	ND(0.00041)	ND(0.00039)	ND(0.097)	ND(0.00041)	1.2	--	ND(0.00038)	ND(0.068)	ND(0.14)	ND(0.31)	ND(0.067)	ND(0.069)	ND(0.064)	ND(0.00039)	ND(0.73)	--	ND(0.00042)	ND(12)	ND(0.071)	--	ND(0.067)	ND(0.00041)	ND(0.069)	ND(0.066)	ND(0.058)	ND(0.068)	ND(0.078)	ND(0.069)	ND(0.072)
Chloroethane	NS	ND(0.99)	ND(0.0014)	ND(0.1)	ND(0.0019)	ND(0.27)	ND(0.25)	ND(0.0014)	--	ND(0.0015)	ND(0.0016)	ND(0.0016)	ND(0.39)	ND(0.0016)	ND(1.2)	--	ND(0.0015)	ND(0.27)	ND(0.55)	ND(1.2)	ND(0.27)	ND(0.28)	ND(0.26)	ND(0.0016)	ND(2.9)	--	ND(0.0017)	ND(48)	ND(0.28)	--	ND(0.27)	ND(0.0016)	ND(0.27)	ND(0.26)	ND(0.23)	ND(0.27)	ND(0.31)	ND(0.28)	ND(0.29)
Chloroform	3	ND(0.74)	ND(0.0011)	ND(0.075)	ND(0.0014)	ND(0.2)	ND(0.19)	ND(0.0011)	--	ND(0.0012)	ND(0.0012)	ND(0.0012)	ND(0.29)	ND(0.0012)	ND(0.86)	--	ND(0.0011)	ND(0.21)	ND(0.41)	ND(0.92)	ND(0.2)	ND(0.21)	ND(0.19)	ND(0.0012)	ND(2.2)	--	ND(0.0012)	ND(36)	ND(0.21)	--	ND(0.2)	ND(0.0012)	ND(0.21)	ND(0.2)	ND(0.17)	ND(0.2)	ND(0.23)	ND(0.21)	ND(0.22)
Chloromethane	3	ND(2)	ND(0.0029)	ND(0.2)	ND(0.0038)	ND(0.53)	ND(0.5)	ND(0.0028)	--	ND(0.0031)	ND(0.0032)	ND(0.0031)	ND(0.78)	ND(0.0032)	ND(2.3)	--	ND(0.003)	ND(0.54)	ND(1.1)	ND(2.4)	ND(0.54)	ND(0.55)	ND(0.52)	ND(0.0031)	ND(5.9)	--	ND(0.0033)	ND(96)	ND(0.56)	--	ND(0.53)	ND(0.0033)	ND(0.55)	ND(0.53)	ND(0.46)	ND(0.54)	ND(0.62)	ND(0.55)	ND(0.57)
Dibromochloromethane	1	ND(0.5)	ND(0.00072)	ND(0.05)	ND(0.00096)	ND(0.13)	ND(0.13)	ND(0.00071)	--	ND(0.00077)	ND(0.00081)	ND(0.00078)	ND(0.19)	ND(0.00081)	ND(0.58)	--	ND(0.00075)	ND(0.14)	ND(0.27)	ND(0.61)	ND(0.13)	ND(0.14)	ND(0.13)	ND(0.00078)	ND(1.5)	--	ND(0.00083)	ND(24)	ND(0.14)	--	ND(0.13)	ND(0.00082)	ND(0.14)	ND(0.13)	ND(0.12)	ND(0.14)	ND(0.16)	ND(0.14)	ND(0.14)
Dibromomethane	NS	ND(0.99)	ND(0.0014)	ND(0.1)	ND(0.0019)	ND(0.27)	ND(0.25)	ND(0.0014)	--	ND(0.0015)	ND(0.0016)	ND(0.0016)	ND(0.39)	ND(0.0016)	ND(1.2)	--	ND(0.0015)	ND(0.27)	ND(0.55)	ND(1.2)	ND(0.27)	ND(0.28)	ND(0.26)	ND(0.0016)	ND(2.9)	--	ND(0.0017)	ND(48)	ND(0.28)	--	ND(0.27)	ND(0.0016)	ND(0.27)	ND(0.26)	ND(0.23)	ND(0.27)	ND(0.31)	ND(0.28)	ND(0.29)
Dichlorodifluoromethane	1,000	ND(5)	ND(0.0072)	ND(0.5)	ND(0.0096)	ND(1.3)	ND(1.3)	ND(0.0071)	--	ND(0.0077)	ND(0.0081)	ND(0.0078)	ND(1.9)	ND(0.0081)	ND(5.8)	--	ND(0.0075)	ND(1.4)	ND(2.7)	ND(6.1)	ND(1.3)	ND(1.4)	ND(1.3)	ND(0.0078)	ND(15)	--	ND(0.0083)	ND(240)	ND(1.4)	--	ND(1.3)	ND(0.0082)	ND(1.4)	ND(1.3)	ND(1.2)	ND(1.4)	ND(1.6)	ND(1.4)	ND(1.4)
Ethyl ether	NS	ND(0.99)	ND(0.0014)	ND(0.1)	ND

TABLE 2
SUMMARY OF SOIL ANALYTICAL DATA
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Location Identification		SB19-61	SB19-62	SB19-63	SB19-63	SB19-64	SB19-64	SB19-65	SB19-66	SB19-66	SB19-67	SB19-67	UW19-03U	UW19-03U	SB19-69	UW19-04U	UW19-04U	UW19-04U	SB19-71	SB19-72	SB19-73	SB19-73	SB19-74	SB19-75	SB19-75	UW19-05U	UW19-05U	UW19-06U	SB19-78
Sample Identification		SB19-61	SB19-62	SB19-63	SB19-63	SB19-64	SB19-64	SB19-65	SB19-66	SB19-66	SB19-67	SB19-67	SB19-68R	SB19-68R	SB19-69	SB19-70	SB19-70	SB19-70	SB19-71	SB19-72	SB19-73	SB19-73	SB19-74	SB19-75	SB19-75	SB19-76	SB19-76	SB19-77	SB19-78
Hydrogeologic Unit	NHDES Soil	SCU	USU	USU	SCU	USU	USU	USU	USU	SCU	USU	LSU	SCU	LSU	USU	USU	USU	USU	USU	USU	USU	LSU	USU	USU	LSU	USU	SCU	USU	USU
Depth (feet)	Remediation	26.75-28.5	25-27.5	17-19	30-32.5	10-12.5	10-12.5 DUP	20-21.5	0-2	27-29	15-17.5	32-34	11.5-13	16.75-17.75	16.5-18.5	10-12.5	16-17	16-17 DUP	17-19	12.25-14.5	5-7.25	25-27	12.25-14.5	5-7.5	28-30	15-17.5	20-22.25	15-17.5	17.5-20
Sample Date	Standards	7/24/2019	7/24/2019	7/24/2019	7/24/2019	7/25/2019	7/25/2019	7/25/2019	7/25/2019	7/25/2019	7/25/2019	7/25/2019	7/26/2019	7/26/2019	7/26/2019	7/26/2019	7/26/2019	7/26/2019	7/29/2019	7/29/2019	7/29/2019	7/29/2019	7/29/2019	7/31/2019	7/31/2019	7/31/2019	7/31/2019	7/31/2019	7/31/2019	7/31/2019
Volatile Organic Compounds by 8260C (mg/kg)		8260 high	8260 high	8260 high	8260 high	8260 high	8260 high	8260 low	8260 low	8260 low	8260 low	8260 low	8260 low	8260 low	8260 high	8260 low	8260 high	8260 low	8260 high	8260 high	8260 low	8260 low	8260 low	8260 low	8260 low	8260 low	8260 low	8260 high	8260 high
1,1,1,2-Tetrachloroethane	0.8	--	ND(0.067)	ND(0.14)	ND(0.067)	ND(0.34)	ND(0.34)	ND(0.00036)	ND(0.00039)	ND(0.00038)	ND(0.00036)	ND(0.00026)	ND(0.00037)	ND(0.00035)	ND(0.069)	ND(0.00037)	ND(0.067)	ND(0.0004)	ND(0.066)	ND(0.029)	ND(0.026)	ND(0.00043)	ND(0.00035)	ND(0.00038)	ND(0.00037)	ND(0.00035)	0.00041	ND(0.00031)	ND(0.067)	ND(0.071)
1,1,1-Trichloroethane	78	--	0.36	2	ND(0.067)	6.8	9.4	ND(0.00036)	ND(0.00039)	ND(0.00038)	ND(0.00036)	ND(0.00026)	ND(0.00037)	ND(0.00035)	0.23	ND(0.00037)	0.23	0.19	ND(0.066)	0.28	0.18	ND(0.00043)	ND(0.00035)	ND(0.00038)	ND(0.00037)	ND(0.00035)	0.0011	ND(0.00031)	0.25	ND(0.071)
1,1,2,2-Tetrachloroethane	4	--	ND(0.067)	ND(0.14)	ND(0.067)	ND(0.34)	ND(0.34)	ND(0.00036)	ND(0.00039)	ND(0.00038)	ND(0.00036)	ND(0.00026)	ND(0.00037)	ND(0.00035)	ND(0.069)	ND(0.00037)	ND(0.067)	ND(0.0004)	ND(0.066)	ND(0.029)	ND(0.026)	ND(0.00043)	ND(0.00035)	ND(0.00038)	ND(0.00037)	ND(0.00035)	ND(0.00041)	ND(0.00031)	ND(0.067)	ND(0.071)
1,1,2-Trichloroethane	0.1	--	ND(0.13)	ND(0.28)	ND(0.13)	ND(0.68)	ND(0.68)	ND(0.00073)	ND(0.00078)	ND(0.00076)	ND(0.00072)	ND(0.00051)	ND(0.00074)	ND(0.0007)	ND(0.14)	ND(0.00075)	ND(0.13)	ND(0.00081)	ND(0.13)	ND(0.058)	ND(0.052)	ND(0.00086)	ND(0.0007)	ND(0.00077)	ND(0.00073)	ND(0.00071)	ND(0.00082)	ND(0.00062)	ND(0.13)	ND(0.14)
1,1-Dichloroethane	3	--	ND(0.13)	ND(0.28)	ND(0.13)	ND(0.68)	ND(0.68)	ND(0.00073)	ND(0.00078)	ND(0.00076)	ND(0.00072)	ND(0.00051)	ND(0.00074)	ND(0.0007)	ND(0.14)	ND(0.00075)	ND(0.13)	0.021	ND(0.13)	0.2	ND(0.052)	ND(0.00086)	ND(0.0007)	ND(0.00077)	ND(0.00073)	ND(0.00071)	0.0022	0.001	0.14	ND(0.14)
1,1-Dichloroethene	14	--	ND(0.13)	0.31	ND(0.13)	ND(0.68)	ND(0.68)	ND(0.00073)	ND(0.00078)	ND(0.00076)	ND(0.00072)	ND(0.00051)	ND(0.00074)	ND(0.0007)	ND(0.14)	ND(0.00075)	ND(0.13)	0.013	ND(0.13)	ND(0.058)	ND(0.052)	ND(0.00086)	ND(0.0007)	ND(0.00077)	ND(0.00073)	ND(0.00071)	ND(0.00082)	ND(0.00062)	ND(0.13)	ND(0.14)
1,1-Dichloropropene	NS	--	ND(0.067)	ND(0.14)	ND(0.067)	ND(0.34)	ND(0.34)	ND(0.00036)	ND(0.00039)	ND(0.00038)	ND(0.00036)	ND(0.00026)	ND(0.00037)	ND(0.00035)	ND(0.069)	ND(0.00037)	ND(0.067)	ND(0.0004)	ND(0.066)	ND(0.029)	ND(0.026)	ND(0.00043)	ND(0.00035)	ND(0.00038)	ND(0.00037)	ND(0.00035)	ND(0.00041)	ND(0.00031)	ND(0.067)	ND(0.071)
1,2,3-Trichlorobenzene	NS	--	ND(0.27)	ND(0.57)	ND(0.27)	ND(1.4)	ND(1.4)	ND(0.0014)	ND(0.0016)	ND(0.0015)	ND(0.0014)	ND(0.001)	ND(0.0015)	ND(0.0014)	ND(0.28)	ND(0.0015)	ND(0.27)	ND(0.0016)	ND(0.26)	ND(0.12)	ND(0.1)	ND(0.0017)	ND(0.0014)	ND(0.0015)	ND(0.0015)	ND(0.0014)	ND(0.0016)	ND(0.0012)	ND(0.27)	ND(0.28)
1,2,3-Trichloropropane	0.1	--	ND(0.27)	ND(0.57)	ND(0.27)	ND(1.4)	ND(1.4)	ND(0.0014)	ND(0.0016)	ND(0.0015)	ND(0.0014)	ND(0.001)	ND(0.0015)	ND(0.0014)	ND(0.28)	ND(0.0015)	ND(0.27)	ND(0.0016)	ND(0.26)	ND(0.12)	ND(0.1)	ND(0.0017)	ND(0.0014)	ND(0.0015)	ND(0.0015)	ND(0.0014)	ND(0.0016)	ND(0.0012)	ND(0.27)	ND(0.28)
1,2,4-Trichlorobenzene	19	--	ND(0.27)	ND(0.57)	ND(0.27)	ND(1.4)	ND(1.4)	ND(0.0014)	ND(0.0016)	ND(0.0015)	ND(0.0014)	ND(0.001)	ND(0.0015)	ND(0.0014)	ND(0.28)	ND(0.0015)	ND(0.27)	ND(0.0016)	ND(0.26)	ND(0.12)	ND(0.1)	ND(0.0017)	ND(0.0014)	ND(0.0015)	ND(0.0015)	ND(0.0014)	ND(0.0016)	ND(0.0012)	ND(0.27)	ND(0.28)
1,2,4-Trimethylbenzene	130	--	ND(0.27)	ND(0.57)	ND(0.27)	ND(1.4)	ND(1.4)	ND(0.0014)	ND(0.0016)	ND(0.0015)	ND(0.0014)	ND(0.001)	ND(0.0015)	ND(0.0014)	ND(0.28)	ND(0.0015)	ND(0.27)	ND(0.0016)	ND(0.26)	ND(0.12)	ND(0.1)	ND(0.0017)	ND(0.0014)	ND(0.0015)	ND(0.0015)	ND(0.0014)	ND(0.0016)	ND(0.0012)	ND(0.27)	ND(0.28)
1,2-Dibromo-3-chloropropane	NS	--	ND(0.4)	ND(0.85)	ND(0.4)	ND(2)	ND(2)	ND(0.0022)	ND(0.0023)	ND(0.0023)	ND(0.0022)	ND(0.0015)	ND(0.0022)	ND(0.0021)	ND(0.41)	ND(0.0022)	ND(0.4)	ND(0.0024)	ND(0.4)	ND(0.17)	ND(0.16)	ND(0.0026)	ND(0.0021)	ND(0.0023)	ND(0.0022)	ND(0.0021)	ND(0.0024)	ND(0.0018)	ND(0.4)	ND(0.43)
1,2-Dibromoethane	0.1	--	ND(0.13)	ND(0.28)	ND(0.13)	ND(0.68)	ND(0.68)	ND(0.00073)	ND(0.00078)	ND(0.00076)	ND(0.00072)	ND(0.00051)	ND(0.00074)	ND(0.0007)	ND(0.14)	ND(0.00075)	ND(0.13)	ND(0.00081)	ND(0.13)	ND(0.058)	ND(0.052)	ND(0.00086)	ND(0.0007)	ND(0.00077)	ND(0.00073)	ND(0.00071)	ND(0.00082)	ND(0.00062)	ND(0.13)	ND(0.14)
1,2-Dichlorobenzene	88	--	ND(0.27)	ND(0.57)	ND(0.27)	ND(1.4)	ND(1.4)	ND(0.0014)	ND(0.0016)	ND(0.0015)	ND(0.0014)	ND(0.001)	ND(0.0015)	ND(0.0014)	ND(0.28)	ND(0.0015)	ND(0.27)	ND(0.0016)	ND(0.26)	ND(0.12)	ND(0.1)	ND(0.0017)	ND(0.0014)	ND(0.0015)	ND(0.0015)	ND(0.0014)	ND(0.0016)	ND(0.0012)	ND(0.27)	ND(0.28)
1,2-Dichloroethane	0.1	--	ND(0.13)	ND(0.28)	ND(0.13)	ND(0.68)	ND(0.68)	ND(0.00073)	ND(0.00078)	ND(0.00076)	ND(0.00072)	ND(0.00051)	ND(0.00074)	ND(0.0007)	ND(0.14)	ND(0.00075)	ND(0.13)	ND(0.00081)	ND(0.13)	ND(0.058)	ND(0.052)	ND(0.00086)	ND(0.0007)	ND(0.00077)	ND(0.00073)	ND(0.00071)	ND(0.00082)	ND(0.00062)	ND(0.13)	ND(0.14)
cis-1,2-Dichloroethene	2	--	ND(0.13)	**2.3**	ND(0.13)	0.85	1.1	ND(0.00073)	ND(0.00078)	ND(0.00076)	ND(0.00072)	ND(0.00051)	0.0033	0.0032	2.0	ND(0.00075)	**4.4**	**2.7 E**	1.6	**14**	0.51	ND(0.00086)	ND(0.0007)	0.0018	ND(0.00073)	0.0013	0.064	0.11	**10**	1.4
trans-1,2-Dichloroethene	9	--	ND(0.2)	ND(0.43)	ND(0.2)	ND(1)	ND(1)	ND(0.0011)	ND(0.0012)	ND(0.0011)	ND(0.0011)	ND(0.00077)	ND(0.0011)	ND(0.0011)	ND(0.21)	ND(0.0011)	ND(0.2)	0.012	ND(0.2)	ND(0.087)	ND(0.078)	ND(0.0013)	ND(0.001)	ND(0.0012)	ND(0.001)	ND(0.0011)	ND(0.0012)	ND(0.00093)	ND(0.2)	ND(0.21)
1,2-Dichloroethene, Total	NS	--	ND(0.13)	2.3	ND(0.13)	0.85	1.1	ND(0.00073)	ND(0.00078)	ND(0.00076)	ND(0.00072)	ND(0.00051)	0.0033	0.0032	2.0	ND(0.00075)	4.4	–	1.6	14	0.51	ND(0.00086)	ND(0.0007)	0.0018	ND(0.00073)	0.0013	0.064	0.11	10	1.4
1,2-Dichloropropane	0.1	--	ND(0.13)	ND(0.28)	ND(0.13)	ND(0.68)	ND(0.68)	ND(0.00073)	ND(0.00078)	ND(0.00076)	ND(0.00072)	ND(0.00051)	ND(0.00074)	ND(0.0007)	ND(0.14)	ND(0.00075)	ND(0.13)	ND(0.00081)	ND(0.13)	ND(0.058)	ND(0.052)	ND(0.00086)	ND(0.0007)	ND(0.00077)	ND(0.00073)	ND(0.00071)	ND(0.00082)	ND(0.00062)	ND(0.13)	ND(0.14)
1,3,5-Trichlorobenzene	NS	--	ND(0.27)	ND(0.57)	ND(0.27)	ND(1.4)	ND(1.4)	ND(0.0014)	ND(0.0016)	ND(0.0015)	ND(0.0014)	ND(0.001)	ND(0.0015)	ND(0.0014)	ND(0.28)	ND(0.0015)	ND(0.27)	ND(0.0016)	ND(0.26)	ND(0.12)	ND(0.1)	ND(0.0017)	ND(0.0014)	ND(0.0015)	ND(0.0015)	ND(0.0014)	ND(0.0016)	ND(0.0012)	ND(0.27)	ND(0.28)
1,3,5-Trimethylbenzene	96	--	ND(0.27)	ND(0.57)	ND(0.27)	ND(1.4)	ND(1.4)	ND(0.0014)	ND(0.0016)	ND(0.0015)	ND(0.0014)	ND(0.001)	ND(0.0015)	ND(0.0014)	ND(0.28)	ND(0.0015)	ND(0.27)	ND(0.0016)	ND(0.26)	ND(0.12)	ND(0.1)	ND(0.0017)	ND(0.0014)	ND(0.0015)	ND(0.0015)	ND(0.0014)	ND(0.0016)	ND(0.0012)	ND(0.27)	ND(0.28)
1,3-Dichlorobenzene	150	--	ND(0.27)	ND(0.57)	ND(0.27)	ND(1.4)	ND(1.4)	ND(0.0014)	ND(0.0016)	ND(0.0015)	ND(0.0014)	ND(0.001)	ND(0.0015)	ND(0.0014)	ND(0.28)	ND(0.0015)	ND(0.27)	ND(0.0016)	ND(0.26)	ND(0.12)	ND(0.1)	ND(0.0017)	ND(0.0014)	ND(0.0015)	ND(0.0015)	ND(0.0014)	ND(0.0016)	ND(0.0012)	ND(0.27)	ND(0.28)
cis-1,3-Dichloropropene	NS	--	ND(0.067)	ND(0.14)	ND(0.067)	ND(0.34)	ND(0.34)	ND(0.00036)	ND(0.00039)	ND(0.00038)	ND(0.00036)	ND(0.00026)	ND(0.00037)	ND(0.00035)	ND(0.069)	ND(0.00037)	ND(0.067)	ND(0.0004)	ND(0.066)	ND(0.029)	ND(0.026)	ND(0.00043)	ND(0.00035)	ND(0.00038)	ND(0.00037)	ND(0.00035)	ND(0.00041)	ND(0.00031)	ND(0.067)	ND(0.071)
trans-1,3-Dichloropropene	NS	--	ND(0.13)	ND(0.28)	ND(0.13)	ND(0.68)	ND(0.68)	ND(0.00073)	ND(0.00078)	ND(0.00076)	ND(0.00072)	ND(0.00051)	ND(0.00074)	ND(0.0007)	ND(0.14)	ND(0.00075)	ND(0.13)	ND(0.00081)	ND(0.13)	ND(0.058)	ND(0.052)	ND(0.00086)	ND(0.0007)	ND(0.00077)	ND(0.00073)	ND(0.00071)	ND(0.00082)	ND(0.00062)	ND(0.13)	ND(0.14)
1,3-Dichloropropene, Total	0.1	--	ND(0.067)	ND(0.14)	ND(0.067)	ND(0.34)	ND(0.34)	ND(0.00036)	ND(0.00039)	ND(0.00038)	ND(0.00036)	ND(0.00026)	ND(0.00037)	ND(0.00035)	ND(0.069)	ND(0.00037)	ND(0.067)	ND(0.0004)	ND(0.066)	ND(0.029)	ND(0.026)	ND(0.00043)	ND(0.00035)	ND(0.00038)	ND(0.00037)	ND(0.00035)	ND(0.00041)	ND(0.00031)	ND(0.067)	ND(0.071)
1,4-Dichlorobenzene	7	--	ND(0.27)	ND(0.57)	ND(0.27)	ND(1.4)	ND(1.4)	ND(0.0014)	ND(0.0016)	ND(0.0015)	ND(0.0014)	ND(0.001)	ND(0.0015)	ND(0.0014)	ND(0.28)	0.004	ND(0.27)	ND(0.0016)	ND(0.26)	ND(0.12)	ND(0.1)	ND(0.0017)	ND(0.0014)	ND(0.0015)	ND(0.0015)	ND(0.0014)	ND(0.0016)	ND(0.0012)	ND(0.27)	ND(0.28)
1,4-Dioxane	5	--	ND(11)	ND(23)	ND(11)	ND(55)	ND(55)	ND(0.058)	ND(0.062)	ND(0.061)	ND(0.057)	ND(0.041)	ND(0.06)	ND(0.056)	ND(11)	ND(0.06)	ND(11)	ND(0.065)	ND(10)	ND(4.6)	ND(4.2)	ND(0.068)	ND(0.056)	ND(0.062)	ND(0.059)	ND(0.056)	ND(0.065)	ND(0.05)	ND(11)	ND(11)
2,2-Dichloropropane	NS	--	ND(0.27)	ND(0.57)	ND(0.27)	ND(1.4)	ND(1.4)	ND(0.0014)	ND(0.0016)	ND(0.0015)	ND(0.0014)	ND(0.001)	ND(0.0015)	ND(0.0014)	ND(0.28)	ND(0.0015)	ND(0.27)	ND(0.0016)	ND(0.26)	ND(0.12)	ND(0.1)	ND(0.0017)	ND(0.0014)	ND(0.0015)	ND(0.0015)	ND(0.0014)	ND(0.0016)	ND(0.0012)	ND(0.27)	ND(0.28)
2-Butanone	51	--	ND(1.3)	ND(2.8)	ND(1.3)	ND(6.8)	ND(6.8)	ND(0.0073)	ND(0.0078)	ND(0.0076)	ND(0.0072)	ND(0.0051)	ND(0.0074)	ND(0.007)	ND(1.4)	ND(0.0075)	ND(1.3)	ND(0.0081)	ND(1.3)	ND(0.58)	ND(0.52)	ND(0.0086)	ND(0.007)	ND(0.0077)	ND(0.0073)	ND(0.0071)	ND(0.0082)	ND(0.0062)	ND(1.3)	ND(1.4)
2-Hexanone	NS	--	ND(1.3)	ND(2.8)	ND(1.3)	ND(6.8)	ND(6.8)	ND(0.0073)	ND(0.0078)	ND(0.0076)	ND(0.0072)	ND(0.0051)	ND(0.0074)	ND(0.007)	ND(1.4)	ND(0.0075)	ND(1.3)	ND(0.0081)	ND(1.3)	ND(0.58)	ND(0.52)	ND(0.0086)	ND(0.007)	ND(0.0077)	ND(0.0073)	ND(0.0071)	ND(0.0082)	ND(0.0062)	ND(1.3)	ND(1.4)
4-Methyl-2-pentanone	29	--	ND(1.3)	ND(2.8)	ND(1.3)	ND(6.8)	ND(6.8)	ND(0.0073)	ND(0.0078)	ND(0.0076)	ND(0.0072)	ND(0.0051)	ND(0.0074)	ND(0.007)	ND(1.4)	ND(0.0075)	ND(1.3)	ND(0.0081)	ND(1.3)	ND(0.58)	ND(0.52)	ND(0.0086)	ND(0.007)	ND(0.0077)	ND(0.0073)	ND(0.0071)	ND(0.0082)	ND(0.0062)	ND(1.3)	ND(1.4)
Acetone	75	--	ND(1.3)	ND(2.8)	ND(1.3)	ND(6.8)	ND(6.8)	ND(0.0073)	0.015	ND(0.0076)	ND(0.0072)	ND(0.0051)	0.013	ND(0.007)	ND(1.4)	0.026	ND(1.3)	0.009	ND(1.3)	ND(0.58)	ND(0.52)	ND(0.0086)	0.0086	ND(0.0077)	0.0098	0.0081	ND(0.0082)	0.013	ND(1.3)	ND(1.4)
Benzene	0.3	--	ND(0.067)	ND(0.14)	ND(0.067)	ND(0.34)	ND(0.34)	ND(0.00036)	ND(0.00039)	ND(0.00038)	ND(0.00036)	ND(0.00026)	ND(0.00037)	ND(0.00035)	ND(0.069)	ND(0.00037)	ND(0.067)	0.00091	ND(0.066)	ND(0.029)	ND(0.026)	ND(0.00043)	ND(0.00035)	ND(0.00038)	ND(0.00037)	ND(0.00035)	ND(0.00041)	ND(0.00031)	ND(0.067)	ND(0.071)
Bromobenzene	NS	--	ND(0.27)	ND(0.57)	ND(0.27)	ND(1.4)	ND(1.4)	ND(0.0014)	ND(0.0016)	ND(0.0015)	ND(0.0014)	ND(0.001)	ND(0.0015)	ND(0.0014)	ND(0.28)	ND(0.0015)	ND(0.27)	ND(0.0016)	ND(0.26)	ND(0.12)	ND(0.1)	ND(0.0017)	ND(0.0014)	ND(0.0015)	ND(0.0015)	ND(0.0014)	ND(0.0016)	ND(0.0012)	ND(0.27)	ND(0.28)
Bromochloromethane	NS	--	ND(0.27)	ND(0.57)	ND(0.27)	ND(1.4)	ND(1.4)	ND(0.0014)	ND(0.0016)	ND(0.0015)	ND(0.0014)	ND(0.001)	ND(0.0015)	ND(0.0014)	ND(0.28)	ND(0.0015)	ND(0.27)	ND(0.0016)	ND(0.26)	ND(0.12)	ND(0.1)	ND(0.0017)	ND(0.0014)	ND(0.0015)	ND(0.0015)	ND(0.0014)	ND(0.0016)	ND(0.0012)	ND(0.27)	ND(0.28)
Bromodichloromethane	0.1	--	ND(0.067)	ND(0.14)	ND(0.067)	ND(0.34)	ND(0.34)	ND(0.00036)	ND(0.00039)	ND(0.00038)	ND(0.00036)	ND(0.00026)	ND(0.00037)	ND(0.00035)	ND(0.069)	ND(0.00037)	ND(0.067)	ND(0.0004)	ND(0.066)	ND(0.029)	ND(0.026)	ND(0.00043)	ND(0.00035)	ND(0.00038)	ND(0.00037)	ND(0.00035)	ND(0.00041)	ND(0.00031)	ND(0.067)	ND(0.071)
Bromoform	0.1	--	ND(0.53)	ND(1.1)	ND(0.54)	ND(2.7)	ND(2.7)	ND(0.0029)	ND(0.0031)	ND(0.0031)	ND(0.0029)	ND(0.002)	ND(0.003)	ND(0.0028)	ND(0.55)	ND(0.003)	ND(0.54)	ND(0.0032)	ND(0.53)	ND(0.23)	ND(0.21)	ND(0.0034)	ND(0.0028)	ND(0.0031)	ND(0.0029)	ND(0.0028)	ND(0.0033)	ND(0.0025)	ND(0.54)	ND(0.57)
Bromomethane	0.3	--	ND(0.27)	ND(0.57)	ND(0.27)	ND(1.4)	ND(1.4)	ND(0.0014)	ND(0.0016)	ND(0.0015)	ND(0.0014)	ND(0.001)	ND(0.0015)	ND(0.0014)	ND(0.28)	ND(0.0015)	ND(0.27)	ND(0.0016)	ND(0.26)	ND(0.12)	ND(0.1)	ND(0.0017)	ND(0.0014)	ND(0.0015)	ND(0.0015)	ND(0.0014)	ND(0.0016)	ND(0.0012)	ND(0.27)	ND(0.28)
Carbon disulfide	460	--	ND(1.3)	ND(2.8)	ND(1.3)	ND(6.8)	ND(6.8)	ND(0.0073)	ND(0.0078)	ND(0.0076)	ND(0.0072)	ND(0.0051)	ND(0.0074)	ND(0.007)	ND(1.4)	ND(0.0075)	ND(1.3)	ND(0.0081)	ND(1.3)	ND(0.58)	ND(0.52)	ND(0.0086)	ND(0.007)	ND(0.0077)	ND(0.0073)	ND(0.0071)	ND(0.0082)	ND(0.0062)	ND(1.3)	ND(1.4)
Carbon tetrachloride	12	--	ND(0.13)	ND(0.28)	ND(0.13)	ND(0.68)	ND(0.68)	ND(0.00073)	ND(0.00078)	ND(0.00076)	ND(0.00072)	ND(0.00051)	ND(0.00074)	ND(0.0007)	ND(0.14)	ND(0.00075)	ND(0.13)	ND(0.00081)	ND(0.13)	ND(0.058)	ND(0.052)	ND(0.00086)	ND(0.0007)	ND(0.00077)	ND(0.00073)	ND(0.00071)	ND(0.00082)	ND(0.00062)	ND(0.13)	ND(0.14)
Chlorobenzene	NS	--	ND(0.067)	ND(0.14)	ND(0.067)	ND(0.34)	ND(0.34)	ND(0.00036)	ND(0.00039)	ND(0.00038)	ND(0.00036)	ND(0.00026)	ND(0.00037)	ND(0.00035)	ND(0.069)	0.0015	ND(0.067)	0.00045	ND(0.066)	ND(0.029)	ND(0.026)	ND(0.00043)	ND(0.00035)	ND(0.00038)	ND(0.00037)	ND(0.00035)	ND(0.00041)	ND(0.00031)	ND(0.067)	ND(0.071)
Chloroethane	NS	--	ND(0.27)	ND(0.57)	ND(0.27)	ND(1.4)	ND(1.4)	ND(0.0014)	ND(0.0016)	ND(0.0015)	ND(0.0014)	ND(0.001)	ND(0.0015)	ND(0.0014)	ND(0.28)	ND(0.0015)	ND(0.27)	ND(0.0016)	ND(0.26)	ND(0.12)	ND(0.1)	ND(0.0017)	ND(0.0014)	ND(0.0015)	ND(0.0015)	ND(0.0014)	ND(0.0016)	ND(0.0012)	ND(0.27)	ND(0.28)
Chloroform	3	--	ND(0.2)	ND(0.43)	ND(0.2)	ND(1)	ND(1)	ND(0.0011)	ND(0.0012)	ND(0.0011)	ND(0.0011)	ND(0.00077)	ND(0.0011)	ND(0.0011)	ND(0.21)	ND(0.0011)	ND(0.2)	ND(0.0012)	ND(0.2)	ND(0.087)	ND(0.078)	ND(0.0013)	ND(0.001)	ND(0.0012)	ND(0.001)	ND(0.0011)	ND(0.0012)	ND(0.00093)	ND(0.2)	ND(0.21)
Chloromethane	3	--	ND(0.53)	ND(1.1)	ND(0.54)	ND(2.7)	ND(2.7)	ND(0.0029)	ND(0.0031)	ND(0.0031)	ND(0.0029)	ND(0.002)	ND(0.003)	ND(0.0028)	ND(0.55)	ND(0.003)	ND(0.54)	ND(0.0032)	ND(0.53)	ND(0.23)	ND(0.21)	ND(0.0034)	ND(0.0028)	ND(0.0031)	ND(0.0029)	ND(0.0028)	ND(0.0033)	ND(0.0025)	ND(0.54)	ND(0.57)
Dibromochloromethane	1	--	ND(0.13)	ND(0.28)	ND(0.13)	ND(0.68)	ND(0.68)	ND(0.00073)	ND(0.00078)	ND(0.00076)	ND(0.00072)	ND(0.00051)	ND(0.00074)	ND(0.0007)	ND(0.14)	ND(0.00075)	ND(0.13)	ND(0.00081)	ND(0.13)	ND(0.058)	ND(0.052)	ND(0.00086)	ND(0.0007)	ND(0.00077)	ND(0.00073)	ND(0.00071)	ND(0.00082)	ND(0.00062)	ND(0.13)	ND(0.14)
Dibromomethane	NS	--	ND(0.27)	ND(0.57)	ND(0.27)	ND(1.4)	ND(1.4)	ND(0.0014)	ND(0.0016)	ND(0.0015)	ND(0.0014)	ND(0.001)	ND(0.0015)	ND(0.0014)	ND(0.28)	ND(0.0015)	ND(0.27)	ND(0.0016)	ND(0.26)	ND(0.12)	ND(0.1)	ND(0.0017)	ND(0.0014)	ND(0.0015)	ND(0.0015)	ND(0.0014)	ND(0.0016)	ND(0.0012)	ND(0.27)	ND(0.28)
Dichlorodifluoromethane	1,000	--	ND(1.3)	ND(2.8)	ND(1.3)	ND(6.8)	ND(6.8)	ND(0.0073)	ND(0.0078)	ND(0.0076)	ND(0.0072)	ND(0.0051)	ND(0.0074)	ND(0.007)	ND(1.4)	ND(0.0075)	ND(1.3)	ND(0.0081)	ND(1.3)	ND(0.58)	ND(0.52)	ND(0.0086)	ND(0.007)	ND(0.0077)	ND(0.0073)	ND(0.0071)	ND(0.0082)	ND(0.0062)	ND(1.3)	ND(1.4)
Ethyl ether	NS	--	ND(0.27)	ND(0.57)	ND(0.27)	ND(1.4)	ND(1.4)	ND(0.0014)	ND(0.0016)	ND(0.0015)	ND(0.0014)	ND(0.001)	ND(0.0015)	ND(0.0014)	ND(0.28)	ND(0.0015)	ND(0.27)	ND(0.0016)	ND(0.26)	ND(0.12)	ND(0.1)	ND(0.0017)	ND(0.0014)	ND(0.0015)	ND(0.0015)	ND(0.0014)	ND(0.0016)	ND(0.0012)	ND(0.27)	ND(0.28)
Ethyl-Tert-Butyl-Ether	0.7	--	ND(0.27)	ND(0.57)	ND(0.27)	ND(1.4)	ND(1.4)	ND(0.0014)	ND(0.0016)	ND(0.0015)	ND(0.0014)	ND(0.001)	ND(0.0015)	ND(0.0014)	ND(0.28)	ND(0.0015)	ND(0.27)	ND(0.0016)	ND(0.26)	ND(0.12)	ND(0.1)	ND(0.0017)	ND(0.0014)	ND(0.0015)	ND(0.0015)	ND(0.0014)	ND(0.0016)	ND(0.0012)	ND(0.27)	ND(0.28)
Ethylbenzene	120	--	ND(0.13)	ND(0.28)	ND(0.13)	ND(0.68)	ND(0.68)	ND(0.00073)	ND(0.00078)	ND(0.00076)	ND(0.00072)	ND(0.00051)	ND(0.00074)	ND(0.0007)	ND(0.14)	ND(0.00075)	ND(0.13)	0.011	ND(0.13)	ND(0.058)	ND(0.052)	ND(0.00086)	ND(0.0007)	ND(0.00077)	ND(0.00073)	ND(0.00071)	ND(0.00082)	ND(0.00062)	ND(0.13)	ND(0.14)
Hexachlorobutadiene	17	--	ND(0.53)	ND(1.1)	ND(0.54)	ND(2.7)	ND(2.7)	ND(0.0029)	ND(0.0031)	ND(0.0031)	ND(0.0029)	ND(0.002)	ND(0.003)	ND(0.0028)	ND(0.55)	ND(0.003)	ND(0.54)	ND(0.0032)	ND(0.53)	ND(0.23)	ND(0.21)	ND(0.0034)	ND(0.0028)	ND(0.0031)	ND(0.0029)	ND(0.0028)	ND(0.0033)	ND(0.0025)	ND(0.54)	ND(0.57)
Isopropyl Ether	NS	--	ND(0.27)	ND(0.57)	ND(0.27)	ND(1.4)	ND(1.4)	ND(0.0014)	ND(0.0016)	ND(0.0015)	ND(0.0014)	ND(0.001)	ND(0.0015)	ND(0.0014)	ND(0.28)	ND(0.0015)	ND(0.27)	ND(0.0016)	ND(0.26)	ND(0.12)	ND(0.1)	ND(0.0017)	ND(0.0014)	ND(0.0015)	ND(0.0015)	ND(0.0014)	ND(0.0016)	ND(0.0012)	ND(0.27)	ND(0.28)
Isopropylbenzene	330	--	ND(0.13)	ND(0.28)	ND(0.13)	ND(0.68)	ND(0.68)	ND(0.00073)	ND(0.00078)	ND(0.00076)	ND(0.00072)	ND(0.00051)	ND(0.00074)	ND(0.0007)	ND(0.14)	ND(0.00075)	ND(0.13)	ND(0.00081)	ND(0.13)	ND(0.058)	ND(0.052)	ND(0.00086)	ND(0.0007)	ND(0.00077)	ND(0.00073)	ND(0.00071)	ND(0.00082)	ND(0.00062)	ND(0.13)	ND(0.14)
Methyl tert butyl ether	0.2	--	ND(0.27)	ND(0.57)	ND(0.27)	ND(1.4)	ND(1.4)	ND(0.0014)	ND(0.0016)	ND(0.0015)	ND(0.0014)	ND(0.001)	ND(0.0015)	ND(0.0014)	ND(0.28)	ND(0.0015)	ND(0.27)	ND(0.0016)	ND(0.26)	ND(0.12)	ND(0.1)	ND(0.0017)	ND(0.0014)	ND(0.0015)	ND(0.0015)	ND(0.0014)	ND(0.0016)	ND(0.0012)	ND(0.27)	ND(0.28)
Methylene chloride	0.1	--	ND(0.67)	ND(1.4)	ND(0.67)	ND(3.4)	ND(3.4)	ND(0.0036)	ND(0.0039)	ND(0.0038)	ND(0.0036)	ND(0.0026)	ND(0.0037)	ND(0.0035)	ND(0.69)	ND(0.0037)	ND(0.67)	ND(0.004)	ND(0.66)	ND(0.29)	ND(0.26)	ND(0.0043)	ND(0.0035)	ND(0.0038)	ND(0.0037)	ND(0.0035)	ND(0.0041)	ND(0.0031)	ND(0.67)	ND(0.71)
Naphthalene	5	--	ND(0.53)	ND(1.1)	ND(0.54)	ND(2.7)	ND(2.7)	ND(0.0029)	ND(0.0031)	ND(0.0031)	ND(0.0029)	ND(0.002)	ND(0.003)	ND(0.0028)	ND(0.55)	ND(0.003)	ND(0.54)	ND(0.0032)	ND(0.53)	ND(0.23)	ND(0.21)	ND(0.0034)	ND(0.0028)	ND(0.0031)	ND(0.0029)	ND(0.0028)	ND(0.0033)	ND(0.0025)	ND(0.54)	ND(0.57)
Styrene	17	--	ND(0.13)	ND(0.28)	ND(0.13)	ND(0.68)	ND(0.68)	ND(0.00073)	ND(0.00078)	ND(0.00076)	ND(0.00072)	ND(0.00051)	ND(0.00074)	ND(0.0007)	ND(0.14)	ND(0.00075)	ND(0.13)	ND(0.00081)	ND(0.13)	ND(0.058)	ND(0.052)	ND(0.00086)	ND(0.0007)	ND(0.00077)	ND(0.00073)	ND(0.00071)	ND(0.00082)	ND

TABLE 3
MONITORING WELL CONSTRUCTION DETAILS
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Boring/ Monitoring Well ID	Type	Boring Depth (ft bgs)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	Screen/ Riser Diameter (in)	Boring Diameter (in)
GZ-1A	Monitoring Well	15.4	5.4	15.4	1.5	3.75
GZ-1B	Monitoring Well	83	53	83	6	6
GZ-1L	Monitoring Well	39.6	20	39.6	1.5	4
GZ-2	Monitoring Well	19.6	4.2	19.2	1.5	3.75
GZ-2L	Monitoring Well	68.2	6	68.2	2	4.75
GZ-3A	Monitoring Well	21	5.6	20.6	1.5	3.75
GZ-3B	Monitoring Well	208	68.85	208	6	6
GZ-3L	Monitoring Well	61	26.8	49.8	1.5	4
GZ-4A	Monitoring Well	19	6.5	16.5	1.5	3.75
GZ-4L	Monitoring Well	70	33	45.7	1.5	4
GZ-5A	Monitoring Well	19	13.2	18.2	1.5	3.75
GZ-5R	Monitoring Well	17	5	15	1.5	3.75
GZ-6	Monitoring Well	25	4	24	1.5	3.75
GZ-7	Monitoring Well	30	2.8	27.8	1.5	3.75
GZ-8	Monitoring Well	37.5	1	36	1.5	3.75
GZ-8L	Monitoring Well	57	44	47.7	1.5	4
GZ-9L	Monitoring Well	80.5	26.3	36.5	1.5	4
GZ-9U	Monitoring Well	17.2	5	17	1.5	4
GZ-101	Monitoring Well	42	19	42	2	4.25
GZ-102	Monitoring Well	60	31	48	2	4.25
GZ-10L	Monitoring Well	60	21	26.4	1.5	4
GZ-10LR	Monitoring Well	29	19	29	2	4
GZ-10U	Monitoring Well	12.2	2	12	1.5	4
GZ-10UR	Monitoring Well	15	5	15	2	4
GZ-201L	Monitoring Well	64	45	60	2	4
GZ-202L	Monitoring Well	65	20	35	2	4
GZ-203L	Monitoring Well	65	38	48	2	4
GZ-301	Monitoring Well	63.5	23.25	33.25	2	4
GZ-302	Monitoring Well	66	30.6	40.6	2	4
GZ-303	Monitoring Well	67.5	34	49	2	4
GZ-401	Monitoring Well	63.8	40	55.68	2	4
GZ-402	Monitoring Well	67	45.78	55.78	2	4
GZ-403L	Monitoring Well	64.5	37	47	2	4
GZ-403U	Monitoring Well	64.5	7.28	17.28	2	4
GZ-404L	Monitoring Well	54.5	35.97	45.97	2	4
GZ-404U	Monitoring Well	54.5	8.26	18.26	1	4
GZ-405L	Monitoring Well	42	36	42	2	4

TABLE 3
MONITORING WELL CONSTRUCTION DETAILS
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Boring/ Monitoring Well ID	Type	Boring Depth (ft bgs)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	Screen/ Riser Diameter (in)	Boring Diameter (in)
GZ-405U	Monitoring Well	42	7	17	1	4
GZ-406L	Monitoring Well	53	38	45	2	4
GZ-406U	Monitoring Well	53	9	19	1	4
GZ-407L	Monitoring Well	56.5	44	54.6	2	4
GZ-407U	Monitoring Well	56.5	7	17.15	1	4
GZ-408	Monitoring Well	15	5	15	2	4
GZ-409	Monitoring Well	15	5	15	2	4
GZ-410	Monitoring Well	15	5	15	2	4
GZ-411	Monitoring Well	15	5	15	2	4
GZ-412	Monitoring Well					
GZ-500	Monitoring Well	25	12.5	22.5	2	4
GZ-501	Monitoring Well	24	12	22	2	4
GZ-502	Monitoring Well	24	12	22	2	4
GZ-503L	Monitoring Well	37	23	33	2	4
GZ-504L	Monitoring Well	42	32	38	2	4
GZ-505L	Monitoring Well	54	44	46	2	4.25
GZ-505LR	Monitoring Well	50	46	49	2	NA
GZ-506U	Monitoring Well	22	9	19	2	4.25
GZ-507L	Monitoring Well	43	35.5	41.5	2	4.25
GZ-508U	Monitoring Well	27	15	25	2	4.25
GZ-601U	Monitoring Well	25	4	24	1.5	3
GZ-602U	Monitoring Well	25	4	24	1.5	3
GZ-603U	Monitoring Well	25	3	23	1.5	3
GZ-604U	Monitoring Well	20	3	18	1.5	3
GZ-605U	Monitoring Well	25	3	23	1.5	3
GZ-606L	Monitoring Well	51	42	49	2	4
GZ-606U	Monitoring Well	25	3	23	2	3
GZ-607L	Monitoring Well	62.5	42.5	45.5	2	3
GZ-607U	Monitoring Well	24	4	24	1.5	3
GZ-608L	Monitoring Well	48	45	47	2	4
GZ-608U	Monitoring Well	25	4	24	1.5	3
GZ-609L	Monitoring Well	52	42.5	47	2	4
GZ-609U	Monitoring Well	25	3	23	1.5	3
GZ-610L	Monitoring Well	54	49	52	2	4
GZ-610U	Monitoring Well	25	4	24	1.5	3
GZ-611L	Monitoring Well	30	19	28	2	4
GZ-611U	Monitoring Well	15	4	10	1.5	3
GZ-612U	Monitoring Well	27	5	25	2	4.25

TABLE 3
MONITORING WELL CONSTRUCTION DETAILS
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Boring/ Monitoring Well ID	Type	Boring Depth (ft bgs)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	Screen/ Riser Diameter (in)	Boring Diameter (in)
GZ-613U	Monitoring Well	17	2	17	2	4.25
GZ-614U	Monitoring Well	22	5	20	2	4.25
GZ-615U	Monitoring Well	17	5	15	2	4.25
GZ-616U	Monitoring Well	22	5	20	2	4.25
GZ-617U	Monitoring Well	22	5	20	2	4.25
GZ-618U	Monitoring Well	27	5	25	2	4.25
GZ-619U	Monitoring Well	19	6	16	2	4.25
GZ-620U	Monitoring Well	19	7	17	2	4.25
GZ-701L	Monitoring Well	62	50	55	2	4
GZ-701U	Monitoring Well	62	15	20	1	4
GZ-801U	Monitoring Well	25	17.5	22.5	1.5	2.62
GZ-802UD	Monitoring Well	25	20	23	1.5	2.62
GZ-802US	Monitoring Well	10	5	10	1.5	2.62
GZ-803U	Monitoring Well	25	19	24	1.5	2.62
GZ-901L	Monitoring Well	67	28	33	2	4
GZ-901U	Monitoring Well	14	9	14	2	4
GZ-902L	Monitoring Well	75	57	62	2	4
GZ-902M	Monitoring Well	25	19	24	2	4
GZ-902U	Monitoring Well	13	8	13	2	4
GZ-903U	Monitoring Well	17	8	13	2	4
GZ-904U	Monitoring Well	17	10	15	2	4
GZ-905L	Monitoring Well	32	25	30	2	4
GZ-905U	Monitoring Well	10	5	10	2	4
GZ-TW-1L	Test Well	20	15	20	1	8.25
GZ-TW-1U	Test Well	20	7	12	1	8.25
GZ-TW-2	Test Well	23	11	16	2	8.25
GZ-TW-3	Test Well	23	10.5	15.5	2	8.25
GZ-TW-4	Test Well	17	11	16	2	8.25
MW-1D	Monitoring Well	32	25	30	2	4.25
MW-1S	Monitoring Well	12	3	10	2	4.25
MW-2	Monitoring Well	17	5	15	2	4.25
MW-3	Monitoring Well	17	5	15	2	4.25
MW-4	Monitoring Well	17	5	15	2	4.25
MW-5	Monitoring Well	15	5	15	2	4.25
MW-6	Monitoring Well	15	5	15	2	4.25
MW-7D	Monitoring Well	33	22.5	32.5	2	4.25
MW-7S	Monitoring Well	15	5	15	2	4.25
MW-8	Monitoring Well	17	5	15	2	4.25

TABLE 3
MONITORING WELL CONSTRUCTION DETAILS
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Boring/ Monitoring Well ID	Type	Boring Depth (ft bgs)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	Screen/ Riser Diameter (in)	Boring Diameter (in)
MW19-01U	Monitoring Well	31	15	25	2	4
MW19-02U	Monitoring Well	25	14.5	24.5	2	4
MW19-02L	Monitoring Well	54	42.5	52.5	2	4
MW19-03U	Monitoring Well	16	4	14	2	4
MW19-04U	Monitoring Well	31	14	24	2	4
MW19-05U	Monitoring Well	36	24	34	2	4
MW19-06L	Monitoring Well	46	39	44	2	4
UW19-01U	Monitoring Well	20	2	12	1	3
UW19-02U	Monitoring Well	15	2	12	1	3
UW19-03U	Monitoring Well	20	10	20	1	3
UW19-04U	Monitoring Well	20	10	20	1	3
UW19-05U	Monitoring Well	25	10	20	1	3
UW19-06U	Monitoring Well	20	10	20	1	3
PZ19-2	Piezometer	7.7	5.2	7.7	1.125	1.125
PZ19-6	Piezometer	5.7	3.1	5.7	1.125	1.125
PZ19-7	Piezometer	6	3.5	6	1.125	1.125

Notes:

1. Monitoring wells GZ-10U and GZ-10L were destroyed and were replaced by wells GZ-10UR and GZ-10LR in June 2019.
2. Monitoring well construction details for well GZ-412 were not available in the information reviewed by GeoInsight.

TABLE 4A
SUMMARY OF GROUNDWATER ELEVATIONS - UPPER HYDROGEOLOGIC UNIT
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Well ID	Well Elevation (TOC)	Date	Depth to Water	Groundwater Elevation	DNAPL Thickness
Upper Unit Monitoring Wells					
MW-1S	91.04	6/16/2004	4.06	86.98	
		8/25/2004	3.24	87.80	
		8/6/2007	4.09	86.95	
		12/14/2009	2.40	88.64	
		8/10/2010	6.49	84.55	
		11/9/2010	3.77	87.27	
		8/17/2011	5.41	85.63	
		11/17/2011	2.25	88.79	
		6/11/2012	3.89	87.15	
		8/6/2012	6.00	85.04	
		11/5/2012	3.45	87.59	
		8/23/2013	4.94	86.10	
		11/4/2013	4.33	86.71	
		6/10/2014	4.59	86.45	
		7/1/2014	5.08	85.96	
		8/21/2014	5.26	85.78	
		11/11/2014	4.22	86.82	
		6/23/2015	3.83	87.21	
		8/24/2015	5.59	85.45	
		11/17/2015	4.94	86.10	
		6/20/2016	5.37	85.67	
		11/17/2016	4.57	86.47	
		6/13/2017	3.74	87.30	
		11/20/2017	3.73	87.31	
	108.66	6/24/2019	4.08	104.58	
		8/9/2019	4.43	104.23	
		11/11/2019	3.26	105.40	
MW-2	96.68	6/16/2004	8.30	88.38	
		8/25/2004	8.21	88.47	
		8/6/2007	9.89	86.79	
		12/14/2009	6.58	90.10	
		8/10/2010	10.74	85.94	
		11/17/2011	6.33	90.35	
		6/11/2012	8.14	88.54	
		8/23/2013	9.29	87.39	
		8/21/2014	9.85	86.83	
		11/11/2014	8.26	88.42	
		6/23/2015	8.30	88.38	
		6/20/2016	9.58	87.10	
		6/13/2017	7.11	89.57	
		11/12/2018	4.51	92.17	
	114.18	8/9/2019	8.80	105.38	
MW-3	97.4	6/16/2004	8.96	88.44	
		8/25/2004	8.86	88.54	
		8/6/2007	10.42	86.98	
		12/14/2009	7.24	90.16	
		8/10/2010	11.45	85.95	
		11/17/2011	8.80	88.60	
		6/11/2012	8.79	88.61	
		8/23/2013	9.94	87.46	
		8/21/2014	10.54	86.86	
		11/11/2014	9.07	88.33	
		6/23/2015	9.00	88.40	
		6/20/2016	10.24	87.16	
		6/13/2017	7.68	89.72	
	NS	6/24/2019	8.92	NS	
		8/9/2019	9.48	NS	

TABLE 4A
SUMMARY OF GROUNDWATER ELEVATIONS - UPPER HYDROGEOLOGIC UNIT
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Well ID	Well Elevation (TOC)	Date	Depth to Water	Groundwater Elevation	DNAPL Thickness
MW-4	99.3	6/16/2004	9.96	89.34	
		8/25/2004	10.13	89.17	
		8/6/2007	11.64	87.66	
		12/14/2009	8.65	90.65	
		8/10/2010	12.90	86.40	
		11/17/2011	8.08	91.22	
		6/11/2012	10.21	89.09	
		8/23/2013	11.41	87.89	
		8/21/2014	12.07	87.23	
		11/11/2014	10.97	88.33	
		6/23/2015	10.49	88.81	
		6/20/2016	11.69	87.61	
		6/13/2017	8.81	90.49	
	116.81	8/9/2019	10.68	106.13	
MW-5	99.18	6/16/2004	9.56	89.62	
		8/25/2004	9.37	89.81	
		8/6/2007	11.48	87.70	
		12/14/2009	7.79	91.39	
		8/10/2010	12.49	86.69	
		11/17/2011	7.46	91.72	
		6/11/2012	9.49	89.69	
		8/23/2013	10.86	88.32	
		8/21/2014	11.68	87.50	
		11/11/2014	10.50	88.68	
		6/23/2015	9.68	89.50	
		6/20/2016	11.13	88.05	
		6/13/2017	8.25	90.93	
	NS	8/9/2019	10.22	NS	
MW-6	98.01	6/16/2004	9.04	88.97	
		8/25/2004	8.88	89.13	
		12/14/2009	7.67	90.34	
		8/10/2010	11.80	86.21	
		11/17/2011	7.22	90.79	
		6/11/2012	9.10	88.91	
		8/23/2013	10.25	87.76	
		6/10/2014	9.53	88.48	
		8/21/2014	10.68	87.33	
		11/11/2014	9.48	88.53	
		6/23/2015	8.95	89.06	
		11/17/2015	10.30	87.71	
		6/20/2016	10.57	87.44	
		11/17/2016	10.05	87.96	
		6/13/2017	7.92	90.09	
		11/20/2017	9.02	88.99	
		11/12/2018	6.00	92.01	
	115.55	6/24/2019	8.61	106.94	
		8/9/2019	9.43	106.12	
		11/11/2019	8.31	107.24	

TABLE 4A
SUMMARY OF GROUNDWATER ELEVATIONS - UPPER HYDROGEOLOGIC UNIT
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Well ID	Well Elevation (TOC)	Date	Depth to Water	Groundwater Elevation	DNAPL Thickness
MW-7S	99.47	6/16/2004	10.95	88.52	
		8/25/2004	10.78	88.69	
		8/3/2006	11.56	87.91	
		8/6/2007	12.32	87.15	
		8/11/2008	9.54	89.93	
		9/2/2009	11.25	88.22	
		12/14/2009	9.31	90.16	
		8/10/2010	13.39	86.08	
		11/9/2010	11.33	88.14	
		11/17/2011	8.79	90.68	
		6/11/2012	10.79	88.68	
		11/5/2012	10.42	89.05	
		8/23/2013	11.94	87.53	
		11/4/2013	11.88	87.59	
		6/10/2014	11.33	88.14	
		8/21/2014	12.46	87.01	
		11/11/2014	11.39	88.08	
		6/23/2015	10.86	88.61	
		6/20/2016	12.18	87.29	
		6/13/2017	9.65	89.82	
		6/26/2018	11.21	88.26	
	116.98	6/24/2019	10.62	106.36	
		8/9/2019	11.35	105.63	
MW-8R	98.67	6/16/2004	11.00	87.67	
		8/25/2004	10.87	87.80	
		8/3/2006	11.69	86.98	
		8/11/2008	8.66	90.01	
		9/2/2009	10.58	88.09	
		12/14/2009	8.43	90.24	
		8/10/2010	12.67	86.00	
		11/9/2010	10.47	88.20	
		11/17/2011	7.96	90.71	
		6/11/2012	10.08	88.59	
		11/5/2012	9.58	89.09	
		8/23/2013	11.28	87.39	
		11/4/2013	11.12	87.55	
		6/10/2014	10.69	87.98	
		8/21/2014	11.78	86.89	
		11/11/2014	10.59	88.08	
		6/23/2015	10.17	88.50	
		6/20/2016	11.55	87.12	
		6/26/2018	11.71	86.96	
	116.96	6/24/2019	10.56	106.40	
		8/9/2019	11.35	105.61	
GZ-1U	99.6	6/16/2004	9.73	89.87	
		8/25/2004	10.38	89.22	
		8/6/2007	12.02	87.58	
		8/10/2010	13.14	86.46	
		11/17/2011	8.21	91.39	
		6/11/2012	10.11	89.49	
		8/23/2013	11.43	88.17	
		8/21/2014	12.11	87.49	
		11/11/2014	10.88	88.72	
		6/23/2015	7.61	91.99	
		6/20/2016	11.75	87.85	
		6/13/2017	8.86	90.74	
	117.21	6/24/2019	10.00	107.21	
		8/9/2019	10.72	106.49	

TABLE 4A
SUMMARY OF GROUNDWATER ELEVATIONS - UPPER HYDROGEOLOGIC UNIT
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Well ID	Well Elevation (TOC)	Date	Depth to Water	Groundwater Elevation	DNAPL Thickness
GZ-2	98.84	6/16/2004	7.75	91.09	
		6/16/2005	8.10	90.74	
		8/22/2005	10.00	88.84	
		11/15/2005	9.10	89.74	
		6/12/2006	6.30	92.54	
		8/3/2006	10.40	88.44	
		8/6/2007	11.70	87.14	
		9/7/2007	12.66	86.18	
		11/26/2007	11.10	87.74	
		8/11/2008	8.96	89.88	
		11/19/2008	9.65	89.19	
		9/2/2009	10.51	88.33	
		12/14/2009	8.25	90.59	
		8/10/2010	12.77	86.07	
		11/9/2010	10.98	87.86	
		8/17/2011	11.11	87.73	
		11/17/2011	8.21	90.63	
		6/11/2012	10.08	88.76	
		11/5/2012	9.13	89.71	
		8/23/2013	11.26	87.58	
		11/4/2013	11.49	87.35	
		6/10/2014	10.54	88.30	
		7/1/2014	11.28	87.56	
		8/21/2014	11.68	87.16	
		11/11/2014	10.87	87.97	
		6/23/2015	10.21	88.63	
		8/24/2015	12.04	86.80	
		11/17/2015	11.73	87.11	
		6/20/2016	11.52	87.32	
		11/17/2016	11.45	87.39	
		11/20/2017	10.26	88.58	
		6/26/2018	3.80	95.04	
		11/12/2018	7.14	91.70	
	114.06	6/24/2019	3.42	110.64	
		11/11/2019	9.88	104.18	

TABLE 4A
SUMMARY OF GROUNDWATER ELEVATIONS - UPPER HYDROGEOLOGIC UNIT
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Well ID	Well Elevation (TOC)	Date	Depth to Water	Groundwater Elevation	DNAPL Thickness
GZ-3A	96.56	6/16/2004	7.05	89.51	
		6/16/2005	6.13	90.43	
		8/22/2005	8.90	87.66	
		11/15/2005	5.70	90.86	
		6/12/2006	3.20	93.36	
		8/3/2006	7.60	88.96	
		8/6/2007	8.70	87.86	
		11/26/2007	7.90	88.66	
		8/11/2008	5.66	90.90	
		11/19/2008	8.95	87.61	
		9/2/2009	6.98	89.58	
		12/14/2009	4.41	92.15	
		8/10/2010	9.67	86.89	
		11/9/2010	8.29	88.27	
		8/17/2011	7.71	88.85	
		11/17/2011	5.06	91.50	
		6/11/2012	6.79	89.77	
		8/6/2012	9.17	87.39	
		11/5/2012	7.41	89.15	
		8/23/2013	7.94	88.62	
		11/4/2013	8.63	87.93	
		6/10/2014	7.04	89.52	
		8/21/2014	9.15	87.41	
		11/11/2014	7.94	88.62	
		6/23/2015	6.73	89.83	
		8/24/2015	9.09	87.47	
		11/17/2015	8.64	87.92	
		6/20/2016	8.12	88.44	
		11/17/2016	8.52	88.04	
		6/13/2017	5.99	90.57	
		11/20/2017	6.94	89.62	
		11/12/2018	4.01	92.55	
	113.61	6/24/2019	6.51	107.10	
		8/8/2019	7.77	105.84	
		11/11/2019	6.72	106.89	
GZ-4U	94.71	8/25/2004	5.92	88.79	
		8/6/2007	8.60	86.11	
		12/14/2009	4.47	90.24	
		8/10/2010	9.61	85.10	
		11/17/2011	4.81	89.90	
		6/11/2012	6.16	88.55	
		8/23/2013	7.62	87.09	
		8/21/2014	8.28	86.43	
		11/11/2014	6.42	88.29	
		6/23/2015	5.96	88.75	
		6/20/2016	7.95	86.76	
		6/13/2017	5.91	88.80	
	112.31	8/9/2019	6.35	105.96	
GZ-5R	96.09	6/11/2012	7.17	88.92	
		8/23/2013	8.22	87.87	
		8/21/2014	8.76	87.33	
		11/11/2014	7.83	88.26	
		6/23/2015	7.02	89.07	
		6/20/2016	8.45	87.64	
		6/13/2017	6.56	89.53	
	113.71	6/24/2019	6.01	107.70	
		8/9/2019	7.60	106.11	

TABLE 4A
SUMMARY OF GROUNDWATER ELEVATIONS - UPPER HYDROGEOLOGIC UNIT
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Well ID	Well Elevation (TOC)	Date	Depth to Water	Groundwater Elevation	DNAPL Thickness
GZ-6	96.94	6/11/2012	5.99	90.95	
		8/23/2013	7.83	89.11	
		8/21/2014	7.86	89.08	
		11/11/2014	6.39	90.55	
		6/23/2015	5.63	91.31	
		6/20/2016	7.75	89.19	
		6/13/2017	5.80	91.14	
	114.80	6/24/2019	5.71	109.09	
		8/5/2019	7.25	107.55	
GZ-7	97.32	6/11/2012	6.74	90.58	
		8/21/2014	9.54	87.78	
		11/11/2014	8.11	89.21	
		6/23/2015	6.50	90.82	
		6/20/2016	8.80	88.52	
		6/13/2017	6.04	91.28	
	NS				
GZ-8U	97.63	6/16/2004	5.67	91.96	
		8/25/2004	4.91	92.72	
		8/6/2007	7.63	90.00	
		12/14/2009	5.62	92.01	
		8/10/2010	8.74	88.89	
		6/11/2012	5.73	91.90	
		8/23/2013	7.12	90.51	
		8/21/2014	7.72	89.91	
		11/11/2014	6.81	90.82	
		6/23/2015	5.94	91.69	
		6/20/2016	7.12	90.51	
		6/13/2017	5.21	92.42	
		11/12/2018	4.05	93.58	
	115.26				
GZ-9U	95.22	6/16/2004	6.94	88.28	
		8/25/2004	6.72	88.50	
		8/6/2007	8.78	86.44	
		12/14/2009	4.93	90.29	
		8/10/2010	9.68	85.54	
		11/9/2010	6.99	88.23	
		8/17/2011	8.18	87.04	
		11/17/2011	4.85	90.37	
		6/11/2012	6.89	88.33	
		8/6/2012	9.40	85.82	
		11/5/2012	6.03	89.19	
		8/23/2013	8.16	87.06	
		11/4/2013	7.64	87.58	
		6/10/2014	7.31	87.91	
		7/1/2014	8.28	86.94	
		8/21/2014	8.89	86.33	
		11/11/2014	6.93	88.29	
		6/23/2015	7.13	88.09	
		8/24/2015	9.10	86.12	
		11/17/2015	7.73	87.49	
		6/20/2016	8.47	86.75	
		11/17/2016	7.37	87.85	
		6/13/2017	5.74	89.48	
		11/20/2017	6.40	88.82	
		11/12/2018	2.51	92.71	
	115.99	8/9/2019	7.75	108.24	
		11/11/2019	6.02	109.97	

TABLE 4A
SUMMARY OF GROUNDWATER ELEVATIONS - UPPER HYDROGEOLOGIC UNIT
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Well ID	Well Elevation (TOC)	Date	Depth to Water	Groundwater Elevation	DNAPL Thickness
GZ-10UR	90.76	6/10/2014	2.67	88.09	
		7/1/2014	3.92	86.84	
		8/21/2014	3.92	86.84	
		11/11/2014	2.87	87.89	
		6/23/2015	0.67	90.09	
		11/17/2015	3.38	87.38	
		6/20/2016	4.25	86.51	
		11/17/2016	3.53	87.23	
		6/13/2017	2.42	88.34	
		11/20/2017	1.82	88.94	
		6/26/2018	2.91	87.85	
	114.13	6/24/2019	9.83	104.30	
		8/9/2019	8.75	105.38	
		11/11/2019	8.72	105.41	
GZ-403U	96.19	11/15/2005	8.10	88.09	
		8/6/2007	10.70	85.49	
		11/26/2007	9.00	87.19	
		8/11/2008	8.05	88.14	
		11/19/2008	7.55	88.64	
		9/2/2009	9.35	86.84	
		12/14/2009	8.07	88.12	
		8/10/2010	12.12	84.07	
		11/9/2010	8.83	87.36	
		8/17/2011	9.18	87.01	
		11/17/2011	7.74	88.45	
		6/11/2012	8.76	87.43	
		8/23/2013	10.09	86.10	
		8/21/2014	10.36	85.83	
		11/11/2014	8.82	87.37	
		6/23/2015	8.80	87.39	
		11/17/2015	9.64	86.55	
		6/20/2016	10.00	86.19	
		6/13/2017	5.45	90.74	
		11/20/2017	8.33	87.86	
		11/12/2018	5.20	90.99	
	113.87	8/9/2019	8.95	104.92	
		11/11/2019	8.18	105.69	
GZ-404U	94.91	11/15/2005	6.80	88.11	
		8/6/2007	9.40	85.51	
		11/26/2007	7.80	87.11	
		8/11/2008	6.44	88.47	
		11/19/2008	6.26	88.65	
		9/2/2009	10.56	84.35	
		12/14/2009	6.09	88.82	
		8/10/2010	10.06	84.85	
		11/9/2010	7.41	87.50	
		8/17/2011	7.88	87.03	
		11/17/2011	5.83	89.08	
		6/11/2012	7.38	87.53	
		8/23/2013	8.70	86.21	
		8/21/2014	8.84	86.07	
		11/11/2014	7.60	87.31	
		6/23/2015	7.06	87.85	
		11/17/2015	8.32	86.59	
		6/20/2016	7.95	86.96	
		6/13/2017	7.00	87.91	
		11/20/2017	6.94	87.97	
		6/26/2018	7.36	87.55	
		11/12/2018	3.80	91.11	
	112.65	6/24/2019	7.21	105.44	
		8/9/2019	7.67	104.98	
		11/11/2019	6.98	105.67	

TABLE 4A
SUMMARY OF GROUNDWATER ELEVATIONS - UPPER HYDROGEOLOGIC UNIT
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Well ID	Well Elevation (TOC)	Date	Depth to Water	Groundwater Elevation	DNAPL Thickness
GZ-405U	97.31	8/22/2005	9.01	88.30	
		11/15/2005	5.00	92.31	
		8/6/2007	7.40	89.91	
		9/7/2007	8.96	88.35	
		11/26/2007	7.30	90.01	
		8/11/2008	4.69	92.62	
		11/19/2008	7.56	89.75	
		9/2/2009	6.65	90.66	
		12/14/2009	4.17	93.14	
		8/10/2010	9.65	87.66	
		11/9/2010	8.07	89.24	
		8/17/2011	8.38	88.93	
		11/17/2011	4.30	93.01	
		6/11/2012	6.31	91.00	
		8/23/2013	7.49	89.82	
		8/21/2014	8.63	88.68	
		11/11/2014	7.52	89.79	
		6/23/2015	5.47	91.84	
		11/17/2015	8.45	88.86	
		6/20/2016	7.72	89.59	
		6/13/2017	6.00	91.31	
		11/20/2017	7.15	90.16	
		6/26/2018	8.40	88.91	
		11/12/2018	2.96	94.35	
	114.26	6/24/2019	4.95	109.31	
		8/9/2019	6.35	107.91	
		11/11/2019	6.02	108.24	
GZ-406U	97.5	11/15/2005	5.40	92.10	
		8/3/2006	7.30	90.20	
		8/6/2007	9.40	88.10	
		12/14/2009	4.80	92.70	
		8/10/2010	10.52	86.98	
		11/17/2011	5.08	92.42	
		6/11/2012	6.93	90.57	
		8/23/2013	8.88	88.62	
		8/21/2014	9.86	87.64	
		11/11/2014	8.44	89.06	
		6/23/2015	6.25	91.25	
		6/20/2016	8.80	88.70	
		6/13/2017	5.66	91.84	
	NS	8/9/2019	7.35	NS	
GZ-407U	96.32	11/15/2005	3.40	92.92	
		8/6/2007	7.80	88.52	
		12/14/2009	3.24	93.08	
		8/10/2010	9.15	87.17	
		11/17/2011	3.44	92.88	
		6/11/2012	5.47	90.85	
		8/23/2013	7.52	88.80	
		8/21/2014	8.43	87.89	
		11/11/2014	6.78	89.54	
		6/23/2015	5.12	91.20	
		6/20/2016	7.95	88.37	
		6/13/2017	4.53	91.79	
	114.53	8/9/2019	6.45	108.08	

TABLE 4A
SUMMARY OF GROUNDWATER ELEVATIONS - UPPER HYDROGEOLOGIC UNIT
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Well ID	Well Elevation (TOC)	Date	Depth to Water	Groundwater Elevation	DNAPL Thickness
GZ-408	98.14	8/22/2005	9.91	88.23	
		11/15/2005	6.50	91.64	
		8/6/2007	9.80	88.34	
		9/7/2007	9.52	88.62	
		8/10/2010	10.65	87.49	
		11/17/2011	5.55	92.59	
		6/11/2012	7.40	90.74	
		8/23/2013	8.92	89.22	
		8/21/2014	10.10	88.04	
		11/11/2014	9.10	89.04	
		6/23/2015	7.25	90.89	
		6/20/2016	9.20	88.94	
		6/13/2017	7.76	90.38	
	NS	8/9/2019	8.05	NS	
GZ-409	97.76	8/22/2005	10.71	87.05	
		11/15/2005	7.60	90.16	
		8/6/2007	10.20	87.56	
		9/7/2007	11.37	86.39	
		8/10/2010	11.40	86.36	
		11/17/2011	6.81	90.95	
		6/11/2012	8.65	89.11	
		8/23/2013	9.85	87.91	
		6/10/2014	9.07	88.69	
		8/21/2014	10.61	87.15	
		11/11/2014	9.55	88.21	
		6/23/2015	8.69	89.07	
		6/20/2016	10.14	87.62	
		6/13/2017	7.55	90.21	
	NS	8/9/2019	9.23	NS	
GZ-410	95.47	8/22/2005	10.14	85.33	
		11/15/2005	5.70	89.77	
		8/6/2007	9.80	85.67	
		9/7/2007	10.95	84.52	
		12/14/2009	5.40	90.07	
		8/10/2010	11.08	84.39	
		11/17/2011	5.25	90.22	
		6/11/2012	7.34	88.13	
		8/23/2013	8.95	86.52	
		8/21/2014	9.95	85.52	
		11/11/2014	7.26	88.21	
		6/23/2015	7.18	88.29	
		6/20/2016	9.13	86.34	
		6/13/2017	6.31	89.16	
	113.03	8/9/2019	8.25	104.78	
GZ-411	94.02	8/22/2005	9.31	84.71	
		11/15/2005	5.10	88.92	
		8/6/2007	9.00	85.02	
		9/7/2007	10.02	84.00	
		12/14/2009	4.46	89.56	
		8/10/2010	10.13	83.89	
		11/17/2011	4.43	89.59	
		6/11/2012	6.61	87.41	
		8/23/2013	8.26	85.76	
		8/21/2014	8.66	85.36	
		11/11/2014	6.40	87.62	
		6/23/2015	6.32	87.70	
		6/20/2016	8.28	85.74	
		6/13/2017	5.66	88.36	
	NS	8/9/2019	6.96	NS	

TABLE 4A
SUMMARY OF GROUNDWATER ELEVATIONS - UPPER HYDROGEOLOGIC UNIT
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Well ID	Well Elevation (TOC)	Date	Depth to Water	Groundwater Elevation	DNAPL Thickness
GZ-412	91.72	8/22/2005	7.93	83.79	
		11/15/2005	5.00	86.72	
		8/6/2007	5.20	86.52	
		9/7/2007	8.78	82.94	
		8/10/2010	7.78	83.94	
		11/17/2011	2.45	89.27	
		6/11/2012	4.75	86.97	
		8/23/2013	5.95	85.77	
		7/1/2014	7.39	84.33	
		8/21/2014	6.19	85.53	
		11/11/2014	4.63	87.09	
		6/23/2015	4.18	87.54	
		6/20/2016	6.01	85.71	
		6/13/2017	3.82	87.90	
	NS	8/9/2019	4.92	NS	
GZ-500U	96.22	9/7/2007	8.04	88.18	
		12/14/2009	3.22	93.00	
		8/10/2010	8.73	87.49	
		11/17/2011	3.36	92.86	
		6/11/2012	5.13	91.09	
		8/23/2013	7.58	88.64	
		8/21/2014	8.03	88.19	
		11/11/2014	6.58	89.64	
		6/23/2015	4.73	91.49	
		6/20/2016	7.32	88.90	
		6/13/2017	4.19	92.03	
	NS	8/9/2019	5.61	NS	
GZ-501U	96.5	9/7/2007	8.44	88.06	
		12/14/2009	3.33	93.17	
		8/10/2010	8.92	87.58	
		11/17/2011	3.51	92.99	
		6/11/2012	5.49	91.01	
		8/23/2013	7.86	88.64	
		8/21/2014	8.41	88.09	
		11/11/2014	7.29	89.21	
		6/23/2015	5.11	91.39	
		6/20/2016	7.54	88.96	
		6/13/2017	4.58	91.92	
	114.09	8/9/2019	6.13	107.96	
GZ-502U	95.84	9/7/2007	7.63	88.21	
		12/14/2009	2.68	93.16	
		8/10/2010	8.39	87.45	
		8/17/2011	6.35	89.49	
		11/17/2011	3.12	92.72	
		6/11/2012	5.07	90.77	
		8/23/2013	6.87	88.97	
		8/21/2014	7.94	87.90	
		11/11/2014	6.74	89.10	
		6/23/2015	4.93	90.91	
		6/20/2016	7.22	88.62	
		6/13/2017	4.36	91.48	
	NS	8/9/2019	5.90	NS	

TABLE 4A
SUMMARY OF GROUNDWATER ELEVATIONS - UPPER HYDROGEOLOGIC UNIT
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Well ID	Well Elevation (TOC)	Date	Depth to Water	Groundwater Elevation	DNAPL Thickness
GZ-506U	96.61	9/7/2007	8.27	88.34	
		12/14/2009	3.53	93.08	
		8/10/2010	9.88	86.73	
		11/17/2011	3.61	93.00	
		6/11/2012	5.48	91.13	
		8/21/2014	8.55	88.06	
		11/11/2014	7.30	89.31	
		6/23/2015	5.22	91.39	
		6/20/2016	7.88	88.73	
		6/13/2017	4.53	92.08	
	NS	8/9/2019	6.00	NS	
GZ-508U	96.92	9/7/2007	8.90	88.02	
		12/14/2009	3.94	92.98	
		8/10/2010	9.52	87.40	
		8/17/2011	7.52	89.40	
		11/17/2011	4.23	92.69	
		6/11/2012	6.20	90.72	
		8/23/2013	7.92	89.00	
		8/21/2014	8.98	87.94	
		11/11/2014	7.82	89.10	
		6/23/2015	6.02	90.90	
		6/20/2016	8.15	88.77	
		6/13/2017	5.43	91.49	
	114.55	8/9/2019	6.83	107.72	
GZ-601U	97.46	9/7/2007	9.17	88.29	
		8/10/2010	10.07	87.39	
		11/9/2010	8.71	88.75	
		8/17/2011	7.83	89.63	
		11/17/2011	4.73	92.73	
		6/11/2012	6.67	90.79	
		8/6/2012	9.43	88.03	
		11/5/2012	7.70	89.76	
		8/23/2013	8.02	89.44	
		11/4/2013	9.67	87.79	
		6/10/2014	7.05	90.41	
		8/21/2014	9.44	88.02	
		9/25/2014	10.13	87.33	
		11/11/2014	8.28	89.18	
		6/23/2015	6.44	91.02	
		8/24/2015	9.39	88.07	
		6/20/2016	7.94	89.52	
		11/17/2016	9.21	88.25	
	115.07	8/6/2019	7.70	107.37	
GZ-602U	96.86	9/7/2007	8.70	88.16	
		8/10/2010	9.15	87.71	
		8/17/2011	7.20	89.66	
		11/17/2011	4.01	92.85	
		6/11/2012	5.93	90.93	
		8/23/2013	7.47	89.39	
		8/21/2014	8.67	88.19	
		11/11/2014	7.79	89.07	
		6/23/2015	5.74	91.12	
		6/20/2016	7.88	88.98	
		6/13/2017	5.35	91.51	
	NS				

TABLE 4A
SUMMARY OF GROUNDWATER ELEVATIONS - UPPER HYDROGEOLOGIC UNIT
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Well ID	Well Elevation (TOC)	Date	Depth to Water	Groundwater Elevation	DNAPL Thickness
GZ-603U	96.87	9/7/2007	8.85	88.02	
		11/17/2011	3.90	92.97	
		6/11/2012	6.06	90.81	
		8/23/2013	7.69	89.18	
		8/21/2014	8.78	88.09	
		11/11/2014	7.68	89.19	
		6/23/2015	5.72	91.15	
		6/20/2016	7.98	88.89	
		6/13/2017	5.28	91.59	
	114.47				
GZ-604U	95.75	9/7/2007	7.65	88.10	
		8/10/2010	8.32	87.43	
		8/17/2011	6.21	89.54	
		11/17/2011	2.92	92.83	
		6/11/2012	4.92	90.83	
		8/23/2013	6.63	89.12	
		8/21/2014	7.71	88.04	
		11/11/2014	6.53	89.22	
		6/23/2015	4.57	91.18	
		6/20/2016	6.90	88.85	
		6/13/2017	4.00	91.75	
	NS	8/9/2019	5.40	NS	
GZ-605U	96.5	9/7/2007	8.48	88.02	
		8/10/2010	8.20	88.30	
		11/17/2011	3.50	93.00	
		6/11/2012	5.43	91.07	
		8/23/2013	7.75	88.75	
		8/21/2014	7.93	88.57	
		11/11/2014	7.18	89.32	
		6/23/2015	5.04	91.46	
		6/20/2016	7.65	88.85	
		6/13/2017	4.49	92.01	
	NS				
GZ-606U	97.94	9/7/2007	9.72	88.22	
		12/14/2009	4.93	93.01	
		8/10/2010	10.51	87.43	
		11/9/2010	9.23	88.71	
		8/17/2011	8.27	89.67	
		11/17/2011	5.42	92.52	
		6/11/2012	7.35	90.59	
		8/6/2012	10.03	87.91	
		11/5/2012	8.16	89.78	
		8/23/2013	8.80	89.14	
		11/4/2013	10.15	87.79	
		6/10/2014	7.61	90.33	
		8/21/2014	9.96	87.98	
		9/25/2014	10.60	87.34	
		11/11/2014	8.93	89.01	
		6/23/2015	7.14	90.80	
		8/24/2015	10.03	87.91	
		6/20/2016	9.07	88.87	
		11/17/2016	9.82	88.12	
		6/13/2017	8.04	89.90	
	115.50				

TABLE 4A
SUMMARY OF GROUNDWATER ELEVATIONS - UPPER HYDROGEOLOGIC UNIT
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Well ID	Well Elevation (TOC)	Date	Depth to Water	Groundwater Elevation	DNAPL Thickness
GZ-607U	96.83	9/7/2007	8.73	88.10	
		12/14/2009	3.63	93.20	
		8/10/2010	9.36	87.47	
		11/9/2010	7.87	88.96	
		8/17/2011	7.16	89.67	
		11/17/2011	4.00	92.83	
		6/11/2012	6.10	90.73	
		8/6/2012	8.81	88.02	
		11/5/2012	7.06	89.77	
		8/23/2013	7.61	89.22	
		11/4/2013	9.05	87.78	
		6/10/2014	6.30	90.53	
		8/21/2014	8.78	88.05	
		11/11/2014	7.79	89.04	
		6/23/2015	5.89	90.94	
		8/24/2015	8.88	87.95	
		11/17/2015	8.68	88.15	
		6/20/2016	7.82	89.01	
		11/17/2016	8.64	88.19	
		6/13/2017	5.40	91.43	
		11/20/2017	6.92	89.91	
		6/26/2018	7.32	89.51	
		11/12/2018	3.61	93.22	
	114.70	6/24/2019	5.55	109.15	
		8/8/2019	6.70	108.00	
		11/11/2019	6.34	108.36	
GZ-608U	96.85	9/7/2007	8.78	88.07	
		12/14/2009	3.48	93.37	
		8/10/2010	9.10	87.75	
		8/17/2011	7.17	89.68	
		11/17/2011	3.87	92.98	
		6/11/2012	5.86	90.99	
		8/23/2013	7.51	89.34	
		8/21/2014	8.62	88.23	
		9/25/2014	7.60	89.25	
		11/11/2014	5.60	91.25	
		11/17/2015	8.08	88.77	
		6/13/2017	5.25	91.60	
	NS				

TABLE 4A
SUMMARY OF GROUNDWATER ELEVATIONS - UPPER HYDROGEOLOGIC UNIT
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Well ID	Well Elevation (TOC)	Date	Depth to Water	Groundwater Elevation	DNAPL Thickness
GZ-609U	98.7	9/7/2007	10.77	87.93	
		12/14/2009	5.55	93.15	
		8/10/2010	11.31	87.39	
		11/9/2010	10.01	88.69	
		8/17/2011	9.16	89.54	
		11/17/2011	6.08	92.62	
		6/11/2012	8.06	90.64	
		8/6/2012	10.64	88.06	
		11/5/2012	8.87	89.83	
		8/23/2013	9.55	89.15	
		11/4/2013	10.92	87.78	
		6/10/2014	8.27	90.43	
		8/21/2014	10.80	87.90	
		11/11/2014	9.70	89.00	
		6/23/2015	7.88	90.82	
		8/24/2015	10.08	88.62	
		11/17/2015	10.78	87.92	
		6/20/2016	9.72	88.98	
		11/17/2016	10.34	88.36	
		6/13/2017	8.30	90.40	
		11/20/2017	8.95	89.75	
		6/26/2018	9.18	89.52	
		11/12/2018	5.56	93.14	
	116.26	6/24/2019	6.04	110.22	
		11/11/2019	8.85	107.41	
GZ-610U	96.98	9/7/2007	9.02	87.96	
		12/14/2009	7.14	89.84	
		8/10/2010	10.01	86.97	
		11/9/2010	8.40	88.58	
		8/17/2011	7.54	89.44	
		11/17/2011	4.40	92.58	
		6/11/2012	6.52	90.46	
		8/6/2012	9.22	87.76	
		11/5/2012	7.48	89.50	
		8/23/2013	8.11	88.87	
		11/4/2013	9.48	87.50	
		6/10/2014	6.73	90.25	
		8/21/2014	9.24	87.74	
		11/11/2014	8.14	88.84	
		6/23/2015	6.31	90.67	
		8/24/2015	9.40	87.58	
		6/20/2016	8.42	88.56	
		6/13/2017	5.69	91.29	
	114.92				
GZ-611U	96.12	9/7/2007	8.09	88.03	
		12/14/2009	3.01	93.11	
		8/10/2010	8.69	87.43	
		11/17/2011	3.19	92.93	
		6/11/2012	5.13	90.99	
		8/23/2013	7.50	88.62	
		8/21/2014	8.15	87.97	
		11/11/2014	6.86	89.26	
		6/23/2015	5.03	91.09	
		6/20/2016	7.49	88.63	
		6/13/2017	4.23	91.89	
	113.92	8/9/2019	5.92	108.00	

TABLE 4A
SUMMARY OF GROUNDWATER ELEVATIONS - UPPER HYDROGEOLOGIC UNIT
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Well ID	Well Elevation (TOC)	Date	Depth to Water	Groundwater Elevation	DNAPL Thickness
GZ-612U	97.67	9/7/2007	9.18	88.49	
		8/10/2010	10.30	87.37	
		11/9/2010	8.96	88.71	
		8/17/2011	7.93	89.74	
		11/17/2011	5.19	92.48	
		6/11/2012	6.96	90.71	
		8/6/2012	9.59	88.08	
		11/5/2012	7.93	89.74	
		8/23/2013	8.58	89.09	
		11/4/2013	9.91	87.76	
		6/10/2014	7.36	90.31	
		8/21/2014	9.70	87.97	
		11/11/2014	8.65	89.02	
		6/23/2015	6.82	90.85	
		8/24/2015	9.79	87.88	
		11/17/2015	9.54	88.13	
		6/20/2016	8.88	88.79	
		11/17/2016	9.38	88.29	
		6/13/2017	6.34	91.33	
		11/20/2017	7.80	89.87	
		6/26/2018	8.30	89.37	
		11/12/2018	3.65	94.02	
	115.24	6/24/2019	6.46	108.78	
		8/8/2019	7.79	107.45	
		11/11/2019	7.43	107.81	
GZ-613U	97.57	9/7/2007	8.60	88.97	
		8/10/2010	10.09	87.48	
		11/17/2011	5.28	92.29	
		6/11/2012	7.04	90.53	
		8/23/2013	8.43	89.14	
		8/21/2014	9.56	88.01	
		11/11/2014	8.55	89.02	
		6/23/2015	6.92	90.65	
		6/20/2016	8.72	88.85	
		6/13/2017	6.34	91.23	
	NS	8/9/2019	7.70	NS	
GZ-614U	97.79	9/7/2007	10.05	87.74	
		8/10/2010	10.61	87.18	
		8/17/2011	8.76	89.03	
		11/17/2011	5.63	92.16	
		6/11/2012	7.54	90.25	
		8/23/2013	8.94	88.85	
		8/21/2014	9.96	87.83	
		11/11/2014	8.88	88.91	
		6/23/2015	7.35	90.44	
		6/20/2016	9.18	88.61	
		6/13/2017	6.64	91.15	
	NS	8/9/2019	8.10	NS	
GZ-615U	97.47	9/7/2007	10.76	86.71	
		12/14/2009	4.88	92.59	
		8/10/2010	10.27	87.20	
		11/17/2011	5.00	92.47	
		6/11/2012	7.05	90.42	
		8/23/2013	8.53	88.94	
		8/21/2014	9.63	87.84	
		11/11/2014	8.39	89.08	
		6/23/2015	6.94	90.53	
		6/20/2016	8.83	88.64	
		6/13/2017	6.13	91.34	
	115.10	8/9/2019	7.75	107.35	

TABLE 4A
SUMMARY OF GROUNDWATER ELEVATIONS - UPPER HYDROGEOLOGIC UNIT
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Well ID	Well Elevation (TOC)	Date	Depth to Water	Groundwater Elevation	DNAPL Thickness
GZ-616U	97.95	9/7/2007	10.50	87.45	
		12/14/2009	5.89	92.06	
		8/10/2010	10.96	86.99	
		11/9/2010	9.23	88.72	
		8/17/2011	8.80	89.15	
		11/17/2011	6.02	91.93	
		6/11/2012	7.93	90.02	
		8/6/2012	10.47	87.48	
		11/5/2012	8.35	89.60	
		8/23/2013	9.27	88.68	
		11/4/2013	10.24	87.71	
		6/10/2014	8.21	89.74	
		8/21/2014	10.24	87.71	
		11/11/2014	9.12	88.83	
		6/23/2015	7.76	90.19	
		8/24/2015	10.34	87.61	
		6/20/2016	9.56	88.39	
		6/13/2017	6.94	91.01	
	115.46	8/9/2019	8.45	107.01	
GZ-617U	97.53	9/7/2007	9.02	88.51	
		12/14/2009	4.29	93.24	
		8/10/2010	10.12	87.41	
		11/17/2011	4.92	92.61	
		6/11/2012	7.00	90.53	
		8/23/2013	8.41	89.12	
		8/21/2014	9.52	88.01	
		11/11/2014	8.52	89.01	
		6/23/2015	6.63	90.90	
		6/20/2016	8.64	88.89	
		6/13/2017	6.14	91.39	
	NS	8/9/2019	7.53	NS	
GZ-618U	97.21	9/7/2007	8.64	88.57	
		8/10/2010	9.89	87.32	
		11/9/2010	8.41	88.80	
		8/17/2011	7.43	89.78	
		11/17/2011	4.67	92.54	
		6/11/2012	6.57	90.64	
		8/6/2012	9.26	87.95	
		11/5/2012	7.44	89.77	
		8/23/2013	8.11	89.10	
		11/4/2013	9.42	87.79	
		6/10/2014	6.32	90.89	
		8/21/2014	9.21	88.00	
		11/11/2014	8.16	89.05	
		6/23/2015	6.34	90.87	
		8/24/2015	9.33	87.88	
		6/20/2016	8.37	88.84	
		6/13/2017	5.88	91.33	
	114.74	8/6/2019	7.61	107.13	
GZ-619U	98.42	12/11/2007	10.80	87.62	
		8/10/2010	12.04	86.38	
		11/17/2011	7.36	91.06	
		6/11/2012	9.33	89.09	
		8/23/2013	10.56	87.86	
		8/21/2014	11.20	87.22	
		11/11/2014	10.18	88.24	
		6/23/2015	9.43	88.99	
		6/20/2016	9.52	88.90	
		6/13/2017	7.88	90.54	
	NS	8/9/2019	9.95	NS	

TABLE 4A
SUMMARY OF GROUNDWATER ELEVATIONS - UPPER HYDROGEOLOGIC UNIT
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Well ID	Well Elevation (TOC)	Date	Depth to Water	Groundwater Elevation	DNAPL Thickness
GZ-620U	95.85	12/11/2007	8.30	87.55	
		8/10/2010	10.19	85.66	
		11/17/2011	4.98	90.87	
		6/11/2012	7.21	88.64	
		8/23/2013	8.54	87.31	
		8/21/2014	9.34	86.51	
		11/11/2014	7.41	88.44	
		6/23/2015	6.85	89.00	
		6/20/2016	8.98	86.87	
		6/13/2017	5.87	89.98	
	113.45	8/9/2019	6.40	107.05	
GZ-701U	92.63	6/11/2012	4.55	88.08	
		8/23/2013	6.01	86.62	
		6/10/2014	4.67	87.96	
		8/21/2014	6.23	86.40	
		11/11/2014	4.85	87.78	
		6/23/2015	4.48	88.15	
		11/17/2015	5.47	87.16	
		6/20/2016	5.85	86.78	
		6/13/2017	5.44	87.19	
		11/20/2017	4.42	88.21	
		11/12/2018	2.15	90.48	
	110.38	11/11/2019	4.10	106.28	
GZ-801U	97.05	6/11/2012	6.45	90.60	
		8/23/2013	7.95	89.10	
		6/10/2014	6.67	90.38	
		8/21/2014	9.06	87.99	
		11/11/2014	7.98	89.07	
		6/23/2015	6.23	90.82	
		6/20/2016	8.18	88.87	
		6/13/2017	5.71	91.34	
	NS				
GZ-802US	96.24	6/11/2012	5.45	90.79	
		8/23/2013	6.95	89.29	
		6/10/2014	5.71	90.53	
		8/21/2014	8.13	88.11	
		9/25/2014	8.83	87.41	
		11/11/2014	7.23	89.01	
		6/23/2015	5.28	90.96	
		11/17/2015	8.11	88.13	
		6/20/2016	7.22	89.02	
		11/17/2016	7.98	88.26	
		6/13/2017	4.96	91.28	
		11/20/2017	7.45	88.79	
		6/26/2018	6.80	89.44	
		11/12/2018	2.41	93.83	
	113.93	6/24/2019	4.99	108.94	
		8/9/2019	6.22	107.71	
		11/11/2019	5.16	108.77	
GZ-802UD	96.01	6/11/2012	5.39	90.62	
		8/23/2013	6.92	89.09	
		6/10/2014	5.64	90.37	
		8/21/2014	8.03	87.98	
		9/25/2014	8.69	87.32	
		11/11/2014	6.99	89.02	
		6/23/2015	5.21	90.80	
		6/20/2016	7.22	88.79	
		11/17/2016	7.83	88.18	
		6/13/2017	4.68	91.33	
	NS	8/8/2019	6.05	NS	

TABLE 4A
SUMMARY OF GROUNDWATER ELEVATIONS - UPPER HYDROGEOLOGIC UNIT
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Well ID	Well Elevation (TOC)	Date	Depth to Water	Groundwater Elevation	DNAPL Thickness
GZ-803U	98.29	6/11/2012	7.87	90.42	
		8/23/2013	9.36	88.93	
		6/10/2014	8.09	90.20	
		8/21/2014	10.40	87.89	
		11/11/2014	9.34	88.95	
		6/23/2015	7.65	90.64	
		6/20/2016	9.58	88.71	
		6/13/2017	6.99	91.30	
	NS				
GZ-901U	93.01	6/10/2014	6.22	86.79	
		7/1/2014	6.97	86.04	
		8/21/2014	7.05	85.96	
		11/11/2014	6.25	86.76	
		6/23/2015	5.26	87.75	
		11/17/2015	7.00	86.01	
		6/20/2016	7.02	85.99	
		11/17/2016	6.72	86.29	
		6/13/2017	5.39	87.62	
		11/20/2017	5.53	87.48	
		11/12/2018	0.90	92.11	
	113.78	6/24/2019	4.71	109.07	
		8/9/2019	6.16	107.62	
		11/11/2019	5.44	108.34	
GZ-902U	93.58	6/10/2014	7.25	86.33	
		7/1/2014	7.63	85.95	
		8/21/2014	7.64	85.94	
		11/11/2014	6.89	86.69	
		6/23/2015	6.13	87.45	
		11/17/2015	7.64	85.94	
		6/20/2016	7.67	85.91	
		11/17/2016	7.40	86.18	
		6/13/2017	5.56	88.02	
		11/20/2017	6.16	87.42	
		11/12/2018	1.40	92.18	
	114.34	8/9/2019	6.92	107.42	
		11/11/2019	5.91	108.43	
GZ-903U	NS	10/24/2014	0.41	NS	
		11/7/2014	2.58	NS	
		11/11/2014	2.78	NS	
		11/17/2015	3.49	NS	
		6/20/2016	3.36	NS	
		11/17/2016	3.24	NS	
		6/26/2018	3.02	NS	
	110.67	6/24/2019	2.35	108.32	
		8/9/2019	2.50	108.17	
		11/11/2019	2.27	108.40	
GZ-904U	NS	10/24/2014	5.98	NS	
		11/7/2014	7.78	NS	
		11/11/2014	7.98	NS	
		11/17/2015	8.63	NS	
		6/20/2016	8.58	NS	
		11/17/2016	8.54	NS	
		6/26/2018	8.22	NS	
		11/12/2018	2.80	NS	
	NS	6/24/2019	7.20	NS	
		8/9/2019	7.80	NS	
		11/11/2019	5.59	NS	

TABLE 4A
SUMMARY OF GROUNDWATER ELEVATIONS - UPPER HYDROGEOLOGIC UNIT
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Well ID	Well Elevation (TOC)	Date	Depth to Water	Groundwater Elevation	DNAPL Thickness
GZ-905U	NS	10/24/2014	3.91	NS	
		11/7/2014	6.75	NS	
		11/11/2014	6.98	NS	
		11/17/2015	7.64	NS	
		6/20/2016	7.59	NS	
		11/17/2016	7.42	NS	
		6/26/2018	7.28	NS	
		11/12/2018	1.14	NS	
	114.37	6/24/2019	7.00	107.37	
		8/9/2019	6.90	107.47	
		11/11/2019	5.64	108.73	
GZ-TW-1U	96.59	9/8/2014	9.02	87.57	
		9/10/2014	8.98	87.61	
		9/15/2014	9.09	87.50	
		9/25/2014	9.31	87.28	
		11/12/2014	7.57	89.02	
		3/10/2015	6.38	90.21	
		6/20/2016	7.78	88.81	
		11/17/2016	8.42	88.17	
		6/13/2017	5.31	91.28	
	114.18	8/8/2019	5.68	108.50	
GZ-TW-1L	96.48	9/8/2014	8.91	87.57	Note 4
		9/10/2014	8.91	87.57	0.04
		9/15/2014	9.02	87.46	0.10
		9/25/2014	9.28	87.20	0.25
		11/12/2014	7.50	88.98	0.10
		12/23/2014	4.39	92.09	0.06
		1/9/2015	5.03	91.45	0.06
		3/10/2015	6.22	90.26	0.04
		6/20/2016	7.72	88.76	
		11/17/2016	8.31	88.17	
		6/13/2017	5.17	91.31	
	114.06	6.51	6.51	107.55	
GZ-TW-2	96.19	9/8/2014	8.60	87.59	
		9/10/2014	8.61	87.58	
		9/15/2014	8.72	87.47	
		9/25/2014	8.87	87.32	
		11/12/2014	7.18	89.01	
		3/10/2015	5.98	90.21	
		6/23/2015	5.42	90.77	
		6/20/2016	7.42	88.77	
		11/17/2016	8.10	88.09	
		6/13/2017	5.49	90.70	
	NS				
GZ-TW-3	96.92	9/15/2014	9.50	87.42	
		9/25/2014	9.64	87.28	
		11/7/2014	7.90	89.02	
		11/12/2014	7.91	89.01	
		3/10/2015	6.78	90.14	
		6/23/2015	6.20	90.72	
		6/20/2016	8.22	88.70	
		11/17/2016	8.80	88.12	
		6/13/2017	5.69	91.23	
	NS				

TABLE 4A
SUMMARY OF GROUNDWATER ELEVATIONS - UPPER HYDROGEOLOGIC UNIT
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Well ID	Well Elevation (TOC)	Date	Depth to Water	Groundwater Elevation	DNAPL Thickness
GZ-TW-4	96.36	9/15/2014	8.86	87.50	
		9/25/2014	8.06	88.30	
		11/12/2014	7.36	89.00	
		3/10/2015	6.22	90.14	
		6/23/2015	5.61	90.75	
		6/20/2016	7.60	88.76	
		11/17/2016	8.23	88.13	
		6/13/2017	5.17	91.19	
	NS				
UW19-01U	114.64	8/5/2019	7.72	106.92	
UW19-02U	115.83	8/7/2019	7.04	108.79	
UW19-03U	114.67	8/7/2019	9.18	105.49	
UW19-04U	116.00	8/7/2019	8.99	107.01	
UW19-05U	114.68	8/7/2019	8.02	106.66	
UW19-06U	115.58	8/7/2019	8.63	106.95	
MW19-01U	113.34	8/5/2019	8.58	104.76	
MW19-02U	114.87	8/5/2019	9.98	104.89	
MW19-03U	113.04	8/5/2019	5.01	108.03	
MW19-04U	113.20	8/6/2019	6.22	106.98	
MW19-05U	114.88	8/6/2019	7.72	107.16	
PZ19-2*	114.29	8/7/2019	6.99	107.30	
PZ19-6*	108.81	8/7/2019	5.44	103.37	
PZ19-7*	108.56	8/7/2019	4.50	104.06	
SW-1†	99.36	6/16/2004	12.66	86.70	
		8/25/2004	11.91	87.45	
		8/22/2005	13.48	85.88	
		11/15/2005	9.80	89.56	
		6/12/2006	6.30	93.06	
		8/3/2006	13.20	86.16	
		8/6/2007	13.20	86.16	
		11/26/2007	12.80	86.56	
		8/11/2008	9.36	90.00	
		11/19/2008	11.50	87.86	
		9/2/2009	12.67	86.69	
		8/10/2010	13.68	85.68	
		11/9/2010	11.67	87.69	
		11/17/2011	9.60	89.76	
		6/11/2012	11.71	87.65	
		8/23/2013	13.00	86.36	
		6/10/2014	12.90	86.46	
		7/1/2014	13.22	86.14	
		8/21/2014	13.23	86.13	
		11/11/2014	12.63	86.73	
		6/23/2015	11.03	88.33	
		6/20/2016	13.25	86.11	
	103.15				
SW-2†					
	101.63				

TABLE 4A
SUMMARY OF GROUNDWATER ELEVATIONS - UPPER HYDROGEOLOGIC UNIT
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Well ID	Well Elevation (TOC)	Date	Depth to Water	Groundwater Elevation	DNAPL Thickness
SG-10	89.67	7/1/2014	3.54	86.13	
		8/21/2014	3.57	86.10	
		11/7/2014	3.39	86.28	
		11/11/2014	3.39	86.28	
SG-901	87.69	7/1/2014	1.69	86.00	
		8/21/2014	1.70	85.99	
		11/7/2014	0.88	86.81	
		11/11/2014	1.08	86.61	
		6/20/2016	1.35	86.34	
SG-902†	90.93	7/1/2014	4.96	85.97	
		8/21/2014	4.96	85.97	
		11/7/2014	4.27	86.66	
		11/11/2014	4.47	86.46	
		6/20/2016	4.92	86.01	
	116.41	11/11/2019	3.35	113.06	

Notes:
1. Measurements are in feet.
2. TOC = top of casing; NS = not surveyed during 2019 PDI survey
3. Elevation survey data were collected by WSP USA, Inc. on September 17, 2019 using a Nikon-AP-8 Automatic Level and are reported relavite to NAVD 88.
4. A Slope Indicator water level meter was used to collect the water level data for this round; however, the water levelmeter stopped responding to water prior to the bottom of the well indicating possible DNAPL.
5. * Indicates top of steel casing elevation
6. † Indicates ground surface elevation

TABLE 4B
SUMMARY OF GROUNDWATER ELEVATIONS - LOWER HYDROGEOLOGIC UNIT
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Well ID	Well Elevation (TOC)	Date	Depth to Water	Groundwater Elevation	DNAPL
Lower Unit Monitoring Wells					
MW-1D	91.03	6/16/2004	2.51	88.52	
		8/25/2004	2.20	88.83	
		8/6/2007	3.49	87.54	
		8/10/2010	4.69	86.34	
		11/9/2010	2.60	88.43	
		8/17/2011	2.76	88.27	
		11/17/2011	1.20	89.83	
		6/11/2012	3.58	87.45	
		8/6/2012	4.91	86.12	
		11/5/2012	2.63	88.40	
		8/23/2013	3.90	87.13	
		11/4/2013	3.92	87.11	
		6/10/2014	3.35	87.68	
		7/1/2014	3.87	87.16	
		8/21/2014	4.26	86.77	
		11/11/2014	3.46	87.57	
		6/23/2015	2.64	88.39	
		8/24/2015	4.59	86.44	
		11/17/2015	4.22	86.81	
		6/20/2016	4.13	86.90	
		11/17/2016	3.96	87.07	
		6/13/2017	2.27	88.76	
		11/20/2017	2.85	88.18	
		11/12/2018	0.00	91.03	
	108.67	6/24/2019	3.69	104.98	
		11/11/2019	2.96	105.71	
MW-7D	99.45	6/16/2004	10.95	88.50	
		8/25/2004	10.86	88.59	
		8/6/2007	12.33	87.12	
		12/14/2009	9.32	90.13	
		8/10/2010	13.38	86.07	
		11/17/2011	8.85	90.60	
		6/11/2012	10.80	88.65	
		8/23/2013	11.93	87.52	
		8/21/2014	12.44	87.01	
		11/11/2014	4.40	95.05	
		6/23/2015	10.83	88.62	
		6/20/2016	12.17	87.28	
		6/13/2017	9.76	89.69	
	NS				
GZ-1L	96.60	6/16/2004	8.19	88.41	
		8/25/2004	39.50	57.10	
		8/10/2010	10.40	86.20	
		11/17/2011	8.68	87.92	
		6/11/2012	7.89	88.71	
		8/21/2014	9.50	87.10	
		11/11/2014	8.28	88.32	
		6/23/2015	10.22	86.38	
		6/20/2016	9.02	87.58	
		6/13/2017	9.83	86.77	
	NS	6/24/2019	10.60	NS	

TABLE 4B
SUMMARY OF GROUNDWATER ELEVATIONS - LOWER HYDROGEOLOGIC UNIT
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Well ID	Well Elevation (TOC)	Date	Depth to Water	Groundwater Elevation	DNAPL
GZ-2L	97.92	6/16/2004	9.34	88.58	
		8/25/2004	9.12	88.80	
		6/16/2005	8.65	89.27	
		8/22/2005	11.01	86.91	
		11/15/2005	8.21	89.71	
		6/12/2006	5.22	92.70	
		8/3/2006	10.07	87.85	
		8/6/2007	10.77	87.15	
		9/7/2007	11.58	86.34	
		11/26/2007	10.31	87.61	
		8/11/2008	8.03	89.89	
		11/19/2008	9.81	88.11	
		9/2/2009	9.64	88.28	
		12/14/2009	7.62	90.30	
		8/10/2010	11.81	86.11	
		11/9/2010	9.94	87.98	
		8/17/2011	10.08	87.84	
		11/17/2011	7.39	90.53	
		6/11/2012	9.30	88.62	
		11/5/2012	9.13	88.79	
		8/23/2013	10.32	87.60	
		11/4/2013	10.50	87.42	
		6/10/2014	9.72	88.20	
		7/1/2014	10.30	87.62	
		8/21/2014	10.77	87.15	
		11/11/2014	9.93	87.99	
		6/23/2015	9.18	88.74	
		8/24/2015	10.97	86.95	
		11/17/2015	10.71	87.21	
		6/20/2016	10.50	87.42	
		11/17/2016	9.51	88.41	
		6/13/2017	8.48	89.44	
		11/20/2017	9.31	88.61	
		6/26/2018	9.93	87.99	
		11/12/2018	6.25	91.67	
	115.48	6/24/2019	9.03	106.45	
		11/11/2019	8.92	106.56	

TABLE 4B
SUMMARY OF GROUNDWATER ELEVATIONS - LOWER HYDROGEOLOGIC UNIT
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Well ID	Well Elevation (TOC)	Date	Depth to Water	Groundwater Elevation	DNAPL
GZ-3L	96.33	6/16/2004	7.68	88.65	
		8/25/2004	7.64	88.69	
		6/16/2005	7.03	89.30	
		8/22/2005	9.40	86.93	
		11/15/2005	6.77	89.56	
		6/12/2006	4.08	92.25	
		8/3/2006	8.44	87.89	
		8/6/2007	9.14	87.19	
		11/26/2007	8.75	87.58	
		8/11/2008	6.78	89.55	
		11/19/2008	8.95	87.38	
		9/2/2009	8.04	88.29	
		12/14/2009	5.45	90.88	
		8/10/2010	10.21	86.12	
		11/9/2010	8.40	87.93	
		8/17/2011	8.46	87.87	
		11/17/2011	6.20	90.13	
		6/11/2012	7.73	88.60	
		8/6/2012	9.66	86.67	
		11/5/2012	7.71	88.62	
		8/23/2013	8.72	87.61	
		11/4/2013	9.02	87.31	
		6/10/2014	8.12	88.21	
		8/21/2014	9.19	87.14	
		11/11/2014	8.40	87.93	
		6/23/2015	7.62	88.71	
		8/24/2015	9.42	86.91	
		11/17/2015	9.17	87.16	
		6/20/2016	8.92	87.41	
		11/17/2016	8.97	87.36	
		6/13/2017	7.02	89.31	
		11/20/2017	7.75	88.58	
		6/26/2018	8.31	88.02	
		11/12/2018	9.82	86.51	
	113.97	6/24/2019	7.41	106.56	
		8/8/2019	8.28	105.69	
		11/11/2019	7.59	106.38	

TABLE 4B
SUMMARY OF GROUNDWATER ELEVATIONS - LOWER HYDROGEOLOGIC UNIT
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Well ID	Well Elevation (TOC)	Date	Depth to Water	Groundwater Elevation	DNAPL
GZ-4L	94.70	6/16/2004	6.42	88.28	
		8/25/2004	2.61	92.09	
		6/16/2005	5.65	89.05	
		8/22/2005	7.82	86.88	
		11/15/2005	5.45	89.25	
		6/12/2006	2.84	91.86	
		8/3/2006	6.93	87.77	
		8/6/2007	7.51	87.19	
		11/26/2007	7.17	87.53	
		8/11/2008	5.36	89.34	
		11/19/2008	7.31	87.39	
		9/2/2009	6.48	88.22	
		12/14/2009	5.08	89.62	
		8/10/2010	8.65	86.05	
		11/9/2010	6.89	87.81	
		8/17/2011	6.90	87.80	
		11/17/2011	4.81	89.89	
		6/11/2012	6.20	88.50	
		8/6/2012	8.03	86.67	
		11/5/2012	6.30	88.40	
		8/23/2013	7.11	87.59	
		11/4/2013	7.48	87.22	
		6/10/2014	6.51	88.19	
		8/21/2014	7.57	87.13	
		11/11/2014	6.85	87.85	
		6/23/2015	6.02	88.68	
		8/24/2015	7.76	86.94	
		6/20/2016	7.27	87.43	
		6/13/2017	5.65	89.05	
	112.31	8/5/2019	6.97	105.34	
GZ-8L	95.99	6/16/2004	6.91	89.08	
		8/25/2004	6.84	89.15	
		6/16/2005	10.61	85.38	
		8/22/2005	8.60	87.39	
		11/15/2005	5.54	90.45	
		6/12/2006	2.83	93.16	
		8/3/2006	7.46	88.53	
		8/6/2007	8.23	87.76	
		11/26/2007	7.91	88.08	
		8/11/2008	5.69	90.30	
		11/19/2008	6.66	89.33	
		9/2/2009	7.36	88.63	
		12/14/2009	4.08	91.91	
		8/10/2010	9.28	86.71	
		11/9/2010	7.60	88.39	
		8/17/2011	7.79	88.20	
		11/17/2011	5.11	90.88	
		6/11/2012	6.88	89.11	
		8/6/2012	8.83	87.16	
		11/5/2012	6.79	89.20	
		8/23/2013	7.92	88.07	
		11/4/2013	8.16	87.83	
		6/10/2014	8.53	87.46	
		8/21/2014	8.39	87.60	
		11/11/2014	7.58	88.41	
		6/23/2015	6.80	89.19	
		8/24/2015	8.60	87.39	
		6/20/2016	8.09	87.90	
		6/13/2017	5.97	90.02	
	NS	6/24/2019	6.60	NS	

TABLE 4B
SUMMARY OF GROUNDWATER ELEVATIONS - LOWER HYDROGEOLOGIC UNIT
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Well ID	Well Elevation (TOC)	Date	Depth to Water	Groundwater Elevation	DNAPL
GZ-9L	94.13	11/9/2010	6.49	87.64	
		8/17/2011	7.27	86.86	
		6/11/2012	6.27	87.86	
		8/6/2012	8.42	85.71	
		11/5/2012	5.80	88.33	
		8/23/2013	7.39	86.74	
		11/4/2013	7.14	86.99	
		6/10/2014	6.93	87.20	
		7/1/2014	7.42	86.71	
		8/21/2014	7.72	86.41	
		11/11/2014	6.80	87.33	
		6/23/2015	6.06	88.07	
		8/24/2015	8.01	86.12	
		11/17/2015	7.57	86.56	
		6/20/2016	7.55	86.58	
		11/17/2016	7.25	86.88	
		6/13/2017	5.61	88.52	
		11/20/2017	6.05	88.08	
		11/12/2018	1.50	92.63	
	114.91	6/24/2019	6.01	108.90	
		11/11/2019	5.91	109.00	
GZ-10LR	90.80	6/10/2014	2.98	87.82	
		7/1/2014	3.51	87.29	
		8/21/2014	3.97	86.83	
		11/11/2014	3.33	87.47	
		11/17/2015	4.07	86.73	
		6/20/2016	3.72	87.08	
		11/17/2016	3.83	86.97	
		11/20/2017	2.87	87.93	
		6/26/2018	3.51	87.29	
	114.24	6/24/2019	8.91	105.33	
		11/11/2019	8.41	105.83	
GZ-101	97.28	6/16/2004	8.69	88.59	
		8/25/2004	8.54	88.74	
		8/6/2007	4.33	92.95	
		8/10/2010	4.53	92.75	
		11/17/2011	7.10	90.18	
		6/11/2012	8.65	88.63	
		8/23/2013	9.66	87.62	
		8/21/2014	10.15	87.13	
		11/11/2014	9.34	87.94	
		6/23/2015	8.53	88.75	
		6/20/2016	9.81	87.47	
		6/13/2017	8.96	88.32	
	NS				
GZ-102	96.92	8/25/2004	8.25	88.67	
		8/6/2007	9.70	87.22	
		8/10/2010	10.83	86.09	
		11/17/2011	6.84	90.08	
		6/11/2012	8.31	88.61	
		8/23/2013	9.32	87.60	
		8/21/2014	9.77	87.15	
		11/11/2014	9.00	87.92	
		6/23/2015	8.18	88.74	
		6/20/2016	9.45	87.47	
		6/13/2017	7.68	89.24	
	114.56				

TABLE 4B
SUMMARY OF GROUNDWATER ELEVATIONS - LOWER HYDROGEOLOGIC UNIT
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Well ID	Well Elevation (TOC)	Date	Depth to Water	Groundwater Elevation	DNAPL
GZ-201L	96.50	6/16/2004	8.46	88.04	
		8/25/2004	8.25	88.25	
		6/16/2005	7.61	88.89	
		11/15/2005	7.43	89.07	
		8/6/2007	9.57	86.93	
		11/26/2007	9.06	87.44	
		8/11/2008	6.71	89.79	
		11/19/2008	8.17	88.33	
		9/2/2009	8.25	88.25	
		12/14/2009	6.56	89.94	
		8/10/2010	10.72	85.78	
		11/9/2010	8.46	88.04	
		8/17/2011	9.03	87.47	
		11/17/2011	6.22	90.28	
		6/11/2012	8.09	88.41	
		8/6/2012	10.24	86.26	
		11/5/2012	7.71	88.79	
		8/23/2013	9.21	87.29	
		11/4/2013	8.99	87.51	
		6/10/2014	8.63	87.87	
		7/1/2014	9.25	87.25	
		8/21/2014	9.67	86.83	
		11/11/2014	8.60	87.90	
		6/23/2015	8.02	88.48	
		8/24/2015	9.91	86.59	
		11/17/2015	9.42	87.08	
		6/20/2016	9.44	87.06	
		11/17/2016	9.12	87.38	
		6/13/2017	7.25	89.25	
		11/20/2017	9.82	86.68	
		6/26/2018	8.95	87.55	
		11/12/2018	4.10	92.40	
	114.05	6/24/2019	8.08	105.97	
		11/11/2019	6.61	107.44	

TABLE 4B
SUMMARY OF GROUNDWATER ELEVATIONS - LOWER HYDROGEOLOGIC UNIT
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Well ID	Well Elevation (TOC)	Date	Depth to Water	Groundwater Elevation	DNAPL
GZ-202L	97.38	6/16/2004	8.47	88.91	
		8/25/2004	8.30	89.08	
		6/16/2005	7.71	89.67	
		11/15/2005	7.20	90.18	
		8/6/2007	9.99	87.39	
		9/7/2007	10.97	86.41	
		11/26/2007	9.54	87.84	
		8/11/2008	7.32	90.06	
		11/19/2008	7.87	89.51	
		9/2/2009	9.72	87.66	
		12/14/2009	7.05	90.33	
		8/10/2010	11.12	86.26	
		11/9/2010	9.24	88.14	
		8/17/2011	9.45	87.93	
		11/17/2011	6.66	90.72	
		6/11/2012	8.47	88.91	
		8/6/2012	10.52	86.86	
		11/5/2012	8.29	89.09	
		8/23/2013	9.62	87.76	
		11/4/2013	9.75	87.63	
		6/10/2014	8.83	88.55	
		8/21/2014	10.12	87.26	
		11/11/2014	9.17	88.21	
		6/23/2015	8.52	88.86	
		8/24/2015	10.32	87.06	
		11/17/2015	9.98	87.40	
		6/20/2016	9.77	87.61	
		11/17/2016	9.75	87.63	
		6/13/2017	7.46	89.92	
		11/20/2017	8.52	88.86	
		11/12/2018	5.55	91.83	
	114.88				
GZ-203L	95.77	6/16/2004	8.37	87.40	
		6/16/2005	7.55	88.22	
		11/15/2005	6.78	88.99	
		12/14/2009	6.25	89.52	
		8/10/2010	10.49	85.28	
		11/9/2010	8.10	87.67	
		8/17/2011	8.96	86.81	
		11/17/2011	5.98	89.79	
		6/11/2012	7.91	87.86	
		8/6/2012	10.05	85.72	
		11/5/2012	7.39	88.38	
		8/23/2013	9.03	86.74	
		11/4/2013	8.77	87.00	
		6/10/2014	8.53	87.24	
		7/1/2014	9.09	86.68	
		8/21/2014	9.35	86.42	
		11/11/2014	8.40	87.37	
		6/23/2015	7.73	88.04	
		8/24/2015	9.67	86.10	
		6/20/2016	9.19	86.58	
		11/17/2016	9.19	86.58	
		6/13/2017	7.21	88.56	
	116.56	8/5/2019	9.01	107.55	

TABLE 4B
SUMMARY OF GROUNDWATER ELEVATIONS - LOWER HYDROGEOLOGIC UNIT
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Well ID	Well Elevation (TOC)	Date	Depth to Water	Groundwater Elevation	DNAPL
GZ-301L	99.02	6/16/2005	9.31	89.71	
		11/15/2005	8.47	90.55	
		8/6/2007	11.88	87.14	
		11/26/2007	11.10	87.92	
		8/11/2008	8.91	90.11	
		11/19/2008	9.73	89.29	
		9/2/2009	10.36	88.66	
		12/14/2009	8.59	90.43	
		8/10/2010	12.69	86.33	
		11/9/2010	10.89	88.13	
		8/17/2011	11.20	87.82	
		11/17/2011	8.09	90.93	
		6/11/2012	10.09	88.93	
		8/6/2012	12.52	86.50	
		11/5/2012	9.84	89.18	
		8/23/2013	11.24	87.78	
		11/4/2013	11.37	87.65	
		6/10/2014	10.51	88.51	
		8/21/2014	11.81	87.21	
		11/11/2014	10.78	88.24	
		6/23/2015	10.24	88.78	
		8/24/2015	12.01	87.01	
		11/17/2015	11.65	87.37	
		6/20/2016	11.48	87.54	
		11/17/2016	11.39	87.63	
		6/13/2017	8.92	90.10	
		11/20/2017	10.12	88.90	
		11/12/2018	6.45	92.57	
	116.52	11/11/2019	9.63	106.89	
GZ-302L	99.35	6/16/2005	10.10	89.25	
		11/15/2005	9.50	89.85	
		8/6/2007	12.25	87.10	
		8/10/2010	13.35	86.00	
		11/17/2011	8.76	90.59	
		6/11/2012	10.73	88.62	
		8/23/2013	11.88	87.47	
		8/21/2014	12.38	86.97	
		11/11/2014	11.32	88.03	
		6/23/2015	10.70	88.65	
		6/20/2016	12.10	87.25	
		6/13/2017	9.73	89.62	
	NS				

TABLE 4B
SUMMARY OF GROUNDWATER ELEVATIONS - LOWER HYDROGEOLOGIC UNIT
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Well ID	Well Elevation (TOC)	Date	Depth to Water	Groundwater Elevation	DNAPL
GZ-303L	96.84	6/16/2005	7.91	88.93	
		11/15/2005	6.77	90.07	
		8/6/2007	9.89	86.95	
		12/14/2009	6.84	90.00	
		8/10/2010	11.05	85.79	
		11/17/2011	6.48	90.36	
		6/11/2012	8.46	88.38	
		11/5/2012	7.93	88.91	
		8/23/2013	9.66	87.18	
		7/1/2014	9.72	87.12	
		8/21/2014	10.08	86.76	
		11/11/2014	8.98	87.86	
		6/23/2015	8.43	88.41	
		11/17/2015	9.82	87.02	
		6/20/2016	9.87	86.97	
		11/17/2016	9.53	87.31	
		6/13/2017	7.63	89.21	
		11/20/2017	8.35	88.49	
		6/26/2018	9.36	87.48	
		11/12/2018	4.71	92.13	
	114.31	6/24/2019	8.45	105.86	
		11/11/2019	8.18	106.13	
GZ-401L	97.09	11/15/2005	7.35	89.74	
		8/6/2007	9.54	87.55	
		12/14/2009	7.18	89.91	
		8/10/2010	10.74	86.35	
		11/17/2011	6.87	90.22	
		6/11/2012	8.30	88.79	
		8/23/2013	9.32	87.77	
		8/21/2014	9.75	87.34	
		11/11/2014	9.00	88.09	
		6/23/2015	8.15	88.94	
		6/20/2016	9.45	87.64	
		6/13/2017	7.68	89.41	
	114.72	8/5/2019	9.05	105.67	
GZ-402L	92.65	11/15/2005	3.46	89.19	
		8/6/2007	5.43	87.22	
		11/19/2008	3.95	88.70	
		12/14/2009	3.08	89.57	
		8/10/2010	6.60	86.05	
		11/9/2010	4.88	87.77	
		8/17/2011	4.86	87.79	
		11/17/2011	2.81	89.84	
		6/11/2012	4.15	88.50	
		8/6/2012	6.02	86.63	
		11/5/2012	4.27	88.38	
		8/23/2013	5.06	87.59	
		11/4/2013	5.43	87.22	
		6/10/2014	4.46	88.19	
		8/21/2014	5.48	87.17	
		11/11/2014	4.80	87.85	
		6/23/2015	3.98	88.67	
		8/24/2015	6.71	85.94	
		6/20/2016	5.28	87.37	
		6/13/2017	3.60	89.05	
	NS				

TABLE 4B
SUMMARY OF GROUNDWATER ELEVATIONS - LOWER HYDROGEOLOGIC UNIT
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Well ID	Well Elevation (TOC)	Date	Depth to Water	Groundwater Elevation	DNAPL
GZ-403L	96.08	11/15/2005	7.05	89.03	
		8/6/2007	9.05	87.03	
		12/14/2009	6.66	89.42	
		8/10/2010	10.19	85.89	
		11/17/2011	6.41	89.67	
		6/11/2012	7.76	88.32	
		8/23/2013	8.65	87.43	
		8/21/2014	9.11	86.97	
		11/11/2014	8.39	87.69	
		6/23/2015	7.60	88.48	
		11/17/2015	9.12	86.96	
		11/17/2016	8.88	87.20	
		6/13/2017	7.21	88.87	
		11/20/2017	7.83	88.25	
		11/12/2018	5.06	91.02	
	113.76	11/11/2019	7.62	106.14	
GZ-404L	94.90	11/15/2005	5.71	89.19	
		8/6/2007	7.79	87.11	
		12/14/2009	5.30	89.60	
		8/10/2010	9.00	85.90	
		11/17/2011	5.07	89.83	
		6/11/2012	6.52	88.38	
		8/23/2013	7.46	87.44	
		8/21/2014	7.90	87.00	
		11/11/2014	7.11	87.79	
		6/23/2015	6.34	88.56	
		6/20/2016	8.14	86.76	
		6/13/2017	6.09	88.81	
	112.52				
GZ-405L	97.31	11/15/2005	6.23	91.08	
		8/6/2007	9.86	87.45	
		9/7/2007	10.83	86.48	
		11/26/2007	9.50	87.81	
		8/11/2008	6.87	90.44	
		11/19/2008	8.02	89.29	
		9/2/2009	7.74	89.57	
		12/14/2009	5.10	92.21	
		8/10/2010	10.42	86.89	
		11/9/2010	8.98	88.33	
		8/17/2011	7.25	90.06	
		11/17/2011	5.40	91.91	
		6/11/2012	7.32	89.99	
		8/6/2012	10.16	87.15	
		11/5/2012	7.87	89.44	
		8/23/2013	8.38	88.93	
		11/4/2013	9.46	87.85	
		6/10/2014	7.55	89.76	
		8/21/2014	9.58	87.73	
		11/11/2014	8.62	88.69	
		6/23/2015	7.29	90.02	
		8/24/2015	9.75	87.56	
		11/17/2015	9.44	87.87	
		6/20/2016	9.06	88.25	
		11/17/2016	9.25	88.06	
		6/13/2017	6.97	90.34	
		11/20/2017	7.85	89.46	
		6/26/2018	8.60	88.71	
		11/12/2018	4.68	92.63	
	114.51	6/24/2019	7.25	107.26	
		11/11/2019	7.86	106.65	

TABLE 4B
SUMMARY OF GROUNDWATER ELEVATIONS - LOWER HYDROGEOLOGIC UNIT
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Well ID	Well Elevation (TOC)	Date	Depth to Water	Groundwater Elevation	DNAPL
GZ-406L	97.15	11/15/2005	7.59	89.56	
		8/3/2006	9.11	88.04	
		8/6/2007	9.86	87.29	
		12/14/2009	7.22	89.93	
		8/10/2010	10.98	86.17	
		11/17/2011	6.88	90.27	
		6/11/2012	8.45	88.70	
		8/23/2013	9.50	87.65	
		8/21/2014	9.94	87.21	
		11/11/2014	9.16	87.99	
		6/23/2015	8.31	88.84	
		6/20/2016	9.62	87.53	
		6/13/2017	7.81	89.34	
	NS				
GZ-407L	95.91	11/15/2005	5.64	90.27	
		8/6/2007	8.07	87.84	
		12/14/2009	5.48	90.43	
		8/10/2010	9.33	86.58	
		8/17/2011	7.85	88.06	
		11/17/2011	5.28	90.63	
		6/11/2012	6.80	89.11	
		8/23/2013	7.83	88.08	
		8/21/2014	8.37	87.54	
		11/11/2014	7.56	88.35	
		6/23/2015	6.91	89.00	
		6/20/2016	8.14	87.77	
	113.80	8/7/2019	7.99	105.81	
GZ-503L	95.92	8/6/2007	8.54	87.38	
		9/7/2007	9.52	86.40	
		12/14/2009	5.70	90.22	
		8/10/2010	9.67	86.25	
		8/17/2011	8.22	87.70	
		11/17/2011	5.18	90.74	
		6/11/2012	7.07	88.85	
		8/6/2012	9.17	86.75	
		8/23/2013	8.18	87.74	
		11/4/2013	8.53	87.39	
		6/10/2014	7.85	88.07	
		8/21/2014	8.69	87.23	
		11/11/2014	7.78	88.14	
		6/23/2015	7.12	88.80	
		8/24/2015	8.97	86.95	
		6/20/2016	8.38	87.54	
		6/13/2017	6.13	89.79	
	NS				

TABLE 4B
SUMMARY OF GROUNDWATER ELEVATIONS - LOWER HYDROGEOLOGIC UNIT
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Well ID	Well Elevation (TOC)	Date	Depth to Water	Groundwater Elevation	DNAPL
GZ-504L	96.47	8/6/2007	9.15	87.32	
		9/7/2007	10.10	86.37	
		8/10/2010	10.15	86.32	
		8/17/2011	8.90	87.57	
		11/17/2011	5.57	90.90	
		6/11/2012	7.66	88.81	
		8/6/2012	9.78	86.69	
		11/5/2012	7.71	88.76	
		8/23/2013	8.75	87.72	
		11/4/2013	9.27	87.20	
		6/10/2014	8.09	88.38	
		8/21/2014	9.27	87.20	
		11/11/2014	8.38	88.09	
		6/23/2015	7.75	88.72	
		8/24/2015	9.63	86.84	
		6/20/2016	9.05	87.42	
		6/13/2017	6.80	89.67	
	NS				
GZ-505LR	96.89	8/6/2007	9.57	87.32	
		9/7/2007	10.60	86.29	
		11/19/2008	6.93	89.96	
		12/14/2009	5.16	91.73	
		8/10/2010	10.31	86.58	
		11/9/2010	8.75	88.14	
		8/17/2011	8.55	88.34	
		11/17/2011	6.28	90.61	
		6/11/2012	8.08	88.81	
		8/6/2012	10.12	86.77	
		11/5/2012	5.16	91.73	
		8/23/2013	9.14	87.75	
		11/4/2013	9.65	87.24	
		6/10/2014	8.52	88.37	
		8/21/2014	9.64	87.25	
		11/11/2014	8.77	88.12	
		6/23/2015	8.05	88.84	
		8/24/2015	9.82	87.07	
		11/17/2015	9.48	87.41	
		6/20/2016	9.42	87.47	
		11/17/2016	9.32	87.57	
		6/26/2018	8.79	88.10	
		11/12/2018	4.80	92.09	
	114.45	6/24/2019	7.71	106.74	
		11/11/2019	8.02	106.43	
GZ-507L	96.39	8/6/2007	9.15	87.24	
		9/7/2007	9.96	86.43	
		12/14/2009	5.81	90.58	
		8/10/2010	10.07	86.32	
		11/17/2011	5.60	90.79	
		6/11/2012	7.50	88.89	
		8/6/2012	9.64	86.75	
		11/5/2012	7.40	88.99	
		8/23/2013	8.89	87.50	
		11/4/2013	8.98	87.41	
		6/10/2014	7.94	88.45	
		8/21/2014	9.14	87.25	
		11/11/2014	8.28	88.11	
		6/23/2015	7.53	88.86	
		8/24/2015	9.35	87.04	
		6/20/2016	8.86	87.53	
		6/13/2017	6.65	89.74	
	NS				

TABLE 4B
SUMMARY OF GROUNDWATER ELEVATIONS - LOWER HYDROGEOLOGIC UNIT
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Well ID	Well Elevation (TOC)	Date	Depth to Water	Groundwater Elevation	DNAPL
GZ-606L	97.46	9/7/2007	11.04	86.42	
		12/14/2009	7.47	89.99	
		8/10/2010	11.31	86.15	
		11/9/2010	9.47	87.99	
		8/17/2011	9.53	87.93	
		11/17/2011	7.15	90.31	
		6/11/2012	8.76	88.70	
		8/6/2012	10.78	86.68	
		11/5/2012	8.64	88.82	
		8/23/2013	9.81	87.65	
		11/4/2013	10.03	87.43	
		6/10/2014	9.16	88.30	
		8/21/2014	10.30	87.16	
		11/11/2014	9.45	88.01	
		6/23/2015	8.71	88.75	
		8/24/2015	10.42	87.04	
		6/20/2016	10.02	87.44	
		6/13/2017	6.67	90.79	
	NS				
GZ-607L	97.40	9/7/2007	10.67	86.73	
		12/14/2009	7.35	90.05	
		8/10/2010	11.25	86.15	
		8/17/2011	9.74	87.66	
		11/17/2011	7.04	90.36	
		6/11/2012	8.70	88.70	
		8/23/2013	9.75	87.65	
		8/21/2014	10.23	87.17	
		11/11/2014	9.39	88.01	
		6/23/2015	8.61	88.79	
		6/20/2016	9.98	87.42	
		6/13/2017	7.92	89.48	
		11/12/2018	5.08	92.32	
	115.00	8/8/2019	9.38	105.62	
GZ-608L	96.73	9/7/2007	10.28	86.45	
		12/14/2009	6.58	90.15	
		8/10/2010	10.39	86.34	
		8/17/2011	8.94	87.79	
		11/17/2011	6.19	90.54	
		6/11/2012	7.90	88.83	
		8/23/2013	8.97	87.76	
		8/21/2014	9.48	87.25	
		11/11/2014	8.61	88.12	
		6/23/2015	7.82	88.91	
		6/20/2016	9.23	87.50	
		6/13/2017	5.27	91.46	
	NS				

TABLE 4B
SUMMARY OF GROUNDWATER ELEVATIONS - LOWER HYDROGEOLOGIC UNIT
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Well ID	Well Elevation (TOC)	Date	Depth to Water	Groundwater Elevation	DNAPL
GZ-609L	98.03	9/7/2007	11.86	86.17	
		12/14/2009	7.98	90.05	
		8/10/2010	11.83	86.20	
		11/9/2010	10.03	88.00	
		8/17/2011	10.27	87.76	
		11/17/2011	7.65	90.38	
		6/11/2012	9.31	88.72	
		8/6/2012	11.32	86.71	
		11/5/2012	9.10	88.93	
		8/23/2013	10.32	87.71	
		11/4/2013	10.63	87.40	
		6/10/2014	9.93	88.10	
		8/21/2014	10.82	87.21	
		11/11/2014	9.99	88.04	
		6/23/2015	9.25	88.78	
		8/24/2015	8.02	90.01	
		11/17/2015	10.68	87.35	
		11/17/2016	10.54	87.49	
		6/13/2017	8.44	89.59	
		11/20/2017	9.40	88.63	
		6/26/2018	10.02	88.01	
		11/12/2018	6.48	91.55	
	115.57	6/24/2019	9.04	106.53	
		11/11/2019	9.18	106.39	
GZ-610L	97.25	9/7/2007	10.52	86.73	
		12/14/2009	6.89	90.36	
		8/10/2010	10.77	86.48	
		11/9/2010	8.95	88.30	
		8/17/2011	9.08	88.17	
		11/17/2011	6.53	90.72	
		6/11/2012	8.24	89.01	
		8/6/2012	10.24	87.01	
		11/5/2012	8.03	89.22	
		8/23/2013	9.30	87.95	
		11/4/2013	9.52	87.73	
		6/10/2014	8.62	88.63	
		8/21/2014	9.81	87.44	
		11/11/2014	8.92	88.33	
		6/23/2015	8.22	89.03	
		8/24/2015	9.95	87.30	
		6/20/2016	9.52	87.73	
		6/13/2017	7.37	89.88	
	NS				
GZ-611L	95.77	9/7/2007	9.30	86.47	
		12/14/2009	5.51	90.26	
		8/10/2010	9.50	86.27	
		11/17/2011	5.11	90.66	
		6/11/2012	6.91	88.86	
		8/23/2013	8.26	87.51	
		8/21/2014	8.52	87.25	
		11/11/2014	7.64	88.13	
		6/23/2015	7.03	88.74	
		6/20/2016	8.38	87.39	
		6/13/2017	6.06	89.71	
	113.53	8/6/2019	7.92	105.61	

TABLE 4B
SUMMARY OF GROUNDWATER ELEVATIONS - LOWER HYDROGEOLOGIC UNIT
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Well ID	Well Elevation (TOC)	Date	Depth to Water	Groundwater Elevation	DNAPL
GZ-701L	92.24	6/11/2012	3.76	88.48	
		8/23/2013	4.67	87.57	
		6/10/2014	4.67	87.57	
		8/21/2014	5.11	87.13	
		11/11/2014	4.38	87.86	
		6/23/2015	3.52	88.72	
		11/17/2015	5.19	87.05	
		6/20/2016	4.82	87.42	
		11/17/2016	4.96	87.28	
		6/13/2017	3.21	89.03	
		11/20/2017	3.98	88.26	
		11/12/2018	1.90	90.34	
	109.97	11/11/2019	3.58	106.39	
GZ-901L	93.03	6/10/2014	6.22	86.81	
		7/1/2014	6.65	86.38	
		8/21/2014	6.86	86.17	
		11/11/2014	6.04	86.99	
		6/23/2015	5.09	87.94	
		11/17/2015	6.82	86.21	
		6/20/2016	6.78	86.25	
		11/17/2016	6.55	86.48	
		6/13/2017	4.98	88.05	
		11/20/2017	5.30	87.73	
		11/12/2018	0.85	92.18	
	113.79	6/24/2019	8.31	105.48	
		11/11/2019	5.04	108.75	
GZ-902M	93.34	6/10/2014	6.93	86.41	
		7/1/2014	7.32	86.02	
		8/21/2014	7.37	85.97	
		11/11/2014	6.71	86.63	
		6/23/2015	5.63	87.71	
		11/17/2015	7.49	85.85	
		6/20/2016	7.30	86.04	
		11/17/2016	7.17	86.17	
		6/13/2017	5.71	87.63	
		11/20/2017	5.91	87.43	
		11/12/2018	1.11	92.23	
	113.06	6/24/2019	6.35	106.71	
		11/11/2019	5.64	107.42	
GZ-902L	93.20	6/10/2014	3.51	89.69	
		7/1/2014	4.10	89.10	
		8/21/2014	4.75	88.45	
		11/11/2014	4.12	89.08	
		6/23/2015	3.29	89.91	
		11/17/2015	5.09	88.11	
		6/20/2016	4.44	88.76	
		11/17/2016	4.82	88.38	
		6/13/2017	2.09	91.11	
		11/20/2017	3.38	89.82	
		11/12/2018	0.00	93.20	
	113.92	6/24/2019	3.29	110.63	
		11/11/2019	3.51	110.41	

TABLE 4B
SUMMARY OF GROUNDWATER ELEVATIONS - LOWER HYDROGEOLOGIC UNIT
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Well ID	Well Elevation (TOC)	Date	Depth to Water	Groundwater Elevation	DNAPL
GZ-905L	NS	10/24/2014	4.04	NS	
		11/7/2014	6.61	NS	
		11/11/2014	6.78	NS	
		11/17/2015	7.46	NS	
		6/20/2016	7.40	NS	
		11/17/2016	7.22	NS	
		6/26/2018	7.09	NS	
		11/12/2018	1.52	NS	
	114.36	6/24/2019	6.50	107.86	
		11/11/2019	5.42	108.94	
MW19-02L	114.74	8/5/2019	9.53	105.21	
MW19-06L	115.39	8/6/2019	10.16	105.23	
Bedrock Monitoring Wells					
GZ-1B*	99.19	6/11/2012	10.61	88.58	
		8/23/2013	11.80	87.39	
		8/21/2014	12.15	87.04	
		11/11/2014	11.30	87.89	
		6/23/2015	10.59	88.60	
		6/20/2016	12.00	87.19	
	116.82				
GZ-3B*	95.72	6/11/2012	6.64	89.08	
		11/5/2012	7.24	88.48	
		11/4/2013	8.13	87.59	
		8/21/2014	8.13	87.59	
		11/11/2014	7.41	88.31	
		6/23/2015	6.57	89.15	
		11/17/2015	8.18	87.54	
		6/20/2016	7.74	87.98	
		11/17/2016	7.94	87.78	
		6/13/2017	5.94	89.78	
		11/20/2017	6.84	88.88	
		6/26/2018	7.87	87.85	
		11/12/2018	4.46	91.26	
	113.35	6/24/2019	5.51	107.84	
		11/11/2019	6.68	106.67	

Notes:
1. Measurements are in feet.
2. TOC = top of casing; NS = not surveyed during 2019 PDI survey
3. Elevation survey data were collected by WSP USA, Inc. on September 17, 2019 using a Nikon-AP-8 Automatic Level and are reported relavite to NAVD 88.
4. * Indicates top of steel casing elevation

TABLE 5A
SUMMARY OF GROUNDWATER VOC ANALYTICAL DATA - UPPER HYDROGEOLOGIC UNIT
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Well ID	Sample Date	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichlorobenzene	1,2-Dichloroethane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane	2-Butanone (MEK)	Acetone	Benzene	Carbon disulfide	Chlorobenzene	Chloroethane	Chloroform	Ethylbenzene	Methyl tert butyl ether (MTBE)	Naphthalene	tert-Butyl Alcohol (TBA)	Tert-Amyl Methyl Ether (TAME	Tetrachloroethene	Toluene	Trichloroethene	Vinyl chloride	Xylenes (total)	cis-1,2-Dichloroethene	n-Propylbenzene	trans-1,2-Dichloroethene
NH AGQS		200	81	7	330	600	5	330	600	75	0.32	4,000	6,000	5	70	100	NS	70	700	13	100	40	140	5	1,000	5	2	10,000	70	260	100
AOI #1 - Former WWTF Area																															
GZ-9U	8/1/2010	ND(2)	2	ND(1)	ND	ND	ND(2)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(5)	ND(2)	ND(1)	ND	ND	ND	ND	ND(2)	ND(1)	ND(2)	ND(2)	ND(1)	62	ND	ND(2)
	11/1/2010	ND(2)	ND(2)	ND(1)	ND	ND	ND(2)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(5)	ND(2)	ND(1)	ND	ND	ND	ND	ND(2)	ND(1)	ND(2)	**6**	ND(1)	47	ND	ND(2)
	8/1/2011	ND(1)	1.7	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(1)	ND(1)	ND(1)	ND	ND	ND	ND	ND(1)	ND(1)	ND(1)	**6.1**	ND(1.5)	40	ND	ND(1)
	11/12/2011	ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(1)	ND(1)	ND(1)	ND	ND	ND	ND	ND(1)	ND(1)	ND(1)	ND(1)	ND(1.5)	ND(1)	ND	ND(1)
	6/1/2012	ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(1)	ND(1)	ND(1)	ND	ND	ND	ND	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND	ND(1)
	8/12/2012	ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND	ND	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	2.8	ND	ND(1)
	11/1/2012	ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND	ND	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	2.4	ND	ND(1)
	8/26/2013	ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND	ND	ND(1)	ND(1)	ND(1)	2	ND(3)	2	ND	ND(1)
	11/4/2013	ND(1)	1.2	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND	ND	ND(1)	ND(1)	ND(1)	**3.6**	ND(2)	24.4	ND	ND(1)
	6/10/2014	ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND	ND	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND	ND(1)
	8/19/2014	ND(1)	2	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND	ND	ND(1)	ND(1)	ND(1)	**6**	ND(3)	30	ND	ND(1)
	11/10/2014	ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND	ND	ND(1)	ND(1)	ND(1)	1	ND(3)	20	ND	ND(1)
	6/15/2015	ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND	ND	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	7	ND	ND(1)
	8/24/2015	ND(1)	2	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND	ND	ND(1)	ND(1)	ND(1)	**7**	ND(3)	30	ND	ND(1)
	11/17/2015	ND(1)	2.2	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(25)	ND(25)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(1)	**7.2**	ND(2)	38.4	ND(1)	ND(1)
	11/11/2016	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(20)	ND(20)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	**4**	ND(3)	20.7	ND(1)	ND(1)
	11/17/2017	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(25)	ND(25)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	1.2	ND(1)	ND(1)
	11/12/2018	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(250)	ND(5)	ND(5)	ND(0.5)	ND(5)	ND(0.5)	ND(1)	ND(0.75)	ND(0.5)	ND(1)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	ND(0.5)	**2.2**	ND(1)	8.4	ND(0.5)	ND(0.75)
	11/14/2019	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(250)	ND(5)	ND(5)	ND(0.5)	ND(5)	ND(0.5)	ND(1)	ND(0.75)	ND(0.5)	ND(1)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	2.7	ND(0.5)	ND(0.75)
GZ-616U	8/9/2019	**2,000**	ND(150)	ND(100)	ND(500)	ND(500)	ND(100)	ND(500)	ND(500)	ND(500)	ND(50,000)	ND(1,000)	ND(1,000)	ND(100)	ND(1,000)	ND(100)	ND(200)	ND(150)	ND(100)	ND(200)	ND(500)	ND(2,000)	ND(400)	ND(100)	260	**28,000**	ND(200)	ND(200)	**5,200**	ND(100)	ND(150)
GZ-620U	8/7/2019	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(250)	ND(5)	ND(5)	ND(0.5)	ND(5)	ND(0.5)	ND(1)	ND(0.75)	ND(0.5)	ND(1)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.75)
MW-6	6/10/2014	ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND	ND	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND	ND(1)
	8/19/2014	ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND	ND	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND	ND(1)
	11/10/2014	ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND	ND	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	2	ND	ND(1)
	11/17/2015	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(25)	ND(25)	ND(1)	ND(1)	ND(1)	ND(2)	1.4	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)
	6/21/2016	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(20)	ND(20)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	3	ND(1)	ND(1)
	11/11/2016	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(20)	ND(20)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	2.0	ND(1)	ND(3)	10	ND(1)	ND(1)
	6/14/2017	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(25)	ND(25)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	1	ND(1)	ND(1)
	11/17/2017	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(25)	ND(25)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)
	6/26/2018	3.1	4.4	ND(1)	ND(2)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(130)	ND(10)	ND(10)	ND(0.5)	ND(2)	ND(1)	0.61	0.96	ND(1)	ND(1)	ND(1)	ND(5)	ND(10)	ND(2)	ND(1)	ND(1)	ND(1)	**5**	ND(1)	**118**	ND(2)	1.1
	11/12/2018	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(250)	ND(5)	ND(5)	ND(0.5)	ND(5)	ND(0.5)	ND(1)	ND(0.75)	ND(0.5)	ND(1)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	1.1	ND(0.5)	ND(0.75)
	6/26/2019	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(250)	ND(5)	ND(5)	ND(0.5)	ND(5)	ND(0.5)	ND(1)	ND(0.75)	ND(0.5)	ND(1)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	21	ND(0.5)	ND(0.75)
	11/11/2019	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(250)	ND(5)	ND(5)	ND(0.5)	ND(5)	ND(0.5)	ND(1)	ND(0.75)	ND(0.5)	ND(1)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	3.1	ND(0.5)	ND(0.75)
MW19-01U	8/5/2019	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(250)	ND(5)	ND(5)	ND(0.5)	ND(5)	ND(0.5)	ND(1)	ND(0.75)	ND(0.5)	ND(1)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	4.2	ND(1)	ND(1)	3.4	ND(0.5)	ND(0.75)
MW19-02U	8/5/2019	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(250)	ND(5)	ND(5)	ND(0.5)	ND(5)	ND(0.5)	ND(1)	ND(0.75)	ND(0.5)	ND(1)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.75)
UW19-02U	8/7/2019	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(250)	ND(5)	ND(5)	ND(0.5)	ND(5)	ND(0.5)	ND(1)	ND(0.75)	ND(0.5)	ND(1)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.75)
AOI #2 - DNAPL Area																															
GZ-2	8/1/2010	ND(100)	60	ND(10)	ND	ND	ND(10)	ND	ND	ND	--	ND	ND	ND(10)	ND	ND	210	ND(10)	10	ND(10)	ND	ND(300)	ND(50)	ND(10)	190	ND(10)	**1,500**	50	**720**	ND	20
	11/1/2010	ND(5)	**87**	ND(5)	7	ND	ND(5)	ND	ND	ND	--	ND	ND	**14**	ND	ND	240	ND(5)	58	ND(5)	ND	ND(200)	ND(50)	ND(5)	360	ND(5)	**30**	213	23	ND	26
	8/1/2011	1.7	**100**	ND(1)	6.3	ND	1.4	2	ND	1	--	ND	ND	**11**	ND	ND	120	ND(1)	35	ND(1)	ND	ND(25)	ND(2)	ND(1)	200	ND(1)	**150**	120	**107**	1.1	16
	11/12/2011	ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(1)	ND(1)	ND(1)	ND(1)	ND	ND(25)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(15)	ND(1)	ND	ND(1)
	6/1/2012	ND(5)	16.5	ND(5)	ND	ND	ND(5)	ND	ND	ND	--	ND	ND	ND(5)	ND	ND	22.2	ND(5)	ND(5)	ND(5)	ND	ND(1)25	ND(10)	ND(5)	22.5	ND(5)	**470**	ND(15)	**337**	ND	5.1
	8/12/2012	2.7	**135**	6.8	8	ND	ND(1)	2.5	ND	1.1	--	ND	ND	**9**	ND	ND	67.2	ND(1)	26.7	ND(1)	1	ND(25)	ND(1)	ND(1)	120	**8.2**	**1,630**	100	**2,910**	1.5	35.8
	11/1/2012	ND(10)	**250**	ND(10)	16.3	ND	ND(10)	ND	ND	ND	--	ND	ND	**17.1**	ND	ND	172	ND(10)	78	ND(10)	ND	ND(250)	ND(10)	ND(10)	280	ND(10)	**616**	226	**423**	ND	32.7
	8/26/2013	5	**100**	**10**	8	ND	1	3	ND	1.0	--	ND	ND	**10**	ND	ND	100	ND(1)	40	ND(1)	ND	ND(50)	ND(1)	ND(1)	100	ND(1)	**3,400**	200	**3,600**	1	50
	11/4/2013	ND(1)	**103**	1.6	3.9	ND	ND(1)	1.2	ND	ND	--	ND	ND	**6**	ND	ND	55.1	ND(1)	11.8	ND(1)	ND	ND(25)	ND(1)	ND(1)	58.3	ND(1)	**870**	40	**664**	ND	17.2
	6/10/2014	ND(1)	20	2	1	ND	ND(1)	ND	ND	ND	--	ND	ND	2	ND	ND	40	ND(1)	8	ND(1)	ND	ND(50)	ND(1)	ND(1)	30	ND(1)	**600**	20	**500**	ND	10
	8/19/2014	ND(1)	80	1	5	ND	ND(1)	2	ND	ND	--	ND	ND	5	ND	ND	60	ND(1)	20	ND(1)	ND	ND(50)	ND(1)	ND(1)	50	ND(1)	**900**	50	**800**	1	20
	11/10/2014	ND(1)	20	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	10	ND(1)	ND(1)	**70**	ND	ND(50)	1	ND(1)	ND(1)	ND(1)	**50**	ND(3)	**80**	ND	ND(1)
	6/15/2015	ND(1)	20	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	30	ND(1)	1	ND(1)	ND	ND(50)	ND(1)	ND(1)	8	ND(1)	**200**	3	**100**	ND	4
	8/24/2015	ND(1)	40	ND(1)	1	ND	ND(1)	ND	ND	ND	--	ND	ND	2	ND	ND	100	ND(1)	4	ND(1)	ND	ND(50)	ND(1)	ND(1)	20	ND(1)	**90**	20	60	ND	8
	11/17/2015	ND(1)	**85.6**	ND(1)	2.3	ND	ND(1)	ND(1)	ND(1)	1.1	--	ND(25)	ND(25)	4.1	ND	ND(1)	91.1	ND(1)	12.2	ND(1)	ND(1)	ND(25)	ND(1)	ND(1)	44.3	ND(1)	**921**	43.2	**541**	ND(1)	8.2
	6/21/2016	1	70	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(50)	ND(50)	2	ND(1)	ND(1)	100	ND(1)	10	ND(1)	ND(1)	ND(50)	ND(1)	ND(1)	50	ND(1)	**20**	40	10	ND(1)	10
	11/11/2016	ND(1)	40	ND(1)	1	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(50)	ND(50)	1	2	ND(1)	90	ND(1)	3	ND(1)	ND(1)	ND(50)	ND(1)	ND(1)	10	ND(1)	**3**	10	6	ND(1)	3
	11/20/2017	1.6	**111**	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	1.1	--	ND(25)	ND(25)	1.5	--	ND(1)	79.6	ND(1)	3.8	ND(1)	ND(1)	ND(25)	ND(1)	ND(1)	18.8	ND(1)	**220**	21.6	**415**	ND(1)	9.7
	6/26/2018	16.4	42.9	ND(4)	ND(8)	ND(4)	ND(4)	ND(8)	ND(4)	ND(4)	ND(500)	ND(40)	ND(40)	ND(2)	ND(8)	ND(4)	4.6	ND(4)	1.9	ND(4)	ND(50)	ND(40)	ND(8)	ND(4)	3.1	ND(4)	**259**	1.2	**1,290**	ND(8)	9.9
	11/12/2018	4	8.9	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(250)	ND(5)	ND(5)	ND(0.5)	ND(5)	ND(0.5)	ND(1)	ND(0.75)	0.72	ND(1)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	1.1	**12**	ND(1)	**200**	ND(0.5)	1.3
	6/26/2019	86	35	ND(10)	ND(50)	ND(50)	ND(10)	ND(50)	ND(50)	ND(50)	ND(5,000)	ND(100)	ND(100)	ND(10)	ND(100)	ND(10)	ND(20)	ND(15)	ND(10)	ND(20)	ND(50)	ND(200)	ND(40)	ND(10)	ND(15)	ND(10)	**45**	ND(20)	**2,600**	ND(10)	18
	11/11/2019	90	**110**	ND(20)	ND(100)	ND(100)	ND(20)	ND(100)	ND(100)	ND(100)	ND(10,000)	ND(200)	ND(200)	ND(20)	ND(200)	ND(20)	ND(40)	ND(30)	ND(20)	ND(40)	ND(100)	ND(400)	ND(80)	ND(20)	ND(30)	ND(20)	**1,000**	ND(40)	**5,600**	ND(20)	52

TABLE 5A
SUMMARY OF GROUNDWATER VOC ANALYTICAL DATA - UPPER HYDROGEOLOGIC UNIT
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Well ID	Sample Date	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichlorobenzene	1,2-Dichloroethane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane	2-Butanone (MEK)	Acetone	Benzene	Carbon disulfide	Chlorobenzene	Chloroethane	Chloroform	Ethylbenzene	Methyl tert butyl ether (MTBE)	Naphthalene	tert-Butyl Alcohol (TBA)	Tert-Amyl Methyl Ether (TAME	Tetrachloroethene	Toluene	Trichloroethene	Vinyl chloride	Xylenes (total)	cis-1,2-Dichloroethene	n-Propylbenzene	trans-1,2-Dichloroethene
NH AGQS		200	81	7	330	600	5	330	600	75	0.32	4,000	6,000	5	70	100	NS	70	700	13	100	40	140	5	1,000	5	2	10,000	70	260	100
GZ-405U	8/1/2010	**10,000**	ND(1,000)	ND(1,000)	ND	ND	ND(1,000)	ND	ND	ND	--	ND	ND	ND(1,000)	ND	ND	ND(5,000)	ND(1,000)	ND(1,000)	ND(1,000)	ND	ND(30,000)	ND(5,000)	ND(1,000)	**3,000**	**140,000**	ND(2,000)	2,000	**8,000**	ND	ND(1,000)
	11/1/2010	**11,000**	ND(1,000)	ND(1,000)	ND	ND	ND(1,000)	ND	ND	ND	--	ND	ND	ND(1,000)	ND	ND	ND(5,000)	ND(1,000)	ND(1,000)	ND(1,000)	ND	ND(30,000)	ND(5,000)	ND(1,000)	**3,000**	**120,000**	ND(2,000)	1,000	**23,000**	ND	ND(1,000)
	8/1/2011	**9,500**	ND(500)	ND(500)	ND	ND	ND(500)	ND	ND	ND	--	ND	ND	ND(500)	ND	ND	ND(500)	ND(500)	ND(500)	ND(500)	ND	ND(13,000)	ND(1,000)	**500**	**2,500**	**98,000**	ND(500)	2,200	**8,400**	ND	ND(500)
	11/12/2011	**10,000**	ND(1,000)	ND(1,000)	ND	ND	ND(1,000)	ND	ND	ND	--	ND	ND	ND(1,000)	ND	ND	ND(1,000)	ND(1,000)	ND(1,000)	ND(1,000)	ND	ND(25,000)	ND(2,000)	ND(1,000)	**2,600**	**110,000**	ND(1,000)	ND(1,500)	**5,000**	ND	ND(1,000)
	6/1/2012	**6,570**	ND(1,000)	ND(1,000)	ND	ND	ND(1,000)	ND	ND	ND	--	ND	ND	ND(1,000)	ND	ND	ND(1,000)	ND(1,000)	ND(1,000)	ND(1,000)	ND	ND(25,000)	ND(2,000)	ND(1,000)	**1,730**	**77,500**	ND(1,000)	ND(3,000)	**5,940**	ND	ND(1,000)
	8/12/2012	**7,880**	ND(1,000)	4.7	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1,000)	ND	ND	ND(2)	ND(1,000)	4.8	ND(1,000)	ND	ND(25)	ND(1,000)	3.5	31	**94,200**	ND(1,000)	27.5	**20,900**	ND	1.2
	11/1/2012	**1,840**	ND(100)	ND(100)	ND	ND	ND(100)	ND	ND	ND	--	ND	ND	ND(100)	ND	ND	ND(200)	ND(100)	101	ND(100)	ND	ND(2,500)	ND(100)	ND(100)	529	**8,100**	ND(100)	483	**9,940**	ND	ND(100)
	8/26/2013	**5,200**	ND(100)	ND(100)	ND	ND	ND(100)	ND	ND	ND	--	ND	ND	ND(100)	ND	ND	ND(200)	ND(100)	300	ND(100)	ND	**2,500**	ND(100)	**100**	**1,600**	**28,400**	ND(100)	1,500	**22,900**	ND	100
	11/4/2013	**8,460**	ND(100)	**125**	ND	ND	ND(100)	ND	ND	ND	--	ND	ND	ND(100)	ND	ND	ND(200)	ND(100)	377	ND(100)	ND	ND(2,500)	ND(100)	**126**	**2,480**	**37,800**	ND(100)	2,400	**34,400**	ND	**221**
	6/10/2014	**2,400**	ND(100)	ND(100)	ND	ND	ND(100)	ND	ND	ND	--	ND	ND	ND(100)	ND	ND	ND(200)	ND(100)	100	ND(100)	ND	ND(2,500)	ND(100)	**100**	700	**19,000**	ND(100)	900	**6,400**	ND	ND(100)
	8/19/2014	**2,600**	ND(100)	ND(100)	ND	ND	ND(100)	ND	ND	ND	--	ND	ND	ND(100)	ND	ND	ND(200)	ND(100)	200	ND(100)	ND	ND(2,500)	ND(100)	ND(100)	800	**18,900**	ND(100)	1,100	**10,200**	ND	ND(100)
	11/10/2014	**3,000**	ND(100)	ND(100)	ND	ND	ND(100)	ND	ND	ND	--	ND	ND	ND(100)	ND	ND	ND(200)	ND(100)	200	ND(100)	ND	ND(2,500)	ND(100)	ND(100)	900	**21,900**	ND(100)	1,000	**14,800**	ND	ND(100)
	6/15/2015	**1,700**	ND(100)	**200**	ND	ND	ND(100)	ND	ND	ND	--	ND	ND	ND(100)	ND	ND	ND(200)	ND(100)	100	ND(100)	ND	ND(2,500)	ND(100)	ND(100)	500	**18,800**	ND(100)	700	**5,000**	ND	ND(100)
	8/24/2015	**6,100**	ND(100)	**300**	ND	ND	ND(100)	ND	ND	ND	--	ND	ND	ND(100)	ND	ND	ND(200)	ND(100)	300	ND(100)	ND	ND(2,500)	ND(100)	**200**	**1,600**	**47,500**	ND(100)	2,000	**18,800**	ND	100
	11/17/2015	**8,330**	19.8	**81.8**	80.7	ND(1)	ND(1)	24.9	ND(1)	3.6	--	ND(25)	ND(25)	**15.6**	3.7	ND(1)	ND(2)	11.8	376	ND(1)	10.8	ND(25)	ND(1)	**202**	**2,020**	**40,600**	ND(1)	2,480	**24,500**	15.1	**200**
	6/21/2016	**2,000**	4	**40**	40	ND(1)	ND(1)	10	ND(1)	2	--	ND(20)	ND(20)	**6**	ND(1)	ND(1)	ND(2)	5	200	ND(1)	5	ND(20)	ND(1)	**100**	500	**15,400**	ND(1)	1,000	**9,500**	9	**E 300**
	11/11/2016	**2,000**	**100**	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	--	ND(2,500)	ND(2,500)	ND(100)	ND(100)	ND(100)	ND(200)	ND(100)	200	ND(100)	ND(100)	ND(2,500)	ND(100)	ND(100)	500	**3,000**	ND(100)	1,400	**21,600**	ND(100)	**200**
	6/14/2017	**736**	ND(1)	**13.0**	17.8	ND(1)	ND(1)	5.8	ND(1)	ND(1)	--	ND(25)	ND(25)	1.4	ND(1)	ND(1)	ND(2)	2.4	80.1	ND(1)	1.5	ND(25)	ND(1)	**37.8**	149	**4,330**	ND(1)	300	**3,400**	3.8	23.1
	11/17/2017	**1,250**	14.2	**26**	32.5	ND(1)	ND(1)	10.6	ND(1)	1.6	--	ND(25)	ND(25)	2.9	ND(1)	ND(1)	ND(2)	4.7	147 E	ND(1)	3	ND(25)	ND(1)	**35.4**	356	**4,310**	ND(1)	733	**10,600**	7	66.5
	6/26/2018	**705**	ND(20)	ND(20)	18.1	ND(20)	ND(20)	6.2	ND(20)	ND(20)	ND(2,500)	ND(200)	ND(200)	ND(10)	ND(40)	ND(20)	ND(20)	ND(20)	86.9	ND(20)	ND(100)	ND(200)	ND(40)	**43.5**	167	**1,290**	ND(20)	491	**4,080**	ND(40)	26.2
	11/13/2018	**1,200**	ND(38)	ND(25)	ND(120)	ND(120)	ND(25)	ND(120)	ND(120)	ND(120)	ND(12,000)	ND(250)	ND(250)	ND(25)	ND(250)	ND(25)	ND(50)	ND(38)	96	ND(50)	ND(120)	ND(500)	ND(100)	**55**	350	**8,700**	ND(50)	520	**6,500**	ND(25)	ND(38)
	6/24/2019	**1,200**	ND(75)	ND(50)	ND(250)	ND(250)	ND(50)	ND(250)	ND(250)	ND(250)	ND(25,000)	ND(500)	ND(500)	ND(50)	ND(500)	ND(50)	ND(100)	ND(75)	140	ND(100)	ND(250)	ND(1,000)	ND(200)	**140**	470	**14,000**	ND(100)	760	**3,600**	ND(50)	ND(75)
	11/14/2019	**220**	ND(15)	ND(10)	ND(50)	ND(50)	ND(10)	ND(50)	ND(50)	ND(50)	ND(5,000)	ND(100)	ND(100)	ND(10)	ND(100)	ND(10)	ND(20)	ND(15)	35	ND(20)	ND(50)	ND(200)	ND(40)	ND(10)	73	**100**	ND(20)	180	**2,200**	ND(10)	16
GZ-508U	8/7/2019	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.144)	ND(5)	ND(5)	ND(0.5)	ND(5)	ND(0.5)	ND(1)	ND(0.75)	ND(0.5)	ND(1)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.75)
GZ-601U	9/25/2014	**9,200**	**1,200**	**900**	ND(100)	ND(100)	ND	ND(100)	ND(100)	ND(100)	--	--	ND	**100**	ND	ND(100)	ND(200)	ND	200	--	ND(100)	--	--	**200**	**3,800**	**88,500**	**1,200**	1,000	**175,000**	ND(100)	**700**
	3/10/2015	**800**	**400**	**100**	ND(100)	ND(100)	ND	ND(100)	ND(100)	ND(100)	--	--	ND	ND(100)	ND	ND(100)	ND(200)	ND	ND(100)	--	ND(100)	--	--	ND(100)	200	**16,300**	**200**	ND(300)	**43,900**	ND(100)	**400**
	6/15/2015	**5,700**	**300**	ND(100)	ND(100)	ND(100)	ND	ND(100)	ND(100)	ND(100)	--	--	ND	ND(100)	ND	ND(100)	ND(200)	ND	ND(100)	--	ND(100)	--	--	**200**	**1,500**	**93,800**	**ND(100)**	600	**35,000**	ND(100)	**200**
	8/24/2015	**400**	**500**	ND(100)	ND(100)	ND(100)	ND	ND(100)	ND(100)	ND(100)	--	--	ND	ND(100)	ND	ND(100)	ND(200)	ND	ND(100)	--	ND(100)	--	--	ND(100)	200	**4,400**	**500**	ND(300)	**50,100**	ND(100)	**400**
	6/21/2016	**1,400**	**400**	**200**	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	--	--	ND	ND(100)	ND	ND(100)	ND(200)	ND	ND(100)	--	ND(100)	--	--	ND(100)	200	**21,100**	**200**	300	**41,200**	ND(100)	**300**
	11/14/2016	**10,600**	**1,200**	**1,100**	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	--	--	ND(2,500)	**100**	ND(100)	ND(100)	ND(200)	ND(100)	ND(100)	--	ND(100)	--	--	**200**	**3,700**	**92,800**	**7,300**	900	**162,000**	ND(100)	**600**
	8/6/2019	--	--	--	--	--	--	--	--	--	**8.99**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GZ-607U	8/1/2010	**34,000**	ND(5,000)	ND(5,000)	ND	ND	ND(5,000)	ND	ND	ND	--	ND	ND	ND(5,000)	ND	ND	ND(30,000)	ND(5,000)	ND(5,000)	ND(5,000)	ND	ND(200,000)	ND(30,000)	ND(5,000)	**7,000**	**430,000**	ND(10,000)	ND(5,000)	**50,000**	ND	ND(5,000)
	11/1/2010	**21,000**	ND(2,000)	ND(2,000)	ND	ND	ND(2,000)	ND	ND	ND	--	ND	ND	ND(2,000)	ND	ND	ND(10,000)	ND(2,000)	ND(2,000)	ND(2,000)	ND	ND(60,000)	ND(10,000)	ND(2,000)	**3,000**	**260,000**	ND(4,000)	ND(2,000)	**16,000**	ND	ND(2,000)
	8/1/2011	**25,000**	ND(2,500)	ND(2,500)	ND	ND	ND(2,500)	ND	ND	ND	--	ND	ND	ND(2,500)	ND	ND	ND(2,500)	ND(2,500)	ND(2,500)	ND(2,500)	ND	ND(63,000)	ND(5,000)	ND(2,500)	**4,100**	**280,000**	ND(2,500)	ND(3,750)	**19,000**	ND	ND(2,500)
	11/12/2011	**3,700**	ND(200)5	ND(200)5	ND	ND	ND(250)	ND	ND	ND	--	ND	ND	ND(250)	ND	ND	ND(250)	ND(250)	ND(250)	ND(250)	ND	ND(6,300)	ND(500)	ND(250)	620	**39,000**	ND(250)	ND(0.375)	**3,800**	ND	ND(250)
	6/1/2012	**10,800**	ND(2,000)	ND(2,000)	ND	ND	ND(2,000)	ND	ND	ND	--	ND	ND	ND(2,000)	ND	ND	ND(2,000)	ND(2,000)	ND(2,000)	ND(2,000)	ND	ND(50,000)	ND(4,000)	ND(2,000)	ND(2,000)	**126,000**	ND(2,000)	ND(6,000)	**7,620**	ND	ND(2,000)
	8/12/2012	**22,000**	ND(100)	**172**	ND	ND	ND(100)	ND	ND	ND	--	ND	ND	ND(100)	ND	ND	ND(200)	ND(100)	314	ND(100)	ND	ND(2,500)	ND(100)	**250**	**3,210**	**132,000**	ND(100)	1,600	**17,000**	ND	ND(100)
	11/1/2012	**10,700**	ND(1,000)	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1,000)	ND	ND	ND(2,000)	ND(1,000)	ND(1,000)	ND(1,000)	ND	ND(25,000)	ND(1,000)	ND(1,000)	**1,590**	**133,000**	ND(1,000)	ND(1,000)	**10,100**	ND	ND(1,000)
	8/26/2013	**7,400**	ND(100)	**100**	ND	ND	ND(100)	ND	ND	ND	--	ND	ND	ND(100)	ND	ND	ND(200)	ND(100)	200	ND(100)	ND	ND(2,500)	ND(100)	**200**	**2,200**	**80,600**	ND(100)	1,000	**10,500**	ND	ND(100)
	11/4/2013	**23,000**	ND(100)	**266**	ND	ND	ND(100)	ND	ND	ND	--	ND	ND	ND(100)	ND	ND	ND(200)	ND(100)	271	ND(100)	ND	ND(2,500)	ND(100)	**317**	**4,450**	**226,000**	ND(100)	1,500	**23,100**	ND	ND(100)
	6/10/2014	**1,900**	ND(100)	ND(100)	ND	ND	ND(100)	ND	ND	ND	--	ND	ND	ND(100)	ND	ND	ND(200)	ND(100)	ND(100)	ND(100)	ND	ND(2,500)	ND(100)	ND(100)	300	**21,200**	ND(100)	ND(300)	**3,800**	ND	ND(100)
	8/19/2014	**11,800**	ND(100)	**200**	ND	ND	ND(100)	ND	ND	ND	--	ND	ND	ND(100)	ND	ND	ND(200)	ND(100)	200	ND(100)	ND	ND(2,500)	ND(100)	**200**	**2,200**	**131,000**	ND(100)	800	**13,100**	ND	ND(100)
	11/10/2014	**15,000**	ND(100)	**200**	ND	ND	ND(100)	ND	ND	ND	--	ND	ND	ND(100)	ND	ND	ND(200)	ND(100)	200	ND(100)	ND	ND(2,500)	ND(100)	**200**	**2,700**	**175,000**	ND(100)	800	**14,800**	ND	ND(100)
	6/15/2015	**2,200**	ND(100)	**200**	ND	ND	ND(100)	ND	ND	ND	--	ND	ND	ND(100)	ND	ND	ND(200)	ND(100)	ND(100)	ND(100)	ND	ND(2,500)	ND(100)	ND(100)	400	**24,500**	ND(100)	ND(300)	**2,600**	ND	ND(100)
	8/24/2015	**16,600**	ND(100)	**300**	ND	ND	ND(100)	ND	ND	ND	--	ND	ND	ND(100)	ND	ND	ND(200)	ND(100)	300	ND(100)	ND	ND(2,500)	ND(100)	**300**	**3,800**	**214,000**	ND(100)	1,300	**17,000**	ND	ND(100)
	11/17/2015	**24,500**	29.7	**395**	22.4	ND(1)	ND(1)	7.3	ND(1)	2.4	--	ND(25)	ND(25)	**107**	ND(1)	ND(1)	ND(2)	10.7	271	ND(1)	5.3	ND(25)	ND(1)	**400**	**4,710**	**254,000**	**3.2**	1,460	**16,300**	4.4	**333 E**
	6/21/2016	**10,200**	20	**200**	20	ND(1)	ND(1)	6	ND(1)	2	--	ND(20)	ND(20)	**70**	2	ND(1)	ND(2)	7	200	ND(1)	3	ND(20)	ND(1)	**200**	**2,100**	**134,000**	1.0	900	**13,100**	4.0	**400 E**
	11/11/2016	**25,700**	30	**500**	20	ND(1)	ND(1)	6	ND(1)	2	--	ND(20)	60	**100**	ND(1)	ND(1)	ND(2)	10	300	ND(1)	3	ND(20)	ND(1)	**400**	**5,000**	**331,000**	**6.0**	1,400	**31,700**	4.0	**300 E**
	6/14/2017	**3,420**	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	--	ND(2,500)	ND(2,500)	ND(100)	ND(100)	ND(100)	ND(200)	ND(100)	ND(100)	ND(100)	ND(100)	ND(2,500)	ND(100)	ND(100)	390	**30,300**	ND(100)	ND(200)	**2,250**	ND(100)	ND(100)
	11/17/2017	**12,400**	ND(100)	**275**	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	--	ND(25)	ND(2,500)	ND(100)	ND(1)	ND(100)	ND(200)	ND(100)	165	ND(100)	ND(100)	ND(2,500)	ND(100)	**229**	**2,210**	**167,000**	ND(100)	821	**10,600**	ND(100)	ND(100)
	6/26/2018	**3,790**	ND(200)	ND(200)	ND(400)	ND(200)	ND(200)	ND(400)	ND(200)	ND(200)	ND(25,000)	ND(2,000)	ND(2,000)	ND(100)	ND(400)	ND(200)	ND(200)	ND(200)	ND(200)	ND(200)	ND(1,000)	ND(2,000)	ND(400)	ND(200)	386	**48,900**	ND(200)	119	**1,870**	ND(400)	ND(200)
	11/12/2018	**250**	ND(19)	ND(12)	ND(62)	ND(62)	ND(12)	ND(62)	ND(62)	ND(62)	ND(6,200)	ND(120)	ND(120)	ND(12)	ND(120)	ND(12)	ND(25)	ND(19)	ND(12)	ND(25)	ND(62)	ND(250)	ND(50)	ND(12)	ND(19)	**2,700**	ND(25)	ND(25)	**200**	ND(12)	ND(19)
	6/24/2019	76	ND(7.5)	ND(5)	ND(25)	ND(25)	ND(5)	ND(25)	ND(25)	ND(25)	ND(2,500)	ND(50)	ND(50)	ND(5)	ND(50)	ND(5)	ND(10)	ND(7.5)	ND(5)	ND(10)	ND(25)	ND(100)	ND(20)	**6.1**	ND(7.5)	**1,200**	ND(10)	ND(10)	**75**	ND(5)	ND(7.5)
	6/24/2019[DUP]	78	ND(7.5)	ND(5)	ND(25)	ND(25)	ND(5)	ND(25)	ND(25)	ND(25)	ND(2,500)	ND(50)	ND(50)	ND(5)	ND(50)	ND(5)	ND(10)	ND(7.5)	ND(5)	ND(10)	ND(25)	ND(100)	ND(20)	**5.7**	ND(7.5)	**1,200**	ND(10)	ND(10)	**78**	ND(5)	ND(7.5)
	11/13/2019	**2,600**	ND(300)	ND(200)	ND(1,000)	ND(1,000)	ND(200)	ND(1,000)	ND(1,000)	ND(1,000)	ND(100,000)	ND(2,000)	ND(2,000)	ND(200)	ND(2,000)	ND(200)	ND(400)	ND(300)	ND(200)	ND(400)	ND(1,000)	ND(4,000)	ND(800)	ND(200)	370	**36,000**	ND(400)	ND(400)	**1,700**	ND(200)	ND(300)

TABLE 5A
SUMMARY OF GROUNDWATER VOC ANALYTICAL DATA - UPPER HYDROGEOLOGIC UNIT
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Well ID	Sample Date	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichlorobenzene	1,2-Dichloroethane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane	2-Butanone (MEK)	Acetone	Benzene	Carbon disulfide	Chlorobenzene	Chloroethane	Chloroform	Ethylbenzene	Methyl tert butyl ether (MTBE)	Naphthalene	tert-Butyl Alcohol (TBA)	Tert-Amyl Methyl Ether (TAME	Tetrachloroethene	Toluene	Trichloroethene	Vinyl chloride	Xylenes (total)	cis-1,2-Dichloroethene	n-Propylbenzene	trans-1,2-Dichloroethene
NH AGQS		200	81	7	330	600	5	330	600	75	0.32	4,000	6,000	5	70	100	NS	70	700	13	100	40	140	5	1,000	5	2	10,000	70	260	100
GZ-609U	8/1/2010	**5,800**	ND(500)	ND(500)	ND	ND	ND(500)	ND	ND	ND	--	ND	ND	ND(500)	ND	ND	ND(3,000)	ND(500)	ND(500)	ND(500)	ND	ND(20,000)	ND(3,000)	ND(500)	**1,500**	**86,000**	ND(1,000)	1,200	**3,700**	ND	ND(500)
	11/1/2010	**2,600**	ND(200)	ND(200)	ND	ND	ND(200)	ND	ND	ND	--	ND	ND	ND(200)	ND	ND	ND(1,000)	ND(200)	ND(200)	ND(200)	ND	ND(6,000)	ND(1,000)	ND(200)	400	**28,000**	ND(400)	400	**2,700**	ND	ND(200)
	8/1/2011	**2,400**	ND(100)	**140**	ND	ND	ND(100)	ND	ND	ND	--	ND	ND	ND(100)	ND	ND	ND(100)	ND(100)	200	ND(100)	ND	ND(2,500)	ND(200)	**130**	730	**23,000**	ND(100)	1,110	**4,200**	ND	ND(100)
	11/12/2011	**1,400**	ND(100)	ND(100)	ND	ND	ND(100)	ND	ND	ND	--	ND	ND	ND(100)	ND	ND	ND(100)	ND(100)	ND(100)	ND(100)	ND	ND(2,500)	ND(200)	ND(100)	240	**15,000**	ND(100)	220	**1,600**	ND	ND(100)
	6/1/2012	**2,720**	ND(500)	ND(500)	ND	ND	ND(500)	ND	ND	ND	--	ND	ND	ND(500)	ND	ND	ND(500)	ND(500)	ND(500)	ND(500)	ND	ND(12,500)	ND(1,000)	ND(500)	ND(500)	**33,400**	ND(500)	ND(150)	**3,140**	ND	ND(500)
	8/12/2012	**2,460**	ND(100)	**254**	ND	ND	ND(100)	ND	ND	ND	--	ND	ND	ND(100)	ND	ND	ND(200)	ND(100)	111	ND(100)	ND	ND(2,500)	ND(100)	ND(100)	682	**25,500**	ND(100)	557	**4,770**	ND	ND(100)
	11/1/2012	**1,280**	ND(1,000)	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1,000)	ND	ND	ND(2,000)	ND(1,000)	ND(1,000)	ND(1,000)	ND	ND(25,000)	ND(1,000)	ND(1,000)	ND(1,000)	**15,400**	ND(1,000)	ND(1,000)	ND(1,000)	ND	ND(1,000)
	8/26/2013	**7,900**	ND(100)	**200**	ND	ND	ND(100)	ND	ND	ND	--	ND	ND	ND(100)	ND	ND	ND(200)	ND(100)	100	ND(100)	ND	ND(2,500)	ND(100)	**100**	**1,600**	**76,000**	ND(100)	800	**9,000**	ND	ND(100)
	11/4/2013	**6,170**	ND(100)	**160**	ND	ND	ND(100)	ND	ND	ND	--	ND	ND	ND(100)	ND	ND	ND(200)	ND(100)	ND(100)	ND(100)	ND	ND(2,500)	ND(100)	**102**	726	**60,700**	ND(100)	600	**9,070**	ND	ND(100)
	6/10/2014	**5,500**	ND(100)	**100**	ND	ND	ND(100)	ND	ND	ND	--	ND	ND	ND(100)	ND	ND	ND(200)	ND(100)	200	ND(100)	ND	ND(2,500)	ND(100)	**100**	**1,300**	**45,800**	ND(100)	1,100	**12,400**	ND	ND(100)
	8/19/2014	**1,100**	ND(100)	ND(100)	ND	ND	ND(100)	ND	ND	ND	--	ND	ND	ND(100)	ND	ND	ND(200)	ND(100)	ND(100)	ND(100)	ND	ND(2,500)	ND(100)	ND(100)	100	**12,700**	ND(100)	ND(300)	**2,400**	ND	ND(100)
	11/10/2014	**2,000**	ND(100)	ND(100)	ND	ND	ND(100)	ND	ND	ND	--	ND	ND	ND(100)	ND	ND	ND(200)	ND(100)	200	ND(100)	ND	ND(2,500)	ND(100)	**100**	400	**21,600**	ND(100)	1,000	**5,700**	ND	ND(100)
	6/15/2015	**3,000**	ND(100)	**300**	ND	ND	ND(100)	ND	ND	ND	--	ND	ND	ND(100)	ND	ND	ND(200)	ND(100)	100	ND(100)	ND	ND(2,500)	ND(100)	ND(100)	700	**29,900**	ND(100)	800	**8,300**	ND	ND(100)
	8/24/2015	**1,700**	ND(100)	ND(100)	ND	ND	ND(100)	ND	ND	ND	--	ND	ND	ND(100)	ND	ND	ND(200)	ND(100)	100	ND(100)	ND	ND(2,500)	ND(100)	ND(100)	400	**10,200**	ND(100)	500	**9,800**	ND	ND(100)
	11/17/2015	**8,040**	46.8	**110**	81	1.9	ND(1)	24.5	ND(1)	6.1	--	ND(25)	40.7	**15.2**	ND(1)	ND(1)	ND(2)	2.2	365	ND(1)	11.7	ND(25)	ND(1)	**65.5**	**1,990**	**17,600**	**47.2**	2,380	**45,000**	15.4	**216**
	6/21/2016	200	10	**8**	ND(1)	1	ND(1)	ND(1)	ND(1)	2	--	ND(20)	ND(20)	1	ND(1)	ND(1)	ND(2)	ND(1)	5	ND(1)	ND(1)	ND(20)	ND(1)	5	30	**1,900**	**10**	30	**1,300**	ND(1)	7
	11/11/2016	**1,100**	20	**40**	1	ND(1)	ND(1)	ND(1)	ND(1)	2	--	ND(20)	ND(20)	5	ND(1)	ND(1)	ND(2)	ND(1)	2	ND(1)	ND(1)	ND(20)	ND(1)	**30**	20	**11,700**	**20**	50	**3,500**	ND(1)	30
	6/14/2017	**886**	39.3	**17.8**	4.9	ND(1)	ND(1)	1.6	ND(1)	1.8	--	ND(25)	ND(25)	3.2	ND(1)	ND(1)	ND(2)	ND(1)	33.7	ND(1)	ND(1)	ND(25)	ND(1)	**15.5**	115	**5,000**	**82.1**	209	**5,730**	1.2	30
	11/17/2017	**804**	17.8	**31.1**	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	2.1	--	ND(25)	ND(25)	3.8	ND(1)	ND(1)	ND(2)	ND(1)	1.2	ND(1)	ND(1)	ND(25)	ND(1)	**21.1**	9.5	**9,990**	**17.8**	30.3	**2,350**	ND(1)	19.4
	6/26/2018	**722**	10.8	ND(50)	ND(100)	ND(50)	ND(50)	ND(100)	ND(50)	ND(50)	ND(6,300)	ND(500)	ND(500)	ND(25)	ND(100)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(250)	ND(500)	ND(100)	ND(50)	34.9	**8,550**	ND(50)	38	**1,780**	ND(100)	ND(50)
	11/12/2018	**320**	ND(30)	ND(20)	ND(100)	ND(100)	ND(20)	ND(100)	ND(100)	ND(100)	ND(10,000)	ND(200)	ND(200)	ND(20)	ND(200)	ND(20)	ND(40)	ND(30)	ND(20)	ND(40)	ND(100)	ND(400)	ND(80)	ND(20)	ND(30)	**4,300**	ND(40)	ND(40)	**460**	ND(20)	ND(30)
	6/26/2019	**2,300**	ND(150)	ND(100)	ND(500)	ND(500)	ND(100)	ND(500)	ND(500)	ND(500)	ND(50,000)	ND(1,000)	ND(1,000)	ND(100)	ND(1,000)	ND(100)	ND(200)	ND(150)	ND(100)	ND(200)	ND(500)	ND(2,000)	ND(400)	ND(100)	370	**29,000**	ND(200)	ND(200)	**3,900**	ND(100)	ND(150)
	6/26/2019[DUP]	**2,300**	ND(190)	ND(120)	ND(620)	ND(620)	ND(120)	ND(620)	ND(620)	ND(620)	ND(62,000)	ND(1,200)	ND(1,200)	ND(120)	ND(1,200)	ND(120)	ND(250)	ND(190)	ND(120)	ND(250)	ND(620)	ND(2,500)	ND(500)	ND(120)	340	**33,000**	ND(250)	ND(250)	**3,900**	ND(120)	ND(190)
	11/14/2019	**290**	ND(30)	ND(20)	ND(100)	ND(100)	ND(20)	ND(100)	ND(100)	ND(100)	ND(10,000)	ND(200)	ND(200)	ND(20)	ND(200)	ND(20)	ND(40)	ND(30)	ND(20)	ND(40)	ND(100)	ND(400)	ND(80)	ND(20)	ND(30)	**3,500**	ND(40)	ND(40)	**620**	ND(20)	ND(30)
	11/13/2019[DUP]	**300**	ND(30)	ND(20)	ND(100)	ND(100)	ND(20)	ND(100)	ND(100)	ND(100)	ND(10,000)	ND(200)	ND(200)	ND(20)	ND(200)	ND(20)	ND(40)	ND(30)	ND(20)	ND(40)	ND(100)	ND(400)	ND(80)	ND(20)	ND(30)	**3,500**	ND(40)	ND(40)	**610**	ND(20)	ND(30)
GZ-611U	8/6/2019	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.15)	ND(5)	ND(5)	ND(0.5)	ND(5)	ND(0.5)	ND(1)	ND(0.75)	ND(0.5)	ND(1)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	3.7	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.75)
GZ-612U	8/1/2010	**2,800**	ND(500)	ND(500)	ND	ND	ND(500)	ND	ND	ND	--	ND	ND	ND(500)	ND	ND	ND(3,000)	ND(500)	ND(500)	ND(500)	ND	ND(20,000)	ND(3,000)	ND(500)	1,000	**24,000**	ND(1,000)	ND(500)	**28,000**	ND	ND(500)
	11/1/2010	**10,000**	ND(500)	ND(500)	ND	ND	ND(500)	ND	ND	ND	--	ND	ND	ND(500)	ND	ND	ND(3,000)	ND(500)	ND(500)	ND(500)	ND	ND(20,000)	ND(3,000)	ND(500)	**3,400**	**100,000**	ND(1,000)	800	**53,000**	ND	ND(500)
	8/1/2011	**8,400**	ND(500)	**730**	ND	ND	ND(500)	ND	ND	ND	--	ND	ND	ND(500)	ND	ND	ND(500)	ND(500)	ND(500)	ND(500)	ND	ND(13,000)	ND(1,000)	ND(500)	**2,800**	**76,000**	ND(500)	ND(750)	**46,000**	ND	ND(500)
	11/12/2011	**5,600**	ND(500)	ND(500)	ND	ND	ND(500)	ND	ND	ND	--	ND	ND	ND(500)	ND	ND	ND(500)	ND(500)	ND(500)	ND(500)	ND	ND(13,000)	ND(1,000)	ND(500)	**2,400**	**62,000**	ND(500)	ND(750)	**24,000**	ND	ND(500)
	6/1/2012	**19,100**	ND(2,000)	ND(2,000)	ND	ND	ND(2,000)	ND	ND	ND	--	ND	ND	ND(2,000)	ND	ND	ND(2,000)	ND(2,000)	ND(2,000)	ND(2,000)	ND	ND(50,000)	ND(4,000)	ND(2,000)	**7,040**	**198,000**	ND(2,000)	ND(6,000)	**1,100**	ND	ND(2,000)
	8/12/2012	41	6	1.9	1.2	7.4	ND(1)	ND	2.4	7.9	--	ND	ND	ND(1,000)	1.9	3.2	ND(2)	ND(1,000)	3	ND(1,000)	1.1	ND(25,000)	ND(1,000)	ND(1,000)	12	**46**	**34.7**	10.2	**1,150**	ND	6
	11/1/2012	**7,290**	**123**	**283**	ND	ND	ND(100)	ND	ND	ND	--	ND	ND	ND(100)	ND	ND	ND(200)	ND(100)	172	ND(100)	ND	ND(2,500)	ND(100)	**316**	**2,510**	**60,600**	**393**	781	**38,100**	ND	**181**
	8/26/2013	**1,400**	ND(100)	ND(100)	ND	ND	ND(100)	ND	ND	ND	--	ND	ND	ND(100)	ND	ND	ND(200)	ND(100)	ND(100)	ND(100)	ND	ND(2,500)	ND(100)	ND(100)	500	**2,900**	**100**	ND(300)	**19,500**	ND	ND(100)
	11/4/2013	**414**	ND(100)	ND(100)	ND	ND	ND(100)	ND	ND	ND	--	ND	ND	ND(100)	ND	ND	ND(200)	ND(100)	ND(100)	ND(100)	ND	ND(2,500)	ND(100)	ND(100)	ND(100)	**794**	ND(100)	ND(200)	**6,630**	ND	ND(100)
	6/10/2014	**9,500**	**200**	**400**	ND	ND	ND(100)	ND	ND	ND	--	ND	ND	ND(100)	ND	ND	ND(200)	ND(100)	300	ND(100)	ND	ND(2,500)	ND(100)	**500**	**4,500**	**93,400**	**600**	1,600	**57,100**	ND	**300**
	8/19/2014	200	ND(100)	ND(100)	ND	ND	ND(100)	ND	ND	ND	--	ND	ND	ND(100)	ND	ND	ND(200)	ND(100)	ND(100)	ND(100)	ND	ND(2,500)	ND(100)	ND(100)	ND(100)	**100**	ND(100)	ND(300)	**2,300**	ND	ND(100)
	11/10/2014	**7,800**	**200**	**400**	ND	ND	ND(100)	ND	ND	ND	--	ND	ND	ND(100)	ND	ND	ND(200)	ND(100)	200	ND(100)	ND	ND(2,500)	ND(100)	**200**	**3,700**	**40,800**	**700**	1,200	**75,700**	ND	**300**
	6/15/2015	**3,200**	ND(100)	**400**	ND	ND	**200**	ND	ND	ND	--	ND	ND	ND(100)	ND	ND	ND(200)	ND(100)	100	ND(100)	ND	ND(2,500)	ND(100)	**200**	**1,700**	**25,700**	ND(100)	700	**25,200**	ND	ND(100)
	8/24/2015	ND(1)	8	**8**	ND	5	ND(100)	ND	1	4	--	ND	ND	ND(100)	ND	1	ND(200)	ND(100)	4	ND(100)	ND	ND(2,500)	ND(100)	ND(100)	3	**20**	**10**	9	**1,600**	ND	10
	11/17/2015	**921**	25.4	**41.3**	3.1	6	ND(1)	ND(1)	2	5.4	--	ND(25)	ND(25)	3.3	ND(1)	1.8	ND(2)	ND(1)	24.5	ND(1)	2.1	ND(25)	ND(1)	**11.4**	198	**2,450**	**271**	120	**10,200**	1.1	68.3
	6/21/2016	40	9	3	ND(1)	9.0	--	ND(1)	2	8	--	ND(20)	ND(20)	ND(1)	ND(1)	3.0	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	3	**30**	**20**	ND(3)	**1,300**	ND(1)	10
	11/11/2016	80	9	7	ND(1)	3	ND(1)	ND(1)	2	3	--	ND(20)	ND(20)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	1.0	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	10	**200**	**20**	7.0	**1,900**	ND(1)	9
	6/14/2017	**434**	14.6	**20.4**	2.1	6.6	ND(1)	ND(1)	1.9	6	--	ND(25)	ND(25)	1.5	ND(1)	3	ND(2)	ND(1)	17.8	ND(1)	ND(1)	ND(25)	ND(1)	**18.9**	227	**2,980**	**41**	109	**4,930**	ND(1)	28.8
	11/17/2017	**2,790**	ND(100)	**173**	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	--	ND(25)	ND(25)	ND(100)	ND(1)	ND(100)	ND(200)	ND(100)	102	ND(100)	ND(100)	ND(2,500)	ND(100)	**112**	**1,170**	**32,600**	**322**	473	**39,000**	ND(100)	**124**
	6/26/2018	**1,570**	40	**86.8**	ND(100)	ND(50)	ND(50)	ND(100)	ND(50)	ND(50)	ND(6,300)	ND(500)	ND(500)	ND(25)	ND(100)	ND(50)	ND(50)	ND(50)	67.4	ND(50)	ND(250)	ND(500)	ND(100)	**97.6**	662	**16,200**	**108**	358	**14,900**	ND(100)	85
	11/13/2018	1.3	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(250)	ND(5)	ND(5)	ND(0.5)	ND(5)	1.1	ND(1)	ND(0.75)	ND(0.5)	ND(1)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	2.5	1.8	ND(1)	51	ND(0.5)	0.89
	6/24/2019	**860**	ND(75)	ND(50)	ND(250)	ND(250)	ND(50)	ND(250)	ND(250)	ND(250)	ND(25,000)	ND(500)	ND(500)	ND(50)	ND(50)	ND(50)	ND(100)	ND(75)	ND(50)	ND(100)	ND(250)	ND(1,000)	ND(200)	**71**	240	**10,000**	ND(100)	ND(100)	**5,400**	ND(50)	ND(75)
	11/13/2019	**1,800**	ND(150)	**120**	ND(500)	ND(500)	ND(100)	ND(500)	ND(500)	ND(500)	ND(50,000)	ND(1,000)	ND(1,000)	ND(100)	ND(1,000)	ND(100)	ND(200)	ND(150)	ND(100)	ND(200)	ND(500)	ND(2,000)	ND(400)	**160**	690	**24,000**	ND(200)	220	**11,000**	ND(100)	ND(150)
	11/13/2019[DUP]	**1,800**	ND(150)	**120**	ND(500)	ND(500)	ND(100)	ND(500)	ND(500)	ND(500)	ND(50,000)	ND(1,000)	ND(1,000)	ND(100)	ND(1,000)	ND(100)	ND(200)	ND(150)	ND(100)	ND(200)	ND(500)	ND(2,000)	ND(400)	**150**	640	**24,000**	ND(200)	230	**11,000**	ND(100)	ND(150)
GZ-615U	8/6/2019	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(250)	ND(5)	ND(5)	ND(0.5)	ND(5)	ND(0.5)	ND(1)	ND(0.75)	ND(0.5)	ND(1)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.75)
GZ-802US	8/1/2011	**58,000**	ND(5,000)	ND(5,000)	ND	ND	ND(5,000)	ND	ND	ND	--	ND	ND	ND(5,000)	ND	ND	ND(5,000)	ND(5,000)	ND(5,000)	--	ND	ND(130,000)	ND(10,000)	ND(5,000)	**16,000**	**540,000**	ND(5,000)	ND(7,500)	**44,000**	ND	ND(5,000)
	6/10/2014	**12,300**	**200**	**100**	ND	ND	ND(100)	ND	ND	ND	--	ND	ND	ND(100)	ND	ND	ND(200)	ND(100)	200	ND(100)	ND	ND(2,500)	ND(100)	**300**	**3,400**	**121,000**	ND(100)	1,200	**53,000**	ND	**300**
	11/10/2014	**17,600**	**1,100**	**200**	ND	ND	ND(100)	ND	ND	ND	--	ND	ND	**100**	ND	ND	ND(200)	ND(100)	300	ND(100)	ND	ND(2,500)	ND(100)	**400**	**5,700**	**196,000**	ND(100)	1,900	**103,000**	ND	**400**
	11/17/2015	**47,800**	**2,350**	**531**	84.1	6.2	3.2	25.5	1.2	17.4	--	ND(25)	43.6	**242**	5.1	ND(1)	3	15.5	469	ND(1)	21.6	ND(25)	ND(1)	**402**	**6,900**	**266,000**	**61.5**	2,920	**221,000**	26.8	**1,030**
	6/21/2016	**1,300**	**100**	**20**	6	2	ND(1)	2	ND(1)	6	--	ND(20)	ND(20)	**6**	ND(1)	ND(1)	ND(2)	ND(1)	10	ND(1)	3	ND(20)	ND(1)	**70**	100	**7,000**	**6**	100	**17,400**	2	**100**
	11/11/2016	**40,800**	**1,600**	**700**	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	--	ND(2,500)	ND(2,500)	**300**	ND(100)	ND(100)	ND(200)	ND(100)	400	ND(100)	ND(100)	ND(2,500)	ND(100)	**400**	**8,400**	**335,000**	**300**	2,100	**222,000**	ND(100)	**1,000**
	6/14/2017	**9,380**	**399**	**176**	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	--	ND(2,500)	ND(2,500)	ND(100)	ND(100)	ND(100)	ND(200)	ND(100)	ND(100)	ND(100)	ND(100)	ND(2,500)	ND(100)	**148**	**1,530**	**50,000**	ND(100)	272	**77,200**	ND(100)	**495**
	11/17/2017	**8,180**	**496**	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	--	ND(25)	ND(25)	ND(100)	ND(100)	ND(100)	ND(2)	ND(100)	ND(100)	ND(100)	ND(100)	ND(2,500)	ND(100)	**143**	**1,030**	**44,200**	**109**	422	**93,100**	ND(100)	**681**
	6/26/2018	**8,040**	**183**	ND(500)	ND(1,000)	ND(500)	ND(500)	ND(1,000)	ND(500)	ND(500)	ND(63,000)	ND(5,000)	ND(5,000)	ND(250)	ND(1,000)	ND(500)	ND(500)	ND(500)	ND(500)	ND(500)	ND(2,500)	ND(5,000)	ND(1,000)	ND(500)	**1,560**	**67,200**	ND(500)	313	**60,400**	ND(1,000)	**371**
	11/13/2018	**4,600**	**540**	ND(200)	ND(1,000)	ND(1,000)	ND(200)	ND(1,000)	ND(1,000)	ND(1,000)	ND(100,000)	ND(2,000)	ND(2,000)	ND(200)	ND(2,000)	ND(200)	ND(400)	ND(300)	ND(200)	ND(400)	ND(1,000)	ND(4,000)	ND(800)	ND(200)	740	**56,000**	ND(400)	ND(400)	**87,000**	ND(200)	**520**
	6/24/2019	**320**	**200**	ND(50)	ND(250)	ND(250)	ND(50)	ND(250)	ND(250)	ND(250)	ND(25,000)	ND(500)	ND(500)	ND(50)	ND(500)	ND(50)	ND(100)	ND(75)	ND(50)	ND(100)	ND(250)	ND(1,000)	ND(200)	ND(50)	360	**470**	**2,100**	110	**33,000**	ND(50)	**350**
	8/8/2019	--	--	--	--	--	--	--	--	--	ND(0.144)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/13/2019	**3,000**	ND(750)	ND(500)	ND(2,500)	ND(2,500)	ND(500)	ND(2,500)	ND(2,500)	ND(2,500)	ND(250,000)	ND(5,000)	ND(5,000)	ND(500)	ND(5,000)	ND(500)	ND(1,000)	ND(750)	ND(500)	ND(1,000)	ND(2,500)	ND(10,000)	ND(2,000)	ND(500)	ND(750)	**28,000**	**1,000**	ND(1,000)	**81,000**	ND(500)	ND(750)
	11/13/2019[DUP]	**2,800**	ND(750)	ND(500)	ND(2,500)	ND(2,500)	ND(500)	ND(2,500)	ND(2,500)	ND(2,500)	ND(250,000)	ND(5,000)	ND(5,000)	ND(500)	ND(5,000)	ND(500)	ND(1,000)	ND(750)	ND(500)	ND(1,000)	ND(2,500)	ND(10,000)	ND(2,000)	ND(500)	ND(750)	**27,000**	**1,000**	ND(1,000)	**81,000**	ND(500)	ND(750)
GZ-802 UD	8/8/2019	**6,900**	**1,500**	ND(500)	ND(2,500)	ND(2,500)	ND(500)	ND(2,500)	ND(2,500)	ND(2,500)	ND(0.144)	ND(5,000)	ND(5,000)	ND(500)	ND(5,000)	ND(500)	ND(1,000)	ND(750)	620	ND(1,000)	ND(2,500)	ND(10,000)	ND(2,000)	ND(500)	**4,600**	**10,000**	**5,100**	2,600	**120,000**	ND(500)	ND(750)
	8/8/2019[DUP]	**7,000**	**1,500**	ND(500)	ND(2,500)	ND(2,500)	ND(500)	ND(2,500)	ND(2,500)	ND(2,500)	ND(250,000)	ND(5,000)	ND(5,000)	ND(500)	ND(5,000)	ND(500)	ND(1,000)	ND(750)	630	ND(1,000)	ND(2,500)	ND(10,000)	ND(2,000)	ND(500)	**4,600**	**12,000**	**5,100**	2,500	**130,000**	ND(500)	ND(750)
GZ-TW1U	9/25/2014	**2300**	**500**	ND(100)	100	ND(100)	ND	ND(100)	ND(100)	ND(100)	--	--	ND	ND(100)	ND	ND(100)	ND(200)	ND	500	--	ND(100)	--	--	**200**	**1,500**	**6,700**	**4,000**	2,800	**35,300**	ND(100)	100
	3/10/2015	200	ND(100)	ND(100)	ND(100)	ND(100)	ND	ND(100)	ND(100)	ND(100)	--	--	ND	ND(100)	ND	ND(100)	ND(200)	ND	ND(100)	--	ND(100)	--	--	ND(100)	200	**200**	**900**	ND(300)	**5,800**	ND(100)	ND(100)
	6/22/2016	9	60	ND(1)	3	1	ND(1)	1	ND(1)	3	--	--	ND(20)	1	ND(1)	1	30	ND(1)	20	--	ND(1)	--	--	ND(1)	60	**9**	**300**	80	**700**	ND(1)	10
	11/14/2016	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	--	--	ND(2,500)	ND(100)	ND(100)	ND(100)	300	ND(100)	ND(100)	--	ND(100)	--	--	ND(100)	100	ND(100)	**1,100**	ND(300)	**3,300**	ND(100)	ND(100)
	8/8/2019	ND(0.5)	0.86	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.139)	ND(5)	ND(5)	ND(0.5)	ND(5)	ND(0.5)	ND(1)	ND(0.75)	4.9	ND(1)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	ND(0.5)	1.7	16	2.2	ND(0.5)	ND(0.75)
GZ-TW1L	9/25/2014	**46,000**	**900**	**300**	100	ND(100)	ND	ND(100)		ND(100)	--			**100**	ND		ND(200)	ND	**1,600**	--	ND(100)	--	--	**1,600**	**12,600**	**401,000**	**5,300**	9,500	**241,000**	ND(100)	**800**
	6/22/2016	**27,100**	**600**	**200**	200	ND(100)	ND(100)	ND(100)		ND(100)	--			ND(100)	ND(100)		ND(200)	ND(100)	**1,400**	--	ND(100)	--	--	**700**	**8,400**	**180,000**	**2,200**	7,600	**166,000**	ND(100)	**600**
	11/14/2016	**26,000**	**1,600**	**400**	200	ND(100)	ND(100)	ND(100)		ND(100)	--			**100**	ND(100)		ND(200)	ND(100)	**1,300**	--	ND(100)	--	--	**300**	**11,200**	**79,900**	**6,100**	7,600	**343,000**	ND(100)	**1,300**
	8/8/2019	**38,000**	ND(1,500)	ND(1,000)	ND(5,000)	ND(5,000)	ND(1,000)	ND(5,000)	ND(5,000)	ND(5,000)	ND(13.9)	ND(10,000)	ND(10,000)	ND(1,000)	ND(10,000)	ND(1,000)	ND(2,000)	ND(1,500)	**1,600**	ND(2,000)	ND(5,000)	ND(20,000)	ND(4,000)	**1,100**	**11,000**	**200,000**	**5,000**	7,000	**220,000**	ND(1,000)	ND(1,500)
UW19-04U	8/7/2019	1,800	ND(150)	**180**	ND(500)	ND(500)	ND(100)	ND(500)	ND(500)	ND(500)	ND(50,000)	ND(1,000)	ND(1,000)	ND(100)	ND(1,000)	ND(100)	ND(200)	ND(150)	ND(100)	ND(200)	ND(500)	ND(2,000)	ND(400)	ND(100)	280	ND(100)	**2,200**	ND(200)	29,000	ND(100)	ND(150)
UW19-05U	8/7/2019	3.7	2.8	0.92	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(250)	ND(5)	ND(5)	ND(0.5)	ND(5)	ND(0.5)	ND(1)	ND(0.75)	ND(0.5)	ND(1)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	**59**	ND(1)	ND(1)	**83**	ND(0.5)	ND(0.75)
UW19-06U	8/7/2019	200	**190**	**37**	ND(120)	ND(120)	ND(25)	ND(120)	ND(120)	ND(120)	ND(12,000)	ND(250)	ND(250)	ND(25)	ND(250)	ND(25)	83	ND(38)	44	ND(50)	ND(120)	ND(500)	ND(100)	ND(25)	180	ND(25)	**2,600**	92	**7,300**	ND(25)	51

TABLE 5A
SUMMARY OF GROUNDWATER VOC ANALYTICAL DATA - UPPER HYDROGEOLOGIC UNIT
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Well ID	Sample Date	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichlorobenzene	1,2-Dichloroethane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane	2-Buttanone (MEK)	Acetone	Benzene	Carbon disulfide	Chlorobenzene	Chloroethane	Chloroform	Ethylbenzene	Methyl tert butyl ether (MTBE)	Naphthalene	tert-Butyl Alcohol (TBA)	Tert-Amyl Methyl Ether (TAME	Tetrachloroethene	Toluene	Trichloroethene	Vinyl chloride	Xylenes (total)	cis-1,2-Dichloroethene	n-Propylbenzene	trans-1,2-Dichloroethene
NH AGQS		200	81	7	330	600	5	330	600	75	0.32	4,000	6,000	5	70	100	NS	70	700	13	100	40	140	5	1,000	5	2	10,000	70	260	100
AOI #3 - Other Potential Sources Area																															
GZ-3A	8/1/2010	ND(10)	50	ND(10)	ND	ND	ND(10)	ND	ND	ND	--	300	600	ND(10)	ND	ND	320	ND(10)	70	ND(10)	ND	ND(300)	ND(50)	ND(10)	250	ND(10)	**780**	280	**180**	ND	20
	11/1/2010	ND(10)	70	ND(100)	10	10	ND(10)	ND	ND	ND	--	200	200	ND(10)	ND	ND	690	ND(10)	180	ND(10)	ND	ND(300)	ND(50)	ND(10)	640	ND(10)	ND(20)	770	10	ND	60
	8/1/2011	ND(2.5)	30	ND(2.5)	4.6	3.2	ND(2.5)	ND	ND	ND	--	190	180	ND(2.5)	ND	ND	260	ND(2.5)	57	ND(2.5)	ND	ND(63)	ND(5)	ND(2.5)	170	ND(2.5)	**400**	216	**280**	ND	19
	11/12/2011	ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	7.9	ND(1)	1.2	ND(1)	ND	ND(25)	ND(2)	ND(1)	5.2	ND(1)	1.6	4.1	ND(1)	ND	ND(1)
	6/1/2012	90.2	**169**	ND(25)	ND	ND	ND(25)	ND	ND	ND	--	ND	ND	ND(25)	ND	ND	74.2	ND(25)	51.2	ND(25)	ND	ND(625)	ND(50)	ND(25)	119	ND(25)	**1,420**	189.5	**2,490**	ND	ND(25)
	8/12/2012	75.5	**184**	**7.6**	3.7	2.4	ND(1)	ND	ND	1.3	--	ND	ND	ND(1)	ND	1.1	85	ND(1)	70	ND(1)	1.5	ND(25)	ND(1)	ND(1)	126	ND(1)	**1,210**	149	**3,450**	ND	29.9
	11/1/2012	ND(100)	**235**	ND(100)	ND	ND	ND(100)	ND	ND	ND	--	ND	ND	ND(100)	ND	ND	ND(200)	ND(100)	ND(100)	ND(100)	ND	ND(2,500)	ND(100)	ND(100)	199	ND(100)	**1,660**	218	**1,640**	ND	ND(100)
	8/26/2013	**800**	**400**	ND(100)	ND	ND	**400**	ND	ND	ND	--	ND	ND	ND(100)	ND	ND	ND(200)	ND(100)	100	ND(100)	ND	ND(2,500)	ND(100)	ND(100)	400	ND(100)	**3,400**	400	**23,300**	ND	ND(100)
	11/4/2013	157	**532**	ND(100)	ND	ND	ND(100)	ND	ND	ND	--	ND	ND	ND(100)	ND	ND	ND(200)	ND(100)	116	ND(100)	ND	ND(2,500)	ND(100)	ND(100)	308	ND(100)	**4,130**	400	**9,410**	ND	ND(100)
	6/10/2014	200	**200**	ND(100)	ND	ND	ND(100)	ND	ND	ND	--	ND	ND	ND(100)	ND	ND	ND(200)	ND(100)	ND(100)	ND(100)	ND	ND(2,500)	ND(100)	ND(100)	200	ND(100)	**1,500**	300	**3,600**	ND	ND(100)
	8/19/2014	200	**200**	ND(100)	ND	ND	ND(100)	ND	ND	ND	--	ND	ND	ND(100)	ND	ND	ND(200)	ND(100)	ND(100)	ND(100)	ND	ND(2,500)	ND(100)	ND(100)	200	ND(100)	**1,800**	ND(300)	**4,000**	ND	ND(100)
	11/10/2014	**400**	**300**	ND(100)	ND	ND	ND(100)	ND	ND	ND	--	ND	ND	ND(100)	ND	ND	ND(200)	ND(100)	200	ND(100)	ND	ND(2,500)	ND(100)	ND(100)	300	ND(100)	**2,900**	600	**9,700**	ND	ND(100)
	6/15/2015	50	**100**	ND(1)	6	4	ND(1)	2	ND	3	--	ND	ND	1	10	1	100	ND(1)	70	ND(1)	5	ND(20)	ND(1)	ND(1)	100	ND(1)	**500**	300	**400**	1	20
	8/24/2015	50	**200**	2	5	4	ND(1)	1	ND	3	--	ND	ND	1	1	1	ND(2)	ND(1)	80	ND(1)	4	ND(20)	ND(1)	ND(1)	100	ND(1)	**1,000**	ND(300)	**400**	ND	20
	11/17/2015	69	**574**	1.3	8.1	6.1	ND(1)	1.8	ND(1)	3.6	--	ND(25)	ND(25)	1.8	ND(1)	2.4	156	ND(1)	119	ND(1)	6.5	ND(25)	ND(1)	ND(1)	320	ND(1)	**3,130**	450	**1,180**	1.2	44.6
	6/21/2016	60	**100**	1	5	4	ND(1)	1	ND(1)	3	--	ND(20)	ND(20)	1	ND(1)	1	100	ND(1)	70	ND(1)	5	ND(20)	ND(1)	ND(1)	100	ND(1)	**1,000**	200	**700**	1	10
	11/11/2016	100	**200**	2	8	6	ND(1)	2	ND(1)	3	--	ND(20)	ND(20)	1	10.1	2	80.5	ND(1)	90	ND(1)	6	ND(20)	ND(1)	ND(1)	200	ND(1)	**2,000**	400	**1,300**	2	20
	6/14/2017	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(25)	ND(25)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)
	11/20/2017	154	**86**	**9.5**	6.6	5.4	ND(1)	1.5	ND(1)	2.6	--	ND(25)	ND(25)	ND(1)	ND(1)	1.3	13.6	ND(1)	98.9	ND(1)	4.4	ND(25)	ND(1)	ND(1)	100	4	**1,590**	221	**3,630**	1.1	41.1
	6/26/2018	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(130)	ND(10)	ND(10)	ND(0.5)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	ND(10)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	0.82	ND(2)	ND(1)
	11/13/2018	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(250)	ND(5)	ND(5)	ND(0.5)	ND(5)	ND(0.5)	ND(1)	ND(0.75)	ND(0.5)	ND(1)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.75)
	6/25/2019	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(250)	ND(5)	ND(5)	ND(0.5)	ND(5)	ND(0.5)	ND(1)	ND(0.75)	ND(0.5)	ND(1)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.75)
	8/8/2019	--	--	--	--	--	--	--	--	--	ND(0.139)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/12/2019	47	ND(10)	ND(5)	ND(25)	ND(25)	ND(5)	ND(25)	ND(25)	ND(25)	ND(2,500)	ND(50)	ND(50)	ND(5)	ND(50)	ND(5)	ND(10)	ND(7.5)	ND(5)	ND(10)	ND(25)	ND(100)	ND(20)	ND(5)	ND(7.5)	ND(5)	**450**	ND(10)	**880**	ND(5)	ND(7.5)
GZ-5R	8/5/2019	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(250)	ND(5)	ND(5)	ND(0.5)	ND(5)	ND(0.5)	ND(1)	ND(0.75)	ND(0.5)	ND(1)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.75)
GZ-618U	8/6/2019	7.2	1.4	ND(0.5)	ND(2.5)	13	ND(0.5)	ND(2.5)	ND(2.5)	9.9	ND(250)	ND(5)	ND(5)	0.64	ND(5)	5.6	ND(1)	ND(0.75)	33	ND(1)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	0.82	**7.5**	15	**110**	ND(0.5)	1.7
MW19-05U	8/6/2019	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(250)	ND(5)	ND(5)	ND(0.5)	ND(5)	ND(0.5)	ND(1)	ND(0.75)	ND(0.5)	ND(1)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.75)
UW19-03U	8/7/2019	1.7	2	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(250)	ND(5)	ND(5)	ND(0.5)	ND(5)	ND(0.5)	ND(1)	ND(0.75)	ND(0.5)	5.4	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	1	**16**	ND(1)	46	ND(0.5)	ND(0.75)
AOI #4 - Undeveloped Upland Area																															
GZ-407U	8/7/2019	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(250)	ND(5)	ND(5)	ND(0.5)	ND(5)	ND(0.5)	ND(1)	ND(0.75)	ND(0.5)	9.5	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.75)
GZ-501U	8/9/2019	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(250)	ND(5)	ND(5)	ND(0.5)	ND(5)	ND(0.5)	ND(1)	ND(0.75)	ND(0.5)	ND(1)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.75)
MW19-03U	8/5/2019	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(250)	ND(5)	ND(5)	ND(0.5)	ND(5)	ND(0.5)	ND(1)	ND(0.75)	ND(0.5)	ND(1)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.75)
MW19-04U	8/6/2019	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(250)	ND(5)	ND(5)	ND(0.5)	ND(5)	ND(0.5)	ND(1)	ND(0.75)	ND(0.5)	ND(1)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.75)
AOI #5 - Wetland and River Area																															
GZ-4U	8/5/2019	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(250)	ND(5)	ND(5)	ND(0.5)	ND(5)	ND(0.5)	ND(1)	ND(0.75)	ND(0.5)	ND(1)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.75)
GZ-403U	8/1/2010	ND(2)	ND(2)	ND(1)	ND	ND	ND(2)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(5)	ND(2)	ND(1)	**36**	ND	**60**	ND(5)	ND(2)	ND(1)	**9**	ND(2)	ND(1)	21	ND	ND(2)
	11/1/2010	ND(2)	ND(2)	ND(1)	ND	ND	ND(2)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(5)	ND(2)	ND(1)	ND(5)	ND	ND(30)	ND(5)	ND(2)	ND(1)	**12**	ND(2)	ND(1)	27	ND	ND(2)
	8/1/2011	ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(1)	ND(1)	ND(1)	1.9	ND	ND(25)	ND(2)	ND(1)	ND(1)	**5.4**	ND(1)	ND(1.5)	11	ND	ND(1)
	11/12/2011	ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(1)	ND(1)	ND(1)	13	ND	**57**	ND(2)	ND(1)	ND(1)	4.6	ND(1)	ND(1.5)	8.5	ND	ND(1)
	6/1/2012	ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(1)	ND(1)	ND(1)	2.9	ND	ND(25)	ND(2)	ND(1)	ND(1)	**6.2**	ND(1)	ND(3)	16.7	ND	ND(1)
	8/12/2012	ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(2)	ND(1)	ND(1)	8.2	ND	33.1	ND(1)	ND(1)	ND(1)	4.8	ND(1)	ND(1)	12.6	ND	ND(1)
	11/1/2012	ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(2)	ND(1)	ND(1)	1.9	ND	ND(25)	1.9	ND(1)	ND(1)	**11.1**	ND(1)	ND(1)	29	ND	ND(1)
	8/26/2013	ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	2	ND(1)	ND(1)	10	ND	**50**	ND(1)	ND(1)	ND(1)	**7.0**	ND(1)	ND(3)	20	ND	ND(1)
	11/4/2013	ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(2)	ND(1)	ND(1)	4.7	ND	ND(25)	ND(1)	ND(1)	ND(1)	**5.8**	ND(1)	ND(2)	18.2	ND	ND(1)
	6/10/2014	ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(2)	ND(1)	ND(1)	2	ND	ND(20)	ND(1)	ND(1)	ND(1)	**6**	ND(1)	ND(3)	20	ND	ND(1)
	8/19/2014	ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(2)	ND(1)	ND(1)	2	ND	ND(20)	ND(1)	ND(1)	ND(1)	**6**	ND(1)	ND(3)	10	ND	ND(1)
	11/10/2014	ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(2)	ND(1)	ND(1)	1	ND	ND(20)	ND(1)	ND(1)	ND(1)	**9**	ND(1)	ND(3)	20	ND	ND(1)
	6/15/2015	ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(2)	ND(1)	ND(1)	2	ND	ND(20)	ND(1)	ND(1)	ND(1)	**8**	ND(1)	ND(3)	20	ND	ND(1)
	8/24/2015	ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(2)	ND(1)	ND(1)	4	ND	ND(20)	ND(1)	ND(1)	ND(1)	5	ND(1)	ND(3)	9	ND	ND(1)
	11/17/2015	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(25)	ND(25)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	1.2	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	**10.9**	ND(1)	ND(2)	22.2	ND(1)	ND(1)
	11/11/2016	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(20)	ND(20)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	**6**	ND(1)	ND(3)	20	ND(1)	ND(1)
	11/20/2017	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(25)	ND(25)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	1.5	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	**6.1**	ND(1)	ND(2)	16.9	ND(1)	ND(1)
	11/14/2018	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(250)	ND(5)	ND(5)	ND(0.5)	ND(5)	ND(0.5)	ND(1)	ND(0.75)	ND(0.5)	3.1	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	**6**	ND(1)	ND(1)	10	ND(0.5)	ND(0.75)
	11/12/2019	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(250)	ND(5)	ND(5)	ND(0.5)	ND(5)	ND(0.5)	ND(1)	ND(0.75)	ND(0.5)	2.3	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	**5.6**	ND(1)	ND(1)	8.9	ND(0.5)	ND(0.75)

TABLE 5A
SUMMARY OF GROUNDWATER VOC ANALYTICAL DATA - UPPER HYDROGEOLOGIC UNIT
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Well ID	Sample Date	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichlorobenzene	1,2-Dichloroethane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane	2-Butanone (MEK)	Acetone	Benzene	Carbon disulfide	Chlorobenzene	Chloroethane	Chloroform	Ethylbenzene	Methyl tert butyl ether (MTBE)	Naphthalene	tert-Butyl Alcohol (TBA)	Tert-Amyl Methyl Ether (TAME	Tetrachloroethene	Toluene	Trichloroethene	Vinyl chloride	Xylenes (total)	cis-1,2-Dichloroethene	n-Propylbenzene	trans-1,2-Dichloroethene
NH AGQS		200	81	7	330	600	5	330	600	75	0.32	4,000	6,000	5	70	100	NS	70	700	13	100	40	140	5	1,000	5	2	10,000	70	260	100
GZ-404U	8/1/2010	ND(5)	29	ND(5)	ND	ND	ND(5)	ND	ND	ND	0.002	ND	ND	ND(5)	ND	ND	ND(30)	ND(5)	ND(5)	**730**	ND	ND(200)	ND(30)	ND(5)	ND(5)	ND(5)	ND(10)	ND(5)	ND(5)	ND	ND(5)
	11/1/2010	ND(5)	27	ND(5)	ND	ND	ND(5)	ND	ND	ND	--	ND	ND	ND(5)	ND	ND	ND(30)	ND(5)	ND(5)	**770**	ND	ND(200)	ND(30)	ND(5)	ND(5)	ND(5)	ND(10)	ND(5)	ND(5)	ND	ND(5)
	8/1/2011	ND(2.5)	14	ND(2.5)	ND	ND	ND(2.5)	ND	ND	ND	--	ND	ND	ND(2.5)	ND	ND	ND(2.5)	ND(2.5)	ND(2.5)	**460**	ND	ND(63)	6.4	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(3.8)	ND(2.5)	ND	ND(2.5)
	11/12/2011	ND(2.5)	17	ND(1)	ND	ND	ND(2.5)	ND	ND	ND	--	ND	ND	ND(2.5)	ND	ND	5.1	ND(2.5)	ND(2.5)	**430**	ND	**99**	7	ND(2.5)	ND(2.5)	ND(2.5)	**4.8**	ND(3.8)	4	ND	ND(2.5)
	6/1/2012	ND(5)	17.2	ND(5)	ND	ND	ND(5)	ND	ND	ND	--	ND	ND	ND(5)	ND	ND	ND(5)	ND(5)	ND(5)	**274**	ND	**200**	ND(10)	ND(5)	ND(5)	ND(5)	**7.8**	ND(15)	ND(5)	ND	ND(5)
	8/12/2012	ND(1)	14.7	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	2.2	ND(1)	ND(1)	**360**	ND	29	3.8	ND(1)	ND(1)	ND(1)	**5.3**	ND(1)	3.4	ND	1.4
	11/1/2012	ND(1)	14.1	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(2)	ND(1)	ND(1)	**397**	ND	**60.9**	4.6	ND(1)	ND(1)	ND(1)	1.6	ND(1)	1.6	ND	1.6
	8/26/2013	ND(1)	10	ND(1)	ND	ND	**10**	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	2.0	ND(1)	ND(1)	**200**	ND	**100**	2	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND	ND(1)
	11/4/2013	ND(1)	10.2	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(2)	ND(1)	ND(1)	**126**	ND	**95.4**	1.4	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND	ND(1)
	6/10/2014	ND(1)	10	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(2)	ND(1)	ND(1)	**90**	ND	**80**	1	ND(1)	ND(1)	ND(1)	2	ND(3)	1	ND	ND(1)
	8/19/2014	ND(1)	8	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(2)	ND(1)	ND(1)	**70**	ND	**100**	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	1	ND	ND(1)
	11/10/2014	ND(1)	6	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(2)	ND(1)	ND(1)	**50**	ND	**90**	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND	ND(1)
	6/15/2015	ND(1)	6	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(2)	ND(1)	ND(1)	**40**	ND	**90**	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND	ND(1)
	8/24/2015	ND(1)	5	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(2)	ND(1)	ND(1)	**40**	ND	**90**	ND(1)	ND(1)	ND(1)	1	1	ND(3)	ND(1)	ND	ND(1)
	11/17/2015	ND(1)	7	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(25)	ND(25)	ND(1)	1.3	ND(1)	ND(2)	ND(1)	ND(1)	**52.8**	ND(1)	**150**	ND(1)	ND(1)	ND(1)	ND(1)	1.4	ND(2)	ND(1)	ND(1)	ND(1)
	6/21/2016	--	--	--	--	--	--	--	--	--	**1.2**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/11/2016	ND(1)	4	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(2)0	ND(2)0	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	**20.2**	ND(1)	**100**	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(3)	ND(1)	ND(1)	ND(1)
	6/13/2017	--	--	--	--	--	--	--	--	--	**0.69**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/20/2017	ND(1)	4.4	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(25)	ND(25)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	9.3	ND(1)	**124**	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)
	6/26/2018	--	--	--	--	--	--	--	--	--	**0.79**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/14/2018	ND(0.5)	8.2	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(250)	ND(5)	ND(5)	ND(0.5)	ND(5)	ND(0.5)	ND(1)	ND(0.75)	ND(0.5)	**36**	ND(2.5)	**240**	ND(2)	ND(0.5)	ND(0.75)	0.8	**43**	ND(1)	27	ND(0.5)	1.2
	6/26/2019	--	--	--	--	--	--	--	--	--	**0.863**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/14/2019	ND(0.5)	16	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(250)	ND(5)	ND(5)	ND(0.5)	ND(5)	ND(0.5)	ND(1)	ND(0.75)	0.69	**52**	ND(2.5)	**62**	ND(2)	ND(0.5)	ND(0.75)	1	**170**	ND(1)	**93**	ND(0.5)	2.1
GZ-410	8/6/2019	ND(0.5)	2.7	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(250)	ND(5)	ND(5)	ND(0.5)	ND(5)	ND(0.5)	2.6	ND(0.75)	ND(0.5)	1.9	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	4.1	ND(1)	ND(1)	61	ND(0.5)	ND(0.75)
GZ-701U	6/10/2014	ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(2)	ND(1)	ND(1)	3	ND	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND	ND(1)
	11/10/2014	ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	2	ND	ND(2)	ND(1)	ND(1)	1	ND	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND	ND(1)
	11/17/2015	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(25)	ND(25)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	6.6	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)
	11/11/2016	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(20)	ND(20)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	3	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(1)	ND(1)
	11/20/2017	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(25)	ND(25)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	3.7	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)
	11/14/2018	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(250)	ND(5)	ND(5)	ND(0.5)	ND(5)	ND(0.5)	ND(1)	ND(0.75)	ND(0.5)	**37**	ND(2.5)	32	ND(2)	ND(0.5)	ND(0.75)	0.75	ND(1)	ND(1)	1.1	ND(0.5)	ND(0.75)
	11/12/2019	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(250)	ND(5)	ND(5)	ND(0.5)	ND(5)	ND(0.5)	ND(1)	ND(0.75)	ND(0.5)	ND(1)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.75)
MW-1S	8/1/2010	ND(2)	2.0	ND(1)	ND	ND	ND(2)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(5)	ND(2)	ND(1)	ND	ND	ND	ND	ND(2)	ND(1)	3	ND(2)	ND(1)	10	ND	ND(2)
	11/1/2010	ND(2)	ND(2)	ND(1)	ND	ND	ND(2)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(5)	ND(2)	ND(1)	ND	ND	ND	ND	ND(2)	ND(1)	ND(2)	2	ND(1)	5	ND	ND(2)
	8/1/2011	ND(1)	2.9	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(1)	ND(1)	ND(1)	ND	ND	ND	ND	ND(1)	ND(1)	**12**	**4.4**	ND(1.5)	58	ND	1
	6/1/2012	ND(1)	4.2	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(1)	ND(1)	ND(1)	ND	ND	ND	ND	ND(1)	ND(1)	**5.2**	**4.2**	ND(3)	38.4	ND	ND(1)
	8/12/2012	ND(1)	2.7	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND	ND	ND(1)	ND(1)	**8.7**	**3**	ND(1)	52.2	ND	ND(1)
	11/1/2012	ND(1)	3.7	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND	ND	ND(1)	ND(1)	**12.5**	**11.6**	ND(1)	**797**	ND	1.4
	8/26/2013	ND(1)	4	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND	ND	ND(1)	ND(1)	ND(1)	**3**	ND(3)	30	ND	ND(1)
	11/4/2013	ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND	ND	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	5.5	ND	ND(1)
	6/10/2014	ND(1)	7	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	5	2	ND(1)	ND	ND	ND	ND	ND(1)	ND(1)	ND(1)	**30**	ND(3)	**80**	ND	1
	8/19/2014	ND(1)	3	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND	ND	ND(1)	ND(1)	**9**	**6**	ND(3)	50	ND	ND(1)
	11/10/2014	ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND	ND	ND(1)	ND(1)	1	ND(1)	ND(3)	5	ND	ND(1)
	6/15/2015	ND(1)	ND(10)	ND(10)	ND	ND	ND(10)	ND	ND	ND	--	ND	ND	ND(10)	ND	ND	ND(20)	ND(10)	ND(10)	ND	ND	ND	ND	ND(10)	ND(10)	ND(10)	**20**	ND(30)	**90**	ND	ND(10)
	8/24/2015	ND(1)	10	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(10)	ND	ND	ND(20)	ND(1)	ND(1)	ND	ND	ND	ND	ND(10)	ND(10)	**20**	**20**	ND(30)	**200**	ND	2
	11/17/2015	ND(1)	1.1	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(25)	ND(25)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	1.1	**2.4**	ND(2)	5	ND(1)	ND(1)
	11/11/2016	ND(1)	5	1	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(20)	ND(20)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	**10**	**20**	ND(3)	**200**	ND(1)	1
	11/17/2017	ND(1)	1.4	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(25)	ND(25)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	1.4	ND(1)	ND(1)
	12/20/2018	ND(0.5)	4.1	1.1	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(250)	ND(5)	ND(5)	ND(0.5)	ND(5)	ND(0.5)	ND(1)	ND(0.75)	ND(0.5)	ND(1)	ND(2.5)	ND(10)	ND(2)	0.58	ND(0.75)	**27**	**18**	ND(1)	**120**	ND(0.5)	1.5
	11/14/2019	ND(0.5)	3.2	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(250)	ND(5)	ND(5)	ND(0.5)	ND(5)	ND(0.5)	ND(1)	ND(0.75)	ND(0.5)	ND(1)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	1.7	**3.8**	ND(1)	8.2	ND(0.5)	ND(0.75)
GZ-901U	6/10/2014	10	3	6	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND	ND	2	ND(1)	**600**	**5**	ND(3)	**200**	ND	1
	11/10/2014	10	4	6	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND	ND	1	ND(1)	**700**	**8**	ND(3)	**400**	ND	2
	11/17/2015	7.2	3.4	4.9	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(25)	ND(25)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	**524**	**5.4**	ND(2)	**289**	ND(1)	1.7
	11/11/2016	4	3	4	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(20)	ND(20)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	**400**	**4**	ND(3)	**200**	ND(1)	1
	11/21/2017	2.7	2.7	3.1	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(25)	ND(25)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	**247**	**5.1**	ND(2)	**234**	ND(1)	1.6
	11/15/2018	2.4	3.3	2.5	ND(6.2)	ND(6.2)	ND(1.2)	ND(6.2)	ND(6.2)	ND(6.2)	ND(620)	ND(12)	ND(12)	ND(1.2)	ND(12)	ND(1.2)	ND(2.5)	ND(1.9)	ND(1.2)	ND(2.5)	ND(6.2)	ND(25)	ND(5)	ND(1.2)	ND(1.9)	**160**	**3.4**	ND(2.5)	**280**	ND(1.2)	3.3
	11/15/2019	2.8	3.4	3	ND(5)	ND(5)	ND(1)	ND(5)	ND(5)	ND(5)	ND(500)	ND(10)	ND(10)	ND(1)	ND(10)	ND(1)	ND(2)	ND(1.5)	ND(1)	ND(2)	ND(5)	ND(20)	ND(4)	ND(1)	ND(1.5)	**270**	**5.5**	ND(2)	**190**	ND(1)	2
GZ-902U	6/10/2014	ND(100)	ND(100)	ND(100)	ND	ND	ND(100)	ND	ND	ND	--	ND	ND	ND(100)	ND	ND	ND(200)	ND(100)	ND(100)	ND	ND	ND	ND	ND(100)	ND(100)	**400**	ND(100)	ND(300)	**3,500**	ND	ND(100)
	11/10/2014	20	60	**40**	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	4.0	ND	ND	6.0	ND(1)	ND(1)	ND	ND	ND	ND	ND(1)	ND(1)	**300**	**200**	ND(3)	**6,300**	ND	50
	11/17/2015	5.4	59	**34.2**	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(25)	ND(25)	2.9	ND(1)	ND(1)	4.8	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	**81.5**	**149**	ND(2)	**4,570**	ND(1)	33.5
	11/11/2016	1.0	30	**20**	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(20)	ND(20)	1	ND(1)	ND(1)	2	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	**60**	**50**	ND(3)	**2,100**	ND(1)	20
	11/21/2017	ND(1)	14.2	**9.7**	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(25)	ND(25)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	**25.9**	**31.3**	ND(2)	**1,090**	ND(1)	11.6
	11/14/2018	ND(2.5)	7.1	4.6	ND(12)	ND(12)	ND(2.5)	ND(12)	ND(12)	ND(12)	ND(1,200)	ND(25)	ND(25)	ND(2.5)	ND(25)	ND(2.5)	ND(5)	ND(3.8)	ND(2.5)	ND(5)	ND(12)	ND(50)	ND(10)	ND(2.5)	ND(3.8)	**5.8**	**13**	ND(5)	**770**	ND(2.5)	7.1
	11/15/2019	ND(2.5)	9	6.3	ND(12)	ND(12)	ND(2.5)	ND(12)	ND(12)	ND(12)	ND(1,200)	ND(25)	ND(25)	ND(2.5)	ND(25)	ND(2.5)	ND(5)	ND(3.8)	ND(2.5)	ND(5)	ND(12)	ND(25)	ND(10)	ND(2.5)	ND(3.8)	**49**	**16**	ND(5)	**660**	ND(2.5)	5.9

TABLE 5A
SUMMARY OF GROUNDWATER VOC ANALYTICAL DATA - UPPER HYDROGEOLOGIC UNIT
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Well ID	Sample Date	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichlorobenzene	1,2-Dichloroethane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane	2-Buttanone (MEK)	Acetone	Benzene	Carbon disulfide	Chlorobenzene	Chloroethane	Chloroform	Ethylbenzene	Methyl tert butyl ether (MTBE)	Naphthalene	tert-Butyl Alcohol (TBA)	Tert-Amyl Methyl Ether (TAME	Tetrachloroethene	Toluene	Trichloroethene	Vinyl chloride	Xylenes (total)	cis-1,2-Dichloroethene	n-Propylbenzene	trans-1,2-Dichloroethene
NH AGQS		200	81	7	330	600	5	330	600	75	0.32	4,000	6,000	5	70	100	NS	70	700	13	100	40	140	5	1,000	5	2	10,000	70	260	100
UW19-01U	8/5/2019	38	48	**18**	ND(62)	ND(62)	ND(12)	ND(62)	ND(62)	ND(62)	ND(6,200)	ND(120)	ND(120)	ND(12)	ND(120)	ND(12)	ND(25)	ND(19)	ND(12)	ND(25)	ND(62)	ND(250)	ND(50)	ND(12)	ND(19)	**440**	**79**	ND(25)	**3,200**	ND(12)	ND(19)
PZ19-2	8/7/2019	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(250)	ND(5)	38	ND(0.5)	ND(5)	ND(0.5)	ND(1)	ND(0.75)	ND(0.5)	ND(1)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	4.7	ND(0.5)	ND(0.5)	ND(0.75)
PZ19-6	8/7/2019	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(250)	9.6	31	ND(0.5)	ND(5)	ND(0.5)	ND(1)	ND(0.75)	ND(0.5)	ND(1)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	4.5	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.75)
PZ19-7	8/7/2019	ND(0.5)	24	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(250)	ND(5)	ND(5)	2.1	ND(5)	ND(0.5)	22	ND(0.75)	ND(0.5)	7.4	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	0.77	**240**	ND(1)	**110**	ND(0.5)	1
AOI #6 - Upgradient Area																															
GZ-1U	8/5/2019	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(250)	ND(5)	ND(5)	ND(0.5)	ND(5)	ND(0.5)	ND(1)	ND(0.75)	ND(0.5)	ND(1)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.75)
GZ-6	8/5/2019	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(250)	ND(5)	ND(5)	ND(0.5)	ND(5)	ND(0.5)	ND(1)	ND(0.75)	ND(0.5)	ND(1)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.75)
AOI #7 - Downgradient Area																															
GZ-10U	6/10/2014	ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(1)	ND(1)	ND(1)	ND	ND	ND	ND	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND	ND(1)
	8/19/2014	ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND	ND	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND	ND(1)
	11/10/2014	ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND	ND	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND	ND(1)
	11/17/2015	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(25)	ND(25)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(2,000)	ND(1)	ND(1)	ND(1)
	6/21/2016	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(20)	ND(20)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(1)	ND(1)
	11/11/2016	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(20)	ND(20)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(1)	ND(1)
	6/16/2017	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(25)	ND(25)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)
	11/21/2017	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(25)	ND(25)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)
	6/26/2018	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(130)	ND(10)	ND(10)	ND(0.5)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	ND(10)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)
GZ-10UR	6/27/2019	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(250)	ND(5)	ND(5)	ND(0.5)	ND(5)	ND(0.5)	ND(1)	ND(0.75)	ND(0.5)	ND(1)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.75)
	11/11/2019	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(250)	ND(5)	ND(5)	ND(0.5)	ND(5)	ND(0.5)	ND(1)	ND(0.75)	ND(0.5)	ND(1)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.75)
GZ-903U	11/10/2014	ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND	ND	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND	ND(1)
	6/15/2015	ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND	ND	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND	ND(1)
	11/17/2015	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(25)	ND(25)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)
	6/21/2016	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(20)	ND(20)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(1)	ND(1)
	11/11/2016	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(20)	ND(20)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(1)	ND(1)
	6/14/2017	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(25)	ND(25)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)
	11/21/2017	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(25)	ND(25)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)
	6/26/2018	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(130)	ND(10)	ND(10)	ND(0.5)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	ND(10)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)
	12/20/2018	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(250)	ND(5)	ND(5)	ND(0.5)	ND(5)	ND(0.5)	ND(1)	ND(0.75)	ND(0.5)	ND(1)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.75)
	6/26/2019	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(250)	ND(5)	ND(5)	ND(0.5)	ND(5)	ND(0.5)	ND(1)	ND(0.75)	ND(0.5)	ND(1)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.75)
	11/11/2019	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(250)	ND(5)	ND(5)	ND(0.5)	ND(5)	ND(0.5)	ND(1)	ND(0.75)	ND(0.5)	ND(1)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.75)
GZ-904U	11/10/2014	ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND	ND	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND	ND(1)
	6/15/2015	ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND	ND	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND	ND(1)
	11/17/2015	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(25)	ND(25)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)
	6/21/2016	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(20)	ND(20)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(1)	ND(1)
	11/11/2016	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(20)	ND(20)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(1)	ND(1)
	6/14/2017	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(25)	ND(25)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)
	11/21/2017	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(25)	ND(25)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)
	6/26/2018	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(130)	ND(10)	ND(10)	ND(0.5)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	ND(10)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)
	11/15/2018	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(250)	ND(5)	ND(5)	ND(0.5)	ND(5)	ND(0.5)	ND(1)	ND(0.75)	ND(0.5)	ND(1)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.75)
	6/26/2019	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(250)	ND(5)	ND(5)	ND(0.5)	ND(5)	ND(0.5)	ND(1)	ND(0.75)	ND(0.5)	ND(1)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.75)
	11/11/2019	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(250)	ND(5)	ND(5)	ND(0.5)	ND(5)	ND(0.5)	ND(1)	ND(0.75)	ND(0.5)	ND(1)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.75)
GZ-905U	11/10/2014	ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND	ND	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND	ND(1)
	6/15/2015	ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	ND	--	ND	ND	ND(1)	ND	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND	ND	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND	ND(1)
	11/17/2015	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(25)	ND(25)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)
	6/21/2016	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(20)	ND(20)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(1)	ND(1)
	11/11/2016	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(20)	ND(20)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(1)	ND(1)
	6/14/2017	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(25)	ND(25)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)
	11/21/2017	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(25)	ND(25)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)
	6/26/2018	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(130)	ND(10)	ND(10)	ND(0.5)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	ND(10)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)
	11/15/2018	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(250)	ND(5)	ND(5)	ND(0.5)	ND(5)	ND(0.5)	ND(1)	ND(0.75)	ND(0.5)	ND(1)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.75)
	6/26/2019	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(250)	ND(5)	ND(5)	ND(0.5)	ND(5)	ND(0.5)	ND(1)	ND(0.75)	ND(0.5)	ND(1)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.75)
	11/11/2019	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(250)	ND(5)	ND(5)	ND(0.5)	ND(5)	ND(0.5)	ND(1)	ND(0.75)	ND(0.5)	ND(1)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.75)

Notes:
1. Only detected compounds are shown.
2. Results are reported in micrograms per liter (µg/L).
3 ND indicates the constiuent was not detected above the laboratory reporting limit, shown.
4. **BOLD** concentrations exceed the applicable New Hampshire Department of Environmental Services (NHDES) Ambient Groundwater Quality Standard (AGQS).
5. NS = no standard; -- indicates a parameter was not analyzed or data are not available.
6. "E" indicates a constituent was detected above the calibration range and reported as as estimated value.
7. 1,4-Dioxane reported using USEPA Method 8270 with selected-ion monitoring (SIM), if analyzed.
8. DUP indicates a duplicate sample.

TABLE 5B
SUMMARY OF GROUNDWATER VOC ANALYTICAL DATA - LOWER HYDROGEOLOGIC UNIT
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Well ID	Sample Date	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichlorobenzene	1,2-Dichloroethane	1,3,5-Trimethylbenzene	1,4-Dichlorobenzene	1,4-Dioxane	Benzene	Carbon disulfide	Chloroethane	Chloroform	Ethylbenzene	Isopropylbenzene	Methyl tert butyl ether (MTBE)	Methylene Chloride	Naphthalene	tert-Butyl Alcohol (TBA)	Tert-Amyl Methyl Ether (TAME)	Tetrachloroethene	Toluene	Trichloroethene	Vinyl chloride	Total Xylenes	cis-1,2-Dichloroethene	n-Propylbenzene	trans-1,2-Dichloroethene
NHDES AGQS		70	200	81	7	330	600	5	330	75	0.32	5	70	NS	70	700	800	13	5	100	40	140	5	1,000	5	2	10,000	70	260	100
AOI #1 - Former WWTF Area																														
GZ-9L	8/1/2010		100	50	**20**	ND	ND	ND(20)	ND	ND	--	ND(20)	ND	ND(100)	ND(20)	ND(20)	ND	ND	ND(100)	ND	ND	ND	ND(20)	ND(20)	**1,600**	**280**	ND(20)	**2,900**	ND	30
	11/1/2010		130	80	ND(50)	ND	ND	ND(50)	ND	ND	--	ND(50)	ND	ND(300)	ND(50)	ND(50)	ND	ND	ND(300)	ND	ND	ND	ND(50)	ND(50)	**1,700**	**700**	ND(50)	**4,600**	ND	ND(50)
	8/1/2011		130	61	**29**	ND	ND	ND(25)	ND	ND	--	ND(25)	ND	30	ND(25)	ND(25)	ND	ND	ND(50)	ND	ND	ND	ND(25)	ND(25)	**1,500**	**280**	ND(37.5)	**3,300**	ND	ND(25)
	11/12/2011		110	50	**29**	ND	ND	ND(25)	ND	ND	--	ND(25)	ND	ND(25)	ND(25)	ND(25)	ND	ND	ND(50)	ND	ND	ND	ND(25)	ND(25)	**1,400**	**250**	ND(37.5)	**2,800**	ND	ND(25)
	6/1/2012		138	66	ND(50)	ND	ND	ND(50)	ND	ND	--	ND(50)	ND	ND(50)	ND(50)	ND(50)	ND	ND	ND(100)	ND	ND	ND	ND(50)	ND(50)	**1,700**	**311**	ND(150)	**3,740**	ND	ND(50)
	8/1/2012		56	72.7	**34**	ND	ND	ND(1)	ND	ND	--	3.4	ND	13.7	ND(1)	ND(1)	ND	ND	ND(4)	ND	ND	ND	**5.4**	ND(1)	**646**	**154**	1.4	**2,200**	ND	31.6
	11/1/2012		110	**154**	ND(100)	ND	ND	ND(100)	ND	ND	--	ND(100)	ND	ND(200)	ND(100)	ND(100)	ND	ND	ND(400)	ND	ND	ND	ND(100)	ND(100)	**643**	ND(100)	ND(0.1)	**8,140**	ND	ND(100)
	8/26/2013		200	**100**	**40**	ND	ND	1.0	ND	ND	--	5	ND	30	ND(1)	ND(1)	ND	ND	ND(4)	ND	ND	ND	5	ND(1)	**1,400**	**700**	ND(3)	**6,800**	ND	80
	11/4/2013		158	**183**	ND(100)	ND	ND	ND(100)	ND	ND	--	ND(100)	ND	ND(200)	ND(100)	ND(100)	ND	ND	ND(400)	ND	ND	ND	ND(100)	ND(100)	**794**	**1,400**	ND(200)	**9,940**	ND	ND(100)
	6/10/2014		200	**100**	ND(100)	ND	ND	ND(100)	ND	ND	--	ND(100)	ND	ND(200)	ND(100)	ND(100)	ND	ND	ND(400)	ND	ND	ND	ND(100)	ND(100)	**1,100**	**600**	ND(300)	**9,200**	ND	ND(100)
	8/19/2014		200	**100**	**50**	ND	ND	ND(1)	ND	ND	--	**6**	ND	40	ND(1)	ND(1)	ND	ND	ND(4)	ND	ND	ND	**6**	ND(1)	**1,200**	**800**	ND(3)	**9,300**	ND	**100**
	11/10/2014		200	**100**	ND(100)	ND	ND	ND(100)	ND	ND	--	ND(100)	ND	ND(200)	ND(100)	ND(100)	ND	ND	ND(400)	ND	ND	ND	ND(100)	ND(100)	**700**	**900**	ND(300)	**8,800**	ND	ND(100)
	6/15/2015		200	**100**	ND(100)	ND	ND	ND(100)	ND	ND	--	ND(100)	ND	ND(200)	ND(100)	ND(100)	ND	ND	ND(400)	ND	ND	ND	ND(100)	ND(100)	**1,200**	**900**	ND(300)	**8,400**	ND	ND(100)
	8/24/2015		300	**200**	ND(100)	ND	ND	ND(100)	ND	ND	--	ND(100)	ND	ND(200)	ND(100)	ND(100)	ND	ND	ND(1)	ND(400)	ND	ND(20)	ND(1)	ND(100)	ND(100)	**1,200**	**900**	ND(300)	**10,300**	ND	ND(100)
	11/17/2015		318	**224**	**58.4**	ND(1)	ND(1)	1.6	ND(1)	1.7	--	**7.4**	ND(1)	54.9	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(4)	ND(1)	ND(25)	ND(1)	**7.3**	ND(1)	**1,040**	**1,710**	ND(2)	**10,400**	ND(1)	**316 E**
	11/11/2016		200	**200**	**60.2**	ND(1)	ND(1)	1	ND(1)	2	--	**7**	ND(1)	60	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(4)	ND(1)	ND(20)	ND(1)	**6**	ND(1)	**700**	**1,300**	ND(3)	**8,900**	ND(1)	50
	11/17/2017		136	**129**	**45.1**	ND(1)	ND(1)	ND(1)	ND(1)	1.2	--	4.4	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(4)	ND(1)	ND(25)	ND(1)	4.4	ND(1)	**816**	**654**	ND(2)	**7,760**	ND(1)	30.9
	11/12/2018		79	62	**23**	ND(100)	ND(100)	ND(20)	ND(100)	ND(100)	ND(10,000)	ND(20)	ND(200)	ND(40)	ND(30)	ND(20)	ND(20)	ND(40)	ND(120)	ND(100)	ND(400)	ND(80)	ND(20)	ND(30)	**640**	**170**	ND(40)	**5,200**	ND(20)	ND(30)
	11/14/2019	ND(12)	58	35	**22**	ND(62)	ND(62)	ND(12)	ND(62)	ND(62)	ND(6,200)	ND(12)	ND(120)	ND(25)	ND(19)	ND(12)	ND(12)	ND(25)	ND(75)	ND(62)	ND(250)	ND(50)	ND(12)	ND(19)	**650**	**46**	ND(25)	**2,800**	ND(12)	ND(19)
GZ-201L	8/1/2010		20	ND(10)	ND(10)	ND	ND	ND(10)	ND	ND	--	ND(10)	ND	ND(50)	ND(10)	ND(10)	ND	ND	ND(50)	ND	ND	ND	ND(10)	ND(10)	**920**	ND(200)	ND(10)	**800**	ND	ND(10)
	11/1/2010		30	10	**10**	ND	ND	ND(10)	ND	ND	--	ND(10)	ND	ND(50)	ND(10)	ND(10)	ND	ND	ND(50)	ND	ND	ND	ND(10)	ND(10)	**1,400**	**30**	ND(10)	**1,200**	ND	ND(10)
	8/1/2011		32	20	**12**	ND	ND	ND(10)	ND	ND	--	ND(10)	ND	ND(10)	ND(10)	ND(10)	ND	ND	ND(20)	ND	ND	ND	ND(10)	ND(10)	**900**	**35**	ND(15)	**1,000**	ND	ND(10)
	11/12/2011		11	7.7	4.1	ND	ND	ND(25)	ND	ND	--	ND(2.5)	ND	ND(2.5)	ND(2.5)	ND(2.5)	ND	ND	ND(5)	ND	ND	ND	ND(25)	ND(2.5)	**320**	**14**	ND(38)	**310**	ND	ND(2.5)
	6/1/2012		17.8	18.4	ND(10)	ND	ND	ND(10)	ND	ND	--	ND(10)	ND	ND(10)	ND(10)	ND(10)	ND	ND	ND(20)	ND	ND	ND	ND(10)	ND(10)	**612**	**22.9**	ND(30)	**731**	ND	ND(10)
	8/1/2012		35.7	26.8	**12.1**	ND	ND	ND(1)	ND	ND	--	1.2	ND	4	ND(1)	ND(1)	ND	ND	ND(4)	ND	ND	ND	1.8	ND(1)	**774**	**39**	ND(1)	**1,160**	ND	6
	11/1/2012		ND(100)	ND(100)	ND(100)	ND	ND	ND(100)	ND	ND	--	ND(100)	ND	ND(200)	ND(100)	ND(100)	ND	ND	ND(400)	ND	ND	ND	ND(100)	ND(100)	**631**	ND(100)	ND(100)	**957**	ND	ND(100)
	8/26/2013		80	50	**20**	ND	ND	ND(1)	ND	ND	--	2	ND	7	ND(1)	ND(1)	ND	ND	ND(4)	ND	ND	ND	3	ND(1)	**1,000**	**100**	ND(3)	**2,500**	ND	10
	11/4/2013		84.9	53.2	**21.5**	ND	ND	ND(10)	ND	ND	--	ND(10)	ND	ND(20)	ND(10)	ND(10)	ND	ND	ND(40)	ND	ND	ND	ND(10)	ND(10)	**890**	**112**	ND(20)	**2,410**	ND	11.6
	6/10/2014		ND(100)	ND(100)	ND(100)	ND	ND	ND(100)	ND	ND	--	ND(100)	ND	ND(200)	ND(100)	ND(100)	ND	ND	ND(400)	ND	ND	ND	ND(100)	ND(100)	**600**	ND(100)	ND(300)	**1,800**	ND	ND(100)
	8/19/2014		70	60	**20**	ND	ND	ND(1)	ND	ND	--	2	ND	7	ND(1)	ND(1)	ND	ND	ND(4)	ND	ND	ND	3	ND(1)	**1,000**	**90**	ND(3)	**3,300**	ND	20
	11/10/2014		70	50	**20**	ND	ND	ND(1)	ND	ND	--	2	ND	8	ND(1)	ND(1)	ND	ND	ND(4)	ND	ND	ND	3	ND(1)	**1,100**	**90**	ND(3)	**3,100**	ND	10
	6/15/2015		80	50	**30**	ND	ND	ND(1)	ND	ND	--	2	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND(4)	ND	ND	ND	5	ND(1)	**1,200**	**80**	ND(3)	**3,600**	ND	10
	8/24/2015		100	ND(100)	ND(100)	ND	ND	ND(1)	ND	ND	--	ND(1)	ND	ND(2)	ND(1)	ND(1)	ND	ND(1)	ND(4)	ND	ND(20)	ND(1)	ND(100)	ND(1)	**1,600**	**100**	ND(3)	**5,300**	ND	ND(100)
	11/17/2015		115	61.4	**27.5**	ND(1)	ND(1)	1.2	ND(1)	ND(1)	--	2.6	ND(1)	8.9	ND(1)	ND(1)	ND(1)	ND(1)	ND(4)	ND(1)	ND(25)	ND(1)	5	ND(1)	**1,560**	**131**	ND(2)	**4,860**	ND(1)	17.1
	6/20/2016		90	70	**30**	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	3	ND(1)	10	ND(1)	ND(1)	ND(1)	ND(1)	ND(4)	ND(1)	ND(20)	ND(1)	5	ND(1)	**1,300**	**200**	ND(3)	**4,900**	ND(1)	20
	11/11/2016		100	70	**30**	ND(1)	ND(1)	1	ND(1)	ND(1)	--	4	ND(1)	10.3	ND(1)	ND(1)	ND(1)	ND(1)	ND(4)	ND(1)	ND(20)	ND(1)	5	ND(1)	**1,300**	**100**	ND(3)	**4,900**	ND(1)	70
	6/14/2017		80.4	50.9	**24.4**	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	2.2	ND(1)	6.1	ND(1)	ND(1)	ND(1)	ND(1)	ND(4)	ND(1)	ND(25)	ND(1)	4.1	ND(1)	**906**	**60.9**	ND(2)	**3,300**	ND(1)	17.4
	11/20/2017		86.1	50.4	**23**	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	2.4	ND(1)	6.4	ND(1)	ND(1)	ND(1)	ND(1)	ND(4)	ND(1)	ND(25)	ND(1)	4.1	ND(1)	**885**	**66.4**	ND(2)	**3,320**	ND(1)	13.8
	6/26/2018		41.5	35.4	**15.6**	ND(20)	ND(10)	ND(10)	ND(20)	ND(10)	ND(1,300)	ND(5)	ND(20)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(20)	ND(50)	ND(100)	ND(20)	ND(10)	ND(10)	**752**	**18.3**	ND(10)	**2,750**	ND(20)	11.9
	11/13/2018		22	21	**11**	ND(25)	ND(25)	ND(5)	ND(25)	ND(25)	ND(2,500)	ND(5)	ND(50)	ND(10)	ND(7.5)	ND(5)	ND(5)	ND(10)	ND(30)	ND(25)	ND(100)	ND(20)	ND(5)	ND(7.5)	**460**	ND(10)	ND(10)	**1,500**	ND(5)	ND(7.5)
	6/27/2019	ND(5)	14	16	**8.5**	ND(25)	ND(25)	ND(5)	ND(25)	ND(25)	ND(2,500)	ND(5)	ND(50)	ND(10)	ND(7.5)	ND(5)	ND(5)	ND(10)	ND(30)	ND(25)	ND(100)	ND(20)	ND(5)	ND(7.5)	**430**	ND(10)	ND(10)	**1,300**	ND(5)	ND(7.5)
	11/15/2019	ND(2)	4.6	3.8	2.6	ND(10)	ND(10)	ND(2)	ND(10)	ND(10)	ND(1,000)	ND(2)	ND(20)	ND(4)	ND(3)	ND(2)	ND(2)	ND(4)	ND(12)	ND(10)	ND(40)	ND(8)	ND(2)	ND(3)	**140**	ND(4)	ND(4)	**350**	ND(2)	ND(3)
GZ-202L	8/1/2010		11	19	3	ND	ND	ND(2)	ND	ND	--	ND(2)	ND	ND(10)	ND(2)	ND(2)	ND	ND	ND(10)	ND	ND	ND	ND(2)	ND(2)	**200**	**110**	ND(2)	**310**	ND	4
	11/1/2010		10	10	2	ND	ND	ND(2)	ND	ND	--	ND(1)	ND	ND(5)	ND(2)	ND(1)	ND	ND	ND(5)	ND	ND	ND	ND(2)	ND(1)	**230**	**25**	ND(1)	**240**	ND	3
	8/1/2011		6.4	8.2	2	ND	ND	ND(1)	ND	ND	--	ND(1)	ND	ND(1)	ND(1)	ND(1)	ND	ND	ND(2)	ND	ND	ND	ND(1)	ND(1)	**140**	**14**	ND(1.5)	**150**	ND	1.8
	11/12/2011		8.8	11	1.8	ND	ND	ND(1)	ND	ND	--	ND(1)	ND	ND(1)	ND(1)	ND(1)	ND	ND	ND(2)	ND	ND	ND	ND(1)	ND(1)	**70**	**28**	ND(1.5)	**180**	ND	2.5
	6/1/2012		5.4	9.4	ND(2.5)	ND	ND	ND(2.5)	ND	ND	--	ND(2.5)	ND	ND(2.5)	ND(2.5)	ND(2.5)	ND	ND	ND(5)	ND	ND	ND	ND(2.5)	ND(2.5)	**154**	**20.3**	ND(7.5)	**182**	ND	2.5
	8/1/2012		8.9	9.7	1.7	ND	ND	ND(1)	ND	ND	--	ND(1)	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND(4)	ND	ND	ND	ND(1)	ND(1)	**123**	**14.6**	ND(1)	**210**	ND	2.4
	11/1/2012		2.2	3.8	ND(1)	ND	ND	ND(1)	ND	ND	--	ND(1)	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND(4)	ND	ND	ND	ND(1)	ND(1)	**73**	**3.1**	ND(1)	**80.9**	ND	1
	8/26/2013		2	7	2	ND	ND	ND(1)	ND	ND	--	ND(1)	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND(4)	ND	ND	ND	ND(1)	ND(1)	**200**	**9**	ND(3)	**100**	ND	2
	11/4/2013		1.4	3.8	ND(1)	ND	ND	ND(1)	ND	ND	--	ND(1)	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND(4)	ND	ND	ND	ND(1)	ND(1)	**52.8**	**3.6**	ND(2)	65.6	ND	ND(1)
	6/10/2014		9	6	1	ND	ND	ND(1)	ND	ND	--	ND(1)	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND(4)	ND	ND	ND	ND(1)	ND(1)	**60**	**8**	ND(3)	**200**	ND	2
	8/19/2014		ND(1)	2	ND(1)	ND	ND	ND(1)	ND	ND	--	ND(1)	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND(4)	ND	ND	ND	ND(1)	ND(1)	**70**	2	ND(3)	40	ND	ND(1)
	11/10/2014		ND(1)	1	ND(1)	ND	ND	ND(1)	ND	ND	--	ND(1)	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND(4)	ND	ND	ND	ND(1)	ND(1)	**50**	ND(1)	ND(3)	30	ND	ND(1)
	6/15/2015		ND(1)	1	ND(1)	ND	ND	ND(1)	ND	ND	--	ND(1)	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND(4)	ND	ND	ND	ND(1)	ND(1)	**50**	ND(1)	ND(3)	30	ND	ND(1)
	8/24/2015		ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	--	ND(1)	ND	ND(2)	ND(1)	ND(1)	ND	ND(1)	ND(4)	ND	ND(20)	ND(1)	ND(1)	ND(1)	**40**	ND(1)	ND(3)	20	ND	ND(1)
	11/17/2015		ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(4)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	**37.8**	ND(1)	ND(2)	11.6	ND(1)	ND(1)
	11/11/2016		ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(4)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	**20**	ND(1)	ND(3)	5	ND(1)	ND(1)
	6/17/2017		4.4	3.7	1.4	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(4)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	**68.3**	1.9	ND(2)	**191**	ND(1)	1.5
	11/20/2017		ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(4)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	**11.1**	ND(1)	ND(2)	10.3	ND(1)	ND(1)
	11/12/2018		4.1	0.84	0.51	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(250)	ND(0.5)	ND(5)	ND(1)	ND(0.75)	ND(0.5)	ND(0.5)	ND(1)	ND(3)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	**28**	ND(1)	ND(1)	**73**	ND(0.5)	ND(0.75)
	11/11/2019	ND(0.5)	5.4	0.98	0.8	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(250)	ND(0.5)	ND(5)	ND(1)	ND(0.75)	ND(0.5)	ND(0.5)	ND(1)	ND(3)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	**37**	1.4	ND(1)	**100**	ND(0.5)	ND(0.75)
GZ-203L	8/5/2019	ND(1)	3.8	ND(3.5)	1.6	ND(5)	ND(5)	ND(1)	ND(5)	ND(5)	ND(500)	ND(1)	ND(10)	ND(2)	1.9	ND(1)	ND(1)	ND(2)	ND(6)	ND(5)	ND(20)	ND(4)	ND(1)	ND(1.5)	**80**	**3.7**	ND(2)	**230**	ND(1)	ND(1.5)

TABLE 5B
SUMMARY OF GROUNDWATER VOC ANALYTICAL DATA - LOWER HYDROGEOLOGIC UNIT
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Well ID	Sample Date	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichlorobenzene	1,2-Dichloroethane	1,3,5-Trimethylbenzene	1,4-Dichlorobenzene	1,4-Dioxane	Benzene	Carbon disulfide	Chloroethane	Chloroform	Ethylbenzene	Isopropylbenzene	Methyl tert butyl ether (MTBE)	Methylene Chloride	Naphthalene	tert-Butyl Alcohol (TBA)	Tert-Amyl Methyl Ether (TAME)	Tetrachloroethene	Toluene	Trichloroethene	Vinyl chloride	Total Xylenes	cis-1,2-Dichloroethene	n-Propylbenzene	trans-1,2-Dichloroethene
NHDES AGQS		70	200	81	7	330	600	5	330	75	0.32	5	70	NS	70	700	800	13	5	100	40	140	5	1,000	5	2	10,000	70	260	100
AOI #1 - Former WWTF Area																														
	8/1/2010		100	50	**20**	ND	ND	ND(20)	ND	ND	--	ND(20)	ND	ND(100)	ND(20)	ND(20)	ND	ND	ND(100)	ND	ND	ND	ND(20)	ND(20)	**1,600**	**280**	ND(20)	**2,900**	ND	30
	11/1/2010		130	80	ND(50)	ND	ND	ND(50)	ND	ND	--	ND(50)	ND	ND(300)	ND(50)	ND(50)	ND	ND	ND(300)	ND	ND	ND	ND(50)	ND(50)	**1,700**	**700**	ND(50)	**4,600**	ND	ND(50)
GZ-301	8/1/2010		ND(2)	ND(2)	ND(1)	ND	ND	ND(2)	ND	ND	--	ND(1)	ND	ND(5)	ND(2)	ND(1)	ND	ND	ND(5)	ND	ND	ND	ND(2)	ND(1)	3	ND(2)	ND(1)	10	ND	ND(2)
	11/1/2010		ND(2)	2	ND(1)	ND	ND	ND(2)	ND	ND	--	ND(1)	ND	ND(5)	ND(2)	ND(1)	ND	ND	ND(5)	ND	ND	ND	ND(2)	ND(1)	**16**	ND(2)	ND(1)	29	ND	ND(2)
	8/1/2011		ND(1)	1.8	ND(1)	ND	ND	ND(1)	ND	ND	--	ND(1)	ND	ND(1)	ND(1)	ND(1)	ND	ND	ND(2)	ND	ND	ND	ND(1)	ND(1)	2.9	ND(1)	ND(1.5)	7.3	ND	ND(1)
	11/12/2011		1.8	5	ND(1)	ND	ND	ND(1)	ND	ND	--	ND(1)	ND	ND(1)	ND(1)	ND(1)	ND	ND	ND(2)	ND	ND	ND	ND(1)	ND(1)	3.2	ND(1)	ND(1.5)	**72**	ND	1.1
	6/1/2012		ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	--	ND(1)	ND	ND(1)	ND(1)	ND(1)	ND	ND	ND(2)	ND	ND	ND	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	7.1	ND	ND(1)
	8/1/2012		ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	--	ND(1)	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND(4)	ND	ND	ND	ND(1)	ND(1)	1.4	ND(1)	ND(1)	7.3	ND	ND(1)
	11/1/2012		ND(1)	1.4	ND(1)	ND	ND	ND(1)	ND	ND	--	ND(1)	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND(4)	ND	ND	ND	ND(1)	ND(1)	**11.4**	ND(1)	ND(1)	17	ND	ND(1)
	8/26/2013		ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	--	ND(1)	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND(4)	ND	ND	ND	ND(1)	ND(1)	1	ND(1)	ND(3)	6	ND	ND(1)
	11/4/2013		ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	--	ND(1)	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND(4)	ND	ND	ND	ND(1)	ND(1)	**10.5**	ND(1)	ND(2)	13.8	ND	ND(1)
	6/10/2014		ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	--	ND(1)	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND(4)	ND	ND	ND	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	3	ND	ND(1)
	8/19/2014		ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	--	ND(1)	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND(4)	ND	ND	ND	ND(1)	ND(1)	**8**	ND(1)	ND(3)	3	ND	ND(1)
	11/10/2014		ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	--	ND(1)	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND(4)	ND	ND	ND	ND(1)	ND(1)	**20**	ND(1)	ND(3)	4	ND	ND(1)
	6/15/2015		1	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	--	ND(1)	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND(4)	ND	ND	ND	ND(1)	ND(1)	**6**	ND(1)	ND(3)	20	ND	ND(1)
	8/24/2015		ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	--	ND(1)	ND	ND(2)	ND(1)	ND(1)	ND	ND(1)	ND(4)	ND	ND(20)	ND(1)	ND(1)	ND(1)	**7**	ND(1)	ND(3)	10	ND	ND(1)
	11/17/2015		ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(4)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	**15.9**	ND(1)	ND(2)	7.2	ND(1)	ND(1)
	11/11/2016		ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(4)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	**9**	ND(1)	ND(3)	2	ND(1)	ND(1)
	11/20/2017		ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(4)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	4.3	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)
	11/13/2018		0.56	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(250)	ND(0.5)	ND(5)	ND(1)	ND(0.75)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(3)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	4.1	ND(1)	ND(1)	7.4	ND(0.5)	ND(0.75)
	11/12/2019	ND(0.5)	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(250)	ND(0.5)	ND(5)	ND(1)	ND(0.75)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(3)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	3.6	ND(1)	ND(1)	7.3	ND(0.5)	ND(0.75)
GZ-303	8/1/2010		ND(25)	ND(2.5)	ND(2.5)	ND	ND	ND(25)	ND	ND	--	ND(2.5)	ND	ND(2.5)	ND(2.5)	ND(2.5)	ND	ND	ND(5)	ND	ND	ND	ND(25)	ND(2.5)	**74**	ND(2.5)	ND(3.75)	21	ND	ND(1)
	11/12/2011		2.1	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	--	ND(1)	ND	ND(1)	ND(1)	ND(1)	ND	ND	ND(2)	ND	ND	ND	ND(1)	ND(1)	**56**	ND(1)	ND(1.5)	26	ND	ND(1)
	6/1/2012		ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	--	ND(1)	ND	ND(1)	ND(1)	ND(1)	ND	ND	ND(2)	ND	ND	ND	ND(1)	ND(1)	**29.8**	ND(1)	ND(3)	14.2	ND	ND(1)
	11/1/2012		5	2.8	1.6	ND	ND	ND(1)	ND	ND	--	ND(1)	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND(4)	ND	ND	ND	ND(1)	ND(1)	**139**	**5.1**	ND(1)	**102**	ND	ND(1)
	8/26/2013		2	2	ND(1)	ND	ND	ND(1)	ND	ND	--	ND(1)	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND(4)	ND	ND	ND	ND(1)	ND(1)	**60**	2	ND(3)	40	ND	ND(1)
	6/10/2014		2	2	ND(1)	ND	ND	ND(1)	ND	ND	--	ND(1)	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND(4)	ND	ND	ND	ND(1)	ND(1)	**60**	2	ND(3)	**70**	ND	ND(1)
	8/19/2014		2	2	ND(1)	ND	ND	ND(1)	ND	ND	--	ND(1)	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND(4)	ND	ND	ND	ND(1)	ND(1)	**70**	**4**	ND(3)	**80**	ND	ND(1)
	11/10/2014		4	4	1	ND	ND	ND(1)	ND	ND	--	ND(1)	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND(4)	ND	ND	ND	ND(1)	ND(1)	**100**	**7**	ND(3)	**200**	ND	ND(1)
	11/17/2015		7.9	6.6	2	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(4)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	**128**	**8.7**	ND(2)	**274**	ND(1)	1.6
	6/20/2016		2	2	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(4)	ND(1)	--	4	ND(1)	ND(1)	**50**	**3**	ND(3)	**100**	ND(1)	ND(1)
	11/11/2016		6	5	2	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(4)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	**100**	**5**	ND(3)	**300**	ND(1)	1
	6/14/2017		4.4	3.7	1.4	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(4)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	**68.3**	1.9	ND(2)	**191**	ND(1)	1.5
	11/21/2017		5.2	3.4	1.9	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(4)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	**89.3**	**2.5**	ND(2)	**242**	ND(1)	1
	6/26/2018		2.5	1.6	0.65	ND(2)	ND(1)	ND(1)	ND(2)	ND(1)	ND(130)	ND(0.5)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(5)	ND(10)	ND(2)	ND(1)	ND(1)	**40.5**	0.68	ND(1)	**105**	ND(2)	1
	11/12/2018		ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(250)	ND(0.5)	ND(5)	ND(1)	ND(0.75)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(3)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	3.8	ND(1)	ND(1)	8.2	ND(0.5)	ND(0.75)
	6/26/2019	ND(0.5)	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(250)	ND(0.5)	ND(5)	ND(1)	ND(0.75)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(3)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.75)
	11/15/2019	ND(0.5)	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(250)	ND(0.5)	ND(5)	ND(1)	ND(0.75)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(3)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.75)
MW19-02L	8/5/2019	ND(0.5)	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(250)	ND(0.5)	ND(5)	ND(1)	ND(0.75)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(3)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	1.9	ND(1)	ND(1)	1.4	ND(0.5)	ND(0.75)
AOI #2 - DNAPL Area																														
	8/1/2010		ND(2)	54	ND(1)	3	ND	ND(2)	ND	ND	**4**	4	ND	110	ND(2)	15	ND	13	ND(5)	ND	ND(30)	ND(5)	ND(2)	73	ND(2)	**220**	57	**120**	ND	ND(2)
	11/1/2010		ND(2)	34	ND(1)	2	ND	ND(2)	ND	ND	--	3	ND	71	ND(2)	8	ND	**23**	ND(5)	ND	ND(30)	ND(5)	ND(2)	26	ND(2)	**19**	27	15	ND	ND(2)
	8/1/2011		ND(5)	39	ND(5)	ND	ND	ND(5)	ND	ND	--	ND(5)	ND	41	ND(5)	ND(5)	ND	5	ND(100)	ND	ND(130)	ND(10)	ND(5)	31	ND(5)	**550**	21.2	**540**	ND	ND(5)
	11/12/2011		2	ND(1)	4.3	ND	ND	ND(1)	ND	ND	--	ND(1)	ND	2	ND(1)	ND(1)	ND	ND(1)	ND(2)	ND	ND(25)	ND(2)	ND(2)	ND(1)	2.8	ND(1)	**58**	ND(1.5)	**110**	ND	ND(1)
	6/1/2012		ND(25)	26.6	ND(2.5)	ND	ND	ND(25)	ND	ND	--	ND(2.5)	ND	13.8	ND(2.5)	ND(2.5)	ND	ND(2.5)	ND(5)	ND	ND(62.5)	ND(5)	ND(25)	ND(2.5)	ND(25)	**200**	4.1	**170**	ND	ND(2.5)
	8/1/2012		ND(1)	13.6	ND(1)	ND	ND	ND(1)	ND	ND	--	ND(1)	ND	10.4	ND(1)	ND(1)	ND	**16.6**	ND(4)	ND	ND(25)	ND(1)	ND(1)	1.2	ND(1)	**76**	1.6	57.4	ND	ND(1)
	11/1/2012		ND(1)	12.6	ND(1)	ND	ND	ND(1)	ND	ND	--	1	ND	14	ND(1)	ND(1)	ND	**58.1**	ND(4)	ND	ND(25)	ND(1)	ND(1)	1.4	ND(1)	**32**	1.3	24.1	ND	ND(1)
	8/26/2013		1	80	**8**	ND	ND	ND(1)	ND	ND	--	3	ND	30	ND(1)	4	ND	5	ND(4)	ND	ND(20)	ND(1)	ND(1)	40	ND(1)	**1,300**	10	**1,800**	ND	6
	11/4/2013		ND(10)	36.3	ND(10)	ND	ND	ND(10)	ND	ND	--	ND(10)	ND	22.5	ND(10)	ND(10)	ND	**24.9**	ND(40)	ND	ND(250)	ND(10)	ND(10)	ND(10)	ND(10)	**467**	ND(20)	**635**	ND	ND(10)
	6/10/2014		3	50	4	ND	ND	ND(1)	ND	ND	--	2	ND	10	ND(1)	ND(1)	ND	1	ND(4)	ND	ND(20)	ND(1)	ND(1)	3	3	**400**	4	**800**	ND	ND(1)
	8/19/2014		ND(1)	30	2	ND	ND	ND(1)	ND	ND	--	1	ND	10	ND(1)	ND(1)	ND	**30**	ND(4)	ND	ND(20)	ND(1)	ND(1)	4	ND(1)	**400**	ND(3)	**600**	ND	1
GZ-2L	11/10/2014		1	**100**	2	6	ND	1	2	1.0	--	**7**	ND	80	ND(1)	20	ND	ND(1)	ND(4)	1	ND(20)	ND(1)	ND(1)	70	**10**	**1,100**	60	**1,000**	1	10
	6/15/2015		3	70	5	ND	ND	ND(1)	ND	ND	--	3	ND	20	ND(1)	ND(1)	ND	6	ND(4)	ND	ND(20)	ND(1)	ND(1)	5	2	**900**	5	**900**	ND	2
	8/24/2015		ND(1)	20	1	ND	ND	ND(1)	ND	ND	--	ND(1)	ND	10	ND(1)	ND(1)	ND	**20**	ND(4)	ND	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	**100**	ND(3)	**200**	ND	ND(1)
	11/17/2015		ND(1)	14.6	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	9.9	ND(1)	ND(1)	ND(1)	**59.9**	ND(4)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(1)	**31.5**	ND(2)	**38.9**	ND(1)	ND(1)
	6/20/2016		ND(1)	10	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	**2.5**	ND(1)	ND(1)	6	ND(1)	ND(1)	ND(1)	10	ND(4)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	**100**	ND(3)	**90**	ND(1)	ND(1)
	11/11/2016		ND(1)	10	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	8	ND(1)	ND(1)	ND(1)	**70**	ND(4)	ND(1)	ND(20)	1	ND(1)	ND(1)	ND(1)	**10**	ND(3)	20	ND(1)	ND(1)
	6/13/2017		4.4	23.7	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.25)	ND(1)	ND(1)	2.6	ND(1)	ND(1)	ND(1)	ND(1)	ND(4)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	2.6	**47.2**	ND(2)	**298**	ND(1)	2.8
	11/20/2017		ND(1)	35	1.5	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	1.1	ND(1)	7.9	ND(1)	ND(1)	ND(1)	**27**	ND(4)	ND(1)	ND(25)	1.1	ND(1)	1	2.6	**200**	ND(2)	**392**	ND(1)	1.7
	6/26/2018		23.8	63.8	4.4	ND(10)	ND(5)	ND(5)	ND(10)	ND(5)	ND(630)	1.3	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(10)	ND(25)	ND(50)	ND(10)	ND(5)	ND(5)	**17.3**	**420**	1.3	**1,680**	ND(10)	**808**
	11/12/2018		1.2	3.2	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(250)	ND(0.5)	ND(5)	ND(1)	ND(0.75)	ND(0.5)	ND(0.5)	ND(1)	ND(3)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	ND(0.5)	**3**	ND(1)	26	ND(0.5)	ND(0.75)
	6/26/2019	ND(2.5)	24	8	ND(2.5)	ND(12)	ND(12)	ND(2.5)	ND(12)	ND(12)	ND(0.139)	ND(2.5)	ND(25)	ND(5)	ND(3.8)	ND(2.5)	ND(2.5)	ND(5)	ND(15)	ND(12)	ND(50)	ND(10)	ND(2.5)	ND(3.8)	ND(2.5)	ND(5)	ND(5)	**610**	ND(2.5)	4.1
	11/11/2019	ND(2.5)	ND(2.5)	24	ND(2.5)	ND(12)	ND(12)	ND(2.5)	ND(12)	ND(12)	ND(1,200)	ND(2.5)	ND(25)	ND(5)	ND(3.8)	ND(2.5)	ND(2.5)	ND(5)	ND(15)	ND(12)	ND(50)	ND(10)	ND(2.5)	ND(3.8)	ND(2.5)	**290**	ND(5)	**580**	ND(2.5)	5.4

TABLE 5B
SUMMARY OF GROUNDWATER VOC ANALYTICAL DATA - LOWER HYDROGEOLOGIC UNIT
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Well ID	Sample Date	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichlorobenzene	1,2-Dichloroethane	1,3,5-Trimethylbenzene	1,4-Dichlorobenzene	1,4-Dioxane	Benzene	Carbon disulfide	Chloroethane	Chloroform	Ethylbenzene	Isopropylbenzene	Methyl tert butyl ether (MTBE)	Methylene Chloride	Naphthalene	tert-Butyl Alcohol (TBA)	Tert-Amyl Methyl Ether (TAME)	Tetrachloroethene	Toluene	Trichloroethene	Vinyl chloride	Total Xylenes	cis-1,2-Dichloroethene	n-Propylbenzene	trans-1,2-Dichloroethene
NHDES AGQS		70	200	81	7	330	600	5	330	75	0.32	5	70	NS	70	700	800	13	5	100	40	140	5	1,000	5	2	10,000	70	260	100
AOI #1 - Former WWTF Area																														
	8/1/2010		100	50	**20**	ND	ND	ND(20)	ND	ND	--	ND(20)	ND	ND(100)	ND(20)	ND(20)	ND	ND	ND(100)	ND	ND	ND	ND(20)	ND(20)	**1,600**	**280**	ND(20)	**2,900**	ND	30
	11/1/2010		130	80	ND(50)	ND	ND	ND(50)	ND	ND	--	ND(50)	ND	ND(300)	ND(50)	ND(50)	ND	ND	ND(300)	ND	ND	ND	ND(50)	ND(50)	**1,700**	**700**	ND(50)	**4,600**	ND	ND(50)
	8/1/2010		50	20	ND(10)	ND	ND	ND(10)	ND	ND	--	ND(10)	ND	ND(50)	ND(10)	10	ND	ND(10)	ND(50)	ND	ND(300)	ND(50)	ND(10)	210	**170**	ND(20)	60	**910**	ND	ND(10)
	11/1/2010		11	10	ND(2)	3	ND	ND(2)	ND	ND	--	ND(2)	ND	ND(10)	ND(2)	9	ND	ND(5)	ND(10)	ND	ND(60)	ND(10)	ND(2)	400	**6**	**9**	55	**390**	ND	ND(2)
	8/1/2011		42	**87**	ND(10)	10	ND	ND(10)	ND	ND	--	ND(10)	ND	ND(10)	ND(10)	31	ND	ND(10)	ND(20)	ND	ND(250)	ND(20)	ND(10)	70	ND(10)	**78**	188	**1,500**	ND	ND(10)
	11/12/2011		**2,800**	**150**	ND(50)	ND	ND	ND(50)	ND	ND	--	ND(50)	ND	ND(50)	ND(50)	130	ND	ND(50)	ND(100)	ND	ND(1,300)	**200**	ND(50)	810	**3,400**	**79**	750	**26,000**	ND	**180**
	6/1/2012		44	**240**	ND(25)	ND	ND	ND(25)	ND	ND	--	ND(25)	ND	ND(25)	ND(25)	48.5	ND	ND(25)	ND(50)	ND	ND(625)	ND(50)	ND(25)	120	**214**	**1,320**	284.2	**1,420**	ND	ND(25)
	8/1/2012		53.1	**86**	4.4	10.1	ND	ND(1)	3.6	ND	--	ND(1)	ND	ND(2)	ND(1)	37.9	ND	ND(1)	ND(4)	ND	ND(25)	ND(1)	**2.4**	99.5	**227**	**312**	141	**782**	2.4	9.9
	11/1/2012		2.5	18.1	ND(1)	4.2	ND	ND(1)	1.6	ND	--	ND(1)	ND	ND(2)	ND(1)	6.8	ND	ND(1)	ND(4)	ND	ND(25)	ND(1)	ND(1)	13.4	**7.7**	**43.4**	43.8	61	1	ND(1)
	8/26/2013		ND(1)	7	ND(1)	4	ND	ND(1)	2	ND	--	ND(1)	9	ND(2)	ND(1)	9	ND	ND(1)	ND(4)	ND	ND(20)	ND(1)	ND(1)	10	ND(1)	**40**	60	60	1	ND(1)
	11/4/2013		10	24.4	ND(1)	3.3	ND	ND(1)	1.4	ND	--	ND(1)	13.4	5.6	ND(1)	12.9	ND	ND(1)	ND(4)	ND	ND(25)	ND(1)	ND(1)	38.6	1.2	**136**	90	**300**	ND	3.3
	6/10/2014		80	**200**	2	10	ND	ND(1)	5	ND	--	1	10	5	ND(1)	70	1	ND(1)	ND(4)	1	ND(20)	ND(1)	ND(1)	100	4	**800**	300	**1,500**	2	20
	8/19/2014		50	**200**	2	10	ND	ND(1)	4	ND	--	ND(1)	ND	ND(2)	ND(1)	60	1	ND(1)	ND(4)	1	ND(20)	ND(1)	ND(1)	ND(100)	**30**	**400**	300	**900**	3	20
GZ-405L	11/10/2014		**700**	**300**	ND(100)	ND	ND	ND(100)	ND	ND	--	ND(100)	ND	ND(200)	ND(100)	ND(100)	ND	ND(100)	ND(400)	ND	ND(2,500)	ND(100)	ND(100)	300	**700**	**800**	400	**9,500**	ND	ND(100)
	6/15/2015		200	**100**	ND(50)	ND	ND	ND(50)	ND	ND	--	ND(50)	ND	ND(100)	ND(50)	ND(50)	ND	ND(50)	ND(200)	ND	ND(1,200)	ND(50)	ND(50)	ND(50)	**50**	ND(50)	200	**2,400**	ND	ND(50)
	8/24/2015		**300**	**400**	ND(100)	ND	ND	ND(100)	ND	ND	--	ND(100)	ND	ND(100)	ND(100)	ND(100)	ND	ND(100)	ND(400)	ND	ND(20)	ND(1)	ND(100)	100	**300**	**700**	400	**7,800**	ND	ND(50)
	11/17/2015		**258**	**574**	**8.8**	39.1	ND(1)	ND(1)	12.4	1.7	--	2.5	**75.5**	7.2	ND(1)	115	3	ND(1)	ND(4)	2.8	ND(25)	ND(1)	ND(1)	80.8	**7.8**	**953**	727	**7,590**	6.8	**E 223**
	6/20/2016		40	**300**	ND(1)	9	ND(1)	ND(1)	3	ND(1)	--	ND(1)	ND(1)	8	ND(1)	50	1	ND(1)	ND(4)	ND(1)	ND(20)	ND(1)	ND(1)	30	2	**300**	200	**1,000**	2	20
	11/11/2016		30	50	ND(1)	6	ND(1)	ND(1)	3	ND(1)	--	ND(1)	ND(1)	4	ND(1)	20	ND(1)	ND(1)	ND(4)	ND(1)	ND(20)	ND(1)	ND(1)	30	3	**70**	100	**500**	2	8
	6/14/2017		**213**	68.9	4	6.9	ND(1)	ND(1)	2.5	ND(1)	--	ND(1)	6.6	ND(2)	ND(1)	31.3	ND(1)	ND(1)	ND(4)	ND(1)	ND(25)	ND(1)	ND(1)	14.7	**11.9**	**209**	199	**1,520**	1.5	19.9
	11/17/2017		176	**85.1**	3.1	12.4	ND(1)	ND(1)	4.3	ND(1)	--	ND(1)	ND(1)	ND(2)	ND(1)	52.2	1.2	ND(1)	ND(4)	1.8	ND(25)	ND(1)	ND(1)	99.4	**132**	**206**	211	**1,680**	2.6	19.1
	6/26/2018		**238**	5.7	ND(5)	7	ND(5)	ND(5)	2.3	ND(5)	ND(630)	ND(2).5	ND(10)	ND(5)	ND(5)	30.6	ND(5)	ND(5)	ND(10)	ND(25)	ND(50)	ND(10)	ND(5)	15	**19**	**50.4**	162	**2,170**	1.6	15.4
	11/13/2018		200	9.6	ND(5)	ND(25)	ND(25)	ND(5)	ND(25)	ND(25)	ND(2,500)	ND(5)	ND(50)	ND(10)	ND(7.5)	10	ND(5)	ND(10)	ND(30)	ND(25)	ND(100)	ND(20)	ND(5)	16	**12**	**45**	40	**1,700**	ND(5)	13
	6/24/2019	ND(0.5)	100	ND(2)	1.6	2.8	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(250)	ND(0.5)	ND(5)	ND(1)	ND(0.75)	2.5	ND(0.5)	ND(1)	ND(3)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	2.7	**12**	**29**	18	**1,200**	0.67	7.5
	11/14/2019	ND(0.5)	16	1.6	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(250)	ND(0.5)	ND(5)	ND(1)	ND(0.75)	3.2	ND(0.5)	ND(1)	ND(3)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	3.6	1.6	**9.2**	15	**200**	ND(0.5)	1.4
	8/1/2010		**57,000**	ND(5,000)	ND(5,000)	ND	ND	ND(5,000)	ND	ND	--	ND(5,000)	ND	ND(30,000)	ND(5,000)	ND(5,000)	ND	ND(5,000)	ND(30,000)	ND	ND(200,000)	ND(30,000)	ND(5,000)	**11,000**	**840,000**	ND(10,000)	ND(5,000)	ND(5,000)	ND	ND(5,000)
	11/1/2010		**100,000**	ND(5,000)	ND(5,000)	ND	ND	ND(5,000)	ND	ND	--	ND(5,000)	ND	ND(30,000)	ND(5,000)	ND(5,000)	ND	ND(5,000)	ND(30,000)	ND	ND(200,000)	ND(30,000)	ND(5,000)	**16,000**	**1,200,000**	ND(10,000)	ND(5,000)	ND(5,000)	ND	ND(5,000)
	8/1/2011		**84,000**	ND(5,000)	ND(5,000)	ND	ND	ND(5,000)	ND	ND	--	ND(5,000)	ND	ND(5,000)	ND(5,000)	ND(5,000)	ND	ND(5,000)	ND(10,000)	ND	ND(130,000)	ND(10,000)	ND(5,000)	**11,000**	**820,000**	ND(5,000)	ND(7,500)	**5,600**	ND	ND(5,000)
	11/12/2011		**71,000**	ND(5,000)	ND(5,000)	ND	ND	ND(5,000)	ND	ND	--	ND(5,000)	ND	ND(5,000)	ND(5,000)	ND(5,000)	ND	ND(5,000)	ND(10,000)	ND	ND(130,000)	ND(10,000)	ND(5,000)	**11,000**	**750,000**	ND(5,000)	ND(7,500)	ND(5,000)	ND	ND(5,000)
	6/1/2012		**11,600**	ND(2,000)	ND(2,000)	ND	ND	ND(2,000)	ND	ND	--	ND(2,000)	ND	ND(2,000)	ND(2,000)	ND(2,000)	ND	ND(2,000)	ND(4,000)	ND	ND(50)	ND(4,000)	ND(2,000)	**3,420**	**133,000**	ND(2,000)	ND(6,000)	**8,720**	ND	ND(2,000)
	8/1/2012		**9,430**	ND(100)	**322**	ND	ND	ND(100)	ND	ND	--	ND(100)	ND	ND(200)	ND(100)	553	ND	ND(100)	ND(400)	ND	ND(2,500)	ND(100)	**452**	**3,370**	**109,000**	**116**	3,240	**7,130**	ND	ND(100)
	11/1/2012		**4,510**	ND(1,000)	ND(1,000)	ND	ND	ND(1,000)	ND	ND	--	ND(1,000)	ND	ND(2,000)	ND(1,000)	ND(1,000)	ND	ND(1,000)	ND(4,000)	ND	ND(25)	ND(1,000)	ND(1,000)	**1,630**	**62,200**	ND(1,000)	ND(1,000)	**5,730**	ND	ND(1,000)
	8/26/2013		**6,000**	ND(100)	**100**	ND	ND	ND(100)	ND	ND	--	ND(100)	ND	ND(200)	ND(100)	600	ND	ND(100)	ND(400)	ND	**2,500**	ND(100)	**300**	**2,600**	**43,200**	**200**	3,700	**21,500**	ND	ND(100)
	11/4/2013		**6,310**	ND(100)	**106**	ND	ND	ND(100)	ND	ND	--	ND(100)	ND	ND(200)	ND(100)	460	ND	ND(100)	ND(400)	ND	ND(2,500)	ND(100)	**225**	**2,360**	**52,400**	**152**	3,000	**12,800**	ND	ND(100)
	6/10/2014		**2,300**	ND(100)	ND(100)	ND	ND	ND(100)	ND	ND	--	ND(100)	ND	ND(200)	ND(100)	300	ND	ND(100)	ND(400)	ND	ND(2,500)	ND(100)	**100**	**1,000**	**19,000**	**100**	1,800	**9,200**	ND	ND(100)
	8/19/2014		**2,300**	ND(100)	ND(100)	ND	ND	ND(100)	ND	ND	--	ND(100)	ND	ND(200)	ND(100)	300	ND	ND(100)	ND(400)	ND	ND(2,500)	ND(100)	**100**	900	**17,500**	**200**	1,700	**12,600**	ND	ND(100)
GZ-505LR	11/10/2014		**1,100**	ND(100)	ND(100)	ND	ND	ND(100)	ND	ND	--	ND(100)	ND	ND(200)	ND(100)	200	ND	ND(100)	ND(400)	ND	ND(2,500)	ND(100)	ND(100)	500	**8,500**	**100**	1,100	**8,100**	ND	ND(100)
	6/15/2015		**1,300**	ND(100)	**100**	ND	ND	ND(100)	ND	ND	--	ND(100)	ND	ND(200)	ND(100)	100	ND	ND(100)	ND(400)	ND	ND(2,500)	ND(100)	ND(100)	500	**11,800**	**100**	700	**6,700**	ND	ND(100)
	8/24/2015		**1,500**	ND(100)	ND(100)	ND	ND	ND(100)	ND	ND	--	ND(100)	ND	ND(200)	ND(100)	200	ND	ND(100)	ND(400)	ND	ND(2,500)	ND(100)	ND(100)	600	**12,400**	ND(100)	1,000	**11,300**	ND	ND(100)
	11/17/2015		**1,750**	43.8	**32.2**	67.5	ND(1)	ND(1)	23.3	1.7	--	**9.5**	10.1	ND(2)	1.3	105	5.2	ND(1)	ND(4)	3.7	ND(25)	ND(1)	**46**	456	**14,900**	**151**	663	**11,600**	13.5	**528 E**
	6/20/2016		**800**	80	**40**	40	ND(1)	ND(1)	10	1	--	**8**	3	ND(2)	ND(1)	80	4	ND(1)	ND(4)	3	ND(20)	ND(1)	**20**	300	**4,300**	**400**	500	**10,000**	9	**200 E**
	11/11/2016		**1,000**	80	**30**	40	ND(10)	ND(10)	20	ND(10)	--	ND(10)	ND(10)	ND(20)	ND(10)	90	ND(10)	ND(10)	ND(40)	ND(10)	ND(200)	ND(10)	**30**	400	**4,900**	**400**	500	**8,000**	ND(10)	30
	6/14/2017		**295**	16.8	**10.1**	16.2	ND(1)	ND(1)	6.3	ND(1)	--	2.4	ND(1)	ND(2)	ND(1)	36.6	1.3	ND(1)	ND(4)	ND(1)	ND(25)	ND(1)	**13.4**	91.6	**1,430**	**72.4**	213	**2,570**	3.8	8.2
	11/20/2017		**607**	21.8	**15**	21.2	ND(1)	ND(1)	8.3	ND(1)	--	4.3	ND(1)	ND(2)	ND(1)	51.1	1.8	ND(1)	ND(4)	ND(1)	ND(25)	ND(1)	**14.5**	150	**2,500**	**103**	254	**6,700**	5.2	20
	6/26/2018		**1,040**	23.2	**19.9**	ND(50)	ND(25)	ND(25)	ND(50)	ND(25)	ND(3,100)	**8.8**	ND(50)	ND(25)	ND(25)	ND(15.4)	ND(25)	ND(25)	ND(50)	ND(130)	ND(250)	ND(50)	**22.5**	106	**8,290**	**35.8**	59.5	**6,750**	ND(50)	18.5
	11/13/2018		**1,800**	ND(150)	ND(100)	ND(500)	ND(500)	ND(100)	ND(500)	ND(500)	ND(50,000)	ND(100)	ND(1,000)	ND(200)	ND(150)	ND(100)	ND(100)	ND(200)	ND(600)	ND(500)	ND(2,000)	ND(400)	ND(100)	170	**20,000**	ND(200)	ND(200)	**15,000**	ND(100)	ND(150)
	6/24/2019	ND(250)	**3,700**	ND(380)	ND(250)	ND(1,200)	ND(1,200)	ND(250)	ND(1,200)	ND(1,200)	ND(120,000)	ND(250)	ND(2,500)	ND(500)	ND(380)	ND(250)	ND(250)	ND(500)	ND(1,500)	ND(1,200)	ND(5,000)	ND(1,000)	ND(250)	ND(380)	**52,000**	ND(500)	ND(500)	**5,700**	ND(250)	ND(380)
	11/13/2019	ND(100)	**1,600**	ND(150)	ND(100)	ND(500)	ND(500)	ND(100)	ND(500)	ND(500)	ND(50,000)	ND(100)	ND(1,000)	ND(200)	ND(150)	ND(100)	ND(100)	ND(200)	ND(600)	ND(500)	ND(2,000)	ND(400)	ND(100)	180	**21,000**	ND(200)	ND(200)	**6,400**	ND(100)	ND(150)

TABLE 5B
SUMMARY OF GROUNDWATER VOC ANALYTICAL DATA - LOWER HYDROGEOLOGIC UNIT
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Well ID	Sample Date	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichlorobenzene	1,2-Dichloroethane	1,3,5-Trimethylbenzene	1,4-Dichlorobenzene	1,4-Dioxane	Benzene	Carbon disulfide	Chloroethane	Chloroform	Ethylbenzene	Isopropylbenzene	Methyl tert butyl ether (MTBE)	Methylene Chloride	Naphthalene	tert-Butyl Alcohol (TBA)	Tert-Amyl Methyl Ether (TAME)	Tetrachloroethene	Toluene	Trichloroethene	Vinyl chloride	Total Xylenes	cis-1,2-Dichloroethene	n-Propylbenzene	trans-1,2-Dichloroethene
NHDES AGQS		70	200	81	7	330	600	5	330	75	0.32	5	70	NS	70	700	800	13	5	100	40	140	5	1,000	5	2	10,000	70	260	100
AOI #1 - Former WWTF Area																														
	8/1/2010		100	50	**20**	ND	ND	ND(20)	ND	ND	--	ND(20)	ND	ND(100)	ND(20)	ND(20)	ND	ND	ND(100)	ND	ND	ND	ND(20)	ND(20)	**1,600**	**280**	ND(20)	**2,900**	ND	30
	11/1/2010		130	80	ND(50)	ND	ND	ND(50)	ND	ND	--	ND(50)	ND	ND(300)	ND(50)	ND(50)	ND	ND	ND(300)	ND	ND	ND	ND(50)	ND(50)	**1,700**	**700**	ND(50)	**4,600**	ND	ND(50)
	8/1/2010		100	ND(10)	ND(10)	ND	ND	ND(10)	ND	ND	--	ND(10)	ND	ND(50)	ND(10)	ND(10)	ND	ND(10)	ND(50)	ND	ND(300)	ND(50)	ND(10)	10	**330**	ND(20)	30	**1,600**	ND	ND(10)
	11/1/2010		**660**	ND(20)	**20**	ND	ND	ND(20)	ND	ND	--	ND(20)	ND	ND(100)	ND(20)	30	ND	ND(20)	ND(100)	ND	ND(600)	ND(100)	**30**	110	**4,100**	ND(40)	160	**3,800**	ND	ND(20)
	8/1/2011		**460**	ND(25)	ND(25)	ND	ND	ND(25)	ND	ND	--	ND(25)	ND	ND(25)	ND(25)	39	ND	ND(25)	ND(50)	ND	ND(630)	ND(50)	ND(25)	94	**1,900**	**26**	148	**3,500**	ND	ND(25)
	11/12/2011		**630**	ND(50)	ND(50)	ND	ND	ND(50)	ND	ND	--	ND(50)	ND	ND(50)	ND(50)	68	ND	ND(50)	ND(100)	ND	ND(1,300)	ND(100)	**70**	170	**5,100**	ND(50)	310	**3,300**	ND	ND(50)
	6/1/2012		**498**	ND(50)	ND(50)	ND	ND	ND(50)	ND	ND	--	ND(50)	ND	ND(50)	ND(50)	73	ND	ND(50)	ND(100)	ND	ND(1,250)	ND(100)	**74**	148	**3,470**	ND(50)	390.5	**4,010**	ND	ND(50)
	8/1/2012		160	5.1	**19.7**	7.3	ND	ND(1)	2.1	1.5	--	ND(1)	ND	ND(2)	ND(1)	72	ND	ND(1)	ND(4)	ND	ND(25)	ND(1)	**47.8**	99.5	**2,270**	**18.4**	245	**2,600**	1.7	6.5
	11/1/2012		87.2	ND(10)	ND(10)	ND	ND	ND(10)	ND	ND	--	ND(10)	ND	ND(20)	ND(10)	16.4	ND	ND(10)	ND(40)	ND	ND(25)	ND(10)	**19.3**	22.7	**598**	**22.5**	90.5	**698**	ND	ND(10)
	8/26/2013		100	3	7	3	ND	ND(1)	1	ND	--	ND(1)	ND	ND(2)	ND(1)	10	ND	ND(1)	ND(4)	ND	ND(20)	ND(1)	**20**	20	**800**	**10**	90	**1,100**	ND	4
	11/4/2013		108	ND(100)	ND(100)	ND	ND	ND(100)	ND	ND	--	ND(100)	ND	ND(20)0	ND(100)	ND(100)	ND	ND(100)	ND(400)	ND	ND(2,500)	ND(100)	ND(100)	ND(100)	**2,060**	ND(100)	ND(20)0	**713**	ND	ND(100)
	6/10/2014		**200**	4	**10**	6	ND	ND(1)	2	2	--	ND(1)	ND	ND(2)	ND(1)	30	1	ND(1)	ND(4)	1	ND(20)	ND(1)	**70**	90	**6,300**	**7**	200	**1,200**	2	10
	8/19/2014		90	3	6	4	ND	ND(1)	1	ND	--	ND(1)	ND	ND(2)	ND(1)	20	ND	ND(1)	ND(4)	ND	ND(20)	ND(1)	**40**	40	**1,600**	**7**	100	**600**	ND	3
GZ-609L	11/10/2014		50	2	4	5	ND	ND(1)	2	ND	--	ND(1)	ND	ND(2)	ND(1)	20	ND	ND(1)	ND(4)	ND	ND(20)	ND(1)	**60**	30	**1,000**	**20**	200	**400**	1	2
	6/15/2015		100	10	**20**	9	ND	ND(1)	3	1	--	ND(1)	ND	ND(2)	ND(1)	30	1.0	ND(1)	ND(4)	1	ND(20)	ND(1)	**90**	70	**1,900**	ND(1)	300	**1,600**	2	7
	8/24/2015		100	10	ND(100)	ND	ND	ND(1)	ND	ND	--	ND(1)	ND	ND(2)	ND(1)	10	ND	ND(1)	ND(4)	ND	ND(20)	ND(1)	ND(100)	50	**200**	ND(1)	100	**2,300**	ND	ND(100)
	11/17/2015		60.8	6.3	3	1.9	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(2)	ND(1)	7.4	ND(1)	ND(1)	ND(4)	ND(1)	ND(25)	ND(1)	**13.2**	13.8	**126**	**9.9**	67.7	**709**	ND(1)	3.4
	6/20/2016		100	40	**10**	4.0	ND(1)	ND(1)	1	ND(1)	--	ND(1)	ND(1)	ND(2)	ND(1)	20	ND(1)	ND(1)	ND(4)	ND(1)	ND(20)	ND(1)	**6**	70	**70**	**10**	100	**2,800**	ND(1)	10
	11/11/2016		40	20	5	3	ND(1)	ND(1)	1	ND(1)	--	ND(1)	ND(1)	ND(2)	ND(1)	10	ND(1)	ND(1)	ND(4)	ND(1)	ND(20)	ND(1)	**9**	30	**20**	**50**	80	**900**	ND(1)	6
	6/14/2017		187	41.2	**11.5**	5.1	ND(1)	ND(1)	2	1	--	ND(1)	ND(1)	ND(2)	ND(1)	25.9	ND(1)	ND(1)	ND(4)	ND(1)	ND(25)	ND(1)	**9.8**	99.8	**32.6**	**27.2**	238	**3,530**	1.4	14.8
	11/17/2017		109	50.3	**10.8**	8.4	ND(1)	ND(1)	3.1	1.2	--	ND(1)	ND(1)	ND(2)	ND(1)	32.3	1.4	ND(1)	ND(4)	1.5	ND(25)	ND(1)	4.2	103	**20.1**	**39**	280	**2,920**	2.1	12.8
	6/26/2018		87	43	5.1	7.5	ND(5)	ND(5)	2.6	ND(5)	ND(630)	ND(2.5)	ND(10)	ND(5)	ND(5)	24.8	ND(5)	ND(5)	ND(10)	ND(25)	ND(50)	ND(10)	ND(5)	61.1	3.6	**122**	195	**1,860**	1.9	9.5
	11/12/2018		16	16	ND(2)	ND(10)	ND(10)	ND(2)	ND(10)	ND(10)	ND(1,000)	ND(2)	ND(20)	ND(4)	ND(3)	6.9	ND(2)	ND(4)	ND(12)	ND(10)	ND(40)	ND(8)	ND(2)	18	ND(2)	**39**	56	**480**	ND(2)	ND(3)
	6/26/2019	ND(2.5)	23	13	ND(2.5)	ND(12)	ND(12)	ND(2.5)	ND(12)	ND(12)	ND(1,200)	ND(2.5)	ND(25)	ND(5)	ND(3.8)	8.7	ND(2.5)	ND(5)	ND(15)	ND(12)	ND(50)	ND(10)	ND(2.5)	19	ND(2.5)	**51**	49	**610**	ND(2.5)	ND(3.8)
	11/14/2019	ND(2)	12	9.4	ND(2)	ND(10)	ND(10)	ND(2)	ND(10)	ND(10)	ND(1,000)	ND(2)	ND(20)	ND(4)	ND(3)	5.7	ND(2)	ND(4)	**12**	ND(10)	ND(40)	ND(8)	ND(2)	14	ND(2)	**62**	30	**340**	ND(2)	ND(3)
GZ-611L	8/6/2019	ND(0.5)	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.15)	ND(0.5)	ND(5)	ND(1)	ND(0.75)	ND(0.5)	ND(0.5)	ND(1)	ND(3)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.75)
	8/6/2019[DUP]	ND(0.5)	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.15)	ND(0.5)	ND(5)	ND(1)	ND(0.75)	ND(0.5)	ND(0.5)	ND(1)	ND(3)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.75)
MW19-06L	8/6/2019	ND(5)	34	14	5.2	ND(25)	ND(25)	ND(5)	ND(25)	ND(25)	ND(2,500)	ND(5)	ND(20)	ND(10)	ND(7.5)	ND(5)	ND(5)	ND(10)	ND(30)	ND(25)	ND(100)	ND(20)	ND(5)	11	**28**	**210**	ND(10)	**1,000**	ND(5)	ND(7.5)
AOI #3 - Other Potential Sources Area																														
	8/1/2010		4	19	ND(1)	ND	1	ND(2)	ND	ND	ND(1)	ND(1)	ND	ND(5)	ND(2)	4	ND	**440**	ND(5)	ND	ND(30)	7	ND(2)	2	ND(2)	**62**	4	20	ND	ND(2)
	11/1/2010		ND(2)	39	ND(1)	ND	ND	ND(2)	ND	ND	ND(1)	ND(1)	ND	9	ND(2)	3	ND	**480**	ND(5)	ND	ND(30)	5	ND(2)	1	ND(2)	**4**	2	ND(2)	ND	ND(2)
	8/1/2011		13	27	ND(2.5)	ND	ND	ND(25)	ND	ND	ND(3)	ND(2.5)	ND	ND(2.5)	ND(2.5)	4.8	ND	**310**	ND(5)	ND	**120**	ND(5)	ND(25)	3.6	2.8	**260**	5.3	**300**	ND	3.8
	11/12/2011		ND(25)	51	ND(2.5)	2.8	3.5	ND(25)	ND	ND	**1.4**	ND(2.5)	ND	24	ND(2.5)	28	ND	**290**	ND(5)	ND	ND(63)	5.2	ND(25)	19	ND(25)	**170**	35	42	ND	4
	6/1/2012		8	26.9	ND(5)	ND	ND	ND(5)	ND	ND	ND(3)	ND(5)	ND	12.7	ND(5)	15.7	ND	**235**	ND(1)0	ND	**159**	ND(1)0	ND(5)	11.9	ND(5)	**112**	21.9	57.5	ND	ND(5)
	8/1/2012		20.3	14.4	1.1	2.3	1.4	ND(1)	ND	1	**0.43**	ND(1)	ND	4.2	ND(1)	11.6	ND	**259**	ND(4)	ND	ND(25)	2.8	ND(1)	3	2.4	**208**	14.7	**255**	ND	3.1
	11/1/2012		2.4	11.9	ND(1)	ND	1.2	ND(1)	ND	ND	ND(0.25)	ND(1)	ND	ND(2)	ND(1)	4	ND	**152**	ND(4)	ND	ND(25)	2.3	ND(1)	ND(1)	ND(1)	**5.1**	3	ND(1)	ND	1.1
	8/26/2013		30	20	ND(1)	ND	1	ND(1)	ND	1	ND(0.25)	ND(1)	ND	8.0	ND(1)	10	ND	**200**	ND(4)	ND	**50**	2	ND(1)	4	3	**400**	10	**700**	ND	5
	11/4/2013		3.3	10.1	ND(1)	ND	ND	ND(1)	ND	ND	ND(0.25)	ND(1)	**6.7**	ND(2)	ND(1)	2.3	ND	**279**	ND(4)	ND	ND(25)	3.5	ND(1)	ND(1)	ND(1)	**3.5**	ND(2)	ND(1)	ND	1.8
	6/10/2014		3	20	ND(1)	ND	2	ND(1)	ND	1	**0.41**	ND(1)	ND	10	ND(1)	9	ND	**100**	ND(4)	ND	ND(20)	2	ND(1)	3	ND(1)	**200**	10	**80**	ND	3
	8/19/2014		4	9	ND(1)	ND	1	ND(1)	ND	ND	**0.4**	ND(1)	ND	ND(2)	ND(1)	5	ND	**100**	ND(4)	ND	ND(20)	3	ND(1)	ND(1)	ND(1)	**60**	ND(3)	30	ND	2
	11/10/2014		4	10	ND(1)	ND	ND	ND(1)	ND	ND	**0.6**	ND(1)	ND	ND(2)	ND(1)	3	ND	**200**	ND(4)	ND	ND(20)	4	ND(1)	ND(1)	4.0	**30**	ND(3)	30	ND	1
GZ-3L	6/15/2015		4	10	ND(1)	ND	1	ND(1)	ND	ND	**1.6**	ND(1)	ND	7.0	ND(1)	7	ND	**100**	ND(4)	ND	ND(20)	3	ND(1)	1	ND(1)	**80**	7	60	ND	2
	8/24/2015		ND(1)	ND(1)00	ND(1)	ND	ND	ND(1)	ND	ND	**0.35**	ND(1)	ND	ND(2)	ND(1)	ND(1)	ND	**100**	ND(4)	ND	ND(250)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)00	ND(3)	ND(1)	ND	ND(1)
	11/17/2015		3.2	9.2	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(2)	ND(1)	1.7	ND(1)	**224**	ND(4)	ND(1)	38.9	3.9	ND(1)	ND(1)	ND(1)	**21.4**	ND(2)	15.6	ND(1)	1.1
	6/20/2016		2	7	ND(1)	ND(1)	1	ND(1)	ND(1)	ND(1)	ND(0.25)	ND(1)	ND(1)	8	ND(1)	6	ND(1)	**200**	ND(4)	ND(1)	ND(20)	4	ND(1)	ND(1)	ND(1)	**60**	5	20	ND(1)	1
	11/11/2016		2	6	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(2)	ND(1)	1	ND(1)	**200**	ND(4)	ND(1)	ND(20)	5	ND(1)	ND(1)	ND(1)	**10**	ND(3)	9	ND(1)	ND(1)
	6/13/2017		ND(1)	42.2	ND(1)	3.7	5	ND(1)	ND(1)	2.8	**0.39**	1.1	**2.6**	64.8	ND(1)	47.4	ND(1)	**107**	ND(4)	1.4	ND(25)	2	ND(1)	3.6	ND(1)	**149**	107	26.8	ND(1)	5
	11/20/2017		2.5	7.2	ND(1)	ND(1)	1.5	ND(1)	ND(1)	1.1	--	ND(1)	ND(1)	7.1	ND(1)	9.8	ND(1)	**173**	ND(4)	ND(1)	ND(25)	5.6	ND(1)	ND(1)	ND(1)	**18.3**	ND(2)	16.6	ND(1)	1
	6/26/2018		0.5	8.2	ND(1)	2.7	3.8	ND(1)	0.52	2.3	**0.95**	0.8	ND(2)	47.4	ND(1)	36	**0.63**	**148**	ND(10)	ND(5)	ND(10)	4	ND(1)	1.7	0.66	**50**	50	36.4	0.78	1.5
	11/13/2018		ND(0.5)	12	ND(0.5)	2.8	2.7	ND(0.5)	ND(2.5)	ND(2.5)	ND(250)	0.73	ND(5)	59	ND(0.75)	32	ND(0.5)	**87**	ND(3)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	2.1	ND(0.5)	**51**	89	13	0.62	ND(0.75)
	6/25/2019	ND(0.5)	1.2	25	ND(0.5)	10	8	ND(0.5)	2.6	5	**0.662**	2.1	ND(5)	130	ND(0.75)	110	1.5	**96**	ND(3)	7.4	ND(10)	2	ND(0.5)	35	0.6	**160**	320	**83**	2.2	1.4
	6/25/2019[DUP]	--	--	--	--	--	--	--	--	--	**0.783**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/12/2019	ND(0.5)	ND(0.5)	12	ND(0.5)	4.6	4.6	ND(0.5)	ND(2.5)	2.9	ND(250)	1.1	ND(5)	72	ND(0.75)	61	0.89	**75**	ND(3)	ND(2.5)	12	ND(2)	ND(0.5)	2.3	ND(0.5)	**5.6**	33	2	1.2	ND(0.75)

TABLE 5B
SUMMARY OF GROUNDWATER VOC ANALYTICAL DATA - LOWER HYDROGEOLOGIC UNIT
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Well ID	Sample Date	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichlorobenzene	1,2-Dichloroethane	1,3,5-Trimethylbenzene	1,4-Dichlorobenzene	1,4-Dioxane	Benzene	Carbon disulfide	Chloroethane	Chloroform	Ethylbenzene	Isopropylbenzene	Methyl tert butyl ether (MTBE)	Methylene Chloride	Naphthalene	tert-Butyl Alcohol (TBA)	Tert-Amyl Methyl Ether (TAME)	Tetrachloroethene	Toluene	Trichloroethene	Vinyl chloride	Total Xylenes	cis-1,2-Dichloroethene	n-Propylbenzene	trans-1,2-Dichloroethene
NHDES AGQS		70	200	81	7	330	600	5	330	75	0.32	5	70	NS	70	700	800	13	5	100	40	140	5	1,000	5	2	10,000	70	260	100
AOI #1 - Former WWTF Area																														
	8/1/2010		100	50	**20**	ND	ND	ND(20)	ND	ND	--	ND(20)	ND	ND(100)	ND(20)	ND(20)	ND	ND	ND(100)	ND	ND	ND	ND(20)	ND(20)	**1,600**	**280**	ND(20)	**2,900**	ND	30
	11/1/2010		130	80	ND(50)	ND	ND	ND(50)	ND	ND	--	ND(50)	ND	ND(300)	ND(50)	ND(50)	ND	ND	ND(300)	ND	ND	ND	ND(50)	ND(50)	**1,700**	**700**	ND(50)	**4,600**	ND	ND(50)
GZ-3B	8/1/2010		ND(2)	5	ND(1)	ND	ND	ND(2)	ND	ND	**2**	ND(1)	ND	6	ND(2)	ND(1)	ND	ND(5)	ND(5)	ND	ND(30)	ND(5)	ND(2)	ND(1)	ND(2)	ND(2)	ND(1)	ND(2)	ND	ND(2)
	11/12/2011		ND(1)	3.7	ND(1)	ND	ND	ND(1)	ND	ND	--	ND(1)	ND	2	ND(1)	ND(1)	ND	ND(1)	ND(2)	ND	**73**	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1.5)	ND(1)	ND	ND(1)
	11/1/2012		ND(1)	3.2	ND(1)	ND	ND	ND(1)	ND	ND	--	ND(1)	ND	ND(2)	ND(1)	ND(1)	ND	ND(1)	ND(4)	ND	ND(25)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND	ND(1)
	11/4/2013		ND(1)	3.1	ND(1)	ND	ND	ND(1)	ND	ND	--	ND(1)	ND	2.9	ND(1)	ND(1)	ND	1.1	ND(4)	ND	ND(25)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND	ND(1)
	11/10/2014		ND(1)	3	ND(1)	ND	ND	ND(1)	ND	ND	--	ND(1)	60	4	ND(1)	ND(1)	ND	2.0	ND(4)	ND	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	60	ND(1)
	11/17/2015		ND(1)	3	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	2.7	ND(1)	ND(1)	ND(1)	3.2	ND(4)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)
	6/20/2016		--	--	--	--	--	--	--	--	**1.2**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/11/2016		ND(1)	2	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	3	ND(4)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(1)	ND(1)
	6/13/2017		--	--	--	--	--	--	--	--	**0.94**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/20/2017		ND(1)	2.2	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	3	ND(4)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)
	6/26/2018		--	--	--	--	--	--	--	--	**1.2**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/13/2018		ND(0.5)	2.3	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(250)	ND(0.5)	ND(5)	1.6	ND(0.75)	ND(0.5)	ND(0.5)	3.1	ND(3)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.75)
	6/25/2019	--	--	--	--	--	--	--	--	--	**1.38**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/12/2019	ND(0.5)	ND(0.5)	1	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(250)	ND(0.5)	ND(5)	2.4	ND(0.75)	ND(0.5)	ND(0.5)	3.7	ND(3)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.75)
GZ-401L	8/5/2019	ND(0.5)	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(250)	ND(0.5)	ND(5)	ND(1)	ND(0.75)	ND(0.5)	ND(0.5)	220	ND(3)	ND(2.5)	ND(10)	10	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.75)
AOI #4 - Undeveloped Upland Area																														
GZ-407L	8/7/2019	ND(0.5)	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(250)	ND(0.5)	ND(5)	ND(1)	ND(0.75)	ND(0.5)	ND(0.5)	2.5	ND(3)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.75)
AOI #5 - Wetland and River Area																														
GZ-4L	8/5/2019	ND(1)	ND(1)	ND(1.5)	ND(1)	ND(5)	ND(5)	ND(1)	ND(5)	ND(5)	ND(500)	ND(1)	ND(10)	ND(2)	ND(1.5)	ND(1)	ND(1)	260	ND(6)	ND(5)	ND(20)	ND(10)	ND(1)	ND(1.5)	ND(1)	**4.2**	ND(2)	3.7	ND(1)	ND(1.5)
GZ-403L	11/17/2015		ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	**32.4**	ND(4)	ND(1)	**201**	ND(1)	ND(1)	ND(1)	ND(1)	1.4	ND(2)	ND(1)	ND(1)	ND(1)
	11/11/2016		ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	**20**	ND(4)	ND(1)	**200**	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(3)	1	ND(1)	ND(1)
	11/20/2017		ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	12.4	ND(4)	ND(1)	**168**	ND(1)	ND(1)	ND(1)	ND(1)	1.6	ND(2)	ND(1)	ND(1)	ND(1)
	11/14/2018		ND(0.5)	**0.91**	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(250)	ND(0.5)	ND(5)	ND(1)	ND(0.75)	ND(0.5)	ND(0.5)	**21**	ND(3)	ND(2.5)	**310**	ND(2)	ND(0.5)	ND(0.75)	0.53	**2.3**	ND(1)	1.4	ND(0.5)	ND(0.75)
	11/12/2019	ND(0.5)	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(250)	ND(0.5)	ND(5)	ND(1)	ND(0.75)	ND(0.5)	ND(0.5)	**50**	ND(3)	ND(2.5)	**110**	2.2	ND(0.5)	ND(0.75)	0.72	**6.2**	ND(1)	1.8	ND(0.5)	ND(0.75)
GZ-701L	6/10/2014		ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	--	ND(1)	ND	ND(2)	ND(1)	ND(1)	ND	**300**	ND(4)	ND	**80**	9	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND	ND(1)
	11/10/2014		ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	--	ND(1)	ND	ND(2)	ND(1)	ND(1)	ND	**400**	ND(4)	ND	**200**	9	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND	ND(1)
	11/17/2015		ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	**532**	ND(4)	ND(1)	**138**	11.1	ND(1)	ND(1)	ND(1)		ND(2)	ND(1)	ND(1)	ND(1)
	11/11/2016		ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	**300**	ND(4)	ND(1)	**50.6**	10.3	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(1)	ND(1)
	11/20/2017		ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	**224**	ND(4)	ND(1)	**43.3**	8.9	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	**1.1**	ND(1)	ND(1)
	11/14/2018		ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(250)	ND(0.5)	ND(5)	ND(1)	ND(0.75)	ND(0.5)	ND(0.5)	**83**	ND(3)	ND(2.5)	**200**	3.5	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.75)
	11/12/2019	ND(0.5)	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(250)	ND(0.5)	ND(5)	ND(1)	ND(0.75)	ND(0.5)	ND(0.5)	**88**	ND(3)	ND(2.5)	36	ND(3).8	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.75)
GZ-901L	6/10/2014		ND(1)	5	6	ND	ND	ND(1)	ND	ND	--	ND(1)	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND(4)	ND	ND	ND	1	ND(1)	**500**	**5**	ND(3)	**400**	ND	2
	11/10/2014		ND(1)	4	5	ND	ND	ND(1)	ND	ND	--	ND(1)	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND(4)	ND	ND	ND	ND(1)	ND(1)	**500**	**7.0**	ND(3)	**500**	ND	2
	11/17/2015		1.3	4.6	4.8	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(4)	ND(1)	ND(25)	ND(1)	1.1	ND(1)	**613**	**6.6**	ND(2)	**342**	ND(1)	1.7
	11/11/2016		ND(1)	3	3	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(4)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	**400**	**4**	ND(3)	**300**	ND(1)	1
	11/21/2017		1.2	3.9	3.2	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(4)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	**334**	**4.7**	ND(2)	**264**	ND(1)	1.3
	11/15/2018		2	4.7	3	ND(6.2)	ND(6.2)	ND(1.2)	ND(6.2)	ND(6.2)	ND(620)	ND(1.2)	ND(12)	ND(2.5)	ND(1.9)	ND(1.2)	ND(1.2)	ND(2.5)	ND(7.5)	ND(6.2)	ND(25)	ND(5)	ND(1.2)	ND(1.9)	**380**	**4**	ND(2.5)	**260**	ND(1.2)	ND(1.9)
	11/15/2019	ND(1)	ND(1)	3.7	2.7	ND(5)	ND(5)	ND(1)	ND(5)	ND(5)	ND(500)	ND(1)	ND(10)	ND(2)	ND(1.5)	ND(1)	ND(1)	ND(2)	ND(6)	ND(5)	ND(20)	ND(4)	ND(1)	ND(1.5)	**230**	**4.1**	ND(2)	**220**	ND(1)	1.7
GZ-902L	6/10/2014		ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	--	ND(1)	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND(4)	ND	ND	ND	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND	ND(1)
	11/10/2014		ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	--	ND(1)	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND(4)	ND	ND	ND	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND	ND(1)
	11/17/2015		ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(4)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)
	11/11/2016		ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(4)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(1)	ND(1)
	11/21/2017		ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(4)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)
	11/14/2018		ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(250)	ND(0.5)	ND(5)	ND(1)	ND(0.75)	ND(0.5)	ND(0.5)	ND(1)	ND(3)	ND(2.5)	ND(1)0	ND(2)	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.75)
	11/15/2019	ND(0.5)	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(250)	ND(0.5)	ND(5)	ND(1)	ND(0.75)	ND(0.5)	ND(0.5)	ND(1)	ND(3)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.75)
GZ-902M	6/10/2014		ND(100)	ND(100)	ND(100)	ND	ND	ND(100)	ND	ND	--	ND(100)	ND	ND(2)00	ND(100)	ND(100)	ND	ND	ND(400)	ND	ND	ND	ND(100)	ND(100)	**600**	ND(100)	ND(300)	**1,400**	ND	ND(100)
	11/10/2014		1	10	6	ND	ND	ND(1)	ND	ND	--	ND(1)	ND	2	ND(1)	ND(1)	ND	ND	ND(4)	ND	ND	ND	ND(1)	ND(1)	**300**	**9**	ND(3)	**700**	ND	3
	11/17/2015		ND(1)	4	2	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(4)	ND(1)	ND(2)5	ND(1)	ND(1)	ND(1)	**98.7**	**3**	ND(2)	**247**	ND(1)	1.1
	11/11/2016		ND(1)	2	1	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(4)	ND(1)	ND(2)0	ND(1)	ND(1)	ND(1)	**70**	**2**	ND(3)	**200**	ND(1)	ND(1)
	11/21/2017		ND(1)	4.3	2.7	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(4)	ND(1)	ND(2)5	ND(1)	ND(1)	ND(1)	**92.6**	**3.9**	ND(2)	**295**	ND(1)	1.2
	11/14/2018		ND(0.5)	1.4	0.78	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(250)	ND(0.5)	ND(5)	ND(1)	ND(0.75)	ND(0.5)	ND(0.5)	ND(1)	ND(3)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	**38**	ND(1)	ND(1)	**94**	ND(0.5)	ND(0.75)
	11/15/2019	ND(0.5)	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(250)	ND(0.5)	ND(5)	ND(1)	ND(0.75)	ND(0.5)	ND(0.5)	ND(1)	ND(3)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	**12**	ND(1)	ND(1)	34	ND(0.5)	ND(0.75)

TABLE 5B
SUMMARY OF GROUNDWATER VOC ANALYTICAL DATA - LOWER HYDROGEOLOGIC UNIT
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Well ID	Sample Date	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichlorobenzene	1,2-Dichloroethane	1,3,5-Trimethylbenzene	1,4-Dichlorobenzene	1,4-Dioxane	Benzene	Carbon disulfide	Chloroethane	Chloroform	Ethylbenzene	Isopropylbenzene	Methyl tert butyl ether (MTBE)	Methylene Chloride	Naphthalene	tert-Butyl Alcohol (TBA)	Tert-Amyl Methyl Ether (TAME)	Tetrachloroethene	Toluene	Trichloroethene	Vinyl chloride	Total Xylenes	cis-1,2-Dichloroethene	n-Propylbenzene	trans-1,2-Dichloroethene
NHDES AGQS		70	200	81	7	330	600	5	330	75	0.32	5	70	NS	70	700	800	13	5	100	40	140	5	1,000	5	2	10,000	70	260	100
AOI #1 - Former WWTF Area																														
	8/1/2010		100	50	**20**	ND	ND	ND(20)	ND	ND	--	ND(20)	ND	ND(100)	ND(20)	ND(20)	ND	ND	ND(100)	ND	ND	ND	ND(20)	ND(20)	**1,600**	**280**	ND(20)	**2,900**	ND	30
	11/1/2010		130	80	ND(50)	ND	ND	ND(50)	ND	ND	--	ND(50)	ND	ND(300)	ND(50)	ND(50)	ND	ND	ND(300)	ND	ND	ND	ND(50)	ND(50)	**1,700**	**700**	ND(50)	**4,600**	ND	ND(50)
MW-1D	8/1/2010		ND(20)	**220**	ND(20)	ND	ND	ND(20)	ND	ND	--	ND(20)	ND	400	ND(20)	40	ND	ND	ND(100)	ND	ND	ND	ND(20)	250	ND(20)	**1,800**	180	**1,900**	ND	ND(20)
	11/1/2010		ND(20)	**310**	ND(20)	ND	ND	ND(20)	ND	ND	--	ND(20)	ND	500	ND(20)	70	ND	ND	ND(100)	ND	ND	ND	ND(20)	420	ND(20)	**1,100**	300	**970**	ND	ND(20)
	8/1/2011		ND(1)	**130**	ND(1)	7.4	1.9	2.5	2.2	2.4	--	**12**	ND	250	ND(1)	37	1.2	**15**	2.4	ND	ND	ND	ND(1)	180	ND(1)	**62**	144	55	1.6	ND(1).0
	6/1/2012		ND(2.5)	**132**	ND(2.5)	9	ND	ND(25)	2.7	2.6	--	**11.2**	ND	289	ND(2.5)	50.6	ND	ND	ND(5)	ND	ND	ND	ND(25)	202	ND(2.5)	**278**	182	**144**	ND	ND(2.5)
	8/1/2012		ND(1)	**115**	ND(1)	7.1	1.3	1.6	1.9	2.1	--	**10.4**	ND	256	ND(1)	46.6	1	3.1	ND(4)	ND	ND	ND	ND(1)	216	ND(1)	**69.2**	161	36	1.5	ND(1).0
	11/1/2012		ND(1)	69.5	ND(1)	5.8	1.4	1.6	2	2	--	**7.9**	ND	203	ND(1)	40.3	ND	5	ND(4)	ND	ND	ND	ND(1)	121	ND(1)	**3**	132	2.3	1.4	ND(1).0
	8/26/2013		ND(1)	**100**	ND(1)	7	2	2	2	2	--	**10**	ND	200	ND(1)	50	1	**20**	ND(4)	ND	ND	ND	ND(1)	200	ND(1)	**30**	200	10	2	ND(1)
	11/4/2013		ND(1)	**81.4**	ND(1)	6.2	1.1	1.6	1.8	1.8	--	**10.5**	ND	245	ND(1)	42.3	1	ND	ND(4)	ND	ND	ND	ND(1)	123	ND(1)	**1.2**	100	ND(1)	1.4	ND(1)
	6/10/2014		ND(1)	80	ND(1)	6	1	1	2	2	--	**9**	ND	ND(200)	ND(1)	40	ND	ND	ND(4)	ND	ND	ND	ND(1)	100	ND(1)	**200**	100	**100**	1	ND(1)
	8/19/2014		ND(1)	**90**	ND(1)	8	1	1	2	2	--	**10**	ND	200	ND(1)	40	ND	10	ND(4)	1	ND	ND	ND(1)	90	ND(1)	**200**	100	**100**	2	ND(1)
	11/10/2014		ND(1)	40	ND(1)	5	ND	1	2	2	--	**7**	ND	200	ND(1)	30	ND	9	ND(4)	ND	ND	ND	ND(1)	40	ND(1)	ND(1)	100	2	1	ND(1)
	6/15/2015		ND(10)	**100**	ND(10)	ND	ND	ND(10)	ND	ND	--	ND(10)	ND	100	ND(10)	40	ND	**20**	ND(20)	ND	ND	ND	ND(10)	100	ND(10)	**500**	100	**400**	ND	ND(10)
	8/24/2015		ND(10)	**200**	2	5	1	2	2	2	--	**10**	ND	300	ND(10)	60	ND	10	ND(20)	ND	ND(20)	ND(1)	ND(10)	100	1	**1,000**	200	**600**	1	1
	11/17/2015		ND(1)	**100**	2	4.2	1	1.2	1.3	1.7	--	**6.7**	ND(1)	97.4	ND(1)	39.6	ND(1)	**14.3**	ND(4)	ND(1)	ND(25)	ND(1)	ND(1)	85.2	3.4	**839**	81.6	**593**	ND(1)	1.1
	11/11/2016		ND(1)	**80**	1	3	ND(1)	ND(1)	ND(1)	1	--	4	ND(1)	60	ND(1)	20.8	ND(1)	10	ND(4)	ND(1)	ND(20)	ND(1)	ND(1)	20	ND(1)	**700**	20	**400**	ND(1)	ND(1)
	11/17/2017		ND(1)	**162**	**14.2**	5.2	1.1	1.1	1.4	1.9	--	**6.7**	ND(1)	87.4	ND(1)	33.5	ND(1)	8.3	ND(4)	ND(1)	ND(25)	ND(1)	ND(1)	82.2	3.3	**2,820**	36.4	**3,750**	1.2	1.6
	11/13/2018		ND(25)	**250**	ND(25)	ND(120)	ND(120)	ND(25)	ND(120)	ND(120)	ND(12,000)	ND(25)	ND(250)	160	ND(38)	48	ND(25)	ND(50)	ND(150)	ND(120)	ND(500)	ND(100)	ND(25)	140	ND(25)	**4,500**	ND(50)	**6,300**	ND(25)	ND(38)
	11/14/2019	ND(25)	ND(25)	**180**	**27**	ND(120)	ND(120)	ND(25)	ND(120)	ND(120)	ND(12,000)	ND(25)	ND(250)	110	ND(38)	26	ND(25)	ND(50)	ND(150)	ND(120)	ND(500)	ND(100)	ND(25)	87	ND(25)	**3,600**	ND(50)	**4,800**	ND(25)	ND(38)
AOI #7 - Downgradient Area																														
GZ-10L	6/10/2014		ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	--	ND(1)	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND(4)	ND	ND	ND	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND	ND(1)
	8/19/2014		ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	--	ND(1)	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND(4)	ND	ND	ND	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND	ND(1)
	11/10/2014		ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	--	ND(1)	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND(4)	ND	ND	ND	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND	ND(1)
	11/17/2015		ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(4)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)
	6/20/2016		ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)	--	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(4)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(1)	ND(1)
	11/11/2016		ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(4)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(1)	ND(1)
	6/14/2017		ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(4)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)
	11/21/2017		ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(4)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)
	6/26/2018		ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(2)	ND(1)	ND(130)	ND(0.5)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(5)	ND(10)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)
GZ-10LR	6/27/2019	ND(0.5)	ND(0.5)	0.8	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(250)	ND(0.5)	ND(5)	ND(1)	ND(0.75)	ND(0.5)	ND(0.5)	4.2	ND(3)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	7.3	ND(0.5)	ND(0.75)
	11/11/2019	ND(0.5)	ND(0.5)	5.7	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(250)	ND(0.5)	ND(5)	3	ND(0.75)	ND(0.5)	ND(0.5)	**26**	ND(3)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	2.2	ND(1)	ND(1)	60	ND(0.5)	0.87
GZ-905L	11/10/2014		ND(1)	ND(1)	ND(1)	ND	ND	ND(1)	ND	ND	--	ND(1)	ND	ND(2)	ND(1)	ND(1)	ND	ND	ND(4)	ND	ND	ND	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND	ND(1)
	11/17/2015		ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(4)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)
	6/20/2016		ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(4)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	2	ND(1)	ND(3)	1	ND(1)	ND(1)
	11/11/2016		ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(4)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	1	ND(1)	ND(3)	ND(1)	ND(1)	ND(1)
	6/14/2017		ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(4)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	2.6	ND(1)	ND(2)	1.6	ND(1)	ND(1)
	11/21/2017		ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(4)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	1.6	ND(1)	ND(2)	1.1	ND(1)	ND(1)
	6/26/2018		ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	ND(2)	ND(1)	ND(130)	ND(0.5)	ND(2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(5)	ND(10)	ND(2)	1.3	ND(1)	ND(1)	ND(1)	ND(1)	0.62	ND(2)	ND(1)
	11/15/2018		ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(250)	ND(0.5)	ND(5)	ND(1)	ND(0.75)	ND(0.5)	ND(0.5)	ND(1)	ND(3)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	0.77	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.75)
	6/26/2019	ND(0.5)	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(250)	ND(0.5)	ND(5)	ND(1)	ND(0.75)	ND(0.5)	ND(0.5)	ND(1)	ND(3)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.75)
	11/11/2019	ND(0.5)	ND(0.5)	ND(0.75)	ND(0.5)	ND(2.5)	ND(2.5)	ND(0.5)	ND(2.5)	ND(2.5)	ND(250)	ND(0.5)	ND(5)	ND(1)	ND(0.75)	ND(0.5)	ND(0.5)	ND(1)	ND(3)	ND(2.5)	ND(10)	ND(2)	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	ND(0.5)	ND(0.5)	ND(0.75)

Notes:
1. Only detected compounds are shown.
2. Results are reported in micrograms per liter (µg/L).
3 ND indicates the constiuent was not detected above the laboratory reporting limit, shown.
4. **BOLD** concentrations exceed the applicable New Hampshire Department of Environmental Services (NHDES) Ambient Groundwater Quality Standard (AGQS).
5. NS = no standard; -- indicates a parameter was not analyzed or data are not available.
6. "E" indicates a constituent was detected above the calibration range and reported as as estimated value.
7. 1,4-Dioxane reported using USEPA Method 8270 with selected-ion monitoring (SIM), if analyzed.

TABLE 6
SUMMARY OF SURFACE WATER ANALYTICAL DATA
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Sample Identification	Sample Date	1,1,1-Trichloroethane	Methyl tert butyl ether (MTBE)	Tetrachloroethene	Trichloroethene	Vinyl chloride	cis-1,2-Dichloroethene
NHDES AGQS		200	13	5	5	2	70
NHDES WQCTS		1	NS	0.8	2.7	2	NS
SG-902	11/17/2015	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
	11/11/2016	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
	11/21/2017	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
	11/14/2018	ND(0.5)	ND(1)	ND(0.5)	ND(0.5)	ND(1)	ND(0.5)
	11/15/2019	ND(0.5)	ND(1)	ND(0.5)	0.76	ND(1)	0.57
SW-1	8/1/2010	ND(2)	ND(5)	ND(2)	ND(2)	ND(2)	ND(2)
	11/1/2010	ND(2)	ND(5)	ND(2)	ND(2)	ND(2)	ND(2)
	8/1/2011	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
	11/12/2011	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
	6/1/2012	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
	8/12/2012	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
	11/1/2012	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
	8/26/2013	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
	11/4/2013	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
	6/10/2014	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
	8/19/2014	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
	11/10/2014	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
	6/15/2015	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
	8/24/2015	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
	11/17/2015	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
	11/11/2016	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
	11/21/2017	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
	11/14/2018	ND(0.5)	ND(1)	ND(0.5)	ND(0.5)	ND(1)	ND(0.5)
	11/15/2019	ND(0.5)	ND(1)	ND(0.5)	0.68	ND(1)	ND(0.5)
SW-2	8/1/2010	ND(2)	ND(5)	ND(2)	ND(2)	ND(2)	4
	11/1/2010	ND(2)	ND(5)	ND(2)	ND(2)	ND(2)	ND(2)
	8/1/2011	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
	11/12/2011	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
	6/1/2012	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
	8/12/2012	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
	11/1/2012	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
	8/26/2013	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
	11/4/2013	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
	6/10/2014	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	1
	8/19/2014	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
	11/10/2014	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	1
	6/15/2015	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
	8/24/2015	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
	11/17/2015	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	2
	11/11/2016	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	2
	11/20/2017	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
	11/14/2018	ND(0.5)	ND(1)	ND(0.5)	ND(0.5)	ND(1)	ND(0.5)
	11/12/2019	ND(0.5)	ND(1)	ND(0.5)	ND(0.5)	ND(1)	0.9

Notes:
1. mg/kg = milligrams per kilogram.
2. ND(x) indicates analyte was not detected above the quantitation limit noted in parentheses.
3. -- = not analyzed or results not available.
4. NS = no standard available.
5. New Hampshire Department of Environmental Services (NHDES) Ambient Groundwater Quality Standards (AGQS) and Water Quality Criteria for Toxic Substances (WQCTS) are shown for comparison purposes.

TABLE 7
SUMMARY OF PORE WATER DENSE NON-AQUEOUS PHASE LIQUID CALCULATIONS
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

SAMPLE I.D.	SAMPLE DATE	SAMPLE DEPTH (FT)	DEPTH TO SAMPLE TOP (FT)	DEPTH TO SAMPLE BOTTOM (FT)	AVERAGE DEPTH OF SAMPLE (FT)	TCE CONC (mg/L)	SAMPLE LITHOLOGY	SAMPLE HYDRO-GEOLOGIC UNIT	CALC TCE CONC IN POREWATER (mg/L)	PERCENT OF TCE SOLUBILITY LIMIT (1,075 mg/L)
MIP-4	6/16/2016	8.8			#DIV/0!	**5,570**	Sand	Upper Unit	**23,604**	2195.8%
MIP-4	6/16/2016	20-21.1	20	21.1	20.55	**48.4**	Sand	Upper Unit	**205**	19.1%
MIP-19	6/16/2016	18.5-18.9	18.5	18.9	18.7	**12.1**	Sand	Upper Unit	**51**	4.8%
MIP-24	6/16/2016	7.5-7.7	7.5	7.7	7.6	**4.12**	Sand	Upper Unit	**17**	1.6%
MIP-24	6/16/2016	10.2-10.6	10.2	10.6	10.4	**299**	Sand	Upper Unit	**1,267**	117.9%
MIP-27	6/17/2016	5-6.7	5	6.7	5.85	**115**	Sand	Upper Unit	**487**	45.3%
MIP-27	6/17/2016	15-16.1	15	16.1	15.55	**1.55**	Sand	Upper Unit	**7**	0.6%
MIP-27	7/6/2016	26.2-27	26.2	27	26.6	**16.3**	Sand	Upper Unit	**69**	6.4%
MIP-29	6/17/2016	7.1-8.1	7.1	8.1	7.6	**11.7**	Sand	Upper Unit	**50**	4.6%
MIP-29	6/17/2016	12.7-13.6	12.7	13.6	13.15	**131**	Sand	Upper Unit	**555**	51.6%
MIP-29	7/6/2016	26.3-27	26.3	27	26.65	**2.35**	Sand	Upper Unit	**10**	0.9%
MIP-33	6/17/2016	5.8-6.6	5.8	6.6	6.2	**3.07**	Sand	Upper Unit	**13**	1.2%
MIP-33	6/17/2016	16-16.3	16	16.3	16.15	**49.7**	Sand	Upper Unit	**211**	19.6%
MIP-35	6/17/2016	6.8-7.4	6.8	7.4	7.1	**31,200**	Sand	Upper Unit	**132,218**	12299.4%
MIP-50	6/17/2016	3.7-4.3	3.7	4.3	4	**3.17**	Sand	Upper Unit	**13**	1.2%
MIP-50	6/17/2016	8.4-8.9	8.4	8.9	8.65	**2,230**	Sand	Upper Unit	**9,450**	879.1%
MIP-50	7/6/2016	22.8-23.1	22.8	23.1	22.95	**15.7**	Sand	Upper Unit	**67**	6.2%
GZ-601U S-3	8/22/2007	10-15	10	15	12.5	**96**	Sand	Upper Unit	**407**	37.8%
GZ-606U S-4	8/22/2007	15-20	15	20	17.5	**5.40**	Sand	Upper Unit	**23**	2.1%
GZ-609U S-4	8/21/2007	10-15	10	15	12.5	**27**	Sand	Upper Unit	**114**	10.6%
SB19-26	7/15/2019	10-12.5	10	12.5	11.25	**28**	Sand	Upper Unit	**119**	11.0%
SB19-37	7/17/2019	13-15	13	15	14	**130**	Sand	Upper Unit	**551**	51.2%
SB19-63	7/24/2019	17-19	17	19	18	**59**	Sand	Upper Unit	**250**	23.3%
MIP-17	6/16/2016	3.1	3.1		3.1	**4,540**	Sandy Silt	Upper Unit	**18,692**	1739%
MIP-17	6/16/2016	13.2-14.5	13.2	14.5	13.85	**103**	Silty Sand	Upper Unit	**424**	39%
MIP-19	6/16/2016	5-5.5	5	5.5	5.25	**2.07**	Silty Sand	Upper Unit	**9**	1%
MIP-35	6/17/2016	3.4-4	3.4	4	3.7	**10,800**	Sandy Silt	Upper Unit	**44,466**	4136%
GZ-801U	6/17/2011	15-20	15	20	17.5	**6.2**	Sand and Silt	Upper Unit	**26**	2%
GZ-802U-S	6/17/2011	5-10	5	10	7.5	**470**	Sand and Silt	Upper Unit	**1,935**	180%
GZ-802U-D	6/17/2011	20-25	20	25	22.5	**8**	Sand and Silt	Upper Unit	**34**	3%
GZ-803U	6/17/2011	15-20	15	20	17.5	**12**	Sand and Silt	Upper Unit	**49**	5%
SB19-44	7/18/2019	10-12	10	12	11	**7.6**	Silty Sand	Upper Unit	**31**	3%
SB19-48	7/19/2019	15-17	15	17	16	**76**	Silty Sand	Upper Unit	**313**	29%
SB19-50	7/22/2019	10-12.5 DUP	10	12.5	11.25	**21**	Silty Sand	Upper Unit	**86**	8%
SB19-58	7/23/2019	10-12	10	12	11	**19**	Silty Sand	Upper Unit	**78**	7%
SB19-59	7/24/2019	15-17.5	15	17.5	16.25	**11**	Silty Sand	Upper Unit	**45**	4%
SB19-60	7/24/2019	15-17.5	15	17.5	16.25	**19**	Silty Sand	Upper Unit	**78**	7%
SB19-62	7/24/2019	25-27.5	25	27.5	26.25	**12**	Silty Sand	Upper Unit	**49**	5%
SB19-64	7/25/2019	10-12.5 DUP	10	12.5	11.25	**150**	Silty Sand	Upper Unit	**618**	57%
SB19-69	7/26/2019	16.5-18.5	16.5	18.5	17.5	**2.5**	Silty Sand	Upper Unit	**10**	1%
SB19-72	7/29/2019	12.25-14.5	12.25	14.5	13.375	**3.2**	Silty Sand	Upper Unit	**13**	1%
SB19-47	7/19/2019	10-12.5	10	12.5	11.25	**76**	Silty Clay	Upper Unit	**312**	29%
MIP-4	7/5/2016	26.3-27.3	26.3	27.3	26.8	**24**	Silty Clay	Upper Unit	**99**	9.2%

NOTES:

1. Only detected concentrations (those below the laboratory reporting limit were excluded) and concentrations above approximately 1 mg/kg for TCE, and calculated values of 1 percent of the TCE solubility limit (or higher) for TCE were presented in the TCE pore water calculations in this table.
2. DUP = indicates the result from the duplicate portion of a split soil sample was used; TCE = trichloroethene; mg/L = milligrams per liter.
3. Equation used for calculation of pore water TCE concentration from United States Environmental Protection Agency Publication 9355.5-07FS, January, 1992, "Estimating Potential for Occurrence of DNAPL at Superfund Sites." $C_w = (C_t * B_d) / (K_d * B_d + n_w)$.

where:

C_w = calculated pore water concentration (mg/L);
C_t = concentration (mg/kg) of VOCs in soil (in this case, taken from TCE concentrations measured in soil samples completed during the PDI and previous Site investigations and summarized in Table 1);
B_d = bulk density for all units = 1.5 grams per cubic meter (in this case, taken from a mean of literature values in Bowles 1982);
n_w = water-filled porosity = 0.35 (obtained from literature values, including Fetter 1994); and
K_d = sorption partitioning coefficient calculated using the following equation (Fetter 1999). Value used for Sand: 2.64e-3; value for Silty Sand: 9.55e-3; and value for Silty Clay: 9.93e-3.

$$K_d = K_{oc} * F_{oc}$$

where:

K_{oc} = organic carbon partitioning coefficient for TCE = 129 L/kg (from the same three sources cited for the TCE solubility limit); and
F_{oc} = fraction of organic carbon from TOC analytical data (see below).

>100% of the TCE Solubility
50 to 100% of TCE Solubility
10 to 50% of TCE Solubility

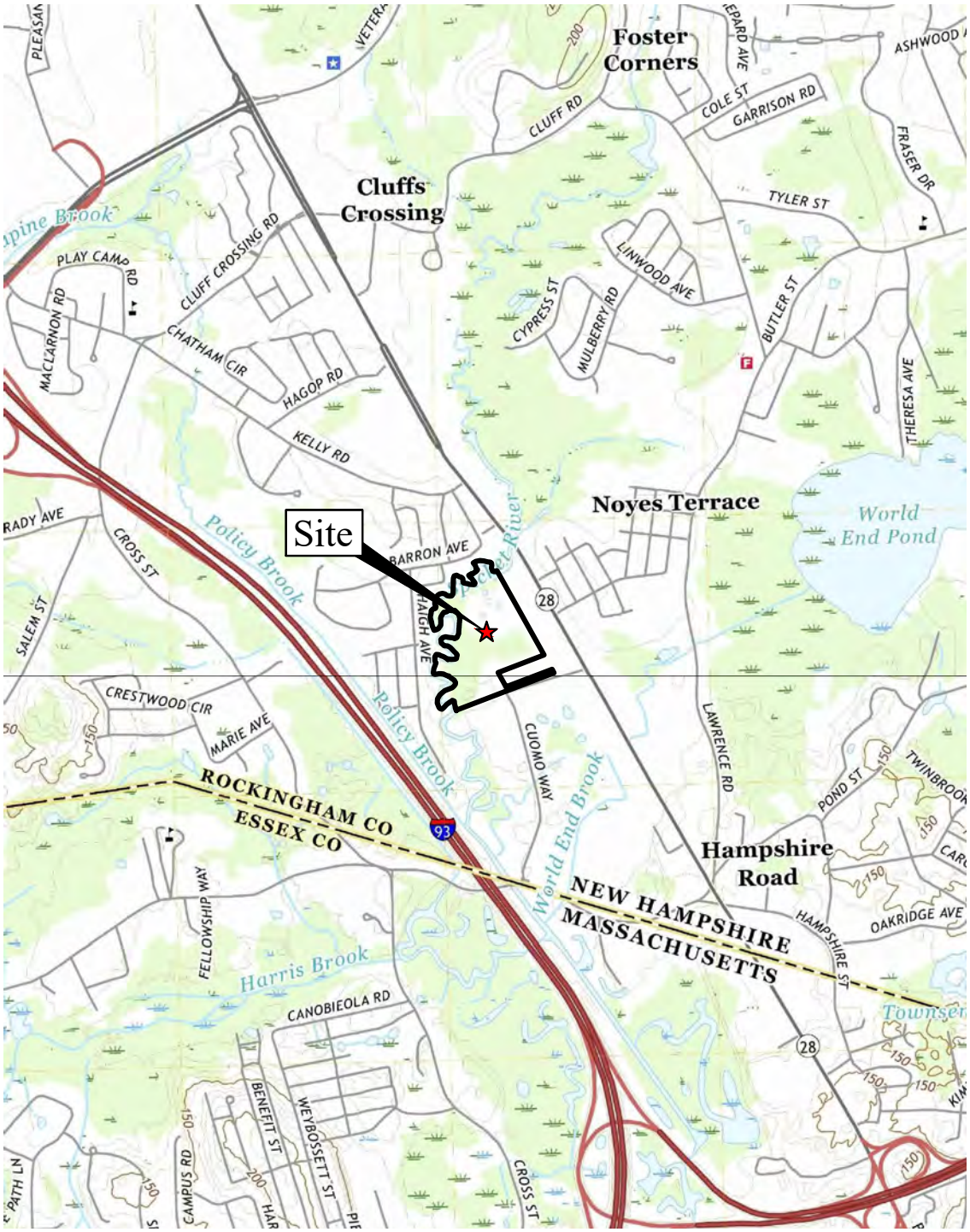
TOTAL ORGANIC CARBON DATA USED TO CALCULATE f_{oc} and K_d

SAMPLE I.D.	SAMPLE DATE	SAMPLE DEPTH (FT)	DEPTH TO SAMPLE TOP (FT)	DEPTH TO SAMPLE BOTTOM (FT)	AVERAGE DEPTH OF SAMPLE (FT)	TCE CONC (mg/L)	SAMPLE LITHOLOGY	SAMPLE HYDRO-GEOLOGIC UNIT	TOTAL ORGANIC CARBON (%)	TOTAL ORGANIC CARBON (mg/kg)	f_{oc}	K_d
SB19-73	7/29/2019	25-27	25	27	26	0.0013	Gravel	**Lower Unit**	0.014	14	1.40E-05	1.81E-03
SB19-11	7/10/2019	10-12.2	10	12.2	11.1	0	Sand	Upper Unit	0.021	21	2.10E-05	
SB19-33	7/16/2019	15-17.25	15	17.25	16.125	0	Sand	Upper Unit	0.026	26	2.60E-05	
SB19-35	7/16/2019	22.25-24.5	22.25	24.5	23.375	0.0025	Sand	Upper Unit	0.017	17	1.70E-05	
SB19-54	7/23/2019	22.5-25	22.5	25	23.75	0	Sand	Upper Unit	0.018	18	1.80E-05	
							SAND	**AVERAGE**	**0.0205**	**20.5**	2.05E-05	**2.64E-03**
SB19-28	7/15/2019	10-12	10	12	11	0.00062	**GRAVELLY SAND**	Upper Unit	0.032	32	3.20E-05	**4.13E-03**
SB19-48	7/19/2019	15-17	15	17	16	**76**	Silty Sand	Upper Unit	0.016	16	1.60E-05	
SB19-64	7/25/2019	10-12.5 DUP	10	12.5	11.25	**150**	Silty Sand	Upper Unit	0.02	20	2.00E-05	
SB19-07	7/9/2019	7-9	7	9	8	0.67	Silty Sand	Upper Unit	0.248	248	2.48E-04	
SB19-20	7/12/2019	17.5-20	17.5	20	18.75	0	Silty Sand	Upper Unit	0.012	12	1.20E-05	
							SILTY SAND	**AVERAGE**	**0.074**	**74**	7.40E-05	**9.55E-03**
SB19-07	7/9/2019	12.8-14.8	12.8	14.8	13.8	0.21	**Silty Clay**	Silty Clay	0.077	77	7.70E-05	**9.93E-03**

TABLE 8
REMEDIAL ALTERNATIVES SCREENING SUMMARY
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

TECHNOLOGY	Impacted Soil Excavation & Off-Site Disposal	In-Situ Chemical Oxidation ("ISCO" or "Chem Ox")	Thermal	
			Steam-Enhanced Extraction (SEE)	Electrical Resistivity Heating (ERH) | Thermal Conduction Heating
PROs	Physically removes DNAPL source soil and soil with NH soil standards exceedances and replaces with imported backfill (0 to 25 ft). ONE STOP remedial approach.	Effective at treating site VOCs in the dissolved-phase (see CON related to DNAPL below). Proven technology at similar sites in NH.	Considered one of the more reliable in-situ remedial technologies with a high degree of certainty for achieving remedial goals. Very effective at treating DNAPL (volatilizing and liquid recovery) and VOCs in dissolved phase. More cost-effective than ERH-Thermal at sites with large contaminant areas (>10,000 cubic yards) - the Site has >15,000 CY. Performed in-situ - no excavation or disturbance to the native soil (other than steam well and recovery well installations). Permeable site soil makes it highly compatible with the SEE approach. Active SEE remediation may be limited to less than 1 year. ONE STOP remedial approach.	Similar PROs as SEE-thermal approach, but more "aggressive" technology.
CONs	Implementation of excavation requires substantial shoring and dewatering adding cost and complexity.	ISCO (via injection) can't target impacted soil above the water table, so other (costly) methods are needed for remediation of 0-7 feet (excavation & disposal or soil mixing).	Relatively expensive capital costs compared to other remedial technologies (this CON is negated by the large area of treatment at site, which prices ISCO and excavation out as comparable options).	More expensive than SEE for the Site due to the large area targeted for remediation and the depth greater then 20 feet required for treatment.
	Significant uncertainty in disposal costs due to TCE (hazardous waste listing) and PFAS presence on-site.	DNAPL source zone requires pre-treatment with surfactant prior to ISCO (added cost).	Requires significant above ground infrastructure for approximately 1 year (negated as the Site is vacant and mostly open space).	Cost estimating is difficult without actual vendor bidding (due to existing vs. needed electrical infrastructure and power supply/timing, and costs for electrical anodes based upon depths and spacing from vendor site-specific designs).
PROs > CONs	No	No	Yes (& limited Cons)	No - unless actual costs bid for ERH or TCH, and guarantee, make it more competitive with SEE.
TIME FRAME	1 to 2 years	1 to 3 years	12 to 18 months	12 to 18 months
COST	**$7.6 to $13MM**	**$4.7 to $5.5MM**	**$4.225MM**	**$6.11MM** ($6.89MM With Guarantee)
WHY COST RANGE?	LOW = non-hazardous landfill disposal with no PFAS restrictions. HIGH = hazardous waste landfill disposal.	LOW = non-hazardous landfill disposal for 0-7 ft zone with no PFAS restrictions. HIGH = hazardous waste landfill disposal for 0-7 ft zone.	N/A	Premium for remedial contractor guarantee

FIGURES



SOURCE:

USGS SALEM DEPOT, NH TOPOGRAPHIC QUADRANGLE 2018
CONTOUR INTERVAL: 20 FEET

0 2000 4000

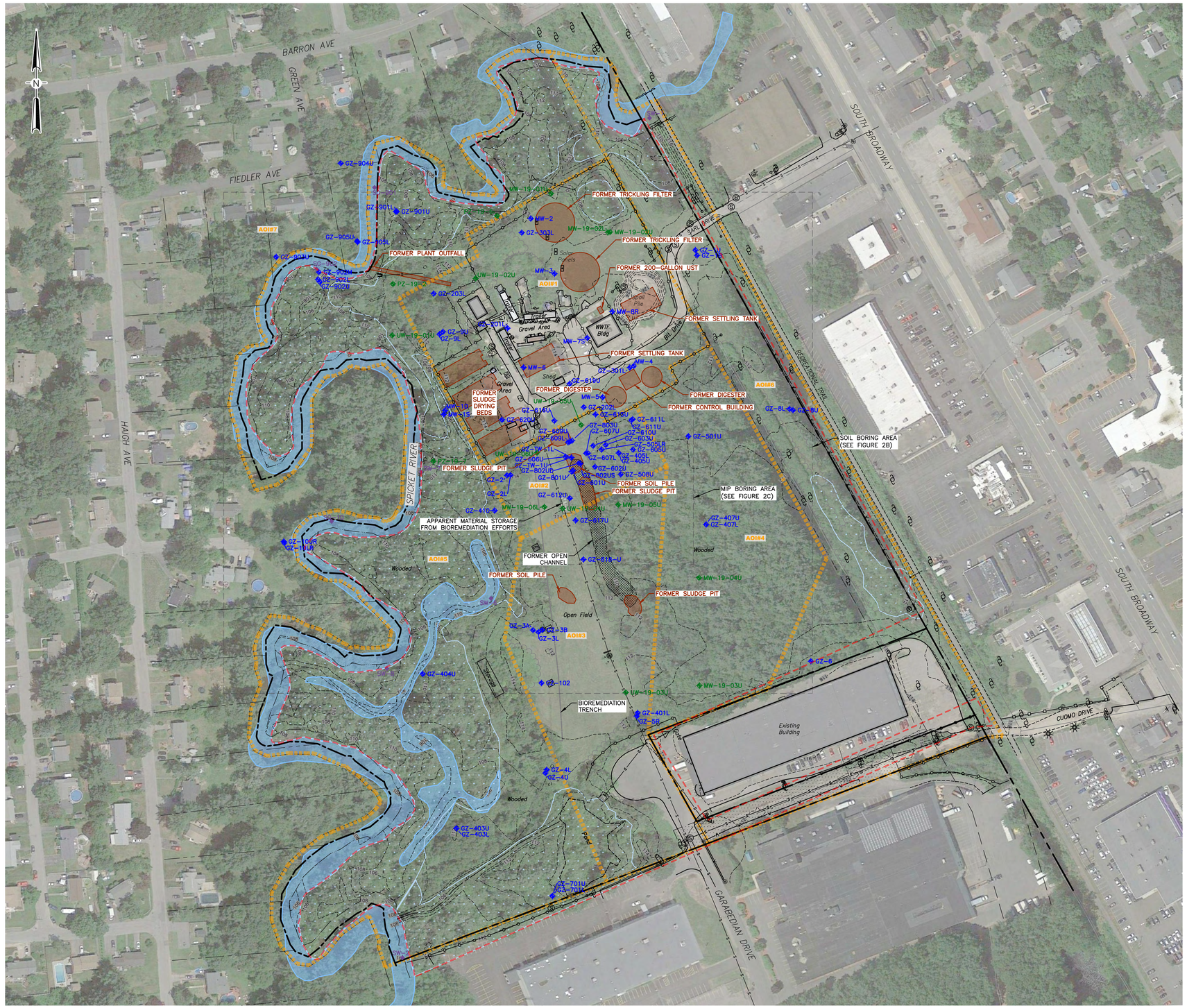
APPROX. SCALE IN FEET

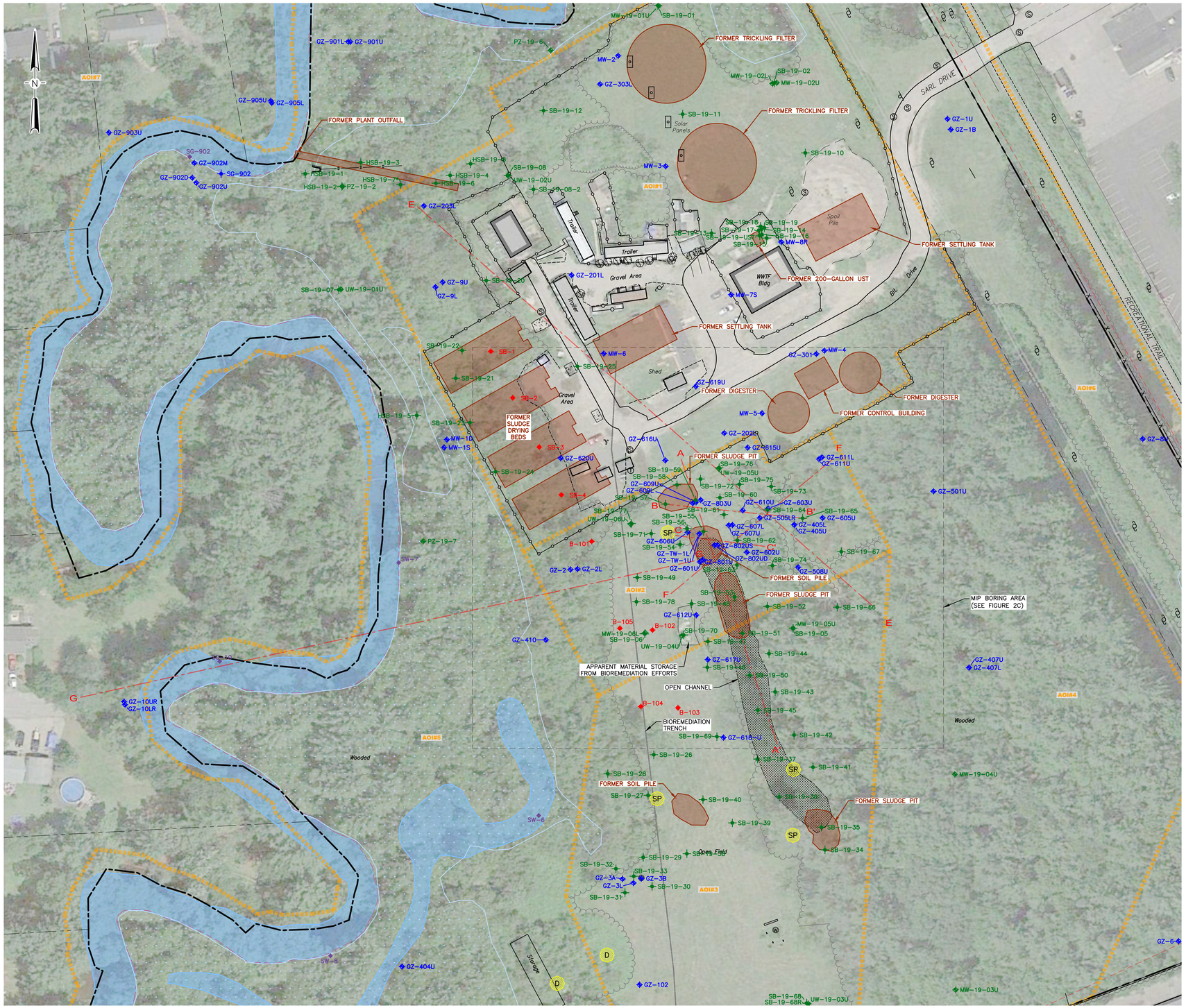
CLIENT:	TOWN OF SALEM MUNICIPAL SERVICES		
PROJECT:	346 SOUTH BROADWAY SALEM, NEW HAMPSHIRE		
TITLE:	SITE LOCUS		
DESIGNED: JEB	DRAWN: STM	CHECKED: MFD	APPROVED: MFD
SCALE: 1" = 2000'	DATE: 04/08/20	FILE NO.: 8705-LOCUS	PROJECT NO.: 8705-000

GeoInsight
Practical in Nature

FIGURE NO.: 1

PLOT DATE: 4-9-20
FILE: I:\8705\8705-LOCUS.dwg


BARRON AVE
GREEN AVE
FIEDLER AVE
HAIGH AVE
SPICKET RIVER
SOUTH BROADWAY
CARL DRIVE
RECREATIONAL TRAIL
CUOMO DRIVE
GARABEDIAN DRIVE
FORMER TRICKLING FILTER
FORMER TRICKLING FILTER
FORMER PLANT OUTFALL
FORMER 200-GALLON UST
FORMER SETTLING TANK
FORMER SETTLING TANK
FORMER DIGESTER
FORMER DIGESTER
FORMER CONTROL BUILDING
FORMER SLUDGE DRYING BEDS
FORMER SLUDGE PIT
FORMER SOIL PILE
FORMER SLUDGE PIT
FORMER OPEN CHANNEL
FORMER SOIL PILE
APPARENT MATERIAL STORAGE FROM BIOREMEDIATION EFFORTS
BIOREMEDIATION TRENCH
SOIL BORING AREA (SEE FIGURE 2B)
MIP BORING AREA (SEE FIGURE 2C)
AOI#1
AOI#2
AOI#3
AOI#4
AOI#5
AOI#6
AOI#7
WWTF Bldg
Gravel Area
Shed
Solar Panels
Asphalt Pile
Existing Building
Open Field
Wooded
Pond
Storage
Tanks
Boiler
Chlorine
Bldg Drain
Fence
Fence
Fence



LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- GROUNDWATER MANAGEMENT ZONE (GMZ)
- GZ-10U — MONITORING WELL LOCATION (PREVIOUSLY INSTALLED)
- MW-19-02U — MONITORING WELL LOCATION (INSTALLED DURING PDI)
- SB-19-15 — SOIL BORING LOCATION (INSTALLED DURING PDI) *INDICATES LOCATION IS APPROXIMATE
- B-102 — SOIL BORING LOCATION (OTHER)
- SW-8 — SURFACE WATER SAMPLE LOCATION
- SEWER MANHOLE
- DRAIN MANHOLE
- CHAIN LINK FENCE
- WIRE MESH FENCE
- SEWER LINE
- DRAIN LINE
- GAS LINE
- WATER LINE
- HYDRANT
- CATCH BASIN
- UTILITY POLE
- SP — SOIL PILE OBSERVED BY GEOINSIGHT DURING APRIL 17, 2020 SITE VISIT
- D — SOIL AND DEBRIS OBSERVED BY GEOINSIGHT DURING APRIL 17, 2020 SITE VISIT

AREA OF INVESTIGATION	NAME/DESCRIPTION
AOI#1	FORMER WWTF AREA
AOI#2	DNAPL AREA
AOI#3	OTHER POTENTIAL SOURCE AREAS
AOI#4	UNDEVELOPED UPLAND AREA
AOI#5	WETLAND AND RIVER AREA
AOI#6	UPGRADIENT AREA
AOI#7	DOWNGRADIENT AREA (OUTSIDE OF GROUNDWATER MANAGEMENT ZONE)

NOTES

1. THIS PLAN WAS BASED UPON AN OCTOBER 2018 FIGURE B1 ENTITLED "TOWN OF SALEM BOUNDARY PLAN TAX MAP 143 LOT 9478" PREPARED BY FUSS & O'NEILL OF MANCHESTER, NEW HAMPSHIRE AND A JUNE 22, 2019 GOOGLE EARTH AERIAL IMAGE. ALL SITE FEATURES ARE APPROXIMATE.
2. BORING AND MONITORING WELL LOCATIONS ARE FROM A SURVEY COMPLETED BY WSP USA, INC. DATED SEPTEMBER 17, 2019 FOR WOODARD & CURRAN AND HISTORICAL PLANS PROVIDED IN PREVIOUS REPORTS PREPARED BY OTHERS.
3. FORMER SITE FEATURES ARE BASED ON HISTORICAL PLANS PROVIDED IN PREVIOUS REPORTS PREPARED BY GZA AND WOODARD AND CURRAN.
4. CROSS-SECTIONS E,F, AND G WERE PREVIOUSLY PROVIDED IN REPORTS PREPARED BY GZA.

0 50 100
APPROX. SCALE IN FEET

PREPARED BY:

GeoInsight
186 GRANITE STREET, SUITE 3A
MANCHESTER, NEW HAMPSHIRE 03101
PH: (603) 314-0820 FAX: (603) 314-0821
ENVIRONMENTAL STRATEGY AND ENGINEERING

OWNER/APPLICANT:

TOWN OF SALEM
MUNICIPAL SERVICES
21 CROSS STREET
SALEM, NH 03079

REVISIONS	
DATE	DESCRIPTION

FORMER WASTE WATER TREATMENT FACILITY
346 SOUTH BROADWAY
SALEM, NEW HAMPSHIRE

DWG SCALE: 1" = 50'	PREPARED BY: STM
DATE ISSUED: 06/17/20	CHECKED BY: LASA
PROJECT #: 8705-000	APPROVED BY: MFD
FILE #: 8705D007	

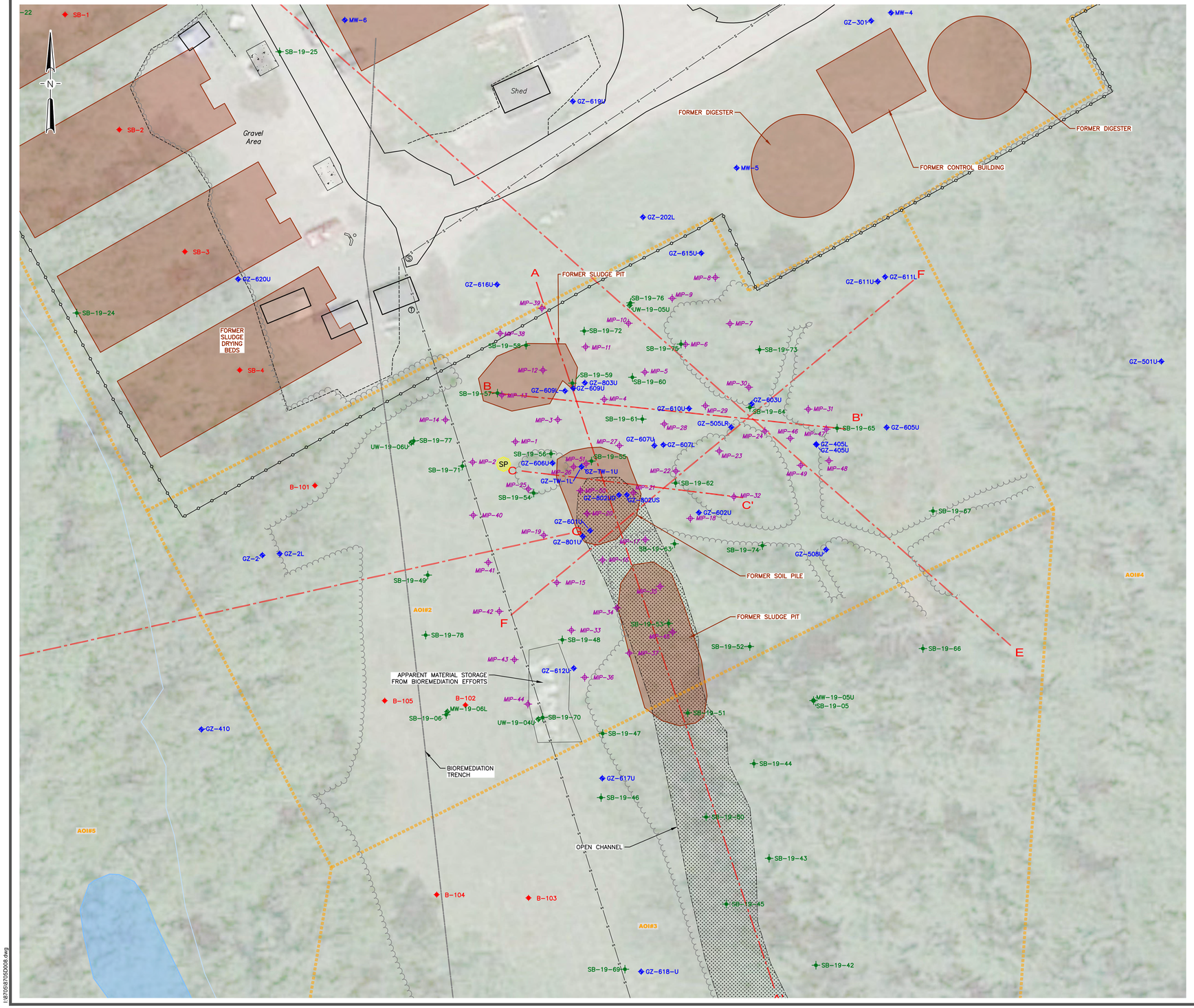
DRAWING TITLE:

SITE FEATURES AND EXPLORATION LOCATION PLAN

FIGURE #:

2B

U:\8705\8705D007.dwg



LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- GZ-10U — MONITORING WELL LOCATION (PREVIOUSLY INSTALLED)
- MW-19-02U — MONITORING WELL LOCATION (INSTALLED DURING PDI)
- SB-19-15 — SOIL BORING LOCATION (INSTALLED DURING PDI)
- B-102 — SOIL BORING LOCATION (OTHER)
- MIP-23 — MIP BORING LOCATION
- SEWER MANHOLE
- DRAIN MANHOLE
- CHAIN LINK FENCE
- WIRE MESH FENCE
- SEWER LINE
- DRAIN LINE
- GAS LINE
- WATER LINE
- HYDRANT
- CATCH BASIN
- UTILITY POLE
- SP — SOIL PILE OBSERVED BY GEOINSIGHT DURING APRIL 17, 2020 SITE VISIT
- D — SOIL AND DEBRIS OBSERVED BY GEOINSIGHT DURING APRIL 17, 2020 SITE VISIT

AREA OF INVESTIGATION	NAME/DESCRIPTION
AOI#1	FORMER WWTF AREA
AOI#2	DNAPL AREA
AOI#3	OTHER POTENTIAL SOURCE AREAS
AOI#4	UNDEVELOPED UPLAND AREA
AOI#5	WETLAND AND RIVER AREA
AOI#6	UPGRADIENT AREA
AOI#7	DOWNGRADIENT AREA (OUTSIDE OF GROUNDWATER MANAGEMENT ZONE)

NOTES

1. THIS PLAN WAS BASED UPON AN OCTOBER 2018 FIGURE B1 ENTITLED "TOWN OF SALEM BOUNDARY PLAN TAX MAP 143 LOT 9478" PREPARED BY FUSS & O'NEILL OF MANCHESTER, NEW HAMPSHIRE AND A JUNE 22, 2019 GOOGLE EARTH AERIAL IMAGE. ALL SITE FEATURES ARE APPROXIMATE.
2. BORING AND MONITORING WELL LOCATIONS ARE FROM A SURVEY COMPLETED BY WSP USA, INC. DATED SEPTEMBER 17, 2019 FOR WOODARD & CURRAN AND HISTORICAL PLANS PROVIDED IN PREVIOUS REPORTS PREPARED BY OTHERS.
3. FORMER SITE FEATURES ARE BASED ON HISTORICAL PLANS PROVIDED IN PREVIOUS REPORTS PREPARED BY GZA AND WOODARD AND CURRAN.
4. CROSS-SECTIONS E,F, AND G WERE PREVIOUSLY PROVIDED IN REPORTS PREPARED BY GZA.

0 20 40
APPROX. SCALE IN FEET

PREPARED BY:
GeoInsight
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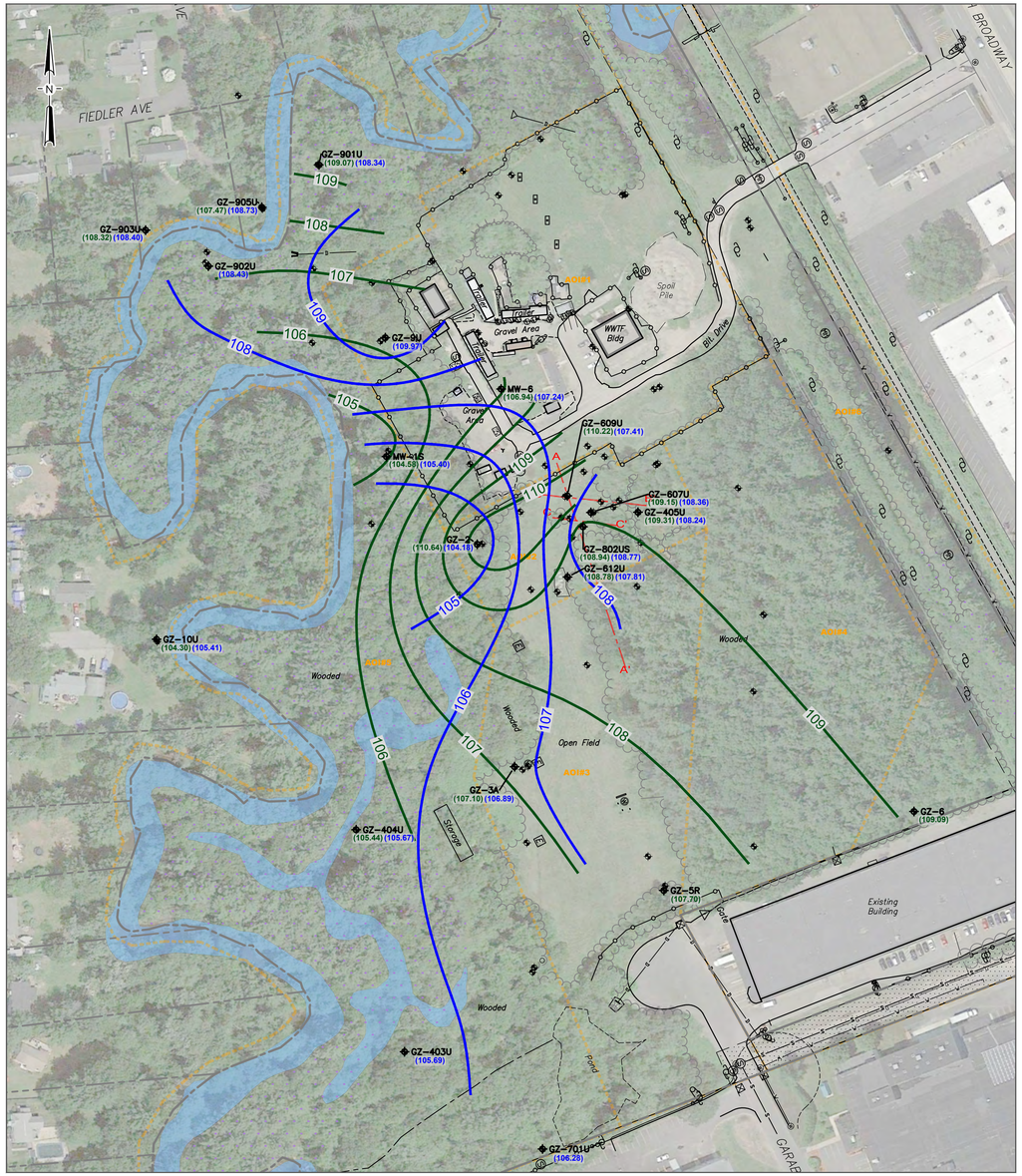
FORMER WASTE WATER TREATMENT FACILITY
346 SOUTH BROADWAY
SALEM, NEW HAMPSHIRE

DWG SCALE: 1" = 20'	PREPARED BY: STM
DATE ISSUED: 06/17/20	CHECKED BY: LASA
PROJECT #: 8705-000	APPROVED BY: MFD
FILE #: 8705D008	

DRAWING TITLE:
SITE FEATURES AND EXPLORATION LOCATION PLAN

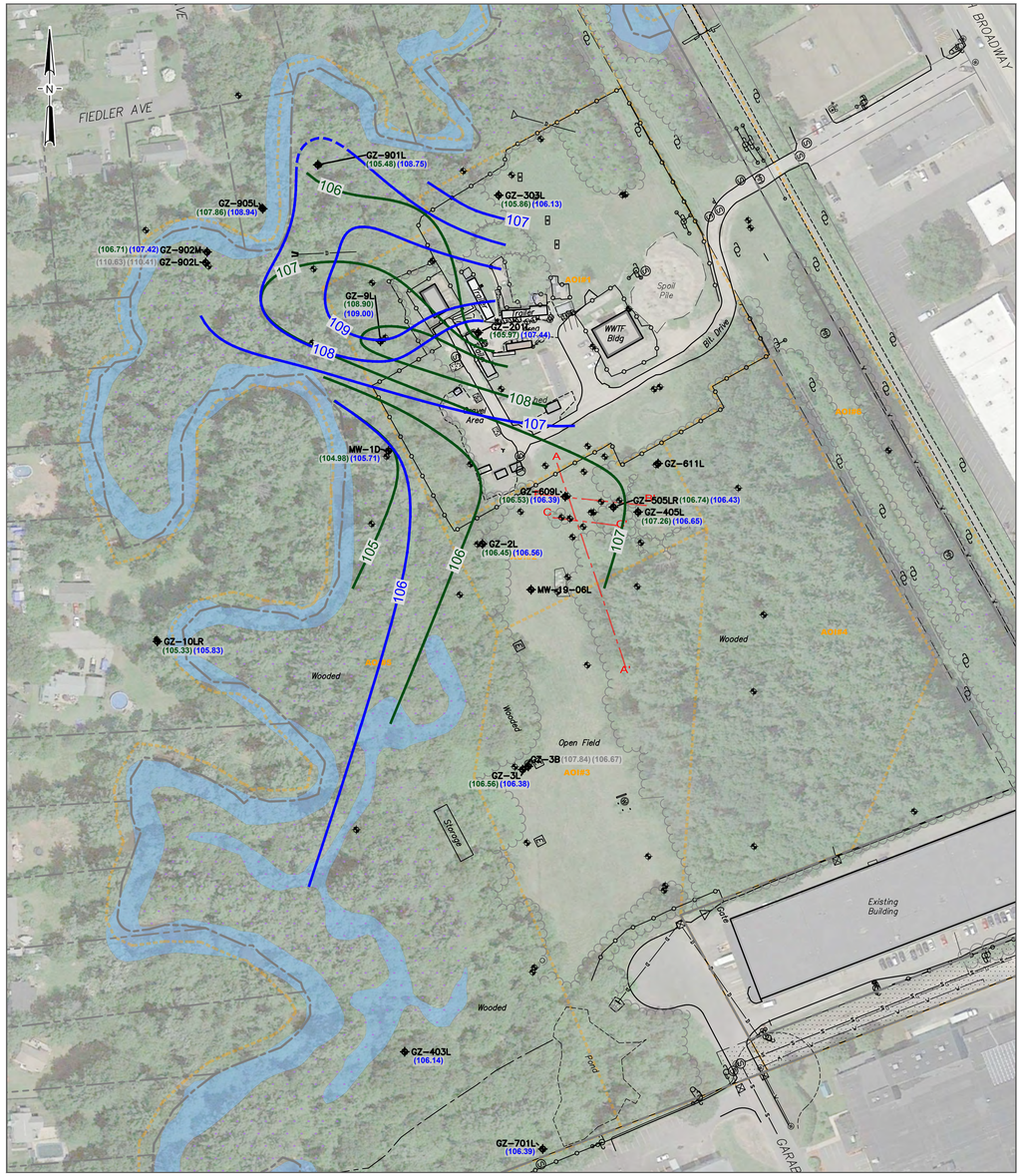
FIGURE #:
2C

I:\8705\8705D008.dwg



UPPER HYDROGEOLOGIC UNIT

SCALE: 1" = 100'



LOWER HYDROGEOLOGIC UNIT

SCALE: 1" = 100'

GROUNDWATER ELEVATION CONTOURS JUNE AND NOVEMBER 2019

LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- MW GZ 10U — MONITORING WELL LOCATION
- (S) — SEWER MANHOLE
- (D) — DRAIN MANHOLE
- CHAIN LINK FENCE
- WIRE MESH FENCE
- SEWER LINE
- DRAIN LINE
- GAS LINE
- WATER LINE
- HYDRANT
- CATCH BASIN
- UTILITY POLE
- (106.50) 106 — JUNE 2019 GROUNDWATER ELEVATION AND CONTOUR
- (106.50) 106 — NOVEMBER 2019 GROUNDWATER ELEVATION AND CONTOUR

GRAY INDICATES VALUE WAS NOT CONSIDERED WHEN GENERATING CONTOURS, AS THE WELL IS COMPLETED IN A DIFFERENT STRATIGRAPHIC UNIT THAT SURROUNDING WELLS

0 100 200
APPROX. SCALE IN FEET

NOTES

1. THIS PLAN WAS BASED UPON AN OCTOBER 2018 FIGURE B1 ENTITLED "TOWN OF SALEM BOUNDARY PLAN TAX MAP 143 LOT 9478" PREPARED BY FUSS & O'NEILL OF MANCHESTER, NEW HAMPSHIRE AND A JUNE 22, 2019 GOOGLE EARTH AERIAL IMAGE. ALL SITE FEATURES ARE APPROXIMATE.

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SALEM, NH 03079

REVISIONS

DATE	DESCRIPTION

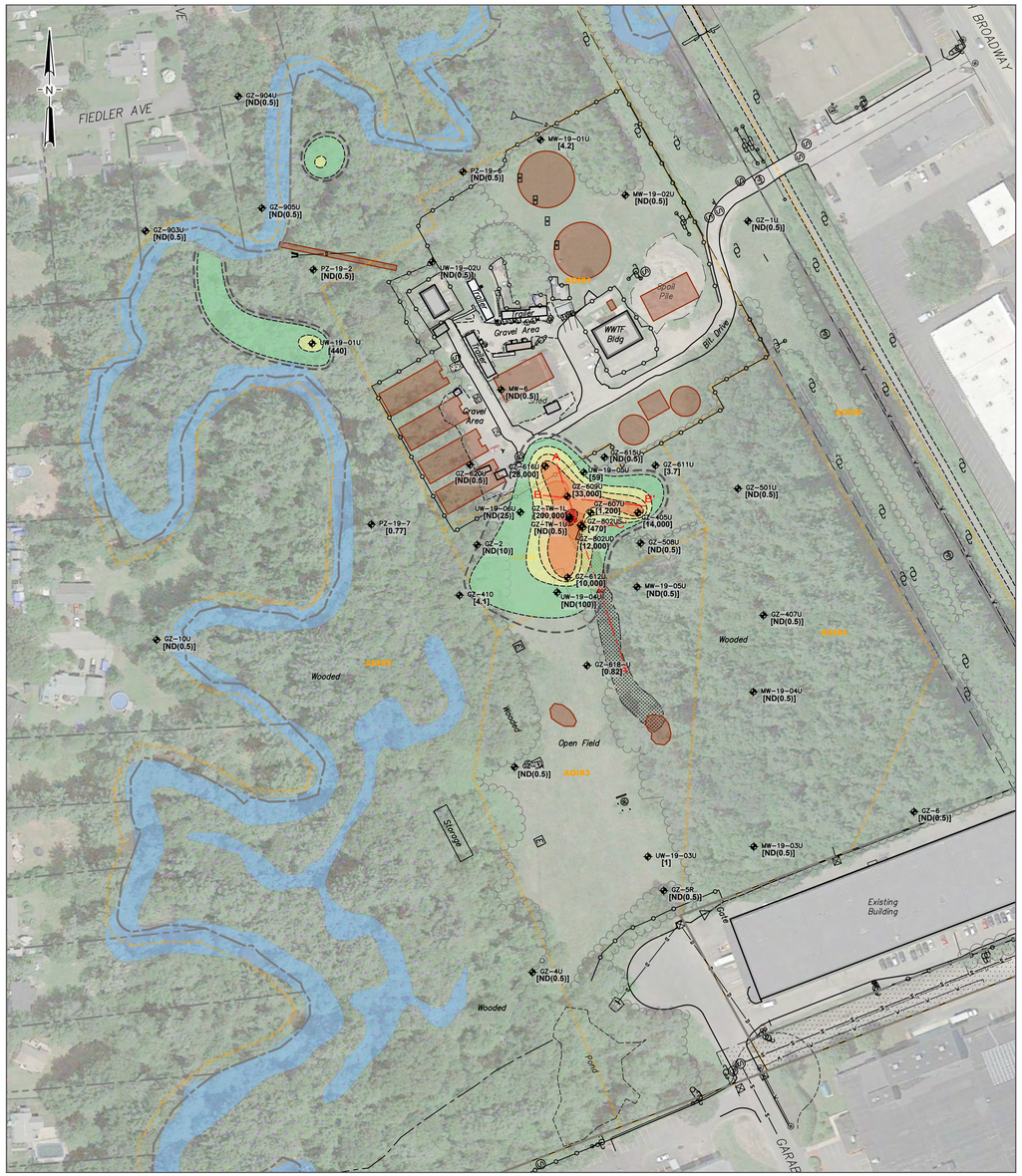
FORMER WASTE WATER TREATMENT FACILITY
346 SOUTH BROADWAY
SALEM, NEW HAMPSHIRE

DWG SCALE: 1" = 100'	PREPARED BY: STM
DATE ISSUED: 06/17/20	CHECKED BY: LASA
PROJECT #: 8705-000	APPROVED BY: MFD
FILE #:	8705D005

DRAWING TITLE:
GROUNDWATER ELEVATION CONTOURS
(JUNE AND NOVEMBER 2019)

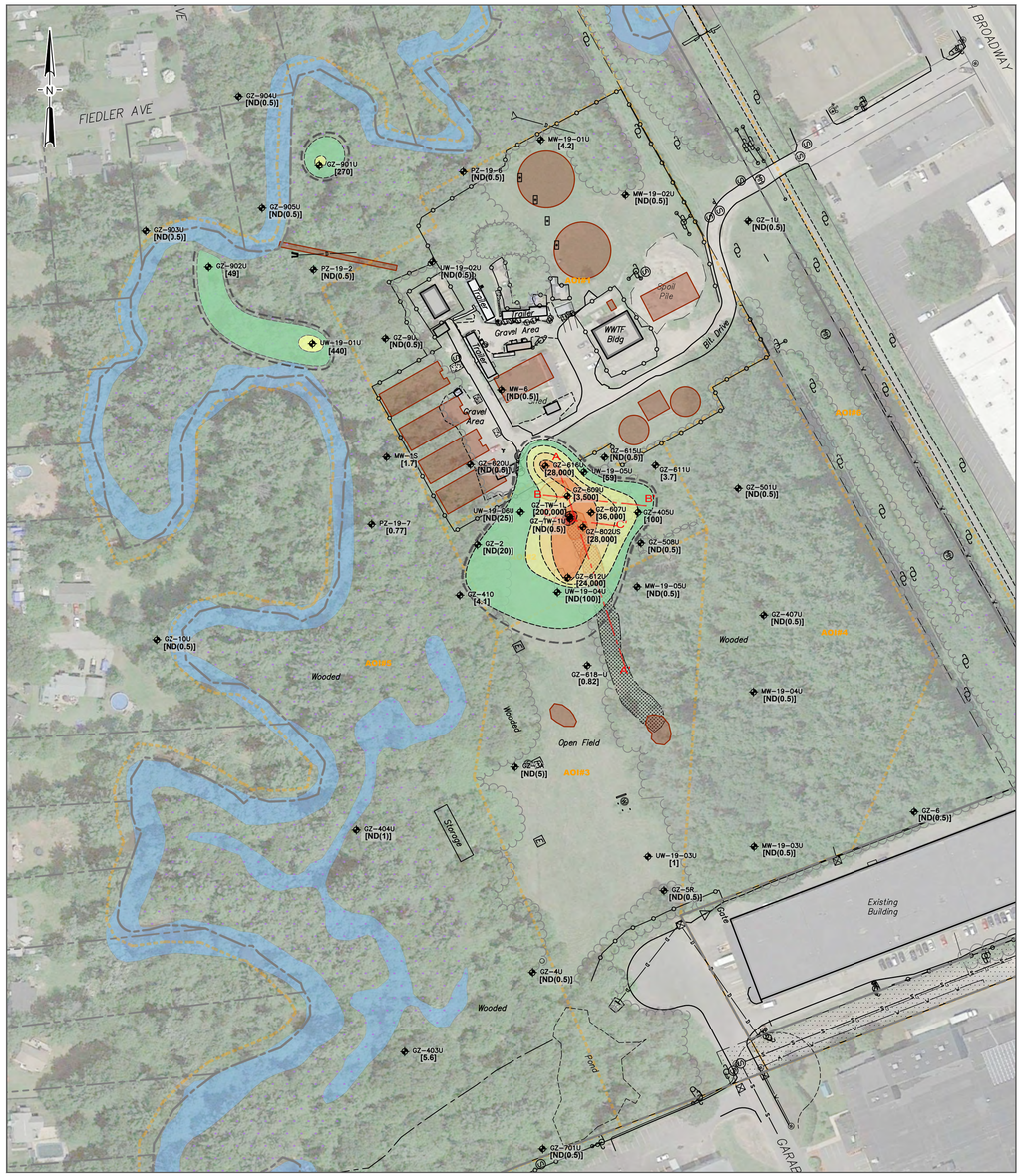
FIGURE #:
3

I:\8705\8705D005.dwg



JUNE AND AUGUST

SCALE: 1" = 100'



AUGUST AND NOVEMBER

SCALE: 1" = 100'

DISTRIBUTION OF TCE IN GROUNDWATER - UPPER HYDROGEOLOGIC UNIT

LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- GZ 10U — MONITORING WELL LOCATION
- SEWER MANHOLE
- DRAIN MANHOLE
- CHAIN LINK FENCE
- WIRE MESH FENCE
- SEWER LINE
- DRAIN LINE
- GAS LINE
- WATER LINE
- HYDRANT
- CATCH BASIN
- UTILITY POLE
- [XX] TCE CONCENTRATION
- CONCENTRATIONS WITHIN AOGS CONTOUR EXCEED 5 ug/L

TCE (ug/L)

100,000
10,000
1,000
100
10

0 100 200

APPROX. SCALE IN FEET

NOTES

1. FOR THOSE SAMPLES WHERE TCE WAS NOT DETECTED ABOVE LABORATORY REPORTING LIMITS, 1/2 OF THE POSTED REPORTING LIMIT VALUE WAS CONSIDERED WHEN DEVELOPING CONTOURS. FOR THOSE LOCATIONS WHERE SAMPLES WERE COLLECTED FROM COUPLET WELLS SCREENED AT MULTIPLE DEPTHS WITHIN THE SAME STRATIGRAPHIC UNIT, THE RESULT WITH THE HIGHER DETECTION WAS USED (IE., GZ-802US/D AND GZ-TW-1L/U).

2. ISOCONTOURS ARE BASED ON DATA FROM WIDELY SPACED MONITORING LOCATIONS, AND OTHER INTERPRETATIONS ARE POSSIBLE.

I:\8705\8705D014.dwg

PREPARED BY:

GeoInsight

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MANCHESTER, NEW HAMPSHIRE 03101
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ENVIRONMENTAL STRATEGY AND ENGINEERING

OWNER/APPLICANT:

TOWN OF SALEM
MUNICIPAL SERVICES
21 CROSS STREET
SALEM, NH 03079

REVISIONS

DATE	DESCRIPTION

FORMER WASTE WATER TREATMENT FACILITY
346 SOUTH BROADWAY
SALEM, NEW HAMPSHIRE

DWG SCALE: 1" = 100'	PREPARED BY: STM
DATE ISSUED: 09/15/20	CHECKED BY: LASA
PROJECT #: 8705-000	APPROVED BY: MFD
FILE #: 8705D014	

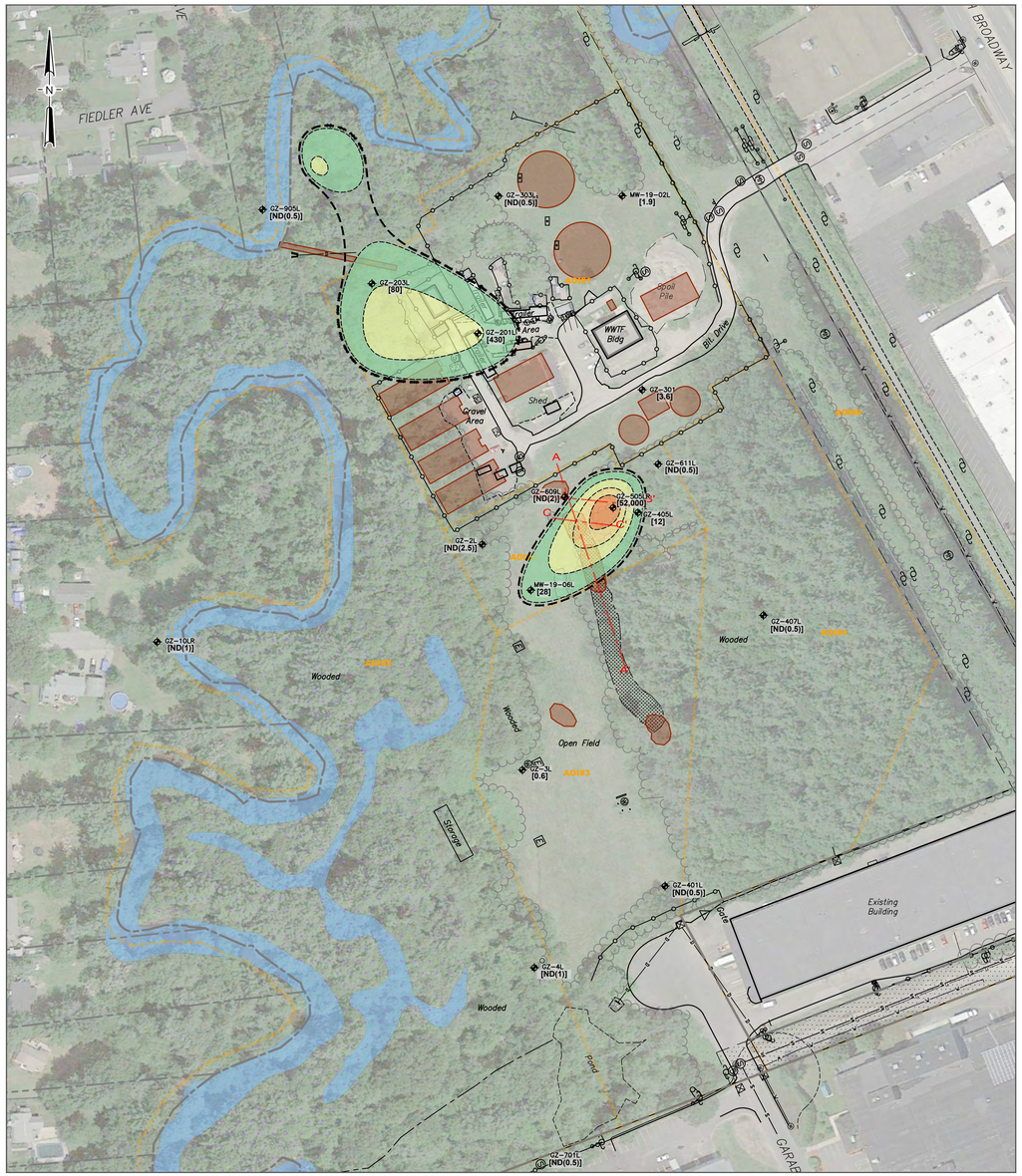
DRAWING TITLE:

DISTRIBUTION OF TCE IN GROUNDWATER

UPPER HYDROGEOLOGIC UNIT

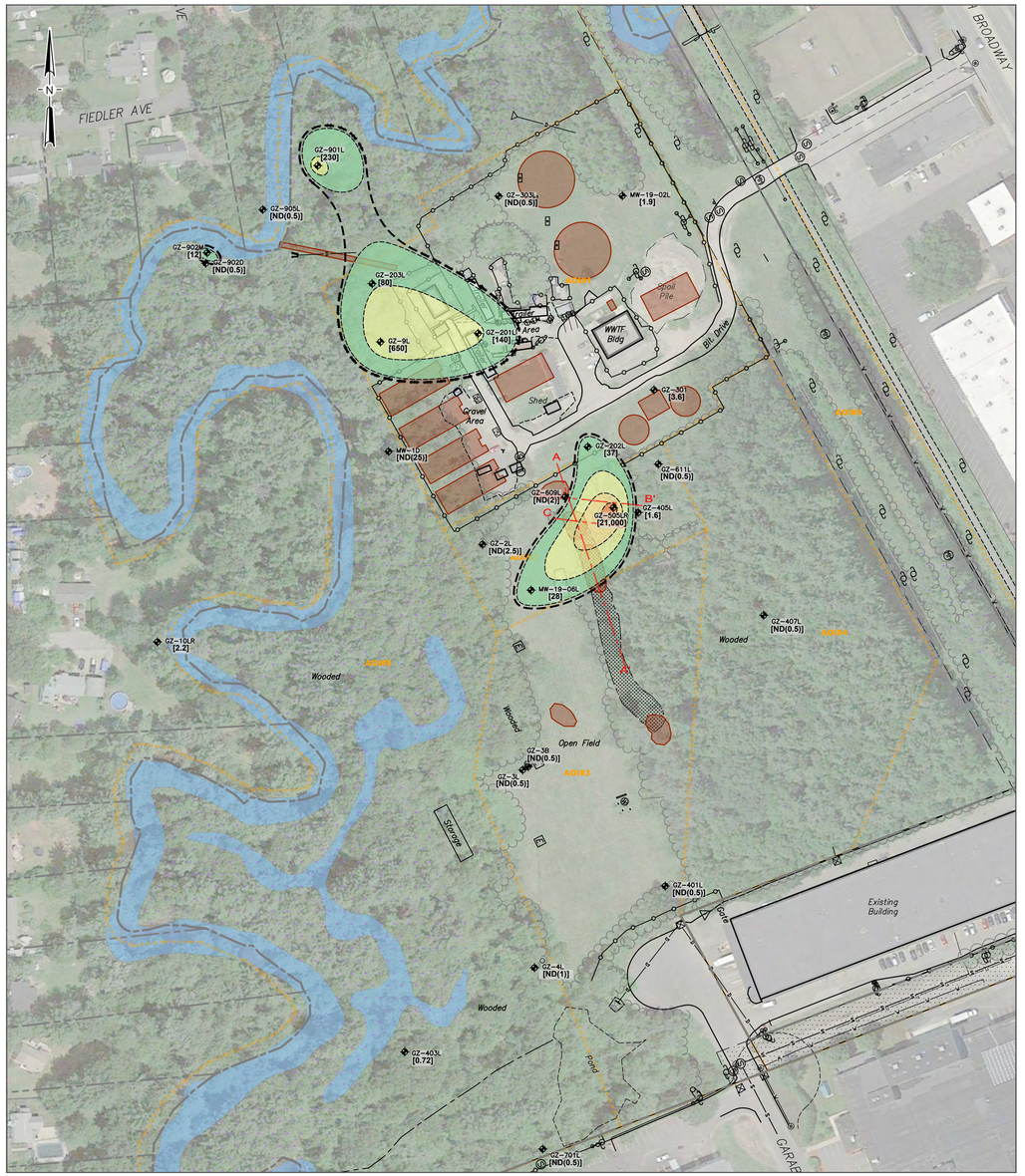
FIGURE #:

4A



JUNE AND AUGUST

SCALE: 1" = 100'



AUGUST AND NOVEMBER

SCALE: 1" = 100'

DISTRIBUTION OF TCE IN GROUNDWATER - LOWER HYDROGEOLOGIC UNIT

LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- GZ 10U — MONITORING WELL LOCATION
- SEWER MANHOLE
- DRAIN MANHOLE
- CHAIN LINK FENCE
- WIRE MESH FENCE
- SEWER LINE
- DRAIN LINE
- GAS LINE
- WATER LINE
- HYDRANT
- CATCH BASIN
- UTILITY POLE
- [XX] — TCE CONCENTRATION
- [XX]* — INDICATES THE RESULT WAS NOT CONSIDERED WHEN DEVELOPING THE CONTOURS
- CONCENTRATIONS WITHIN AGQS CONTOUR EXCEED 5 ug/L

TCE (ug/L): 100,000 / 10,000 / 1,000 / 100 / 10

0 100 200

APPROX. SCALE IN FEET

NOTES

1. FOR THOSE SAMPLES WHERE TCE WAS NOT DETECTED ABOVE LABORATORY REPORTING LIMITS, 1/2 OF THE POSTED REPORTING LIMIT VALUE WAS CONSIDERED WHEN DEVELOPING CONTOURS. THE SAMPLE RESULT FROM WELL GZ-902L WAS NOT CONSIDERED IN DEVELOPMENT OF THE CONTOURS, AS THE WELL IS COMPLETED IN BEDROCK. THE SAMPLE RESULT FROM WELL GZ-902L WAS NOT CONSIDERED, AS THE WELL IS SCREENED DEEPER THAN OTHER LOWER UNIT WELLS IN THIS AREA.

2. ISOCONTOURS ARE BASED ON DATA FROM WIDELY SPACED MONITORING LOCATIONS, AND OTHER INTERPRETATIONS ARE POSSIBLE.

I:\8705\8705D014.dwg

PREPARED BY:

GeoInsight

186 GRANITE STREET, SUITE 3A
MANCHESTER, NEW HAMPSHIRE 03101
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ENVIRONMENTAL STRATEGY AND ENGINEERING

OWNER/APPLICANT:

TOWN OF SALEM
MUNICIPAL SERVICES
21 CROSS STREET
SALEM, NH 03079

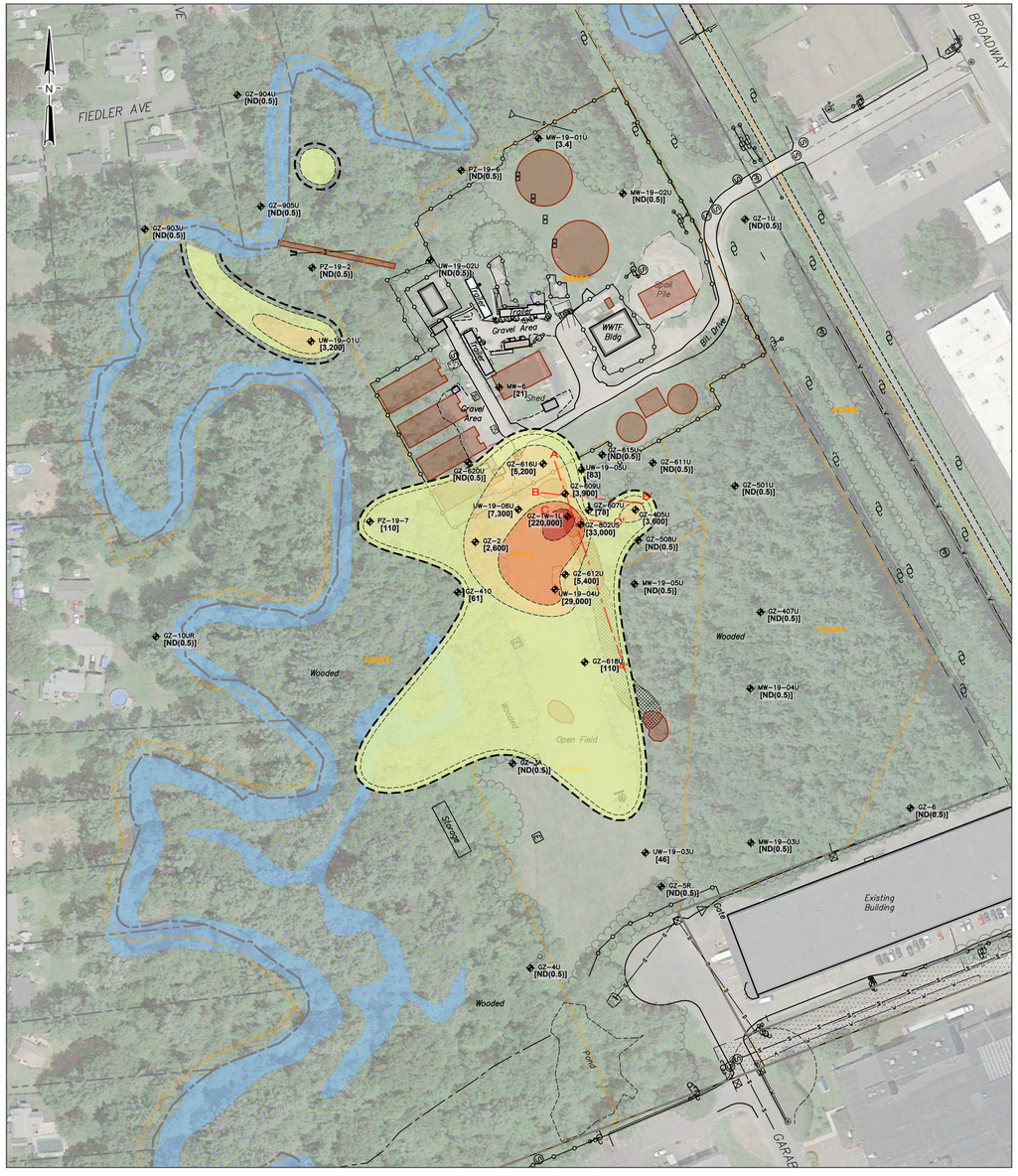
REVISIONS	
DATE	DESCRIPTION

FORMER WASTE WATER TREATMENT FACILITY
346 SOUTH BROADWAY
SALEM, NEW HAMPSHIRE

DWG SCALE: 1" = 100'	PREPARED BY: STM
DATE ISSUED: 09/15/20	CHECKED BY: LASA
PROJECT #: 8705-000	APPROVED BY: MFD
FILE #: 8705D014	

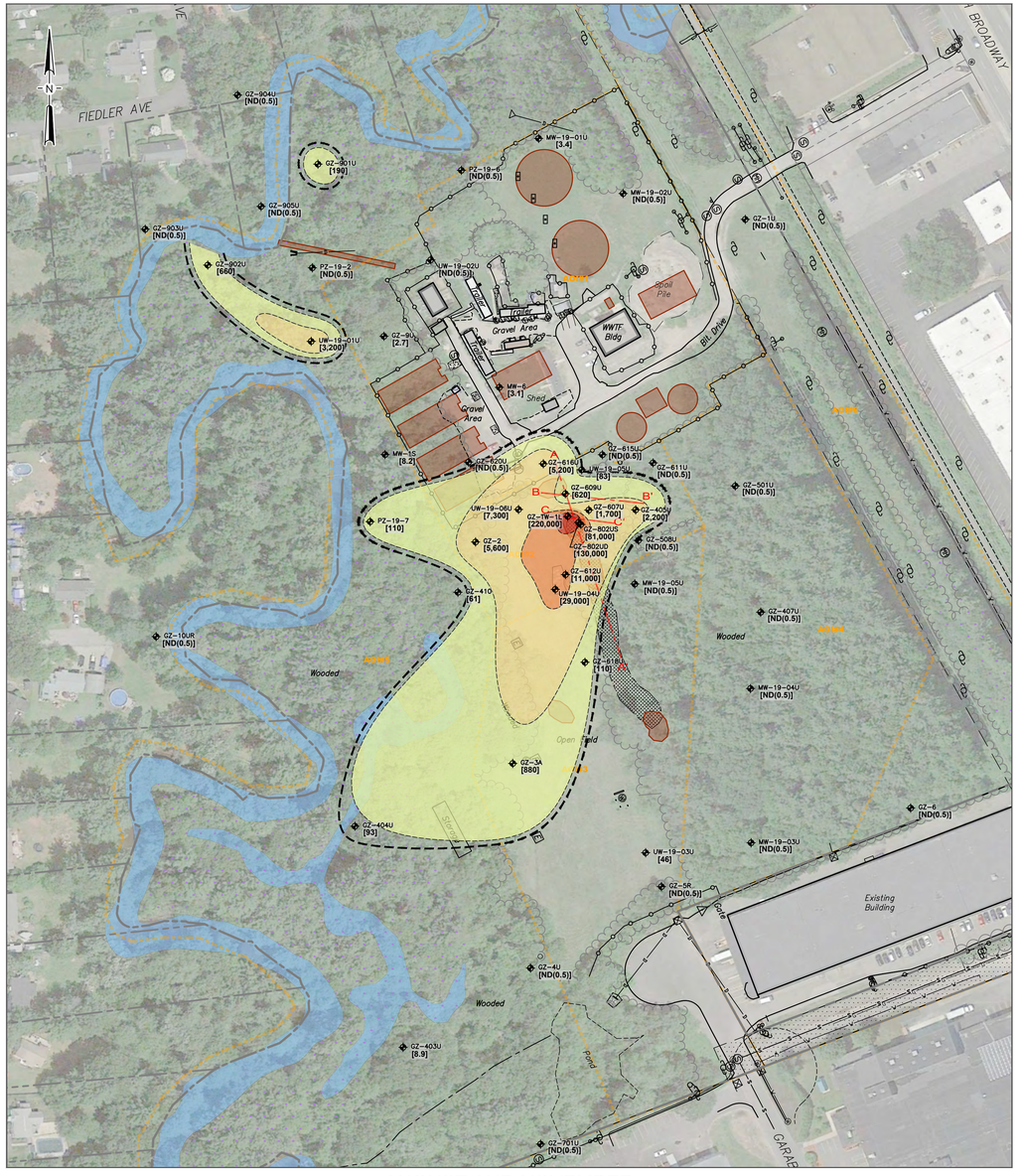
DRAWING TITLE:
DISTRIBUTION OF TCE IN GROUNDWATER
LOWER HYDROGEOLOGIC UNIT

FIGURE #:
4B



JUNE AND AUGUST

SCALE: 1" = 100'



AUGUST AND NOVEMBER

SCALE: 1" = 100'

DISTRIBUTION OF cis-1,2-DCE IN GROUNDWATER - UPPER HYDROGEOLOGIC UNIT

LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- GZ 10U — MONITORING WELL LOCATION
- SEWER MANHOLE
- DRAIN MANHOLE
- CHAIN LINK FENCE
- WIRE MESH FENCE
- SEWER LINE
- DRAIN LINE
- GAS LINE
- WATER LINE
- HYDRANT
- CATCH BASIN
- UTILITY POLE
- [xx] — cis-1,2-DCE CONCENTRATION
- CONCENTRATIONS WITHIN AGQS CONTOUR EXCEED 70 ug/L

cis-1,2-DCE (ug/L): 100,000 / 10,000 / 1,000 / 100

0 100 200

APPROX. SCALE IN FEET

NOTES

1. FOR THOSE SAMPLES WHERE DCE WAS NOT DETECTED ABOVE LABORATORY REPORTING LIMITS, 1/2 OF THE POSTED REPORTING LIMIT VALUE WAS CONSIDERED WHEN DEVELOPING CONTOURS. FOR THOSE LOCATIONS WHERE SAMPLES WERE COLLECTED FROM COUPLET WELLS SCREENED AT MULTIPLE DEPTHS WITHIN THE SAME STRATIGRAPHIC UNIT, THE RESULT WITH THE HIGHER DETECTION WAS USED (IE., GZ-802US/D AND GZ-TW-1L/U).

2. ISOCONTOURS ARE BASED ON DATA FROM WIDELY SPACED MONITORING LOCATIONS, AND OTHER INTERPRETATIONS ARE POSSIBLE.

I:\8705\8705D015.dwg

PREPARED BY:

GeoInsight

186 GRANITE STREET, SUITE 3A
MANCHESTER, NEW HAMPSHIRE 03101
PH: (603) 314-0820 FAX: (603) 314-0821
ENVIRONMENTAL STRATEGY AND ENGINEERING

OWNER/APPLICANT:

TOWN OF SALEM
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SALEM, NH 03079

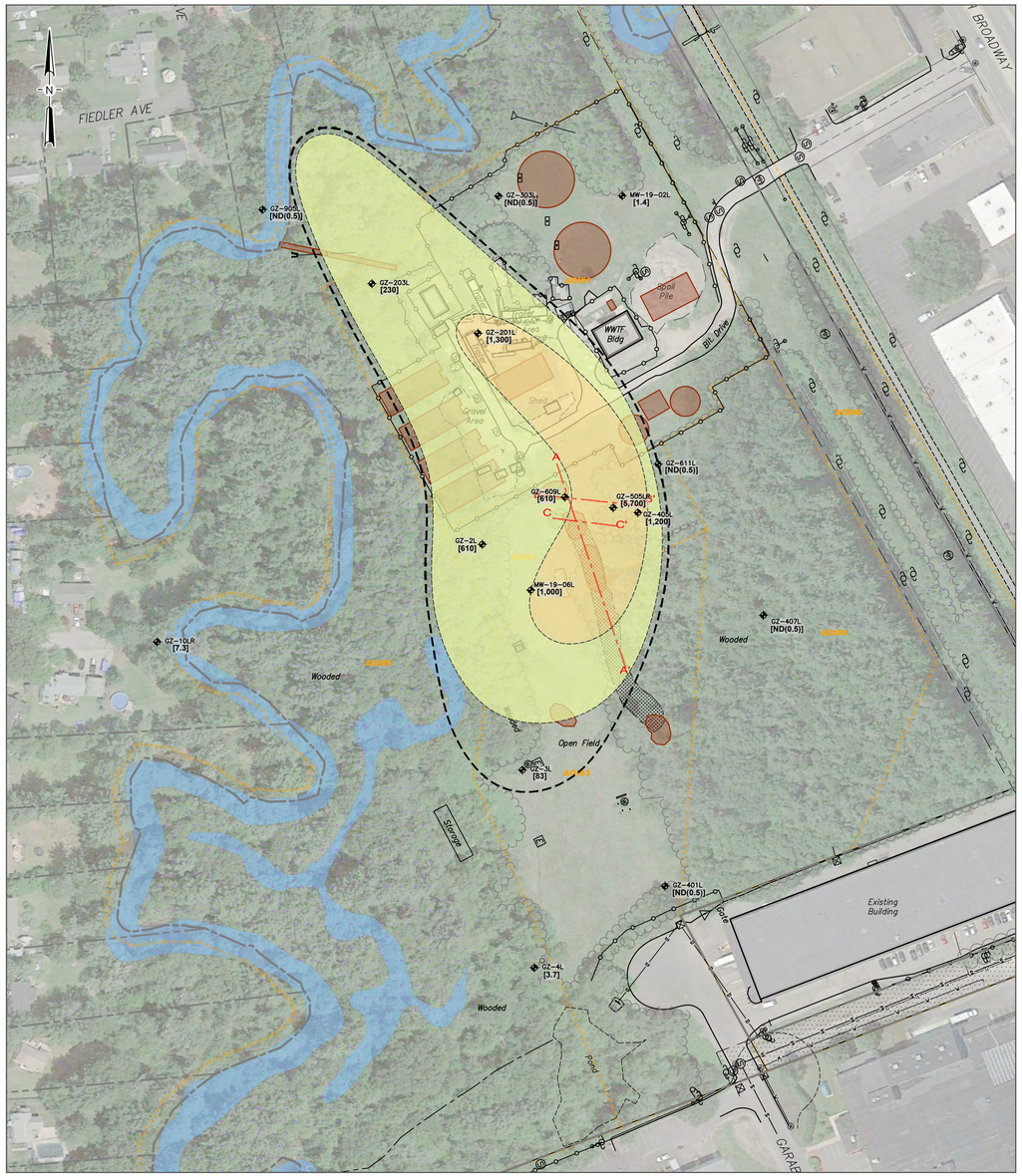
REVISIONS	
DATE	DESCRIPTION

FORMER WASTE WATER TREATMENT FACILITY
346 SOUTH BROADWAY
SALEM, NEW HAMPSHIRE

DWG SCALE: 1" = 100'	PREPARED BY: STM
DATE ISSUED: 09/16/20	CHECKED BY: LASA
PROJECT #: 8705-000	APPROVED BY: MFD
FILE #: 8705D015	

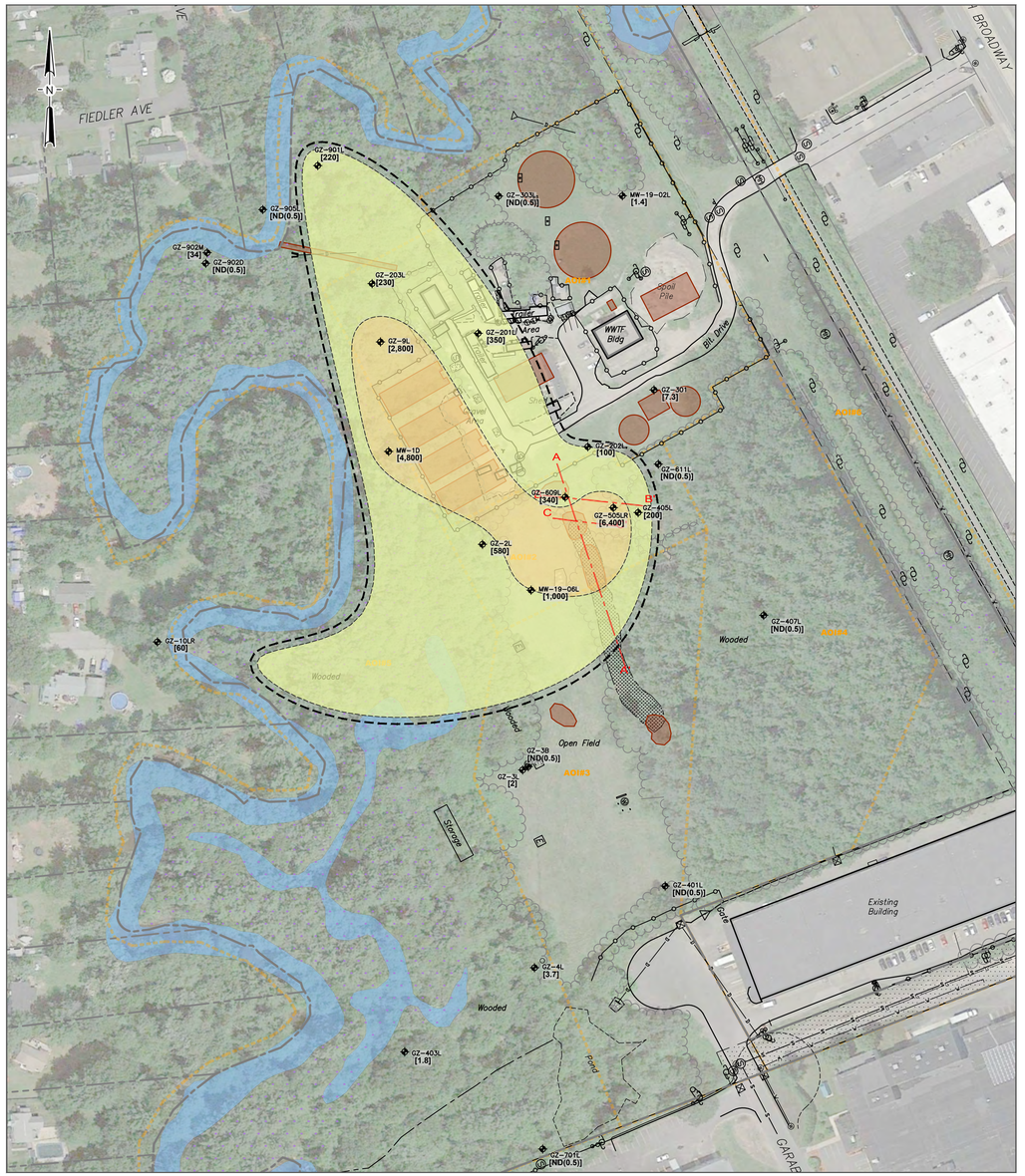
DRAWING TITLE:
DISTRIBUTION OF cis-1,2-DCE IN GROUNDWATER
UPPER HYDROGEOLOGIC UNIT

FIGURE #:
4C



JUNE AND AUGUST

SCALE: 1" = 100'



AUGUST AND NOVEMBER

SCALE: 1" = 100'

DISTRIBUTION OF cis-1,2-DCE IN GROUNDWATER - LOWER HYDROGEOLOGIC UNIT

LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- GZ 10U — MONITORING WELL LOCATION
- SEWER MANHOLE
- DRAIN MANHOLE
- CHAIN LINK FENCE
- WIRE MESH FENCE
- SEWER LINE
- DRAIN LINE
- GAS LINE
- WATER LINE
- HYDRANT
- CATCH BASIN
- UTILITY POLE
- [XX] — cis-1,2-DCE CONCENTRATION
- [XX]* — INDICATES THE RESULT WAS NOT CONSIDERED WHEN DEVELOPING THE CONTOURS
- CONCENTRATIONS WITHIN AGQS CONTOUR EXCEED 70 ug/L

cis-1,2-DCE (ug/L)

- 100,000
- 10,000
- 1,000
- 100

0 100 200

APPROX. SCALE IN FEET

NOTES

1. FOR THOSE SAMPLES WHERE TCE WAS NOT DETECTED ABOVE LABORATORY REPORTING LIMITS, 1/2 OF THE POSTED REPORTING LIMIT VALUE WAS CONSIDERED WHEN DEVELOPING CONTOURS. THE SAMPLE RESULT FROM WELL GZ-3B WAS NOT CONSIDERED IN DEVELOPMENT OF THE CONTOURS, AS THE WELL IS COMPLETED IN BEDROCK. THE SAMPLE RESULT FROM WELL GZ-902L WAS NOT CONSIDERED, AS THE WELL IS SCREENED DEEPER THAN OTHER LOWER UNIT WELLS IN THIS AREA.

2. ISOCONTOURS ARE BASED ON DATA FROM WIDELY SPACED MONITORING LOCATIONS, AND OTHER INTERPRETATIONS ARE POSSIBLE.

I:\8705\8705D015.dwg

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GeoInsight

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REVISIONS	
DATE	DESCRIPTION

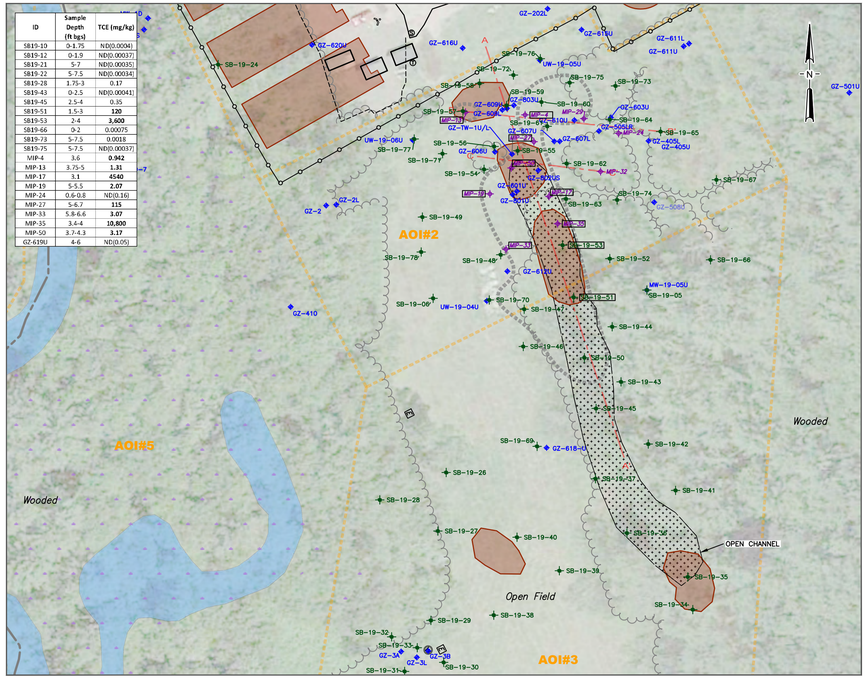
FORMER WASTE WATER TREATMENT FACILITY
346 SOUTH BROADWAY
SALEM, NEW HAMPSHIRE

DWG SCALE: 1" = 100'	PREPARED BY: STM
DATE ISSUED: 09/16/20	CHECKED BY: LASA
PROJECT #: 8705-000	APPROVED BY: MFD
FILE #: 8705D015	

DRAWING TITLE:
DISTRIBUTION OF cis-1,2-DCE IN GROUNDWATER
LOWER HYDROGEOLOGIC UNIT

FIGURE #:
4D

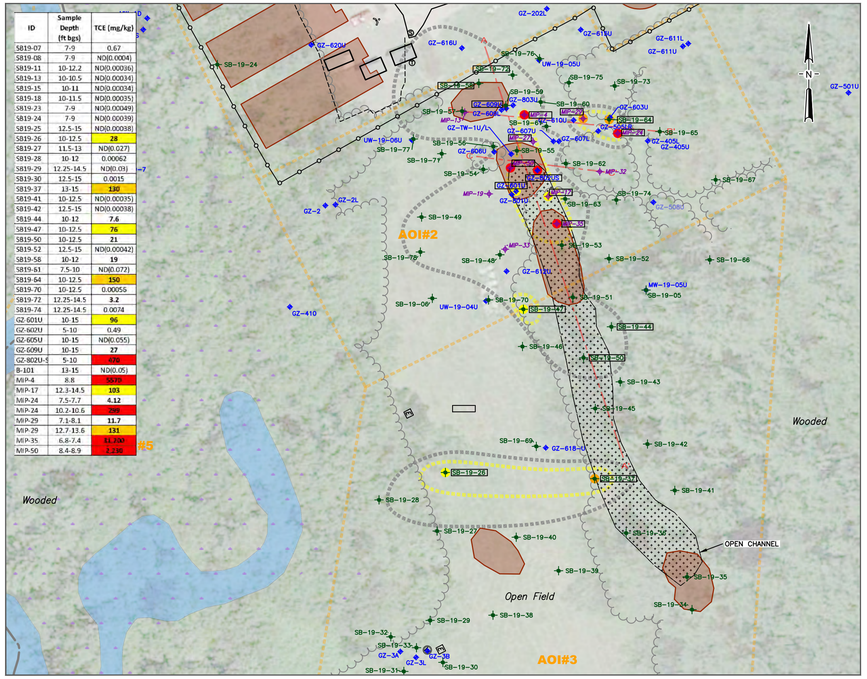
ID	Sample Depth (ft bgs)	TCE (mg/kg)
SB19-19	0-1.75	ND(0.0004)
SB19-12	0-1.9	ND(0.00037)
SB19-21	5-7	ND(0.00035)
SB19-22	5-7.5	ND(0.00034)
SB19-28	1.75-3	0.17
SB19-43	0-2.5	ND(0.00041)
SB19-45	2.5-4	0.35
SB19-51	1.5-3	**120**
SB19-53	2-4	**3,600**
SB19-66	0-2	0.00075
SB19-73	5-7.5	0.0018
SB19-75	5-7.5	ND(0.00037)
MIP-4	3.6	**0.942**
MIP-13	3.75-5	**1.31**
MIP-17	3.1	**4540**
MIP-19	5-5.5	**2.07**
MIP-24	0.6-0.8	ND(0.16)
MIP-27	5-6.7	**115**
MIP-33	5.8-6.6	**3.07**
MIP-35	3.4-4	**10,800**
MIP-50	3.7-4.3	**3.17**
GZ-619U	4-6	ND(0.05)



TCE IN SOIL 0-7'

SCALE: 1" = 50'

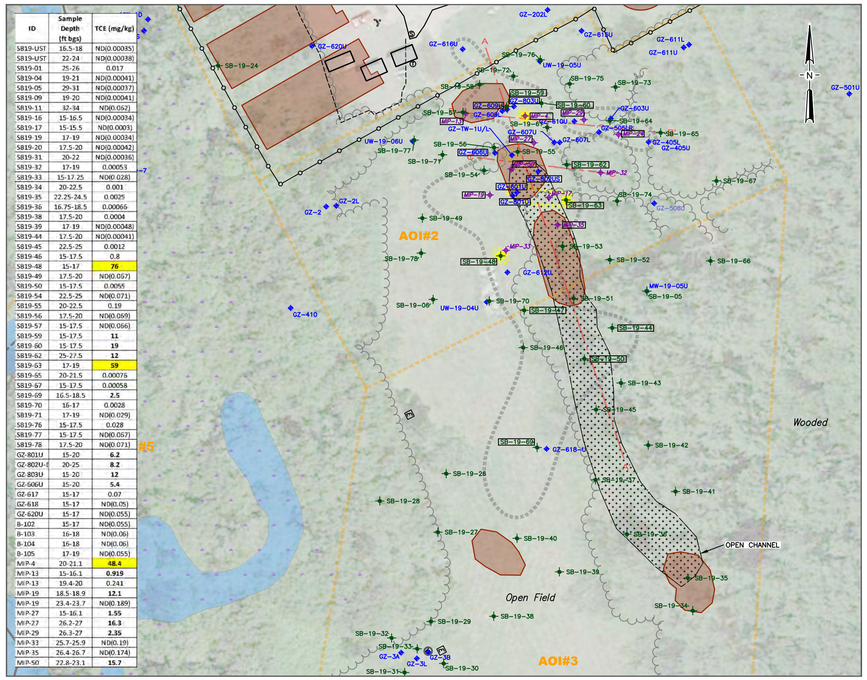
ID	Sample Depth (ft bgs)	TCE (mg/kg)
SB19-07	7-9	0.67
SB19-08	7-9	ND(0.0004)
SB19-11	10-12.2	ND(0.00036)
SB19-13	10-10.5	ND(0.00034)
SB19-15	10-11	ND(0.00034)
SB19-18	10-11.5	ND(0.00035)
SB19-23	7-9	ND(0.00049)
SB19-24	7-9	ND(0.00039)
SB19-25	12.5-15	ND(0.00038)
SB19-26	10-12.5	**28**
SB19-27	11.5-13	ND(0.027)
SB19-28	10-12	0.00062
SB19-29	12.25-14.5	ND(0.03)
SB19-30	12.5-15	0.0015
SB19-37	13-15	**120**
SB19-41	10-12.5	ND(0.00035)
SB19-42	12.5-15	ND(0.00038)
SB19-44	10-12	**7.6**
SB19-47	10-12.5	**76**
SB19-50	10-12.5	**21**
SB19-52	12.5-15	ND(0.00042)
SB19-58	10-12	**19**
SB19-61	7.5-10	ND(0.077)
SB19-64	10-12.5	**150**
SB19-70	10-12.5	0.00055
SB19-72	12.25-14.5	**3.2**
SB19-74	12.25-14.5	0.0074
GZ-601U	10-15	**96**
GZ-602U	5-10	0.49
GZ-605U	10-15	ND(0.055)
GZ-609U	10-15	**27**
GZ-802U-S	5-10	**670**
B-101	13-15	ND(0.05)
MIP-4	8.8	**5070**
MIP-17	12.3-14.5	**103**
MIP-24	7.5-7.7	**4.12**
MIP-24	10.2-10.6	**299**
MIP-29	7.1-8.1	**11.7**
MIP-29	12.7-13.6	**131**
MIP-35	6.8-7.4	**11,200**
MIP-50	8.4-8.9	**1,230**



TCE IN SOIL 7-15'

SCALE: 1" = 50'

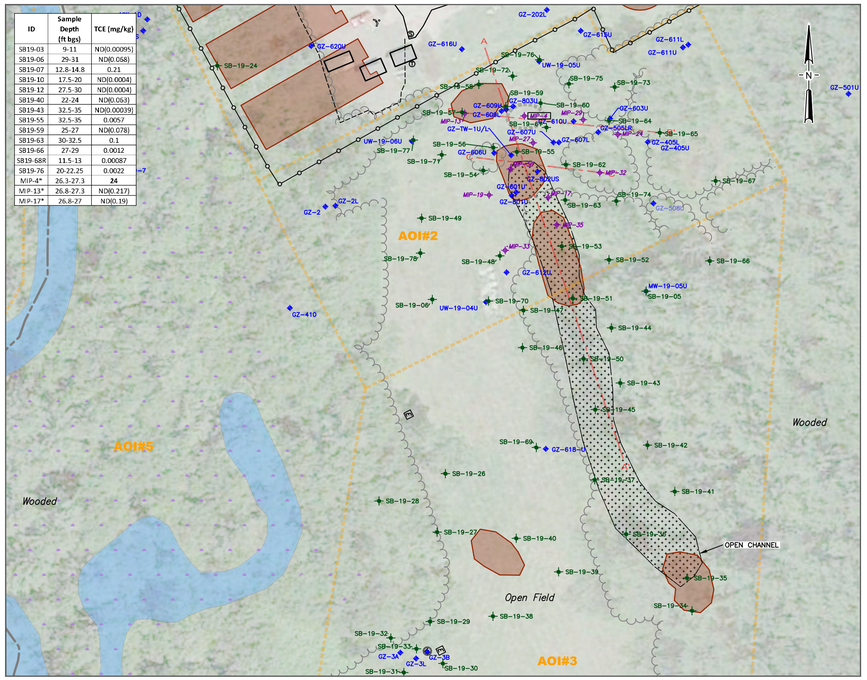
ID	Sample Depth (ft bgs)	TCE (mg/kg)
SB19-UST	16.5-18	ND(0.00035)
SB19-UST	22-24	ND(0.00038)
SB19-01	25-26	0.017
SB19-04	19-21	ND(0.00041)
SB19-05	29-31	ND(0.00037)
SB19-09	19-20	ND(0.00041)
SB19-11	32-34	ND(0.052)
SB19-16	15-16.5	ND(0.00034)
SB19-17	15-15.5	ND(0.0003)
SB19-19	17-19	ND(0.00034)
SB19-20	17.5-20	ND(0.00042)
SB19-31	20-22	ND(0.00036)
SB19-32	17-19	0.00053
SB19-33	15-17.25	ND(0.028)
SB19-34	20-22.5	0.001
SB19-35	22.25-24.5	0.0025
SB19-36	16.75-18.5	0.00066
SB19-38	17.5-20	0.0004
SB19-39	17-19	ND(0.00048)
SB19-44	17.5-20	ND(0.00041)
SB19-45	22.5-25	0.0012
SB19-46	15-17.5	0.8
SB19-48	15-17	**76**
SB19-49	17.5-20	ND(0.057)
SB19-50	15-17.5	0.0055
SB19-54	22.5-25	ND(0.071)
SB19-55	20-22.5	0.19
SB19-56	17.5-20	ND(0.069)
SB19-57	15-17.5	ND(0.066)
SB19-59	15-17.5	**11**
SB19-60	15-17.5	**19**
SB19-62	25-27.5	**12**
SB19-63	17-19	**59**
SB19-65	20-21.5	0.00076
SB19-67	15-17.5	0.00058
SB19-69	16.5-18.5	**2.5**
SB19-70	16-17	0.0028
SB19-71	17-19	ND(0.029)
SB19-76	15-17.5	0.028
SB19-77	15-17.5	ND(0.057)
SB19-78	17.5-20	ND(0.071)
GZ-801U	15-20	**6.2**
GZ-802U-S	20-25	**8.2**
GZ-803U	15-20	**12**
GZ-606U	15-20	**5.4**
GZ-617	15-17	0.07
GZ-618	15-17	ND(0.05)
GZ-620U	15-17	ND(0.055)
B-102	15-17	ND(0.055)
B-103	16-18	ND(0.06)
B-104	16-18	ND(0.06)
B-105	17-19	ND(0.055)
MIP-4	20-21.1	**48.4**
MIP-13	15-16.1	**0.919**
MIP-13	19.4-20	0.241
MIP-19	18.5-18.9	**12.1**
MIP-19	23.4-23.7	ND(0.189)
MIP-27	15-16.1	**1.55**
MIP-27	26.2-27	**16.3**
MIP-29	26.3-27	**2.35**
MIP-33	25.7-25.9	ND(0.19)
MIP-35	26.4-26.7	ND(0.174)
MIP-50	22.8-23.1	**15.7**



TCE IN SOIL >15'

SCALE: 1" = 50'

ID	Sample Depth (ft bgs)	TCE (mg/kg)
SB19-03	9-11	ND(0.00095)
SB19-06	29-31	ND(0.068)
SB19-07	12.8-14.8	0.21
SB19-10	17.5-20	ND(0.0004)
SB19-12	27.5-30	ND(0.0004)
SB19-40	22-24	ND(0.053)
SB19-43	32.5-35	ND(0.00039)
SB19-55	32.5-35	0.0057
SB19-59	25-27	ND(0.078)
SB19-63	30-32.5	0.1
SB19-66	27-29	0.0012
SB19-68R	11.5-13	0.00087
SB19-76	20-22.25	0.0022
MIP-4*	26.3-27.3	**24**
MIP-13*	26.8-27.3	ND(0.217)
MIP-17*	26.8-27	ND(0.19)



TCE IN SOIL SILTY CLAY

SCALE: 1" = 50'

LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- GZ 10U — MONITORING WELL LOCATION
- SB–19–15 — SOIL BORING LOCATION
- MIP–23 — MIP BORING LOCATION
- SEWER MANHOLE
- DRAIN MANHOLE
- CHAIN LINK FENCE
- WIRE MESH FENCE
- SEWER LINE
- DRAIN LINE
- GAS LINE
- WATER LINE
- HYDRANT
- CATCH BASIN
- UTILITY POLE
- APPROXIMATE EXTENT OF SRS EXCEEDENCE FOR TCE
- APPROXIMATE EXTENT OF POREWATER TCE CONCENTRATION GREATER THAN 10% TCE SOLUBILITY LIMIT

Bold values indicate an exceedance of the NHDES SRS value of 0.8 mg/kg

Calculated TCE porewater concentrations:

- >50% TCE solubility (DNAPL present)
- 50-100% solubility (DNAPL probable)
- 10-50% solubility (DNAPL possible)

TCE > SRS

0 50 100

APPROX. SCALE IN FEET

NOTES

1. SOIL SAMPLES WERE NOT COLLECTED AT MIP LOCATIONS; THEREFORE, THE STRATIGRAPHIC UNITS FOR SAMPLES COLLECTED FROM THESE LOCATIONS (I.E. UPPER UNIT VS SILTY CLAY) WERE INFERRED BASED ON OBSERVATIONS IN NEARBY BORINGS, BUT COULD NOT BE CONFIRMED.
2. THE APPROXIMATE EXTENTS OF EXCEEDANCES OF NHDES SOIL REMEDIATION STANDARDS (SRS) ARE BASED ON ANALYTICAL RESULTS OF SAMPLES COLLECTED FROM THE PDI, AS WELL AS PREVIOUS INVESTIGATIONS, AS TABULATED IN APPENDIX C. IN ADDITION, FIELD INDICATORS OF CONTAMINATION (ELEVATED PID READINGS AND OLFACTORY OBSERVATIONS) INDICATED ON SOIL BORING LOGS FROM PREVIOUS INVESTIGATIONS WERE CONSIDERED FOR LOCATIONS EXCEPT MIP LOCATIONS.
3. REFER TO THE TEXT FOR AN EXPLANATION OF THE CALCULATIONS OF CALCULATED TCE PORE WATER CONCENTRATIONS.
4. THE EXTENT OF PORE WATER CONCENTRATIONS AT 10% OF THE ESTIMATED SOLUBILITY OF TCE AND THE EXTENT OF EXCEEDANCES OF SRS ARE BASED ON A LIMITED NUMBER OF SAMPLES FROM WIDELY SPACED EXPLORATION LOCATIONS. OTHER INTERPRETATIONS ARE LIKELY, AND ACTUAL CONDITIONS LIKELY VARY FROM THOSE DEPICTED.
5. EXTENTS OF CONTAMINATION ARE PRESENTED FOR TCE ONLY. IN SOME SAMPLES WITH NO TCE EXCEEDANCES, EXCEEDANCES FOR OTHER VOCS WERE DETECTED.

PREPARED BY:

GeoInsight

186 GRANITE STREET, SUITE 3A
MANCHESTER, NEW HAMPSHIRE 03101
PH: (603) 314-0820 FAX: (603) 314-0821
ENVIRONMENTAL STRATEGY AND ENGINEERING

OWNER/APPLICANT:

TOWN OF SALEM MUNICIPAL SERVICES
21 CROSS STREET
SALEM, NH 03079

REVISIONS

DATE	DESCRIPTION

FORMER WASTE WATER TREATMENT FACILITY
346 SOUTH BROADWAY
SALEM, NEW HAMPSHIRE

DWG SCALE: 1" = 50'	PREPARED BY: STM
DATE ISSUED: 10/15/20	CHECKED BY: LASA
PROJECT #: 8705-000	APPROVED BY: MFD
FILE #: 8705D016	

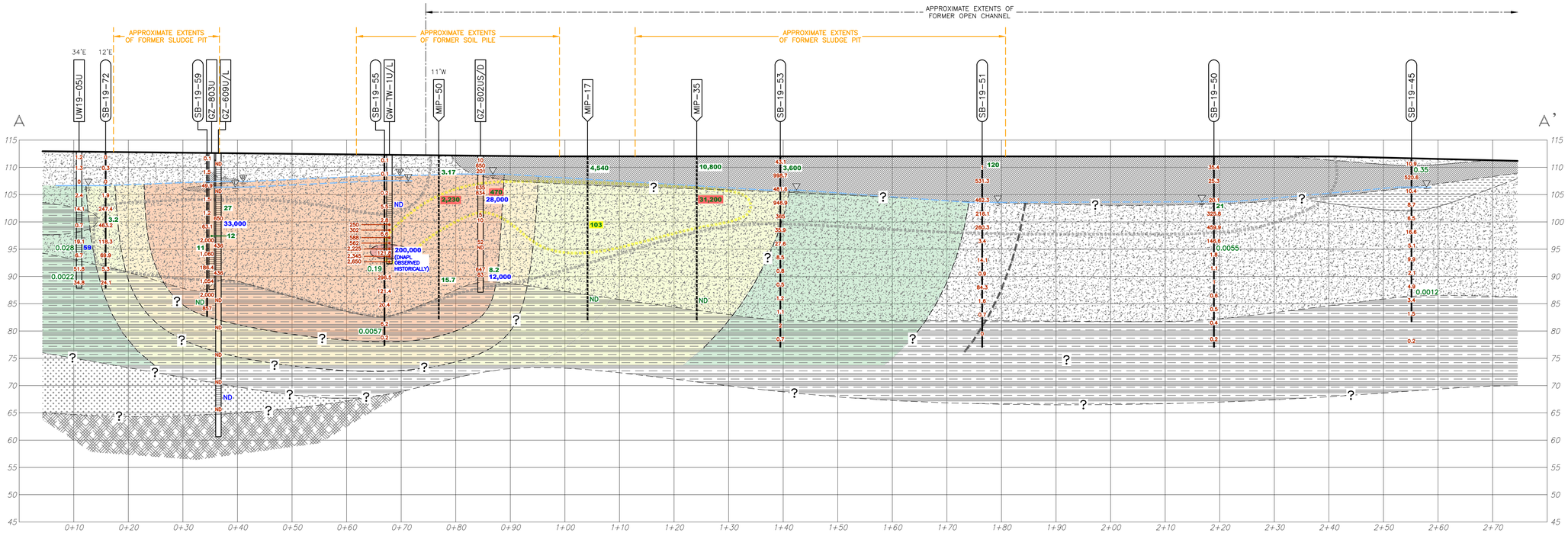
DRAWING TITLE:

DISTRIBUTION OF TCE IN SOIL
UPPER HYDROGEOLOGIC UNIT AND SILTY CLAY UNIT

FIGURE #:

5

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LEGEND

OFFSET FROM SECTION LINE >10 FEET
APPROXIMATE DISTANCE (FEET) AND DIRECTION

25'S

SB-19-55 — MONITORING WELL

GW-TW-1U — SOIL BORING

MIP-50 — MIP BORING LOCATION

EXISTING GROUND SURFACE

FINE TO COARSE SAND AND SILTY SAND (FLUVIAL)
UPPER SAND UNIT (USU)

PID READING (ppm)

SILTY CLAY WITHIN THE UPPER SAND UNIT

UPPER GROUNDWATER ELEVATION
(AUGUST OR NOVEMBER 2019, OR AS OBSERVED DURING DRILLING OF SOIL BORINGS INSTALLED DURING THE PDI)

PEAT/FIBROUS ORGANIC MATERIAL,
INTERBEDDED WITH SILTY SAND AND SAND

LOWER GROUNDWATER ELEVATION

SILTY CLAY (GLACIOLACUSTRINE)

0.19 — TCE CONCENTRATION IN SOIL (mg/kg)
BOLD TEXT INDICATES EXCEEDENCE OF SRS

SAND (GLACIOFLUVIAL)
LOWER SAND UNIT (LSU)

0.28 — TCE CONCENTRATION IN GROUNDWATER (ug/L)
BOLD TEXT INDICATES EXCEEDENCE OF AQGS (SAMPLE COLLECTED IN 2019 UNLESS OTHERWISE NOTED)

SAND AND GRAVEL (GLACIOFLUVIAL)
LOWER SAND UNIT (LSU)

DNAPL — DNAPL OBSERVED HISTORICALLY

GLACIAL TILL

SCREENED INTERVAL OF WELL

CALCULATED DNAPL POREWATER CONCENTRATIONS

- >100% TCE SOLUBILITY (DNAPL DEFINITE)
- 50–100% TCE SOLUBILITY (DNAPL PROBABLE)
- 10–50% TCE SOLUBILITY (DNAPL POSSIBLE)

- CONCENTRATIONS WITHIN AQGS CONTOUR EXCEED 5 ug/L
- APPROXIMATE EXTENT OF SRS EXCEEDENCE FOR TCE
- APPROXIMATE EXTENT OF POREWATER TCE CONCENTRATION GREATER THAN 10% TCE SOLUBILITY LIMIT

TCE (ug/L)
100,000
10,000
1,000
100
10

NOTES

1. ISOCONTOURS ARE BASED ON 2019 DATA. HISTORICAL DATA ARE PRESENTED FOR INFORMATION PURPOSES ONLY.

0 10 20
APPROX. SCALE IN FEET

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PREPARED BY:

GeoInsight
186 GRANITE STREET, SUITE 3A
MANCHESTER, NEW HAMPSHIRE 03101
PH: (603) 314-0820 FAX: (603) 314-0821
ENVIRONMENTAL STRATEGY AND ENGINEERING

OWNER/APPLICANT:

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MUNICIPAL SERVICES
21 CROSS STREET
SALEM, NH 03079

REVISIONS

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FORMER WASTE WATER TREATMENT FACILITY
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SALEM, NEW HAMPSHIRE

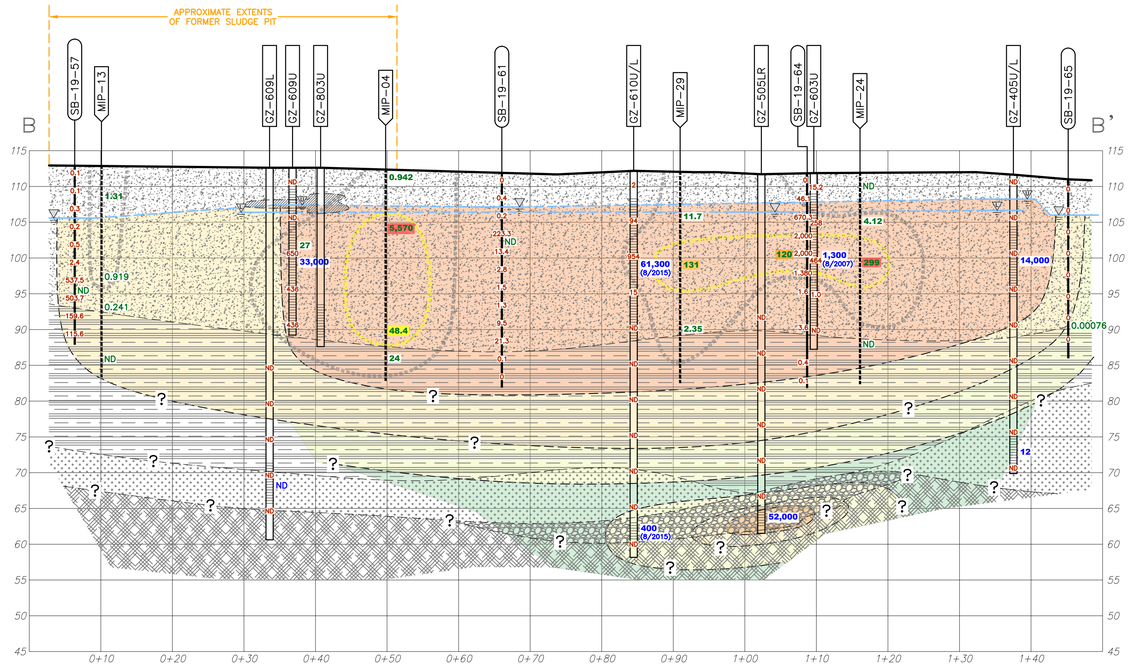
DWG SCALE: 1" = 10'	PREPARED BY: STM
DATE ISSUED: 09/18/20	CHECKED BY: LASA
PROJECT #: 8705-000	APPROVED BY: MFD
FILE #: 8705D013	

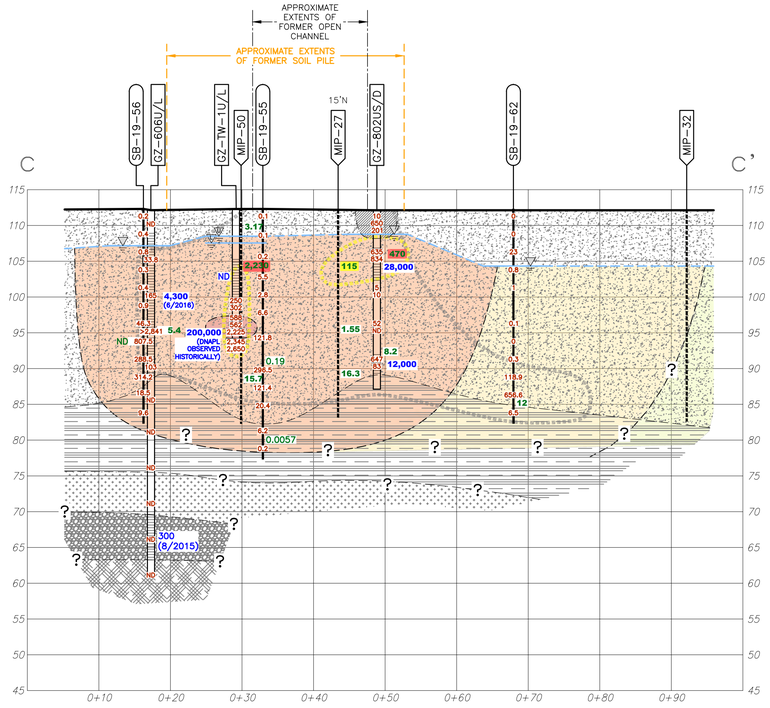
DRAWING TITLE:

CROSS SECTION A-A'

FIGURE #:

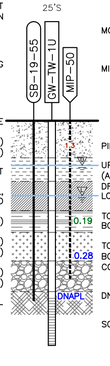
6A





LEGEND

OFFSET FROM SECTION LINE >10 FEET
APPROXIMATE DISTANCE (FEET) AND DIRECTION

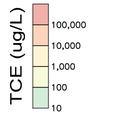


- SOIL BORING — MONITORING WELL
- MIP BORING LOCATION
- PID READING (ppm)
- UPPER GROUNDWATER ELEVATION (AUGUST OR NOVEMBER 2019, OR AS OBSERVED DURING DRILLING OF SOIL BORINGS INSTALLED DURING THE PDI) LOWER GROUNDWATER ELEVATION
- TCE CONCENTRATION IN SOIL (mg/kg) BOLD TEXT INDICATES EXCEEDENCE OF SRS
- TCE CONCENTRATION IN GROUNDWATER (ug/L) BOLD TEXT INDICATES EXCEEDENCE OF AQGS (SAMPLE COLLECTED IN 2019 UNLESS OTHERWISE NOTED)
- DNAPL OBSERVED HISTORICALLY
- SCREENED INTERVAL OF WELL

CALCULATED DNAPL POREWATER CONCENTRATIONS

- >100% TCE SOLUBILITY (DNAPL DEFINITE)
- 50–100% TCE SOLUBILITY (DNAPL PROBABLE)
- 10–50% TCE SOLUBILITY (DNAPL POSSIBLE)

- CONCENTRATIONS WITHIN AQGS CONTOUR EXCEED 5 ug/L
- APPROXIMATE EXTENT OF SRS EXCEEDENCE FOR TCE
- APPROXIMATE EXTENT OF POREWATER TCE CONCENTRATION GREATER THAN 10% TCE SOLUBILITY LIMIT



NOTES

1. ISOCONTOURS ARE BASED ON 2019 DATA. HISTORICAL DATA ARE PRESENTED FOR INFORMATION PURPOSES ONLY.

0 10 20
APPROX. SCALE IN FEET

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PH: (603) 314-0820 FAX: (603) 314-0821
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DWG SCALE:	1" = 10'	PREPARED BY:	STM
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PROJECT #:	8705-000	APPROVED BY:	MFD
FILE #:	8705D013		

DRAWING TITLE:

CROSS SECTION B-B' AND C-C'

FIGURE #:

6B

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APPENDIX A

LIMITATIONS

APPENDIX A

LIMITATIONS

The observations and conclusions described in this Report are based solely on the Services provided pursuant to the Agreement with the Client and any approved additional services authorized by the Client. Without limitation of any other applicable limitations or conditions, neither GeoInsight nor the Licensed Staff shall be liable for the existence of any condition, the discovery of which would have required the performance of services not authorized under the Agreement.

The passage of time may result in changes in technology, economic conditions or regulatory standards, manifestations of latent conditions, or the occurrence of future events, which would render this Report inaccurate or otherwise inapplicable. Neither GeoInsight nor the Licensed Staff shall be liable or responsible for the consequences of any such changed circumstances or conditions on the accuracy of this Report.

Should GeoInsight or the Licensed Staff be required or requested to review this Report after its date of submission, GeoInsight shall be entitled to additional compensation at then existing rates or such terms as may be agreed upon between GeoInsight and the Client. Nothing herein contained shall be deemed to require GeoInsight or the Licensed Staff to undertake any such review or authorize others to use this Report.

The conclusions stated in this Report are based upon: (1) Visual observations of existing physical conditions; (2) Review and interpretation of Site history and Site usage information, which was made available or obtained within the scope of work authorized by the Client; (3) Information provided by the Client; (4) Information and/or analyses for designated substances or parameters provided by an independent testing service or laboratory on a limited number of samples; and (5) A set number of subsurface explorations made on dates indicated in documentation supporting the Report. GeoInsight was not authorized and did not attempt to independently verify the accuracy or completeness of information or materials received from the Client and/or from

laboratories and other third parties during the performance of its services. Neither GeoInsight nor the Licensed Staff shall be liable for any condition, information, or conclusion, the discovery of which required information not available to the Licensed Staff or for independent investigation of information provided to the Licensed Staff by the Client and /or independent third parties.

This Report is rendered for the limited purpose stated above, and should not be deemed to be an opinion concerning the compliance of any past or present owner or operator of the Site with any federal, State, or local law or regulation. NO WARRANTY OR GUARANTEE, WHETHER EXPRESSED OR IMPLIED, IS MADE BY THIS REPORT, AND ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY DISCLAIMED. Without limiting the generality of the foregoing, no warranty or guarantee is made that all contamination at a Site or sources or contamination has been detected or identified, that any action or recommended action will achieve all of its objectives, or that this Report or any action as to which this Report relates will be upheld by any review conducted by NHDES or any other party.

APPENDIX B

WOODARD & CURRAN'S PRE-DESIGN INVESTIGATION WORK PLAN

DES Waste Management Division
29 Hazen Drive; PO Box 95
Concord, NH 03302-0095

PRE-DESIGN INVESTIGATION WORKPLAN
Former Salem Wastewater Treatment Facility
346 South Broadwater
Salem, NH 03079

NHDES Site #: GWP-198405033
Project Type: Hazardous Waste Project
Project Number: 91

Prepared For:
Town of Salem, NH
33 Geremonty Drive
Salem, NH 03079
Phone Number (603) 890-2033
RP Contact Name: Dan Hudson
RP Contact Email: dhudson@salemnh.gov



Prepared By:
Woodard & Curran
40 Shattuck Road, Suite 110
Andover, MA 01810
Phone Number (978) 482-7908
Contact Name: Samantha Olney, P.G.
Contact Email: solney@woodardcurran.com

Date of Report: (April 8, 2019)

COMMITMENT & INTEGRITY
DRIVE RESULTS

40 Shattuck Road | Suite 110
Andover, Massachusetts 01810
www.woodardcurran.com

T 866.702.6371
T 978.557.8150
F 978.557.7948

PRE-DESIGN INVESTIGATION WORK PLAN

TO: Sam Quattrini, NHDES

CC: Roy Sorenson, Town of Salem, NH
Dan Hudson, PE, Town of Salem NH

DATE: April 8, 2019

RE: Pre-Design Investigation Work Plan
Former Wastewater Treatment Facility
Salem, New Hampshire

This Pre-Design Investigation Work Plan (Work Plan) was prepared by Woodard & Curran, Inc. at the request of the Town of Salem, NH for the former Salem Wastewater Treatment Facility located on SARL Drive in Salem, New Hampshire (the Site). Woodard & Curran, Inc. was retained by the Town of Salem in November 2018 to continue with response actions for the former wastewater treatment facility.

Historical operations at the Site resulted in releases and/or discharges of volatile organic compounds (VOCs), polychlorinated biphenyls (PCBs), and select metals which have been identified in soil, groundwater, soil vapor, pore water, and/or surface water. The primary constituents of concern that have the largest distribution at the Site are VOCs including trichloroethylene (TCE), tetrachloroethylene (PCE), 1,1,1-trichloroethane (1,1,1-TCA), and associated breakdown constituents. Other VOCs including petroleum/gasoline constituents and carbon tetrachloride were also detected in specific areas of the Site.

Remedial activities have been implemented historically at the site which consisted primarily of bioremediation technologies that were implemented in a downgradient location from source areas and field scale pilot studies using Zero Valent Iron (ZVI) and other bioremediation technologies. These remedial activities ceased in 2007 and 2014, respectively. This Work Plan outlines proposed investigation activities to collect data necessary to further characterize potential source areas and develop a final remedial design to be presented in the forthcoming revised Remedial Action Plan (RAP).

A Site Locus is provided as Figure 1. A Site Plan is provided as Figure 2. A site layout showing former waste water treatment facility features is provided as Figure 3. Historical referenced illustrating former locations of wastewater treatment facility features and other potential sources (former open channel, sludge pits, etc.) are included in Appendix A.

1. INVESTIGATION OBJECTIVES

The primary objectives of the proposed Pre-Design Investigation (PDI) include:

1. Evaluation of soil and groundwater quality in the vicinity of potential source areas to define the extent of contamination; and

2. Collection of data necessary to evaluate remedial alternatives.

Soil samples will be collected in and around potential source areas and will be analyzed primarily for volatile organic compounds (VOCs) to characterize the extent of impacts to soil and groundwater. Select soil samples will also be analyzed for total organic carbon (TOC), grain size, and oxidant demand to support remedial design decisions. Additional monitoring wells will also be installed, and a subsequent site-wide groundwater sampling event will be conducted to further evaluate the presence of VOCs in groundwater in the vicinity of potential source areas. Preliminary locations for monitoring well locations are discussed in the following sections. Additional analyses will also be conducted for select soil and

groundwater samples to evaluate remedial design alternatives, including analyses for additional metals, oxidant demand, grain size/sieve analysis, and other general chemistry parameters.

In addition, in anticipation of on-site use of stockpiled soils, soil samples will be collected from the existing stockpile for the following parameters including: VOCs, semi-volatile organic compounds (SVOCs), total petroleum hydrocarbons (TPH), metals, pesticides, herbicides, PCBs, corrosivity, and reactivity as described further below.

2. INVESTIGATION COMPONENTS

The following sections detail the proposed investigation activities designed to meet the investigation objectives discussed in Section 1. Prior to commencement of investigation activities, a site walk will be conducted to mark out and finalize investigation locations. Sample locations will be field located using a handheld Global Positioning System (GPS) unit and marked with stakes. The sampling locations as shown on Figures 4a and 4b are approximate and may be adjusted based on field observations indicating the presence of potential source areas (e.g. stressed vegetation, mounding, etc.). Locations may be added, removed, or adjusted based on the results of field VOC Headspace screening and visual observations during sampling activities to define the extent of impacts associated with potential source areas.

Dig Safe will also be contacted prior to commencement of investigation activities and pre-clearing activities using vacuum excavation techniques will be completed in developed areas to confirm the presence (or lack of) utilities and other obstructions within the subsurface. Holes will be pre-cleared to a minimum depth of 5 feet below ground surface (bgs). Soil will be placed back down the hole once it is removed and the pavement will be patched to reduce the potential for trip hazards. In the event that utilities are encountered, information including size of pipe, orientation (north, south, east, west), and depth to top of pipe will be documented in the project specific field book and the sample location will subsequently be relocated.

2.1 Stockpile Sampling

As discussed in Section 1, samples will be collected from the existing soil stockpile to characterize the soil in anticipation of reuse on site. The stockpile, which is estimated to include approximately 2,000 cubic yards (CY) of soil, will be divided into four sections. Samples will be collected from a minimum of 5 discrete locations within each section using excavator or backhoe at varying depths but no less than 12-inches below the surface the stockpile. All samples will be screened with a Photoionization Detector (PID). Within each section, the discrete sample with the highest PID screening level will be designated for laboratory analysis of VOCs by EPA method 8260C. Composite samples will be generated for each section from a minimum of five discrete sample locations, resulting in an approximate sample frequency of 1 per 500 CY. To evaluate potential reuse of the stockpiled soil, the four samples will be collected and analyzed for potential constituents of concern listed in NHDES ENV-OR 606.19 Soil Remediation Criteria, Table 600-2 Soil Remediation Standards or the following:

- SVOCs via EPA method 8720D;
- Priority Pollutant 13 Metals including Antimony, Arsenic, Beryllium, Cadmium, Chromium, Lead, Mercury, Nickel, Selenium, Silver, Thallium, via EPA method 6010C/7471B; and
- PCBs via EPA method 8082A.

2.2 Soil Borings and Sampling

A summary of the soil investigation plan is provided in Table 1 and shown on Figures 4a and 4b. Further details regarding the proposed sampling in each Area of Investigation (AOI) are provided below. The spacing of soil sample locations is dependent upon the type of area being sampled, the sampling

objective, and the extent of current data available. The rationale for sample location selection within each AOI is further discussed in the following sections and summarized in Table 1.

Soil samples will be collected in accordance with Woodard & Curran SOP S-1, Standard Operating Procedure for Soil Sampling and Woodard & Curran SOP S-2, Standard Operating Procedure for the Collection and Preservation of Soil Samples for Analysis of VOCs, provided in Appendix B. Borings in the AOIs will be advanced using a direct-push Geoprobe drill rig. Soil samples will be observed and characterized using a modified Burmeister soil classification system and will be field screened with an 11.7 eV PID for VOC levels via the jar headspace method in accordance with Woodard & Curran SOP S-3, Standard Operating Procedure for Headspace Field Screening (Appendix B).

Borings will be extended until the confining layer is encountered. If the confining layer is not encountered, borings will continue to be advanced until a significant reduction in PID results is observed based on professional judgement and PID measurements collected previously at the site. At select locations not located within critical source areas or areas with elevated concentrations of VOCs and only if PID screening results are less than 10 parts per million by volume (ppmv) in the upper hydrogeologic unit, borings may be extended into and through the confining layer into the lower hydrogeologic unit with the Geoprobe drill rig. The purpose of this approach is to expedite site characterization and help define the confining layer and lower hydrogeologic unit VOC concentrations in select locations across the site and in proximity to source areas. The borings that penetrate the confining layer will be backfilled with bentonite chips that will expand and fill the small diameter (2-inch diameter) borehole upon extraction of the macro-core sampler. This approach will limit the potential for vertical migration of contaminants from the upper to the lower hydrogeologic unit. If deeper borings are warranted to assess the lower hydrogeologic unit within source areas, telescoping drilling methods will be used during the monitoring well installation phase of this work. PID results will be documented in the field book and utilized to determine sample selection for laboratory analysis. Soil samples will be analyzed for the following:

- VOCs by EPA Method 8260C (all samples);
- Total Organic Carbon (TOC) by EPA method 9060 (select locations only);
- Grain size by ASTM D 422 (select locations only);
- Oxidant Demand Analysis (select locations only); and
- Total Petroleum Hydrocarbons (TPH) by EPA method 8100 (select locations in AOI #1 to evaluate the former petroleum underground storage tank; UST).

Within each upper hydrogeologic unit boring, the sample collected with the highest PID screening level will be designated for laboratory analysis of VOCs. In deeper borings which extend into the lower hydrogeologic unit, samples with the highest PID screening level will be collected from each hydrogeologic unit and designated for laboratory analysis of VOCs. In approximately every five borings within an AOI, an additional sample will be collected from the bottom of each boring that has a very low or non-detect headspace measurement and submitted for laboratory analysis of VOCs. In addition, up to 10 samples per AOI will be submitted for analysis of TOC and grain size (sieve analysis). Up to four samples will be submitted for oxidant demand analysis in order to obtain data necessary for remedial design, as discussed in further detail below, with two samples collected from within AOI #2 (DNAPL Area; one upper unit sample and one lower unit sample), one sample collected from AOI #1 (Former Waste Water Treatment System Area), and one sample collected from AOI #3 (Other Potential Sources Area).

In addition to the primary samples, quality control samples, including equipment blanks, trip blanks, and field duplicates, will be collected during the sampling program in accordance with the NHDES Hazardous Waste Remediation Bureau (HWRB) Master Quality Assurance Project Plan (QAPP) as follows:

FIELD QUALITY CONTROL SAMPLING PLAN

QC Sample	Frequency	Acceptance Criteria	Corrective Action
Equipment Blanks	One per piece of non-dedicated sample equipment per AOI	No site contaminants are detected	Flag in project report
Trip Blanks	One trip blank per COC per sample cooler	No site contaminants are detected	Flag in project report
Field Duplicates	One field duplicate per 20 samples	RPD +/- 50%	Flag in project report

The following subsections provide further details on the specific investigation objectives, sampling locations, depths, procedures and analysis for each AOI, provided on Figure 2.

2.2.1 AOI #1 Former Waste Water Treatment Facility Area

The specific soil sampling objective for AOI #1 is to characterize and define the extent of contamination associated with the following potential source areas:

- The two former trickling filters;
- The former 200-gallon petroleum UST;
- The former sludge drying beds;
- The former treatment plant outfall; and
- The existing sewer utility.

A total of 24 borings are anticipated to be advanced in AOI #1. Locations were chosen to supplement existing data and evaluate the impact of the potential source areas listed above that have not previously been evaluated.

Borings will be installed at approximately five locations in the vicinity of the trickling filters, with one location to include both a shallow and deep boring to be converted into a monitoring well couplet as discussed in Section 2.3. Five borings will be installed in the vicinity of the former petroleum UST and five borings will be installed in the vicinity of the former sludge drying beds. Three borings will also be installed in the northwest portion of AOI #1 to evaluate the area downgradient of these potential sources in the direction of the wetland. Additional borings will also be installed in the vicinity of the former treatment plant outfall (four of which are located within AOI #1 and 10 of which are located in AOI #5) to a depth of five feet using a hand auger and/or manual Geoprobe. One additional boring will also be installed and converted to a microwell in the fill surrounding the sewer line in AOI #1 to evaluate the potential for preferential migration through the utility fill, as further discussed in Section 2.2.7. Refer to Figure 4a and Table 1 for the boring locations.

2.2.2 AOI #2 DNAPL Area

The specific soil sampling objective for AOI #2 is to characterize and define the extent of contamination associated with the following sources areas:

- The former northernmost sludge pit;
- The former north soil pile (including the area in the vicinity of GZ-TW-1L, where the presence of dense non-aqueous phase liquid [DNAPL] was previously identified);
- The former open drainage channel; and
- The existing sewer utility.

A total of 39 borings are anticipated to be installed in AOI #2. Several historical investigations have been conducted within AOI #2 in the past, including soil samples collected in June and July 2016 as part of the MIP investigation. Investigation locations were chosen based on a review of available historical soil data, to supplement the existing data, and focus data collection efforts on previously uncharacterized areas of AOI#2, namely, the southern portion of AOI #2 near the historic open channel, the eastern portion of AOI #2, the former northernmost sludge pit, and the sewer line.

Borings will be installed at approximately seven locations in the vicinity of the former northernmost sludge pit, seven locations in the vicinity of the former north soil pile, 10 locations near the former open channel, seven locations in the eastern portion of AOI #2, and three borings will also be installed west of the utility corridor to define the extent of elevated VOC concentrations in soil and groundwater. Borings will be advanced until the confining layer is encountered using a direct-push Geoprobe drill rig. It is anticipated that borings at seven of these locations will be extended beyond the confining layer to the lower hydrogeologic unit using telescoping drilling techniques to minimize the potential for vertical migration of contaminants in the upper hydrogeologic unit to the lower hydrogeologic unit. Of these seven locations, one boring will be converted to a monitoring well in the upper hydrogeologic unit. At this time, we do not anticipate a well in the lower unit. However, data collected during this PDI may warrant a well installed in the lower unit. This decision will be made based on field data collected in this AOI. Estimated depth to the confining layer at these locations is presented in Table 1.

In addition, five borings will be installed in the fill surrounding the sewer line in AOI #2 to evaluate the potential for preferential migration through the permeable utility backfill. Three of these locations will be converted to microwells. Refer to Figure 4b and Table 1 for the boring locations.

2.2.3 AOI #3 Other Potential Source Areas

The specific soil sampling objective for AOI #3 is to characterize and define the extent of contamination associated with the following areas:

- The former southernmost sludge pit;
- The former open channel;
- The former southern soil stockpile and associated impacted soil; and
- The existing sewer utility.

A total of 44 borings are anticipated to be advanced in AOI #3. Historical soil analytical data are not available at any location within AOI #3. Based on a review of limited historical field screening data, investigation locations were chosen to evaluate the impact of the potential source areas listed above that have not previously been evaluated. Borings will be installed at approximately 29 locations in the vicinity of the former southernmost sludge pit and former open channel and 13 locations in the vicinity of the former southern soil stockpile. In addition, two borings will be advanced in the fill surrounding the sewer line to evaluate the potential for preferential migration through the permeable utility backfill. One of these locations will be converted to a microwell. Refer to Figure 4a and Table 1 for the boring locations.

2.2.4 AOI #4 Undeveloped Upland Area

The specific soil sampling objective for AOI #4 is to collect data representative of this area to evaluate upgradient conditions. Soil samples have not been historically collected from this area, and only limited field screening data and groundwater data are available. Therefore, a total of three borings are anticipated to be advanced and converted to upper unit monitoring wells to characterize upgradient conditions. Borings will be advanced until the confining layer is encountered using a direct-push Geoprobe drill rig. Estimated depth to the confining layer at these locations is presented in Table 1. Select borings may be advanced through the confining layer depending on field screening results, as described above. Refer to Figure 4a and Table 1 for the boring locations.

2.2.5 AOI #5 Wetland and River Area

The specific soil sampling objectives for AOI #5 are to characterize and define the extent of contamination associated with the former treatment plant outfall and to evaluate impacts to the northwestern portion of the wetland and river area from upgradient sources. A total of 16 borings are anticipated to be advanced in AOI #5. Locations were chosen based on a review of limited historical data, with a primary focus of investigating areas of the wetland not previously characterized but likely to be impacted by upgradient sources.

Borings will be advanced at approximately 10 locations to a depth of 5 feet bgs using a hand auger and/or manual Geoprobe methods near the former treatment plant outfall. Two borings will be converted to piezometers to evaluate shallow groundwater quality in the vicinity of the former outfall. An additional five borings will be advanced across the northwestern portion of the wetland area. One of the five locations will be converted to a piezometer, a second location will be converted to an upper hydrogeologic unit monitoring well, and a third location will include a shallow and deep boring to be converted to a monitoring well couplet as discussed in Section 2.3. Refer to Figure 4a and Table 1 for the boring locations.

2.2.6 AOI #7 Downgradient Area

As part of the scope of work presented herein, monitoring wells GZ-10U and GZ-10L were destroyed and will be replaced as described in Section 2.3. These wells are located west of the Spicket River in AOI #7. During monitoring well installation activities, soil samples may be collected from these borings if PID measurements are elevated above 10 ppmv in the soil and will be submitted for laboratory analysis of VOCs.

2.2.7 Existing Sewer Utility Evaluation

As discussed in Sections 2.1.1, 2.1.2, and 2.1.3 above, samples will be collected from soil surrounding the sewer line in AOI #1, AOI #2, and AOI #3 to evaluate the potential for preferential migration through the utility fill.

In summary, an estimated five borings will be advanced along the utility corridor three of which will be converted to microwells as shown on Figures 4a and 4b and discussed further in Section 2.3. Borings will be advanced until the confining layer is encountered using a direct-push Geoprobe drill rig. Estimated depth to the confining layer at these locations is presented in Table 1. Within each boring, the sample interval with the highest PID screening level will be designated for laboratory analysis of VOCs. In approximately every three to five borings, additional confirmatory samples will be collected from the bottom of each boring and submitted for laboratory analysis of VOCs. Airspace readings will also be recorded from within each of the manholes using a PID.

2.3 Monitoring Well Installation

It is anticipated that two new monitoring well couplets (screened in the upper and lower hydrogeologic units), four upper hydrogeologic unit monitoring wells, and one lower hydrogeologic unit monitoring well will be installed to further characterize and define the extent of groundwater impacts, evaluate groundwater transport pathways, and refine remedial alternatives for the site. Preliminary locations are depicted on Figures 5a and 5b and listed in Table 2. Final locations will be chosen based on the results of the soil investigation and will be communicated to NHDES prior to installation. Monitoring wells GZ-10U and GZ-10L, which were previously destroyed, will be replaced in approximately the same location as the destroyed wells. Routine monitoring of these wells is required as part of the Groundwater Management Permit (GMP) for the site, as discussed in the 2017-2018 Periodic Summary Report submitted in February 2019.

Monitoring wells will generally be installed where soil borings were advanced using a Geoprobe rig and therefore, soil samples will not be collected with the exception of potentially upgradient wells located in AOI#4. For monitoring wells located in AOI #4, soil samples will be collected every five feet during drilling activities for soil classification using a modified Burmeister system and field screening using a PID. Permanent monitoring wells will be installed using a hollow-stem auger or drive and wash drill rig. Wells will be constructed using 2-inch diameter schedule 40 PVC with 10-foot long, 0.010-slotted well screen installed as follows:

- Upper unit wells will be screened across the water table with approximately two to three feet of wells screen above the water table to account for seasonal fluctuations; and
- Lower unit wells will be screened below the confining layer within the interval with the highest PID measurement.

These wells will be finished at the ground surface with J-plugs and protective standpipes for easier identification during sampling events. Following installation, each monitoring well will be manually developed using surge and purge techniques to establish a hydraulic connection between the filter material and the aquifer. Well installation and development will be conducted in accordance with Woodard & Curran SOP S-6, Standard Operating Procedure for Drilling, Monitoring Well Installation and Monitoring Well Development included in Appendix B. Following development, the elevation of each well will be surveyed for incorporation into site plans and determination of potentiometric surface based on a uniform reference point.

It is anticipated that three 1-inch diameter piezometers may be installed within wetland areas associated with the Spicket River in AOI #5 to further evaluate groundwater impacts on the site and prior to the GMZ boundary, as shown on Figure 5a. Piezometers may be installed using a variety of hand methods including hand auger and/or manual Geoprobe setup. Piezometers will be constructed of a stainless steel drive point equipped with a 2-foot screen that will be advanced between approximately 3 and 7 feet bgs and sealed at the surface to the mitigate groundwater/surface water interactions. Threaded steel riser will be used to extend the piezometer to the surface. Piezometers will be surveyed to evaluate groundwater flow conditions.

It is anticipated that five microwells will be installed along the sewer utility corridor to evaluate the potential for preferential migration pathways through the utility backfill, as shown on Figures 5a and 5b. Microwells will be installed using direct push Geoprobe methods and will be constructed of 1-inch diameter schedule 40 PVC with 5-foot long, 0.010-slotted well screen installed across the vertical profile of the sewer utility.

The monitoring well, piezometers, and microwells will be surveyed to evaluate groundwater flow conditions.

2.4 Supplemental Groundwater Gauging and Sampling

Comprehensive groundwater gauging activities will be conducted prior to groundwater sampling activities in June and November and again in the summer of 2019 to evaluate seasonal groundwater flow directions across the site. Groundwater levels and DNAPL thicknesses will be measured at each accessible monitoring well, microwell, and piezometer using an interface probe in accordance with Woodard & Curran SOP S-8, Standard Operating Procedure for Water Level Measurements included in Appendix B. Comprehensive groundwater gauging events will be conducted in the spring, summer, and fall 2019.

Following installation, groundwater samples will be collected from the newly installed monitoring wells, piezometers, and microwells discussed in Section 2.3. In addition, samples will be collected from approximately 37 existing monitoring wells that have not been sampled as part of the annual GMP program. Locations for collecting site-wide groundwater samples are depicted on Figures 5a and 5b and listed in Table 2. These locations were chosen to supplement the annual GMP sampling events and obtain a “snap shot” of groundwater quality across the site.

Samples will be collected using low-flow groundwater sampling techniques in general accordance with Woodard & Curran SOP S-7, Standard Operating Procedure for Low Stress/Low Flow Groundwater Sampling, provided in Appendix B, and *EPA Region 1 Low Stress (low flow) Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells*, Revision 3 (January 19, 2010). Monitoring wells will be purged using peristaltic pumps with high density polyethylene tubing. Field measurements (temperature, specific conductivity [SC], dissolved oxygen [DO], pH, turbidity, and oxidation-reduction potential [ORP]) will be measured using a calibrated hand-held water quality meter during purging. At new well locations, samples will be collected a minimum of seven days following well development. Reusable sampling equipment will be decontaminated between locations.

Groundwater samples will be analyzed for VOCs by EPA method 8260C. Samples from up to 25 monitoring wells will also be collected and analyzed for 1,4-dioxane by 8260 SIM. Samples for 1,4-dioxane will be held at the lab pending results of the VOC analyses (i.e. if concentrations of VOCs required significant sample dilution, 1,4-dioxane will be analyzed via method 8260 SIM to achieve a lower reporting limit.)

To evaluate the potential for *in situ* treatment technologies (chemical and biological), samples from up to 10 locations may also be submitted for analysis of the following:

- Total chromium, total arsenic, total and dissolved iron, total and dissolved manganese by EPA 200.7/200.8/6010C/6020A;
- Hexavalent chromium by EPA 7196A;
- ORP by ASTM D 1498;
- Calcium by SW-846 6010D;
- Silica by SM 4500-SiO2;
- Phosphate by SM 4500P-E;
- Alkalinity by SM 2320B;
- Nitrate by EPA method 353.2/SM 4500NO_3-F;
- Methane, ethane, and ethene by RSK 175;
- TOC by SM 5310C/EPA 9060;
- Chloride by SM 4500CI-E/EPA 9251;
- Phosphorus by EPA 365.2/SM 4500P-E;
- Sulfide by SM 4500S_2-AD/EPA 9030B;
- Ammonia by EPA 350.1/SM 4500NH_3-BH/350.2/SM-4500NH_3-BE; and
- Sulfate by SM 4500SO_4-E/SM 426C/EPA 9038.

2.5 Health and Safety

All work detailed in this Work Plan will be performed in accordance with the site-specific Health and Safety Plan which provides details on potential hazards, personal protection equipment (PPE) and environmental monitoring required during soil and groundwater investigation activities.

2.6 Investigation Derived Waste Management

It is anticipated that investigation derived waste (IDW) generated during Pre-Design Investigation activities may consist of soil cuttings that accumulate during drilling activities and groundwater generated during monitoring well development and sampling. IDW will be managed in general accordance with State and Federal requirements.

Whenever possible, drill cuttings generated during soil boring advancement shall be placed back down the hole from which they were generated. For borings that partially or fully penetrate the confining layer, the hole will be filled with bentonite up through the confining layer then subsequently filled with soil cuttings. In the event that excess soil remains, it shall be containerized in 55-gallon drums.

Groundwater purged from monitoring wells during sampling and/or development activities will be returned to the point of generation. Any solids accumulated during well development will be allowed to settle out and containerized in 55-gallon drums.

Generated drums will be labeled and stored in a secure area pending disposal. NHDES will be notified of waste characterization results and proposed receiving facilities for approval prior to transportation of IDW for off-site disposal.

2.7 Decontamination

Non-disposable tools and equipment used for sampling will be decontaminated between sample locations and at the completion of the activities, as necessary. Following gross decontamination, equipment will be decontaminated through an Alconox™ scrub, followed by a water rinse.

3. DATA MANAGEMENT AND ANALYSIS

The analytical and field results generated as part of the Pre-Design Investigation will be used to further define the lateral and vertical extent of site impacts and for evaluation of potential remedial alternatives for incorporation into the revised RAP. Prior to incorporation into the RAP, data will be evaluated for usability and representativeness. Results of field and lab quality control samples will also be evaluated, and qualifications will be applied to the data, as necessary.

4. SCHEDULE

It is anticipated that Pre-Design Investigation activities will commence within 2 weeks of approval of this Work Plan by NHDES. Work will begin with the proposed soil boring program followed by monitoring well installation and groundwater sampling. It is anticipated that investigation activities will be completed within 4 weeks. If possible, groundwater sampling will be conducted concurrent with the June GMP sampling event.

Attachments: Table 1 – Summary of Proposed Soil Borings
Table 2 – Summary of Proposed Monitoring Well Installation and Sampling
Figure 1 – Site Locus
Figure 2 – Site Plan
Figure 3 – Former Waste Water Treatment Facility Features
Figure 4a – Proposed Soil Investigation Plan
Figure 4b – Proposed Soil Investigation Plan – DNAPL Area
Figure 5a – Proposed Groundwater Investigation Plan
Figure 5b – Proposed Groundwater Investigation Plane – DNAPL Area
Appendix A – Excerpts of Documents for Reference to Historic Features
Appendix B – Standard Operating Procedures

Table 1 Summary of Proposed Soil Borings
Pre-Design Investigation Work Plan
Former WWTF, Salem, NH

Area of Investigation	Potential Source	Total Borings	Number of Analyses				Approximate Depth to Confining Layer (ft bgs)	Rationale
			VOCs	TOC and Grain Size	Oxidant Demand	TPH (DRO/GRO)		
AOI #1 Former WWTF Area	Trickling Filters	6	8	10	1	--	45	Evaluate trickling filters as potential source
	200-gallon UST	5	6			6	15	Evaluate UST as potential source
	Wetland Area	3	4			--	15-20	Limited existing data; additional data needed to characterize wetland impacts
	Sludge Drying Beds	5	6			--	15-20	Evaluate sludge drying beds as potential source
	Sewer Line	1	2			--	35	Evaluate potential for preferential migration through utility corridor
	Treatment Plant Outfall	4	4			--	5[1]	Evaluate treatment plant outfall as potential source
AOI #2 DNAPL Area	North Sludge Pit	7	10	10	2	--	20-25	Evaluate extent of impacts associated with sludge pit
	North Soil Pile/DNAPL Area	7	10			--	20-25	Evaluate extent of impacts and presence of DNAPL
	Historic Open Channel	10	15			--	25-30	Evaluate potential impacts of historic open channel
	Eastern Portion of AOI	7	10			--	20-30	Limited soil data available; additional data needed to evaluate extent of impacts
	West of Utility	3	5			--	25	Evaluate extent of impacts
	Sewer Line	5	5			--	25	Evaluate potential for preferential migration through utility corridor
AOI #3 Other Potential Source Areas	Sludge Pit/Historic Open Channel	29	36	10	1	--	25-30	Limited existing data; additional data needed to evaluate potential impacts of historic open channel and sludge pit
	South Soil Pile/Impacted Soil	13	16			--	20	Limited existing data; additional data needed to evaluate potential impacts of south soil pile
	Sewer Line	2	3			--	10-25	Evaluate potential for preferential migration through utility corridor
AOI #4 Undeveloped Upland Area	--	3	4	--	--	--	20-30	Limited existing data available
AOI #5 Wetland and River Area	Treatment Plant Outfall	10	10	10	--	--	5[1]	Evaluate treatment plant outfall as potential source
	Northwest Wetland	6	8			--	15	Limited existing data; additional data needed to characterize extent of impacts in wetland area

Table 1 Summary of Proposed Soil Borings
Pre-Design Investigation Work Plan
Former WWTF, Salem, NH

Area of Investigation	Potential Source	Total Borings	Number of Analyses				Approximate Depth to Confining Layer (ft bgs)	Rationale
			VOCs	TOC and Grain Size	Oxidant Demand	TPH (DRO/GRO)		
AOI #7 Downgradient Area	GZ-10U/L	2	4	--	--	--	10-15	Monitoring well replacement
	Number of Samples		166	40	4	6		
	Field Duplicates		9	--	--	1		
	Equipment Blanks		6	--	--	1		
	Trip Blanks		10	--	--	1		
	Total Number of Samples		**191**	**40**	**4**	**9**		

Notes:
Approximate depth to confining layer was estimated based on a review of available boring logs.
[1]Borings near the treatment plant oufall will be extended to a depth of approximately 5 ft bgs, rather than extending to the confining layer.
AOI = area of investigation
DNAPL = dense non-aqueous phase liquid
DRO = diesel range organics
ft bgs = feet below ground surface
GRO = gasoline range organics
TOC = total organic carbon
TPH = total petroleum hydrocarbons
UST = underground storage tank
VOC = volatile organic compound
WWTF = wastewater treatment facility

Table 2
Summary of Proposed Monitoring Well Sampling
Former WWTF, Salem, NH

Area of Investigation	Well Type/Name	Hydrogeologic Unit	Number of Samples
Proposed Monitoring Wells			
AOI #1 Former WWTF Area	Monitoring Well Couplet	Upper/Lower	2
	Microwell	Upper	1
AOI #2 DNAPL Area	Monitoring Well	Lower	1
	Monitoring Well	Upper	1
	Microwells (3)	Upper	3
AOI #3 Other Potential Source Areas	Microwell	Upper	1
AOI #4 Undeveloped Upland Area	Monitoring Wells (3)	Upper	3
AOI #5 Wetland and River Area	Piezometers (3)	Upper	3
AOI #7 Downgradient Area	Monitoring Well Couplet	Upper/Lower	2
Existing Wells			
AOI #1 Former WWTF Area	GZ-203L	Lower	1
	GZ-616U	Upper	1
	GZ-620U	Upper	1
	MW-2	Upper	1
AOI #2 DNAPL Area	GZ-508U	Upper	1
	GZ-601U	Upper	1
	GZ-611L	Lower	1
	GZ-611U	Upper	1
	GZ-802UD	Upper	1
	GZ-TW-1L	Lower	1
	GZ-TW-1U	Upper	1
AOI #3 Other Potential Source Areas	GZ-401L	Lower	1
	GZ-5R	Upper	1
	GZ-618U	Upper	1
	GZ-3B[1]	Bedrock	1
AOI #4 Undeveloped Upland Area	GZ-407L	Lower	1
	GZ-407U	Upper	1
	GZ-501U	Upper	1

Table 2
Summary of Proposed Monitoring Well Sampling
Former WWTF, Salem, NH

Area of Investigation	Well Type/Name	Hydrogeologic Unit	Number of Samples
AOI #5 Wetland and River Area	GZ-403L	Lower	1
	GZ-403U	Upper	1
	GZ-404U[1]	Upper	1
	GZ-410	Upper	1
	GZ-4L	Lower	1
	GZ-4U	Upper	1
	GZ-701L	Lower	1
	GZ-701U	Upper	1
	GZ-901L	Lower	1
	GZ-901U	Upper	1
	GZ-902L	Lower	1
	GZ-902M	Lower	1
	GZ-902U	Upper	1
	MW-1D	Lower	1
	MW-1S	Upper	1
AOI #6 Upgradient Area	GZ-1B	Bedrock	1
	GZ-1L	Lower	1
	GZ-1U	Upper	1
	GZ-6	Upper	1

Number of Samples	54
Field Duplicates	3
MS/MSDs	3
Equipment Blanks	3
Trip Blanks	3
Field Blanks	3
Total Number of Samples	**69**

Notes:
[1]These wells are sampled for 1,4-dioxane as part of the GMP June sampling event. Additional VOC samples will therefore be collected from these wells in addition to the required GMP samples.
AOI = area of investigation
DNAPL = dense non-aqueous phase liquid
WWTF = wastewater treatment facility

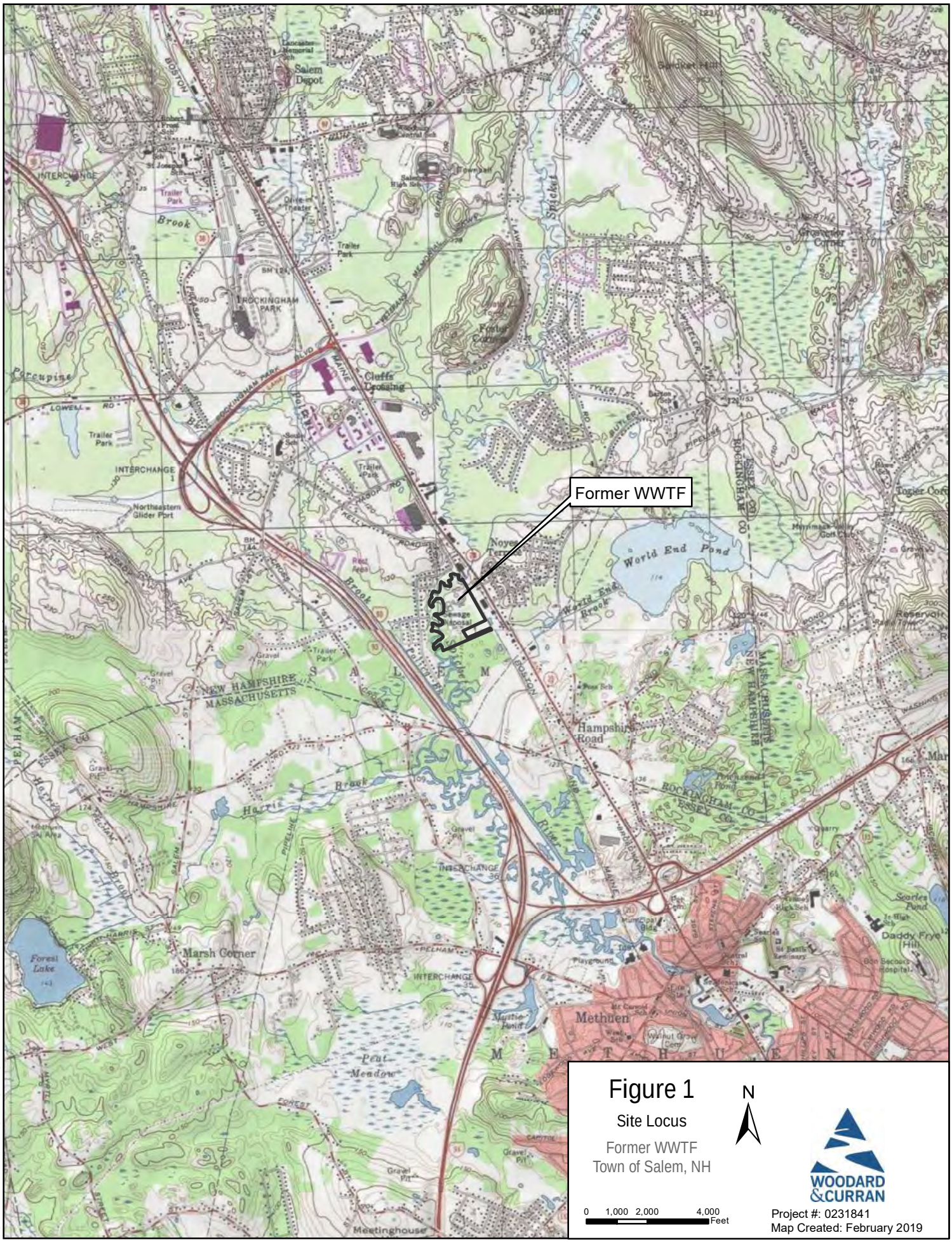


Figure Exported: 2/10/2019 By: soiney Using: \\woodardcurran.net\shared\Projects\0231841.00 Salem NH - Former WWTF\wip\GIS\MXDs\2019.01 PSR\Fig. 1 - Site Locus.mxd

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Figure 2

Site Plan

Former WWTF
Town of Salem, NH

N

Legend

- Investigation Sub Area
- Former WWTF Features & Potential Sources of Contamination
- Impacted Soil
- Former Open Channel
- Monitoring Well
- Test Well
- Surface Water
- Staff Gauge
- Sewer Manhole
- Fence
- GMZ Boundary
- Recreational Trail
- Parcel Boundaries (Town of Salem)
- Sewer Line
- Wetland Boundary
- Surface Water

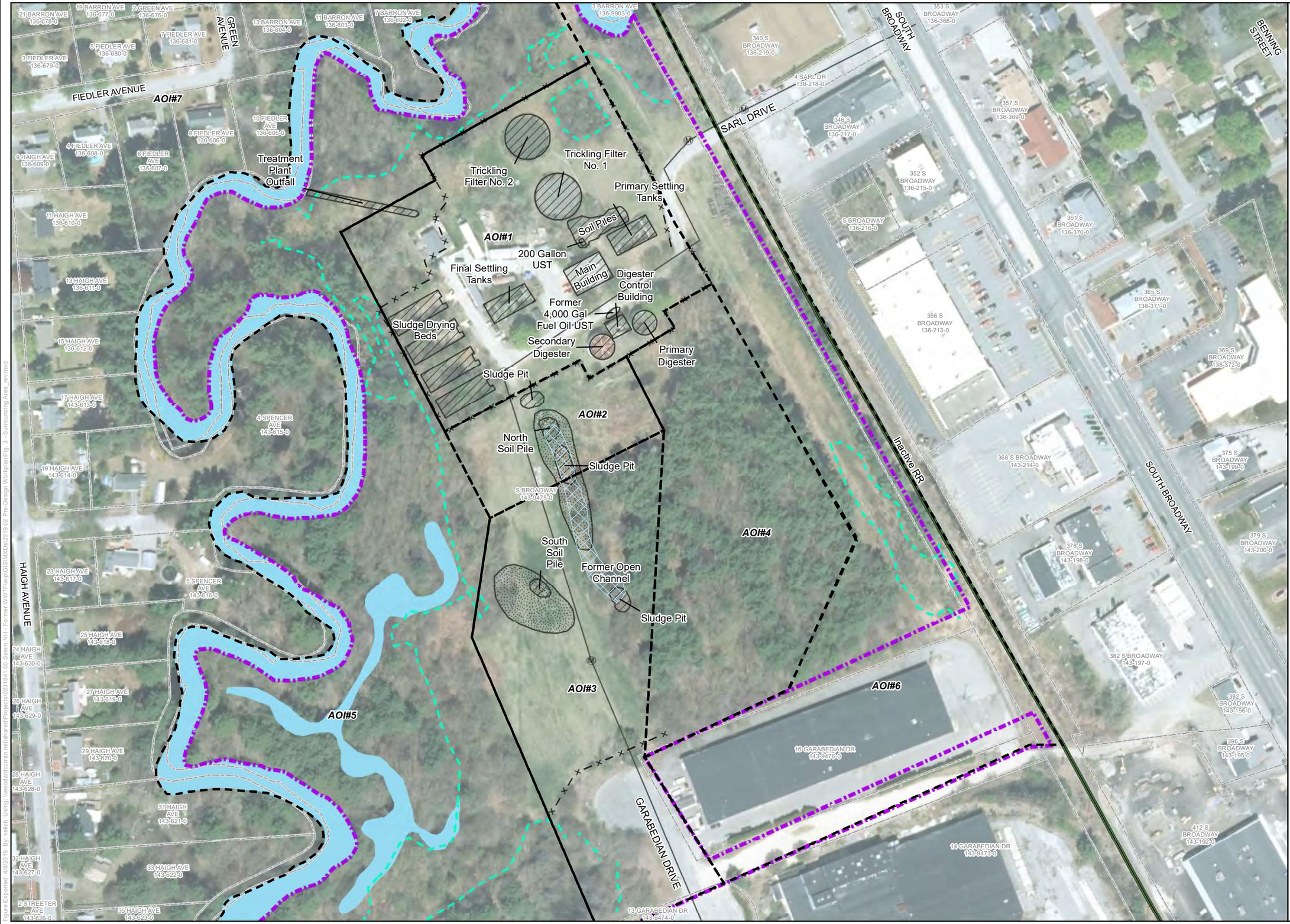
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Project #: 0231841.00
Map Created: April 2019

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Figure 3

Former Waste Water Treatment Facility Features

Former WWTF
Town of Salem, NH

Legend

- Investigation Sub Area
- Former WWTF Features & Potential Sources of Contamination
- Impacted Soil
- Former Open Channel
- Sewer Manhole
- Fence
- GMZ Boundary
- Recreational Trail
- Parcel Boundaries (Town of Salem)
- Sewer Line
- Wetland Boundary
- Surface Water

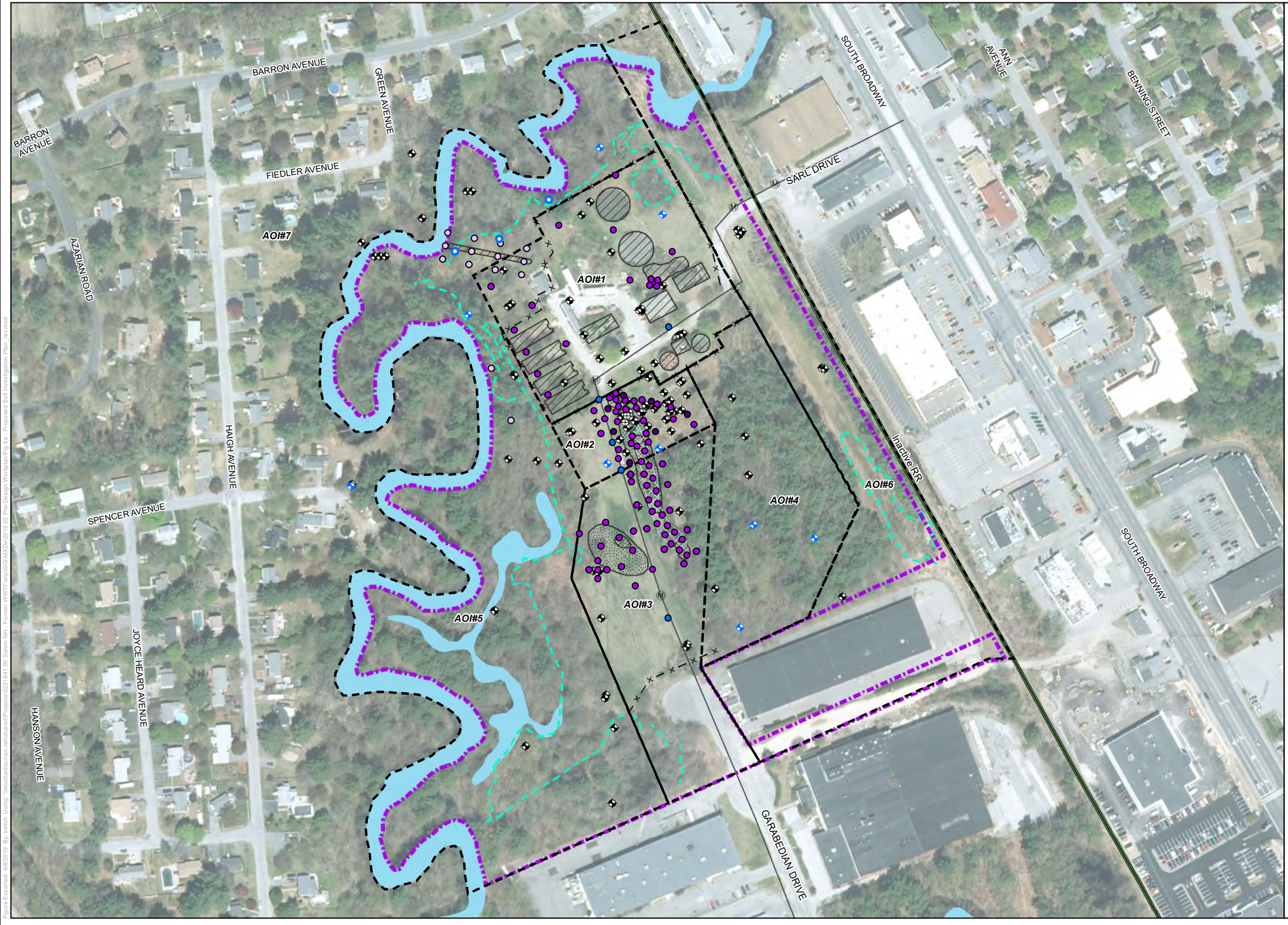
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WOODARD &CURRAN

Project #: 0231841.00
Map Created: February 2019

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Figure 4a

Proposed Soil Investigation Plan

Former WWTF
Town of Salem, NH

Legend

Proposed Investigation Locations

- Soil Boring
- Hand Boring
- Deep Soil Boring
- Microwell
- Piezometer
- Monitoring Well

Existing Wells

- Monitoring Well
- Test Well
- Investigation Sub Area
- Former WWTF Features & Potential Sources of Contamination
- Impacted Soil
- Former Open Channel
- Sewer Manhole
- Fence
- GMZ Boundary
- Recreational Trail
- Sewer Line
- Wetland Boundary
- Surface Water

0 100 200 Feet

WOODARD &CURRAN

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Figure Exported: 4/8/2019 By: kelich Using: \\woodardcurran.net\shared\Projects\0231841.00 Salem NH - Former WWTF\wip\GIS\MXDs\2019.02 Pre-Design Workplan\Fig 4a - Proposed Soil Investigation Plan_rev.mxd



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Figure 4b

Proposed Soil Investigation Plan - DNAPL Area
Former WWTF
Town of Salem, NH

Legend

Proposed Investigation Locations

- Soil Boring
- Microwell
- Deep Soil Boring
- Monitoring Well

Existing Wells

- Monitoring Well
- Test Well
- Investigation Sub Area
- Former WWTF Features & Potential Sources of Contamination
- Impacted Soil
- Former Open Channel
- Sewer Manhole
- Fence
- GMZ Boundary
- Recreational Trail
- Sewer Line
- Wetland Boundary
- Surface Water

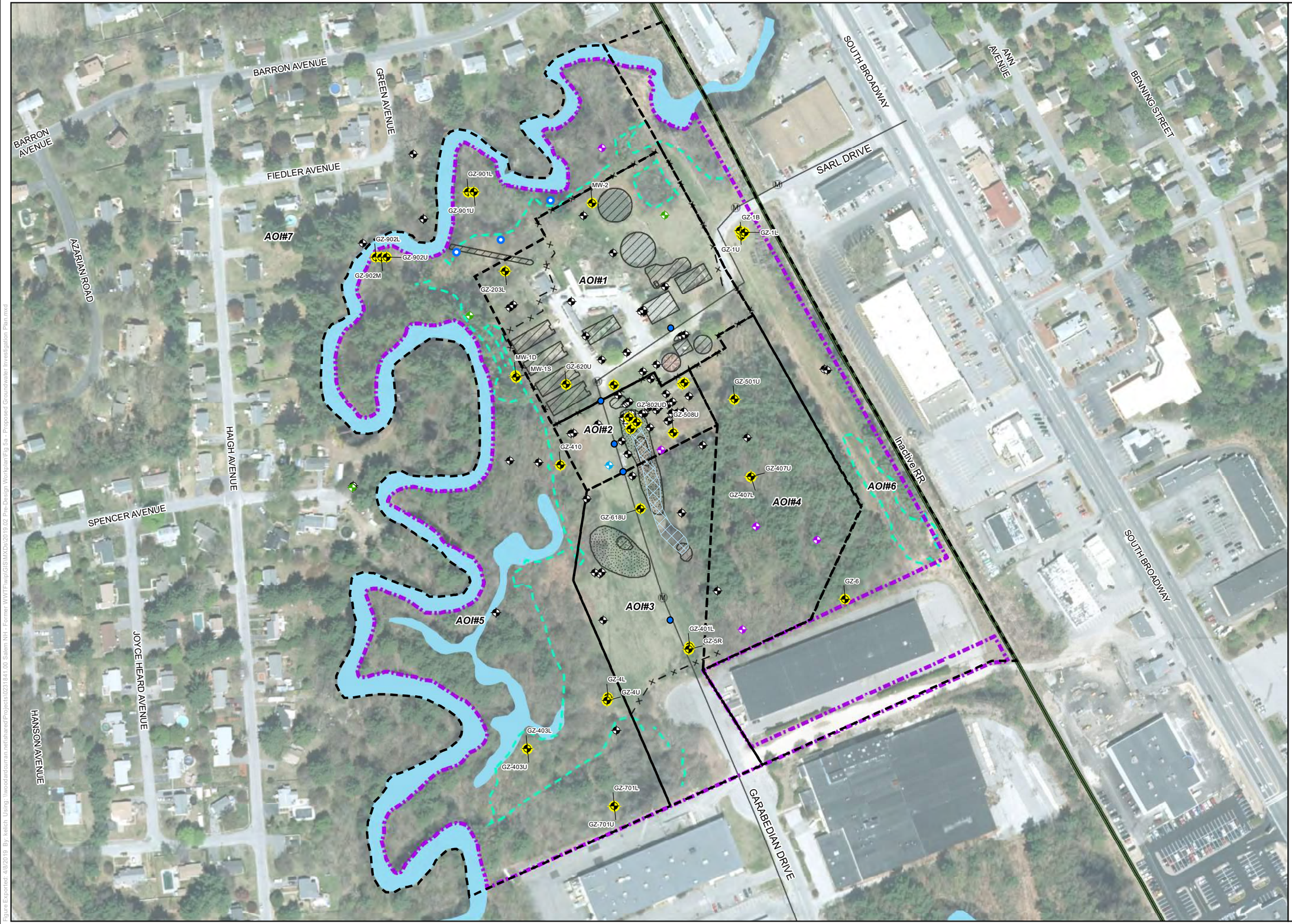
0 15 30 Feet

WOODARD &CURRAN

Project #: 0231841.00
Map Created: April 2019

Third Party GIS Disclaimer: This map is for reference and graphical purposes only and should not be relied upon by third parties for any legal decisions. Any reliance upon the map or data contained herein shall be at the users' sole risk. **Data Sources: ESRI, Town of Salem, NH, NHGRANIT**

Figure Exported: 4/8/2019 By: kelich Using: \\woodardcurran.net\shared\Projects\0231841.00 Salem NH - Former WWTF\wip\GIS\MXDs\2019.02 Pre-Design Workplan\Fig 4b - Proposed Soil Investigation Plan - DNAPL Area_rev.mxd



N

Figure 5a

Proposed Groundwater Investigation Plan
Former WWTF
Town of Salem, NH

Legend

Proposed Investigation Locations

- Upper Unit Well
- Lower Unit Well
- Monitoring Well Couplet
- Microwell
- Piezometer
- Supplemental GW Sampling Event (existing well)

Existing Wells

- Monitoring Well
- Test Well
- Investigation Sub Area
- Former WWTF Features & Potential Sources of Contamination
- Impacted Soil
- Former Open Channel
- Sewer Manhole
- Fence
- GMZ Boundary
- Recreational Trail
- Sewer Line
- Wetland Boundary
- Surface Water

0 100 200 Feet

WOODARD &CURRAN

Project #: 0231841.00
Map Created: March 2019

Third Party GIS Disclaimer: This map is for reference and graphical purposes only and should not be relied upon by third parties for any legal decisions. Any reliance upon the map or data contained herein shall be at the users' sole risk. **Data Sources: ESRI, Town of Salem, NH, NHGRANIT**

Figure Exported: 4/8/2019 By: kelich Using: \\woodardcurran.net\shared\Projects\0231841.00 Salem NH - Former WWTF\wip\GIS\MXDs\2019.02 Pre-Design Workplan\Fig 5a - Proposed Groundwater Investigation Plan.mxd



N

Figure 5b

Proposed Groundwater Investigation Plan - DNAPL Area
Former WWTF
Town of Salem, NH

Legend

Proposed Investigation Locations

- Upper Unit Well
- Lower Unit Well
- Monitoring Well Couplet
- Microwell
- Piezometer
- Supplemental GW Sampling Event (existing well)

Existing Wells

LAYER

- Monitoring Well
- Test Well
- Investigation Sub Area
- Former WWTF Features & Potential Sources of Contamination
- Impacted Soil
- Former Open Channel
- Sewer Manhole
- Fence
- GMZ Boundary
- Recreational Trail
- Sewer Line
- Wetland Boundary
- Surface Water

0 15 30 Feet

WOODARD &CURRAN

Project #: 0231841.00
Map Created: March 2019

Third Party GIS Disclaimer: This map is for reference and graphical purposes only and should not be relied upon by third parties for any legal decisions. Any reliance upon the map or data contained herein shall be at the users' sole risk. **Data Sources: ESRI, Town of Salem, NH, NHGRANIT**

Figure Exported: 4/8/2019 By: kelich Using: \\woodardcurran.net\shared\Projects\0231841.00 Salem NH - Former WWTF\wip\GIS\MXDs\2019.02 Pre-Design Workplan\Fig 5b - Proposed Groundwater Investigation Plan - DNAPL Area.mxd

APPENDIX A: EXCERPTS OF DOCUMENTS FOR REFERENCE TO HISTORIC FEATURES

Appendix E – Historical Aerial Photographs


Rockingham
1962
1:2500
N
W
E
S
200 100 0 200 Feet
NH GRANIT



1966


Rockingham
1974
1:2500
N
W
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200 100 0 200 Feet
NH GRANIT


Rockingham
1998
1:2500
N
W
E
S
200 100 0 200 Feet
NH GRANIT


Rockingham
2003
1:2500
N
W
E
S
200 100 0 200 Feet
NH GRANIT


Rockingham
2005
1:2500
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200 100 0 200 Feet
NH GRANIT


Rockingham
2009
1:2500
N
W
E
S
200 100 0 200 Feet
NH GRANIT

SECTION B-B
Scale: 1"=10'

3'-0" Min. Cover
24" R.C.P.

NOTE: TRICKLING FILTER NO. 2, DOSE STORM WATE PUMPING STATION RELATED PIPING AND ELECTRICAL CONDUIT DELETED FROM CONTRACT BY ...

LEGEND

	EXISTING CONTOURS
	FINISHED CONTOURS
	DRAINAGE SWALES
119.5	FINISHED GRADE ELEVATION
E.F.W.	EFFLUENT FLUSHING WATER
W.I.	WROUGHT IRON
P.V.C.	POLYVINAL CHLORIDE
R.S.	RAW SEWAGE
P.S.	PRIMARY SLUDGE
H.S.	HUMUS SLUDGE
F.E.	FILTER EFFLUENT
M.H.	MANHOLE
R.C.P.	REINFORCED CONCRETE PIPE
	GATE VALVE
H.W.	HOT WATER
S.O.	SUPERNATANT OVERFLOW
D.S.	DIGESTED SLUDGE
V.C.	VITRIFIED CLAY
G.C.	GATE CHAMBER
B#8	BORING NO. 8
	WOVEN WIRE FENCE

NOTES

1. ALL EXTERIOR YARD PIPING SHALL BE CAST-IRON PIPE UNLESS OTHERWISE INDICATED.
2. ROAD PLAN AND PROFILE, WALKS, LANDSCAPING, AND MISCELLANEOUS DETAILS ON SHEET C-2
3. PEA STONE SHALL BE LAID TO A DEPTH OF 3-INCHES.
4. PIPE ELEVATIONS ARE CENTERLINE ELEVATIONS UNLESS OTHERWISE NOTED.
5. REINFORCED CONCRETE PIPE SHALL BE CLASS III EXCEPT AS OTHERWISE INDICATED.
6. BORING LOGS ARE BOUND IN THE BACK OF THE SPECIFICATIONS.

NO.	DATE	REVISION	MADE BY	CHECKED BY	DESCRIPTION
1	9/11/65		E.A.H.	H.E.	RECORD DRAWING

RECORD DRAWING

TOWN OF SALEM, N.H.

SEWAGE TREATMENT PLANT

GRADING PLAN, BORING LOCATIONS, & EXTERIOR PIPING

SCALE, AS SHOWN JAN. 1963

METCALF & EDDY
ENGINEERS
BOSTON, MASS.

H 33879 1

APPROVED
FOR METCALF & EDDY, ENGINEERS
REG. PROF. ENGR. N.H. NO. 606 — 1/22/63 DATE

DRAWN BY
TRACED BY
CHECKED BY

SCALE IN FEET
SCALE 1" = 20'-0"

* DOES NOT APPLY WHEN DRAWING SIZE HAS BEEN CHANGED BY REPRODUCTION

CONTRACT 63-1 SHEET C-

APPENDIX B : STANDARD OPERATING PROCEDURES

SOP S-1

STANDARD OPERATING PROCEDURE FOR SOIL SAMPLING

Woodard & Curran, Inc.

Soil samples will be collected using a sample collection device that is appropriate for the environment and type of sample required. Samples may be collected using mechanical methods (split spoons, direct push) or hand collection techniques (hand augers, trowels, spoons, etc.) as required by physical characteristics and location of soil.

Equipment:

- Sample containers and labels.
- Sample collection device (soil auger, GeoProbe, or hand-held coring device).
- Personal protective clothing and equipment as required by a site-specific HSP.
- Photo ionization detector (PID), as appropriate (for VOCs only).
- Stainless steel or aluminum bowl and scoops.
- PVC or metal sleeve, if collecting samples from two depth intervals from a location where the water table is shallow table or wet conditions are expected.
- Hammer
- Decontamination equipment and supplies.
- Field logbook or sample collection sheets.
- Insulated cooler and ice.

Surficial Soil Sampling Procedure

1. Identify sample locations.
2. Clear ground surface of stones, vegetation, debris, etc.
3. Use a clean stainless steel trowel or hand auger to collect soil from the soil surface to the bottom of the depth interval. A trowel should be used for collecting shallow samples (as deep as approximately 4 inches), while a hand auger should be used for deeper samples or when the soil is compacted. Sufficient soil should be collected to fill the required sample containers.
4. If soil is to be analyzed for Volatile Organic Compounds (VOCs) or Gasoline Range Organics (GRO) collect and preserve samples in accordance with USEPA Method 5035A and Woodard & Curran S-2 immediately upon exposing the soil. VOC and/or GRO samples should be collected from the least disturbed portion of the desired interval. Undisturbed soil should be sampled prior to transferring the sample from the sampling equipment.
5. If conducting headspace VOC screening, soils will be placed immediately proper receptacle for screening in accordance with Woodard & Curran S-3.
6. If sub-sampling the primary sample in the field or compositing multiple primary samples in the field, place the sample into a glass or stainless steel homogenization container. Large rocks and organic debris should be removed. Each aliquot of a composite sample should be of the same approximate volume. All soil samples must be thoroughly mixed to ensure that the sample is as representative as possible of the sample media. *Samples for VOC and GRO analyses are not homogenized* (see step 4). The most common method of mixing is referred to as quartering. The quartering

procedure should be performed as follows:

- The material in the sample pan should be divided into quarters and each quarter should be mixed individually.
- Two quarters should then be mixed to form halves.
- The two halves should be mixed for form a homogenous matrix. This procedure should be repeated several times until the sample is adequately mixed.
- When using a round bowl, adequate mixing is achieved by stirring the material in a circular fashion, reversing direction, and occasionally turning the material over.

7. Transfer soil to appropriate sample containers using a stainless steel spoon taking care to completely fill containers where possible. Collect samples in their order of sensitivity to volatilization from most sensitive to least as follows: volatile organic compounds (must be collect prior to homogenization), petroleum hydrocarbons (volatile fraction), petroleum hydrocarbons (non-volatile fraction), semi-volatile organic compounds, metals, and lastly any other inorganic compounds. Fill QA/QC samples in accordance with the work plan.
8. Record sample characteristics (e.g., sample time, sample ID, location, depth, method, description, etc.) in field log. Soil classification will be made in the field in accordance with the Modified Burmister Soil Classification System.
9. Place sample container(s) and appropriate QA/QC samples as specified in the work plan into a sample cooler with ice. (Temperature should be a maximum of 4 +/-2 degrees Celsius [°C] upon laboratory receipt of samples).
10. Complete chain of custody, note that all samples are to be analyzed for percent solids.
11. Decontaminate sample equipment per Woodard & Curran S-11.

Note: If a soil sample must be collected from the bottom or sidewalls of an excavation pit or trench that is unsafe to enter on foot, soil may be collected from the bucket of the excavator. The excavator operator will scrape the desired area to be sampled, and the sampler will collect soils from the middle of the bucket that have not been in contact with the sides or bottom of the bucket.

Subsurface Soil Sampling Procedure

Subsurface soil samples may be collected using a wide variety of methods including but not limited to, split-spoon samplers, direct push core samplers, and hand augers. The Macro-Core® (MC) sampler is a solid barrel direct push sampler equipped with a piston-rod point assembly used primarily for collection of either continuous or discrete subsurface soil samples.

When using direct push sampling methods the following considerations should be taken:

- *Liner Use* – Due to the mode of operation, the samples must be collected with a liner.

- *Sample Orientation* – When the liners and associated sample are removed from the sampler, it is important to maintain the proper orientation of the sample. This is particularly important when multiple sample depths are collected from the same push. It is also important to maintain proper orientation to define precisely the depth at which an aliquot was collected. Orientation will be indicated by marking on the exterior of the liner with a permanent marker.
- *Core Catchers* – Occasionally the material being sampled lacks cohesiveness and is subject to crumbling and falling out of the sample liner. The use of core catchers on the leading end of the sampler may help retain the sample until it is retrieved to the surface.
- *VOC Sample Collection* - Observe precautions for volatile organic compound sample collection outlined in Woodard & Curran S-2.

Subsurface soil samples will be collected in accordance with the following methodology:

1. Advance MC sampler (or similar) to required depth. If an obstruction is encountered, the sampling location should be moved 2 feet from the original location until required depth is achieved. Retrieve sampler.
2. Open the sample liner.
3. Complete soil sampling procedure as per Surficial Soil Sampling steps 4 through 11 above.

Subsurface Soil Sampling Procedure (shallow water table)

The following steps will be followed when collecting soil samples in a floodplain or wetland environment from multiple depth intervals from a single sample location. These procedures assume that a device such as a hand auger or hand-held corer will be used to collect the sample. This procedure is designed to limit the degree to which water and suspended fine material from the upper sampling intervals may cross-contaminate deeper sample intervals. The maximum practical depth of sampling for this procedure may be limited to as little as 2 feet below ground surface, depending on the nature of the substrate.

1. Identify sample locations.
2. Clear ground surface of stones, vegetation, debris, etc.
3. Push or hammer a PVC or metal sleeve into the soil at the sampling location. The sleeve should be advanced to the bottom depth of the first sample interval.
4. Use a hand auger to collect soil from the surface to the bottom of the first depth interval. Sufficient soil should be collected to fill the required sample containers.
5. Use a clean stainless steel or plastic spoon to remove excess soil from the first sample interval from the sample hole.
6. Complete soil sampling procedure as per Surficial Soil Sampling steps 4 through 11 above. Ensure that samples contain a minimum of 30 percent solids. If the material has a high liquid content, allow the sample to settle and then slowly decant excess water. When decanting excess water, care should be taken to retain fine-grained

solids.

7. Repeat steps 3 through 6 for the next sample interval at the sample location.

QA/QC

QA/QC procedures are outlined in the sampling procedures discussed above. Duplicates, blanks, and spikes will be incorporated into the work plan to assess potential for sampling, shipping, and laboratory impacts on data quality.

Field duplicates are independent samples taken from the same location at approximately the same time. Field duplicate sampling is simply taking a second, independent, follow-up sample at the same location. Field duplicates provide an indicator of overall precision and measure the representativeness of the sample.

For this procedure, collect the regular sample first and then the duplicate for each analyte group in consecutive order (VOC original, VOC duplicate, SVOC original, SVOC duplicate, etc.). Field duplicates should be collected and analyzed at the frequency stated in the work plan. Treat the duplicate sample jars just as you would a normal sample.

SOP S-2

STANDARD OPERATING PROCEDURE FOR THE COLLECTION AND PRESERVATION OF SOIL SAMPLES FOR ANALYSIS OF VOLATILE ORGANIC COMPOUNDS (Method 5035A)

Woodard & Curran, Inc.

Summary

Soil samples collected for analysis of Volatile Organic Compounds (VOCs) will be collected and preserved in accordance with the requirements of USEPA Method 5035A guidance.

Soil samples will be collected or preserved as soon as possible following collection. Care should be taken to limit the exposure of the soil samples to environmental stresses such as wind, rain, and direct sunlight.

Soil samples will be preserved or analyzed within 48 hours of sample collection (Note: freezing the sample stops the clock until thawing occurs). Care should be taken to adequately schedule sample pick up or delivery.

Equipment:

- Field logbook or sampling sheets.
- Pre-weighed, pre-preserved sample containers; 1 methanol preserved and 2 sodium bisulfate preserved VOA vials per sample interval (or other preservation as required by the work plan) and 1 additional non-preserved sample container.
- Wide mouth soil jars for headspace determination.
- Sample labels and Chains of Custody.
- Field Scale.
- Syringe type soil sampling device.
- Insulated cooler and ice.
- Decontamination equipment and supplies.
- Personal protective clothing and equipment as required by the site-specific HSP.

Soil Sampling Procedure

Each soil sample will be collected and preserved in a timely manner. All soil samples should be collected in accordance with the requirements of the work plan.

1. Perform test sampling as necessary to provide collection of the correct weight of sample within each soil syringe.
2. Weigh each individual VOA vial and record the results, unless vial is pre-weighed by the laboratory.
3. Collect soil sample as per Woodard & Curran S-1.
4. Perform visual inspection of the sample.
5. Using the soil sampling syringe, collect 5 grams (or as specified by laboratory and/or work plan) of soil and extrude sample into the first sodium bisulfate preserved VOA vial for low-level VOC analysis.

6. Repeat Step 5 for the second low level VOC analysis vial.
7. Using the soil sampling syringe collect 10 grams of soil (or as specified by laboratory and/or work plan) and extrude sample into the Methanol preserved VOA vial.
8. If vials were not pre-weighed at the laboratory, weigh each VOA vial and record the results to meet required sample weight.
9. Collect at least 20 grams of soil for moisture content analysis.
10. Record samples (e.g., sample ID, location, depth, method, description, etc.) in the field logbook or sampling sheets.
11. Place sample container(s) and QA/QC samples as specified in the work plan into a sample cooler with ice. (Temperature should be a maximum of 4 +/- 2 degrees Celsius [°C] upon laboratory receipt of samples).
12. Complete chain of custody.
13. Decontaminate sample equipment per the work plan.

QA/QC

QA/QC procedures should be followed in accordance with the site-specific work plan. Duplicate, matrix spike, and matrix spike duplicate samples should be collected as necessary by alternately filling the appropriate sample containers for the primary and QA samples.

SOP S-3

STANDARD OPERATING PROCEDURE FOR HEADSPACE FIELD SCREENING

Woodard & Curran, Inc.

This guideline describes the procedure for performing soil headspace measurements on soil samples collected during soil sampling/drilling/boring activities.

Equipment:

- Glass jars or Ziploc type bags
- Field book or sampling logs
- Aluminum foil
- Hand held photoionization detector (PID)
- Calibration gas (100 ppm isobutylene)
- Tedlar bag
- Short piece of plastic tubing
- Sample containers
- Field logbook
- Decontamination equipment and supplies
- Personal protective equipment as required by the site-specific HSP
- Cooler with ice

Procedure

Soil samples collected during drilling will be analyzed with a photoionization detector (PID) by the soil headspace screening procedure. Note: the following calibration steps are for a commonly used PID (e.g., MiniRAE 2000 or equivalent). Specific calibration steps will differ based on the individual unit used.

Calibration

- Select "Fresh Air Cal" from the calibration sub-menu.
- Ensure that the unit is in an area free of organic vapors.
- Press the "Y/+" key to begin the calibration.
- When the calibration is complete, return to the calibration sub-menu.
- Fill a Tedlar bag with 100 ppm isobutylene.
- Connect the PID to the Tedlar bag with a short piece of plastic tubing.
- Select "Span Cal?" from the calibration sub-menu.
- Attach the Tedlar bag to the intake of the PID. The unit will begin to count down while calibrating.
- The instrument will indicate when calibration is complete.
- Check the PID reading against the span calibration gas, the reading should be within +/- 10% of the known span gas concentration.

Sampling

- Once PID calibration is complete, fill glass jar or Ziploc bag half way with the soil sample to be analyzed.
- Close the sample container.
- Allow headspace development for 10 minutes at room temperature. Vigorously shake the sample for 15 seconds at the start and end of the headspace development period.
- Remove the screw cap and puncture the foil seal or bag with the instrument sampling probe.
- Record the highest meter response as the headspace concentration. Response should be observed within 3-5 seconds (or as specified by operators manual). Erratic meter response may be due to high organic levels, humidity, and/or moisture.

QA/QC

The calibration of the PID should be checked at the end of the field day by taking a measurement of the span calibration gas. The reading should be within +/-25% of the known concentration. If the observed value falls outside of this range, record this in the field notes and the data may be qualified as "estimated" with the direction of bias. If the calibration check grossly exceeds the criteria, (i.e. +/-50%), the Project Manager will be notified and will make the determination as to whether to reject the data or resample.

SOP S-6

STANDARD OPERATING PROCEDURE FOR DRILLING, MONITORING WELL INSTALLATION AND MONITORING WELL DEVELOPMENT

Woodard & Curran, Inc.

Summary

Soil and bedrock borings are advanced to investigate subsurface conditions. In nearly all cases, a drilling subcontractor will be retained to advance subsurface borings and install monitoring wells. Many of the steps presented below will be completed by the drilling contractor. Drilling operations can be hazardous to inexperienced staff, proper training and supervision is critical. This SOP covers the use of a drilling rig to advance borings by various methods (e.g., hollow stem auger, drive and wash, direct-mud rotary, direct-push, rotosonic, coring, and hand augering). Specific drilling methods will be determined based on field observations such as drill rig access and formation materials as well as the data quality objectives for the data to be collected. Materials generated during boring and well installation activities should be managed in accordance with the work plan. Monitoring wells may be installed in borings based on scope of work plan. Monitoring wells are used to collect groundwater samples and evaluate hydraulic conditions.

Equipment:

- Drilling or auguring equipment appropriate to site conditions, drilling depth, and other project requirements.
- Drill bits/tooling appropriate for the expected soil and rock type(s) to be encountered.
- Instrumentation appropriate for high-resolution subsurface characterization (if applicable). This equipment are used in direct-push applications to obtain high-resolution hydraulic and geochemical data. These instruments are often proprietary technologies provided by drilling contractors.
- Threaded flush-joint riser pipe of an approved material [stainless steel, polyvinyl chloride (PVC]. **(NOTE: No glues are permitted.)**
- Threaded flush-joint slotted screen of an approved material (stainless steel, PVC) to meet design criteria. **(NOTE: No glues are permitted.)**
- Properly sized and washed filter pack material (quartz sand) in sufficient volume to meet well design criteria.
- Bentonite
- Cement-bentonite grout (if required).
- Photoionization detector.
- Explosimeter (if applicable).
- Steel surface casing (if required).
- Steel protective casing with locking cap.
- Tremie pump and pipe.
- Personal protective clothing and equipment as required in the site-specific HSP.
- Weighted measuring tape.

Overburden Drilling and Well Installation Procedure

The following steps will be followed when advancing soil borings and installing monitoring wells:

1. Advance the borehole in overburden deposits to the required depth. If soil samples are to be collected for laboratory analysis or classification, Woodard & Curran S-1 shall be followed. If the drill rig is equipped with high-resolution direct sensing equipment (e.g., membrane interface probe [MIP], cone penetrometer [CPT]), real-time data may be used to assess modifications to the drilling program.
2. If installing a monitoring well, the borehole should be drilled slightly deeper than required for the combined length of casing and screen.
3. Withdraw the drill rods and bit through the auger flights or steel casing. Check the borehole depth with a weighted tape.
4. Lower the casing string into the drill casing.
5. Install the filter pack. Six inches or more of filter pack material should be spotted at the bottom of the hole, under the screen. Filter pack will be installed to 2 to 3 feet above the top of the screen.
6. Check the depth to the top of the filter pack with a weighted tape.
7. Install bentonite onto the top of the filter pack using caution to avoid bridging. The bentonite seal will be at least 2 feet thick unless restricted by depth to the ground surface. The bentonite seal should be adequately hydrated prior to continuation of well construction.
8. When appropriate, a cement-bentonite grout (Volclay or equivalent) will be used as the annular seal, grout will be mechanically mixed with water. For shallow wells (approximately < 35 feet) granular bentonite may be substituted for grout. In some locations, the use of native material to fill the annular space is appropriate.
9. Tremie the grout into the annulus using a tremie pipe from the bottom. Slowly withdraw the tremie pipe as the annulus fills. Grout the well to within 2 to 3 feet of the surface but not higher than the average frost line. Compare actual volume of grout placed with calculated volume. Both should be annotated in the field logbook.
10. After installing grout, dismantle and clean tremie equipment.
11. Install protective casing (road box or standpipe). A concrete pad may be added. If a pad is used, it should be installed so that it slopes away from the wellhead in all directions with a minimum thickness of 4 inches. If weather conditions warrant, cover the concrete until cured. Lock the well cover.
12. If the well design specified guard posts, dig the holes and set the guard posts in concrete separate from the concrete pad. Posts and concrete must extend to a depth of 2 feet.

13. Record the appropriate construction/completion information in the field logbook and on the appropriate monitoring well installation.
14. The well identification should be marked on the protective casing and PVC cap.

Bedrock Drilling

Advancement of bedrock boreholes may occur using a variety of drilling techniques (e.g., air rotary, percussion hammer, rotosonic, coring). These methods are preceded by steps used to isolate the overburden and bedrock aquifers. Discuss project objectives with the drilling contractor prior to bedrock borehole advancement. Frequent communication with the drilling contractor is required to understand fugitive data and observations which may indicate water-bearing zones and rock competency based on fluid loss, changes in recirculation water, downhole drilling rates, or any other conditions which may suggest intersection of key bedrock features or changes in rock type.

1. Advance the borehole in overburden deposits to the top of bedrock. Use telescopic methods during casing advancement as needed. Extend boring into bedrock 3-5 feet for confirmation. Depending on the method selected review drill cuttings, core runs, etc. to determine competent bedrock has been reached.
2. Firmly seat outer casing in bedrock. Depending on project objectives, casing may be grouted in place and allowed to cure prior to continuation of bedrock drilling. In lieu of grouting, outer casing may be seated by percussive or air rotary methods to seat casing in competent rock. Confirm compatibility of drill casing with tooling used to extend the borehole in bedrock to support evacuation of drill cuttings and core barrel removal.
3. For grouted casing, wait a minimum of 24-hours for the grout to cure prior to resuming borehole drilling.
4. Prepare drill tooling for continuation of the bedrock borehole.
5. Resume drilling in bedrock based on selected method. For air rotary methods, observe cuttings to evaluate lithologic changes. If coring is selected, advance the core barrel in minimum 5-foot intervals (or “runs”) with care taken to remove cores in the correct orientation during transfer to dedicated boxes for logging by the field geologist.
6. Note any changes in water loss or difficulty removing drill cuttings.
7. Extend the drill string as necessary to the desired depth
8. Once the target depth is achieved, remove any residual cuttings from the bottom of the borehole with shortened drill strokes to ensure all cuttings/rock is removed. Flush the borehole with clean water and observe changes in recirculation water clarity to determine effectiveness. If the borehole is slightly overextended, additional filter sand may be added to depth.

Well Development

Monitoring wells are developed to remove skin (i.e., near-well-bore formation damage), to settle and remove fines from the filter pack, and to restore/improve the hydraulic connection between the well and the aquifer. When bentonite grout is used to seal the annular space, wells should not be developed for 48 hours after installation. However, wells may be developed before grouting if conditions warrant.

Equipment Needed:

- Pump (whale pump, peristaltic pump, or Grundfos pump) and pump tubing (if overpumping)
- Surge block (if surging)
- Water-level meter.
- Tubidimeter.
- Personnel protective equipment as specified in the site-specific HSP.
- Decontamination supplies.
- Disposal drums, if required.

Procedure

The following steps will be followed when developing wells:

1. Open and check the condition of the wellhead, including the condition of the surveyed reference mark, if any. Use a photoionization detector (PID) at wellhead to determine the presence of VOCs (if applicable).
2. Determine the depth to static water level and depth to bottom of the casing.
3. Prepare the necessary equipment for developing the well. There are a number of techniques that can be used to develop a well. Some of the more common methods are surge and purge and overpumping.
    - Surge and Purge
        - The surge block should be moved up and down the screened well interval several times. The objective is to move fine sediment from the filter pack into the well casing.
        - After several rounds of surging, a submersible pump is used to remove fine material from the well. The pump should be moved up and down the screened interval of the well until clear water is produced.
    - Overpumping
        1. Begin pumping water from the well at a high enough rate that the water level in the well drops as low as possible.
        2. Allow the well to recharge.

3. Continue overpumping and recharging the well until sediment free water is produced.

   Overpumping is a less vigorous well development method than surging. Previous well development techniques at the site should be reviewed to determine which methods are most successful and appropriate. Surging should not be used in formations with a high clay content due to the potential for the well screen to become clogged.

4. Continue well development until produced water is clear and generally free of suspended solids. A turbidimeter may be used to assist with this determination.
5. Remove the pump assembly or bailers from the well, decontaminate, and clean up the site.
6. Lock the well cover before leaving. Dispose of produced water as required by the project work plan.

Consistent with standard practice and to preclude collection of samples that are not representative of the groundwater. Monitoring wells should not be sampled within a minimum of 24 hours of development. Greater than 48 hours between development and sampling is preferable.

References

Monitoring Well Installation; SOP# 2048 Rev 0.0; 1996; Rhode Island Department of Environmental Management

Best Management Practices for Well Drilling Operations; WD-WSEB-21-4; 2004; New Hampshire Department of Environmental Services

Standard Reference for Monitoring Wells; Massachusetts Department of Environmental Protection

SOP S-7

STANDARD OPERATING PROCEDURE FOR
LOW STRESS/LOW FLOW
GROUNDWATER SAMPLING

Woodard & Curran, Inc.

Groundwater samples will be collected in general accordance with USEPA Region 1 *Low Stress (low flow) Purging and Sampling Procedure for the Collection of Ground Water Samples from Monitoring Wells* (EPA, July 30, 1996, revised January 19, 2010) (attached). Groundwater samples will be collected in pre-preserved laboratory provided sample containers. Prior to initiating groundwater sampling field activities, a review of the requirements for groundwater sample containers and preservatives in the work plan will be conducted.

Equipment:

- Adjustable rate submersible or peristaltic pump as specified in the work plan.
- Polyethylene tubing (new or dedicated for each location).
- Water level measuring device capable of measuring to 0.01 foot accuracy.
- Flow measurement supplies (graduated cylinder and stop watch).
- Pump power supply.
- Personal protective clothing and equipment as required in the site-specific HSP.
- Photoionization Detector.
- YSI, Quanta or similar multi-meter with flow cell (or separate individual meters) to measure: Temperature, specific conductance, pH, ORP, and dissolved oxygen (DO).
- Lamotte or similar turbidimeter as required by the work plan.
- Calibration standards for field water quality parameters.
- 0.45 micron filters
- Appropriate sample containers with required preservative and labels.
- Field logbook or sample sheets.
- Cooler with ice.
- Three way valve — used with short section of tubing to bypass sampling train for turbidity readings. Groundwater is collected from the valve when it's opened rather than from the discharge tubing of the flow cell. This eliminates collection of fine materials that have accumulated in the flow cell during the course of the purging process.
- Decontamination supplies.
- Well keys.
- Boring/ monitoring well logs for appropriate sampling locations.

Sampling Procedure

The steps listed below will generally be followed when collecting and preserving groundwater samples.

1. The multi-parameter device and turbidimeter should be calibrated at the beginning of each sampling day in accordance with the manufacturer's instructions. Calibration results should be within the stabilization value for the given parameter standard (I.e. Within +/- 0.1 SU for pH 7)

2. Measure and record water level in accordance with Woodard & Curran S-8.
3. Slowly lower submersible pump or pump intake tubing to pre-determined depth. Do not

bottom measure pump intake depth (i.e. lower pump/tubing to bottom of well and pull back to depth). If sampling from a borehole equipped with a multi-level sample port system, use the dedicated tube for the intended sample depth.

3. Set up remainder of sample train including flow cell, instrumentation, and purge buckets (See Figure 1).
4. Start pump, begin purge at low flow rate, and monitor drawdown. Initial purging activity should focus on minimizing drawdown and stabilizing water level in the well. Stabilized purge rate should be ideally between 50 and 400 ml/min. In accordance with USEPA Low Flow Sampling Guidance, the flow rate must be able to "turn over" at least one flow-through-cell volume between measurements.
5. Purge the well while monitoring and recording the following parameters in the field logbook or on the sample sheet at 3 to 5 minute intervals: water level (drawdown); pumping rate; dissolved oxygen (DO); temperature; specific conductivity (SpCond); pH; oxidation-reduction potential (ORP); and turbidity. Continue purging until field parameters have stabilized. Stabilization is considered achieved when three consecutive reading taken between 3 to 5 minutes apart are within the following limits:
    - Temperature — 3%
    - Specific Conductance — 3%
    - DO — 10% for values greater than 0.5 mg/L; if three DO values are less than 0.5 mg/L, consider the values as stabilized.
    - Turbidity — 10% for values >5 NTU; if three Turbidity values are less than 5 NTU, consider the values as stabilized.
    - pH +/- 0.1 standard unit
    - ORP +/- 10 mV

    The stabilization goals may not be achievable in all geological formations. A reasonable effort will be made to achieve stabilization of field parameters. However, if stabilization is not achieved within 60 minutes, it will be noted in the field log book or on the field sheet, and samples will be collected.
6. Disconnect flow cell and collect groundwater samples from pump discharge tubing in appropriate sample containers as specified in the work plan. During sample collection, allow sample to flow down inside of container to minimize turbulence.
7. Place labeled sample container(s) and appropriate QA/QC samples as specified in the work plan into a sample cooler with ice. (Temperature should be a maximum of 4°C +/- 2°C upon laboratory receipt of samples)
8. Record samples (e.g., sample ID, location, method, etc.) in the field logbook or on sample sheets.
9. Complete chain of custody and include in sample shipment.
10. Check equipment calibration at the completion of each sampling day.

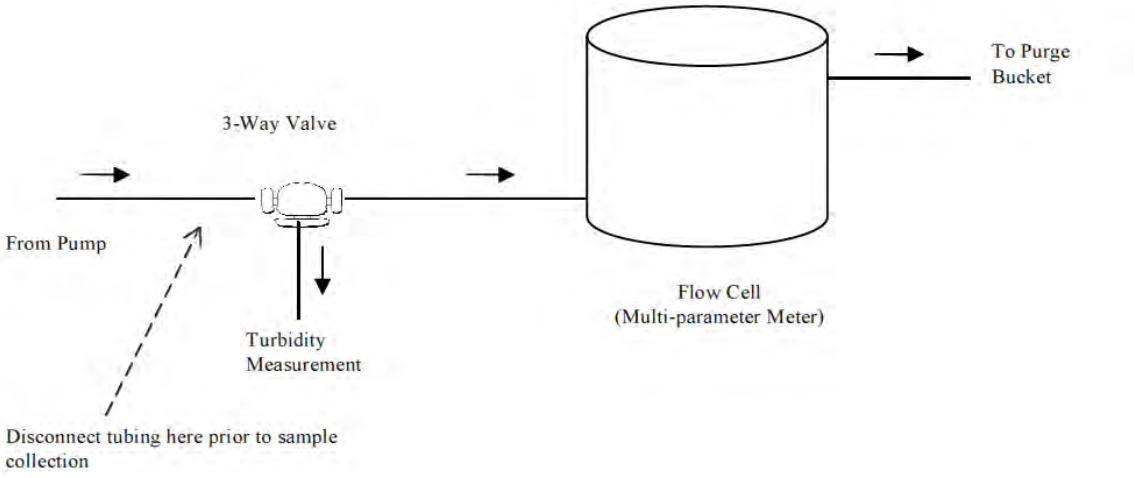
QA/QC

QA/QC procedures are outlined in the sampling procedures discussed above. Duplicates, blanks, and spikes have been incorporated into the work plan to assess potential for sampling, shipping, and laboratory impacts on data quality.

Field duplicates are independent samples taken from the same location at approximately the same time. Field duplicate sampling is simply taking a second, independent, follow-up sample at the same location. Field duplicates provide an indicator of overall precision and measure the representativeness of the sample.

For this procedure, collect the regular sample first and then the duplicate for each analyte group in consecutive order (VOC original, VOC duplicate, SVOC original, SVOC duplicate, etc.). Field duplicates should be collected and analyzed at the frequency stated in the work plan. Treat the duplicate sample bottles just as you would a normal sample.

Figure 1



References

USEPA Low-Flow Ground Water Sampling Procedure; EPA/540/5-95/504, 1996 (Rev. January 19, 2010).

USEPA Low Stress (Low-Flow) Purging and Sampling Procedure for the Collection of Ground Water Samples from Monitoring Wells(Rev. 2), July 30, 1996, Rev. January 19, 2010.

SOP S-8

STANDARD OPERATING PROCEDURE FOR WATER LEVEL MEASUREMENTS

Woodard & Curran, Inc.

Water level measurements will be collected to measure and monitor groundwater flow direction and hydraulic gradient. Water levels will be measured at each existing and accessible monitoring wells, temporary well points, and stream piezometers as required.

Equipment:

- Electronic water level indicator or chemical/water interface probe (Solonist Models 101 or 122, or similar instrument) capable of measuring to 0.01 foot.
- Photoionization detector (PID).
- Well keys.
- Miscellaneous items such as pens, markers, paper towels, hand broom, clipboard, etc.
- Field Log Book or sample sheets.
- Personal Protective Equipment as outlined in the site-specific HSP
- Decontamination supplies

Procedure

The following steps will be followed when performing groundwater elevation monitoring.

- Prior to starting water elevation monitoring, decontaminate the water level meter or interface probes and check that it is in proper working condition.
- If multiple field crews perform elevation monitoring, calibration measurements will be conducted at the beginning of the measurement round. Calibration is completed by taking a measurement in a single location, by each of the field crews, using their assigned water level meter or interface probe. This process will evaluate if there are variations in the instruments or in the manner in which each of the field crews reads the tape measure scale on the instruments.
- Prior to opening the protective casing or flush mount roadbox, clear away dirt, debris, or liquid from the vicinity of the monitoring well. Once the protective cover is removed, clean/remove debris from the interior of the casing/roadbox and around watertight seals. During this process, any damage to the roadbox, protective casing, or monitoring well should be recorded in the field book or sample sheet.
- Measurements shall be collected from a previously marked measuring point on the riser (groundwater monitoring wells are typically marked on the PVC riser).
- If the highest point on the riser is too deep within the well casing to reach and/or read the measurement on the water level meter tape, the depth to water measurement shall be collected from the top of the protective casing. If not marked, measure to the highest point on the riser.
- Measure and record the depth to water (DTW). If non-aqueous phase liquid (NAPL) is known or suspected in a monitoring well, use an interface probe to check and measure the presence of a NAPL layer.
- Secure the protective casing or flush mount roadbox.

QA/QC

Two measurements shall be collected at each location to verify that the water level was at static conditions as well as confirm that the monitoring well was not under pressure (positive or negative) when the J-plug was removed. The measurements shall be collected a minimum of 10 seconds apart. If the measurements are not equal, then continue measuring the water level in 10-second intervals until a stable reading (0.01 feet difference) is achieved.

SOP S-11

STANDARD OPERATING PROCEDURE FOR EQUIPMENT DECONTAMINATION

Woodard & Curran, Inc.

Decontamination of field equipment is necessary to ensure the quality of samples by preventing cross-contamination. In addition, decontamination reduces health hazards and prevents the spread of contaminants off-site.

Equipment:

Large/heavy Equipment (i.e., Drill rigs, backhoes, augers, drill pipe, bits, casing, and screen):

- High-pressure pump with steam-spray unit.
- Stiff-bristle brushes.

Small/sampling equipment (i.e., Split spoons, bailers, bowls, and pumps):

- Non-phosphate detergent (Alconox).
- Polyethylene sheeting.
- Stiff-bristle brushes.
- Wash bottles or manual pump sprayer.
- Methanol.
- Distilled or Deionized water.
- Tap water.

Heavy Equipment Procedure

The following steps will be followed when decontaminating large/heavy equipment:

1. The drilling contractor will construct a decontamination area, if required, at a designated area on site of 6-mil polyethylene (or other suitable material), large enough to capture decontamination fluids. Depending on site conditions and nature of decontamination fluids, equipment may be decontaminated at each exploration location and decontamination fluids allowed to infiltrate back into the ground.
2. Drill rigs and tools will be cleaned between each location and prior to the initiation of any sampling.
3. Spray areas exposed to contaminated soils using steam or high-pressure sprayer. Be sure to spray down all surfaces, including the undercarriage.
4. Document that decontamination was performed in the appropriate log book.
5. Decontamination fluids will be handled and disposed of in accordance with the work plan.

Sampling Equipment Procedure

All expendable equipment (e.g., sample tubing, probe sleeves, etc.) will be replaced prior to collection of each sample. Reusable equipment (e.g., pumps, hand augers, probing equipment, etc.) that comes in direct contact with the sample will be decontaminated according to the procedures below. Use the following procedure prior to collecting the first sample, between samples, and after the final sample:

1. Set up a decontamination line. The decontamination line should progress from "dirty" to "clean", with an area for drying decontaminated equipment. The decontamination line should be set up on polyethylene sheeting.
2. Wash the item thoroughly in a bucket of soapy water (tap water). Use a stiff-bristle brush to dislodge any clinging dirt. Disassemble any items that might trap contaminants internally before washing. Do not reassemble until decontamination is complete.
3. Rinse the item in a bucket containing clear tap water. Rinse water should be replaced as needed.
4. Flush and rinse with distilled or deionized water
5. Flush and rinse with methanol if samples are being collected for certain organic analyses. Allow to air dry
6. Document that decontamination was performed in the appropriate logbook or sample sheet.
7. Decontamination water will be managed in accordance with the work plan.

Pump Procedure

The following steps will be followed when decontaminating pumps:

1. Pumps should be set-up in the same configuration as for sampling. Flush the pump with potable water.
2. Submerge pump intake (or pump if submersible) and all downhole wetted parts (tubing, piping, foot valve) in soapy water. Pump a minimum of three pump assembly volumes of soapy water through the entire assembly. Note: If dedicated tubing is used for monitoring wells, the tubing will not need to be decontaminated.
3. Replace soapy water with potable water. All downhole wetted parts must be immersed in the potable water rinse. Pump a minimum of three pump assembly volumes of clean water through the entire assembly.
4. Proceed with Sampling Equipment Procedure steps 3 through 7 above.

QA/QC

The SSO or designated alternate will monitor decontamination procedures to ensure that they have been completed according to the procedures outlined above. Equipment blanks will be collected and analyzed throughout the program to determine the effectiveness of decontamination procedures. Blank number and frequencies are presented in the work plan.

APPENDIX C

KEY INFORMATION FROM HISTORICAL INVESTIGATIONS AND REMEDIAL ACTIVITIES

APPENDIX C.1

SUMMARY OF PREVIOUS INVESTIGATIONS AND REMEDIAL ACTIVITIES (EXCERPTED FROM WOODARD & CURRAN'S 2019 PERIODIC SUMMARY REPORT)

3. SUMMARY OF PREVIOUS INVESTIGATIONS AND REMEDIAL ACTIVITIES

Environmental investigation and remediation activities have been ongoing at the site since the late 1980s. The following provides an overview of major activities conducted at the site based on a review of available historical documents:

1987 – 1988 Hydrogeologic Study. In March 1986, suspected subsurface contamination was encountered on site during construction of a sewer main (in AOI # 2 and #3). Soil and groundwater samples were subsequently collected from the excavation area and reportedly contained high concentrations of TCE and its degradation products, in addition to other common industrial solvents. The New Hampshire Water Supply and Pollution Control Division requested that the Town of Salem submit a work plan to characterize the contamination and prevent any migration of the contamination off-site. A field investigation was conducted from approximately July through October 1987, and a report summarizing the findings of the investigation was submitted in March 1988 (GZA 1988). The report identified the presence of a potential contaminant source area located in or near the northwestern part of the wooded portion of the site (in AOI # 3). The report also identified the presence of a groundwater contaminant plume in the central portion of the site (AOI #1), with VOC contamination apparent in both the upper and lower hydrogeologic units. Contaminant constituents were predominantly TCE and its degradation constituents, other chlorinated organic solvents, and various aromatic hydrocarbons associated with petroleum. Additional investigations were recommended to further characterize groundwater hydrology and evaluate the extent, migration, and fate of contaminants at the site.

1988 – 1989 Phase II Hydrogeologic Study. Based on the results of the previous hydrogeologic study, a supplemental field investigation was conducted from approximately September 1988 through February 1989, and a report summarizing the findings of the investigation was submitted in December 1989 (GZA 1989). The report identified additional source areas for groundwater contamination: 1) two areas of subsurface soil contamination, and 2) two stockpiles that were constructed during excavation activities completed for sewer line construction. These sources were designated the north and south contaminates soils areas (AOI #3), respectively (GZA 1997). The report recommended remedial action to control and treat contaminated soil and groundwater at the site, and also recommended implementation of a groundwater and surface water monitoring program for the site (GZA 1989).

1992 – 1996 Remedial Design Program. Based on the findings of previous investigations and at the request of NHDES, a two-part remedial design program was implemented for the site. Part 1 was conducted from January to July 1992 and included a water quality and source area assessment to further delineate the nature of subsurface contamination at the site (GZA 1997). A memorandum summarizing this assessment was submitted on July 17, 1992, the primary conclusions of which were 1) site groundwater was likely not impacting off-site receptors, and 2) soil contamination within the northern and southern contaminated soil areas (AOI #3) had extended to groundwater (GZA 1997). A bioremediation screening study was then conducted in 1995 (Part 2 of the Remedial Design Program), the results of which were summarized in a July 18, 1996 Status Report provided to NHDES (GZA 1996). The findings of the screening study indicated that VOCs were likely undergoing intrinsic bioremediation (i.e., natural attenuation) at the site driven by historic co-disposal of sludge/septage (GZA 1996). A subsequent lab-scale feasibility study was initiated in April 1996 and completed in September 1996, as summarized in the Remedial Action Plan (RAP) submitted in April 1997 (GZA 1997).

April 1997 Remedial Action Plan. A RAP for the site was submitted in April 1997 and approved by NHDES on June 20, 1997. Based on the results of previous investigations and the lab-scale feasibility study, the proposed remedial action consisted of enhanced bioremediation with natural attenuation to remediate groundwater (GZA 1997). Remediation of residual vadose zone soils and the two stockpiles in AOI # 3 was deemed unnecessary based on the results of additional sampling conducted in July 1996 and an associated Residual Soil Source Evaluation submitted as part of the RAP (GZA 1997).

1997 – 1999 Pilot-Scale Enhanced Reductive Dechlorination (ERD). Pilot-scale ERD injections began in July 1997 in the southern portion of the site (AOI #3. A report summarizing the results of the pilot study was submitted on May

26, 1999, and recommended implementation of a full-scale bioremediation system (GZA 1999a). A work plan for expanding the pilot-scale system to a full-scale system for the was submitted on September 29,1999 (GZA 1999b) and approved in November 1999 (NHDES 1999).

2000 – 2007 Full-Scale ERD (AOI #3. Full-scale ERD was implemented in the southern site portion between 2000 and 2003 (lower hydrogeologic unit) and 2000 and 2007 (upper hydrogeologic unit) (GZA 2005, GZA 2015) in accordance with the 1999 work plan. At the request of NHDES, a data gap investigation consisting of additional subsurface investigation and a conservative tracer study was conducted between 2004 and 2006 to further evaluate the extent of VOC contamination in groundwater and the approximate area of influence of the full-scale system (GZA 2006). The full-scale upper hydrogeologic unit system ceased operation in September 2007 due to the results of data gap investigations conducted during 2006 and 2007, which indicated the primary source area was located to the east and upgradient of the injection areas (GZA 2015).

2004 Data Gap Investigation. A work plan was submitted in May 2003 for supplemental investigation focused on the northern site portion (AOI #2) to address issues raised by the March 2002 Preliminary Site Assessment (GZA 2003). The scope of work included investigation of PCBs in basement water in the main building and additional subsurface investigation in the northern site portion. The work was conducted from January to November 2004 and results were reported in the 2004 Annual Summary Report (GZA 2005).

July 2005 RAP Update. A RAP update was included in the 2004 Annual Summary Report to address the contamination identified in 2004 in the northern portion of the Site (GZA 2005). The RAP update proposed implementation of an ERD pilot study to evaluate whether full-scale ERD could be expanded to treat the lower hydrogeologic unit in the northern portion of the Site (AOI #2). The RAP update also proposed work to address PCB-contaminated water in the basement of the main building.

2006 Source Area Data Gap Investigation. A source area data gap investigation was conducted from approximately April through October 2006, the results of which were summarized in a letter report prepared in June 2007 (GZA 2007). The goal of the investigation was to further evaluate the extent of an identified TCE “hotspot” in the vicinity of well couplet GZ-405U/L in the southern portion of the site (AOI # 2). The investigation was conducted at the Town’s request due to previous detection of elevated chlorinated VOC concentrations in groundwater in the vicinity of a constructed wetland as part of improvements to Route 93. The constructed wetlands were not completed as part of the Route 93 project.

2006 – 2008 ERD Pilot Study, Lower Hydrogeologic Unit. An ERD pilot study was initiated in October 2006 with injections into the lower hydrogeologic unit focused on the identified TCE hotspot in AOI # 2. Early results of the pilot test showed increasing TCE concentrations, which were thought to be due to TCE mobilization or dissolution of DNAPL perhaps related to cosolvency effects (GZA 2012). The study was terminated in 2008 due to unexpected subsurface conditions, which indicated the TCE hotspot was much larger than anticipated (GZA 2009).

2007 Data Gap Investigation. During 2007, a data gap investigation was conducted to further refine the CSM relative to the primary TCE source area in AOI #2 (GZA 2017). The results were reported to NHDES in a Data Gap Investigation Report submitted on June 9, 2008 (NHDES 2009).

2009 – 2014 Supplemental Site Investigations. In response to NHDES comments on the 2007 Data Gap Investigation (NHDES 2009), a work plan was submitted to NHDES in June 2010 proposing various additional evaluation and investigation activities related to PCB-contaminated water in the basement of the main building, effects of ERD injections on water quality, potential impacts to groundwater north of Spicket River, presence of source mass in shallow soils, delineation of the source area, and presence of DNAPL. Comments on this work plan were received from NHDES in January 2011, and results of these activities were reported in 2010 – 2011 Annual Summary Report (GZA 2012). Subsequent letters from NHDES were received on July 1, 2013 commenting on the 2010 – 2011 Annual

Summary Report and February 25, 2014 commenting on the 2012 Annual Summary Report, both of which requested additional related investigation activities. These additional activities were largely conducted in 2013 and 2014. Additional sampling activities were also conducted in 2013 and 2014 to further evaluate the impacts of VOCs in groundwater in the vicinity of potentially occupied structures.

2013 - 2015 ZVI/ERD Treatability and Pilot Studies. Beginning in approximately July 2013, a laboratory-scale ZVI/ERD treatability study was conducted for 12 weeks. Based on the results of this study, a work plan was submitted in May 2014 for a field-scale pilot study in the upper hydrogeologic unit source area, the objective of which was to further evaluate the effectiveness of combined ZVI and ERD treatment for potential full-scale implementation (GZA 2014). Results of the laboratory-scale study were favorable according to GZA and were reported in a memorandum attached to pilot study work plan. The work plan was approved by NHDES on August 12, 2014 and the pilot test was implemented in October 2014. Results of the pilot study, which indicated that a full scale ERD/ZVI alternative were feasible for remediation of chlorinated VOCs in the upper hydrogeologic unit, are discussed in detail in the August 2015 RAP addendum and the 2014 annual summary report.

2014 – 2015 Vapor Intrusion Study and Groundwater Management Zone (GMZ) Evaluation. In September 2014, a work plan was submitted to evaluate the transport of VOCs west and northwest of the Spicket River (AOI #5). This work was proposed based on the results of well rehabilitation and installation activities conducted in 2013 and 2014. The proposed activities included soil vapor sampling, installation and sampling of groundwater monitoring wells, and collection of pore water samples from beneath the Spicket River. A letter report summarizing the results of these activities was submitted in February 2015. The report generally concluded that the existing GMZ was adequate, and that the data collected did not indicate potential for vapor migration to buildings on residential properties west of the Spicket Rivet. Sediment pore water samples were collected in July 2015 and indicated that site VOCs were discharging to the Spicket River (GZA 2017).

August 2015 RAP Addendum. A RAP addendum was submitted in August 2015 and approved by NHDES in October 2015 (NHDES 2015). The addendum was prepared following supplemental remedial pilot testing (as discussed above) and also addressed petroleum-related VOC soil and groundwater contamination, in addition to TCE-related contamination at the site. The proposed remedial approach included a combination of in-situ ZVI and ERD treatment, along with excavation of vadose zone soils and possible excavation of soils in the upper hydrogeologic unit. The addendum proposed the use of MIP and direct push soil sampling to further characterize the primary source area in order to finalize the remedial design (GZA 2015).

November 2015 MIP survey and June 2016 Soil Sampling. A MIP survey and confirmatory soil sampling were completed in November 2015 and June 2016, respectively, to further delineate the source area. Results were incorporated into the revised CSM included in the 2015 and 2016 Periodic Summary Report (GZA 2017).

August 2016 Hydraulic Testing. Hydraulic testing was conducted in the upper hydrogeologic unit of the source area to evaluate the feasibility of dewatering and groundwater treatment for potential soil excavation alternative (GZA 2017).

May 2017 Work Plan for Removal and Treatment of PCB-Impacted Water. A work plan outlining planned dewatering activities and treatment of PCB-impacted water from site structures was submitted on May 26, 2017. Water samples collected from site structures were collected in April 2017 and confirmed the presence of low levels of PCBs. Activities described in the work plan were originally scheduled to be completed in mid-2017.

APPENDIX C.2

ANALYTICAL DATA TABLES FROM PREVIOUS INVESTIGATIONS

TABLE C.2.1
ANALYTICAL DATA TABLES FROM PREVIOUS INVESTIGATIONS FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Lab Report ID												
Sample Identification	**NHDES Soil**	**MIP-4 0-5ft 26in**	**MIP-4 5-10ft 33in**	**MIP-4 20-25ft 0-12in**	**MIP-4 24-29ft 28-40in**	**MIP-13 0-5ft 30-40in**	**MIP-13 15-20ft 0-12in**	**MIP-13 15-20ft 48-54in**	**MIP-13 24-29ft 34-39in**	**MIP-17 0-5ft 30in**	**MIP-17 10-15ft 33-46in**	**MIP-17 24-29ft 33-36in**
Depth (feet)	**Remediation**	3.6	8.8	20-21.1	26.3-27.3	3.75-5	15-16.1	19.4-20	26.8-27.3	3.1	13.2-14.5	26.8-27
Sample Date	**Standards**	6/16/2016	6/16/2016	6/16/2016	7/5/2016	6/16/2016	6/16/2016	6/16/2016	7/5/2016	6/16/2016	6/16/2016	7/5/2016
Volatile Organic Compounds by 8260C (mg/kg)												
1,1,1,2-Tetrachloroethane	0.8	ND(0.113)	0.544	ND(0.175)	ND(0.24)	ND(0.136)	ND(0.173)	ND(0.177)	ND(0.217)	ND(0.662)	ND(0.193)	ND(0.19)
1,1,1-Trichloroethane	78	0.169	474	4.64	ND(0.24)	0.263	1.47	0.611	ND(0.217)	1.14	4.87	ND(0.19)
1,1,2-Trichloroethane	0.1	ND(0.113)	ND(0.177)	ND(0.175)	ND(0.24)	ND(0.136)	ND(0.173)	ND(0.177)	ND(0.217)	ND(0.662)	ND(0.193)	ND(0.19)
1,1-Dichloroethane	3	ND(0.113)	ND(0.177)	ND(0.175)	ND(0.24)	ND(0.136)	0.358	0.379	0.387	**22.8**	0.272	ND(0.19)
1,1-Dichloroethene	14	ND(0.113)	0.9	ND(0.175)	ND(0.24)	ND(0.136)	ND(0.173)	0.179	ND(0.217)	1.2	0.798	ND(0.19)
1,2,3-Trichlorobenzene	NS	ND(0.113)	ND(0.177)	ND(0.175)	ND(0.24)	ND(0.136)	ND(0.173)	ND(0.177)	ND(0.217)	ND(0.662)	ND(0.193)	ND(0.19)
1,2,4-Trichlorobenzene	19	ND(0.113)	ND(0.177)	ND(0.175)	ND(0.24)	ND(0.136)	ND(0.173)	ND(0.177)	ND(0.217)	1.38	ND(0.193)	ND(0.19)
1,2,4-Trimethylbenzene	130	ND(0.113)	7.41	ND(0.175)	ND(0.24)	ND(0.136)	ND(0.173)	ND(0.177)	ND(0.217)	15.5	ND(0.193)	ND(0.19)
1,2-Dichlorobenzene	88	ND(0.113)	ND(0.177)	ND(0.175)	ND(0.24)	ND(0.136)	ND(0.173)	ND(0.177)	ND(0.217)	**104**	ND(0.193)	ND(0.19)
1,3-Dichloropropene, Total	0.1	**0.206**	**86.2**	**9.05**	**6.30**	**0.319**	**32.7**	**23.7**	**27.3**	**1,410**	**17.1**	ND(0.19)
1,3,5-Trimethylbenzene	96	ND(0.113)	2.44	ND(0.175)	ND(0.24)	ND(0.136)	ND(0.173)	ND(0.177)	ND(0.217)	4.96	ND(0.193)	ND(0.19)
1,3-Dichlorobenzene	150	ND(0.113)	0.368	ND(0.175)	ND(0.24)	ND(0.136)	ND(0.173)	ND(0.177)	ND(0.217)	6.23	ND(0.193)	ND(0.19)
1,4-Dichlorobenzene	7	ND(0.113)	0.346	ND(0.175)	ND(0.24)	ND(0.136)	ND(0.173)	ND(0.177)	ND(0.217)	**69.8**	ND(0.193)	ND(0.19)
p-Isopropyltoluene	NS	ND(0.113)	0.467	ND(0.175)	ND(0.24)	ND(0.136)	ND(0.173)	ND(0.177)	ND(0.217)	11.9	ND(0.193)	ND(0.19)
4-Methyl-2-pentanone	29	ND(0.567)	ND(0.884)	ND(0.875)	ND(1.2)	ND(0.681)	ND(0.866)	ND(0.885)	ND(1.09)	ND(3.31)	ND(0.964)	ND(0.948)
Acetone	75	ND(0.567)	ND(0.884)	ND(0.875)	ND(1.2)	ND(0.681)	ND(0.866)	ND(0.885)	ND(1.09)	7.86	ND(0.964)	ND(0.948)
Allyl chloride	1	ND(0.227)	ND(0.354)	ND(0.35)	ND(0.481)	ND(0.272)	ND(0.346)	ND(0.354)	ND(0.435)	ND(1.32)	ND(0.385)	ND(0.379)
Benzene	0.3	ND(0.113)	**1.29**	ND(0.175)	ND(0.24)	ND(0.136)	ND(0.173)	ND(0.177)	ND(0.217)	**3.46**	ND(0.193)	ND(0.19)
Carbon tetrachloride	12	ND(0.113)	3.48	ND(0.175)	ND(0.24)	ND(0.136)	ND(0.173)	ND(0.177)	ND(0.217)	ND(0.662)	ND(0.193)	ND(0.19)
Chloroform	3	ND(0.113)	ND(0.177)	ND(0.175)	ND(0.24)	ND(0.136)	ND(0.173)	ND(0.177)	ND(0.217)	ND(0.662)	ND(0.193)	ND(0.19)
Chloromethane	3	ND(0.113)	0.182	ND(0.175)	ND(0.24)	ND(0.136)	ND(0.173)	ND(0.177)	ND(0.217)	ND(0.662)	0.243	ND(0.19)
cis-1,2-Dichloroethene	2	0.206	**85.6**	**9.05**	**6.30**	0.319	**32.7**	**23.7**	**27.3**	**1,390**	**17.1**	ND(0.19)
Ethylbenzene	120	ND(0.113)	29.3	0.371	ND(0.24)	ND(0.136)	ND(0.173)	ND(0.177)	ND(0.217)	28.4	ND(0.193)	ND(0.19)
Isopropylbenzene	330	ND(0.113)	0.704	ND(0.175)	ND(0.24)	ND(0.136)	ND(0.173)	ND(0.177)	ND(0.217)	0.992	ND(0.193)	ND(0.19)
Naphthalene	5	ND(0.113)	0.886	ND(0.175)	ND(0.24)	ND(0.136)	ND(0.173)	ND(0.177)	ND(0.217)	**5.72**	ND(0.193)	ND(0.19)
n-Butylbenzene	110	ND(0.113)	1.02	ND(0.175)	ND(0.24)	ND(0.136)	ND(0.173)	ND(0.177)	ND(0.217)	2	ND(0.193)	ND(0.19)
n-Propylbenzene	85	ND(0.113)	1.7	ND(0.175)	ND(0.24)	ND(0.136)	ND(0.173)	ND(0.177)	ND(0.217)	2.89	ND(0.193)	ND(0.19)
sec-Butylbenzene	130	ND(0.113)	0.518	ND(0.175)	ND(0.24)	ND(0.136)	ND(0.173)	ND(0.177)	ND(0.217)	ND(0.662)	ND(0.193)	ND(0.19)
Styrene	17	ND(0.113)	0.281	ND(0.175)	ND(0.24)	ND(0.136)	ND(0.173)	ND(0.177)	ND(0.217)	ND(0.662)	ND(0.193)	ND(0.19)
Tetrachloroethene	2	ND(0.113)	**33.5**	0.357	ND(0.24)	ND(0.136)	ND(0.173)	ND(0.177)	ND(0.217)	**48.3**	0.239	ND(0.19)
Toluene	100	ND(0.113)	**158**	1.61	0.913	ND(0.136)	0.521	0.556	0.237	**256**	1.6	ND(0.19)
trans-1,2-Dichloroethene	9	ND(0.113)	0.659	ND(0.175)	ND(0.24)	ND(0.136)	ND(0.173)	ND(0.177)	ND(0.217)	**12.1**	ND(0.193)	ND(0.19)
Trichloroethene	0.8	**0.942**	**5,570**	**48.4**	**24**	**1.31**	**0.919**	0.241	ND(0.217)	**4,540**	**103**	ND(0.19)
Vinyl chloride	1	ND(0.113)	ND(0.177)	ND(0.175)	ND(0.24)	ND(0.136)	0.313	**2.66**	**1.35**	**3.74**	ND(0.193)	ND(0.19)
Xylenes, Total	500	ND(0.227)	173	2.13	0.502	ND(0.272)	0.372	ND(0.354)	ND(0.435)	151	0.586	ND(0.379)

TABLE C.2.1
ANALYTICAL DATA TABLES FROM PREVIOUS INVESTIGATIONS FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Lab Report ID												
Sample Identification	**NHDES Soil**	**MIP-19 5-10ft 0-4in**	**MIP-19 15-20ft 34-37in**	**MIP-19 22-27ft 17-20in**	**MIP-24 0-5ft 5-7in**	**MIP-24 5-10ft 23-25in**	**MIP-24 10-15ft 2-6in**	**MIP-24 22-27ft 19-23in**	**MIP-27 5-10ft 0-5in**	**MIP-27 15-20ft 0-5in**	**MIP-27 22-27ft 50-60in**	**MIP-29 5-10ft 20-30in**
Depth (feet)	**Remediation**	5-5.5	18.5-18.9	23.4-23.7	0.6-0.8	7.5-7.7	10.2-10.6	23.6-23.9	5-6.7	15-16.1	26.2-27	7.1-8.1
Sample Date	**Standards**	6/16/2016	6/16/2016	7/5/2016	6/16/2016	6/16/2016	6/16/2016	7/5/2016	6/17/2016	6/17/2016	7/6/2016	6/17/2016
Volatile Organic Compounds by 8260C (mg/kg)												
1,1,1,2-Tetrachloroethane	0.8	ND(1.5)	ND(0.195)	ND(0.189)	ND(0.160)	ND(0.189)	ND(0.179)	ND(0.196)	ND(0.177)	ND(0.192)	ND(0.174)	ND(0.198)
1,1,1-Trichloroethane	78	ND(1.5)	2.58	ND(0.189)	ND(0.160)	1.06	19.6	ND(0.196)	10.1	ND(0.192)	0.551	1.05
1,1,2-Trichloroethane	0.1	ND(1.5)	ND(0.195)	ND(0.189)	ND(0.160)	ND(0.189)	ND(0.179)	ND(0.196)	ND(0.177)	ND(0.192)	ND(0.174)	ND(0.198)
1,1-Dichloroethane	3	ND(1.5)	0.522	ND(0.189)	ND(0.160)	ND(0.189)	0.239	ND(0.196)	0.239	ND(0.192)	ND(0.174)	ND(0.198)
1,1-Dichloroethene	14	ND(1.5)	0.512	ND(0.189)	ND(0.160)	ND(0.189)	0.436	ND(0.196)	ND(0.177)	ND(0.192)	ND(0.174)	ND(0.198)
1,2,3-Trichlorobenzene	NS	ND(1.5)	ND(0.195)	ND(0.189)	ND(0.160)	ND(0.189)	ND(0.179)	ND(0.196)	ND(0.177)	ND(0.192)	ND(0.174)	ND(0.198)
1,2,4-Trichlorobenzene	19	8.4	ND(0.195)	ND(0.189)	ND(0.160)	ND(0.189)	ND(0.179)	ND(0.196)	ND(0.177)	ND(0.192)	ND(0.174)	ND(0.198)
1,2,4-Trimethylbenzene	130	9.51	ND(0.195)	ND(0.189)	ND(0.160)	ND(0.189)	ND(0.179)	ND(0.196)	0.241	ND(0.192)	ND(0.174)	ND(0.198)
1,2-Dichlorobenzene	88	39.5	ND(0.195)	ND(0.189)	ND(0.160)	ND(0.189)	ND(0.179)	ND(0.196)	ND(0.177)	ND(0.192)	ND(0.174)	ND(0.198)
1,3-Dichloropropene, Total	0.1	ND(1.5)	**71.5**	ND(0.189)	ND(0.160)	**1**	**1.53**	ND(0.196)	**1.4**	**0.671**	**2.56**	**0.54**
1,3,5-Trimethylbenzene	96	3.5	ND(0.195)	ND(0.189)	ND(0.160)	ND(0.189)	ND(0.179)	ND(0.196)	ND(0.177)	ND(0.192)	ND(0.174)	ND(0.198)
1,3-Dichlorobenzene	150	7.7	ND(0.195)	ND(0.189)	ND(0.160)	ND(0.189)	ND(0.179)	ND(0.196)	ND(0.177)	ND(0.192)	ND(0.174)	ND(0.198)
1,4-Dichlorobenzene	7	**27**	ND(0.195)	ND(0.189)	ND(0.160)	ND(0.189)	ND(0.179)	ND(0.196)	ND(0.177)	ND(0.192)	ND(0.174)	ND(0.198)
p-Isopropyltoluene	NS	31.7	ND(0.195)	ND(0.189)	ND(0.160)	ND(0.189)	ND(0.179)	ND(0.196)	ND(0.177)	ND(0.192)	ND(0.174)	ND(0.198)
4-Methyl-2-pentanone	29	ND(7.49)	ND(0.973)	ND(0.945)	ND(0.802)	ND(0.943)	1.56	ND(0.979)	ND(0.887)	ND(0.961)	ND(0.872)	ND(0.99)
Acetone	75	8.91	ND(0.973)	ND(0.945)	ND(0.802)	ND(0.943)	ND(0.893)	1.03	ND(0.887)	ND(0.961)	ND(0.872)	ND(0.99)
Allyl chloride	1	ND(3)	ND(0.389)	ND(0.378)	ND(0.321)	ND(0.377)	ND(0.357)	ND(0.391)	ND(0.355)	ND(0.384)	ND(0.349)	ND(0.396)
Benzene	0.3	ND(1.5)	ND(0.195)	ND(0.189)	ND(0.160)	ND(0.189)	0.234	ND(0.196)	ND(0.177)	ND(0.192)	ND(0.174)	ND(0.198)
Carbon tetrachloride	12	ND(1.5)	ND(0.195)	ND(0.189)	ND(0.160)	ND(0.189)	ND(0.179)	ND(0.196)	ND(0.177)	ND(0.192)	ND(0.174)	ND(0.198)
Chloroform	3	ND(1.5)	ND(0.195)	ND(0.189)	ND(0.160)	ND(0.189)	ND(0.179)	ND(0.196)	ND(0.177)	ND(0.192)	ND(0.174)	ND(0.198)
Chloromethane	3	2.16	ND(0.195)	ND(0.189)	ND(0.160)	ND(0.189)	ND(0.179)	ND(0.196)	ND(0.177)	ND(0.192)	ND(0.174)	ND(0.198)
cis-1,2-Dichloroethene	2	ND(1.5)	**71.3**	ND(0.189)	ND(0.160)	1	1.53	ND(0.196)	1.4	0.671	**2.56**	0.54
Ethylbenzene	120	ND(1.5)	ND(0.195)	ND(0.189)	ND(0.160)	ND(0.189)	0.947	ND(0.196)	1	ND(0.192)	ND(0.174)	ND(0.198)
Isopropylbenzene	330	ND(1.5)	ND(0.195)	ND(0.189)	ND(0.160)	ND(0.189)	ND(0.179)	ND(0.196)	ND(0.177)	ND(0.192)	ND(0.174)	ND(0.198)
Naphthalene	5	**8.46**	ND(0.195)	ND(0.189)	ND(0.160)	ND(0.189)	ND(0.179)	ND(0.196)	ND(0.177)	ND(0.192)	ND(0.174)	ND(0.198)
n-Butylbenzene	110	3.65	ND(0.195)	ND(0.189)	ND(0.160)	ND(0.189)	ND(0.179)	ND(0.196)	ND(0.177)	0.194	ND(0.174)	ND(0.198)
n-Propylbenzene	85	ND(1.5)	ND(0.195)	ND(0.189)	ND(0.160)	ND(0.189)	ND(0.179)	ND(0.196)	ND(0.177)	ND(0.192)	ND(0.174)	ND(0.198)
sec-Butylbenzene	130	ND(1.5)	ND(0.195)	ND(0.189)	ND(0.160)	ND(0.189)	ND(0.179)	ND(0.196)	ND(0.177)	ND(0.192)	ND(0.174)	ND(0.198)
Styrene	17	ND(1.5)	ND(0.195)	ND(0.189)	ND(0.160)	ND(0.189)	ND(0.179)	ND(0.196)	ND(0.177)	ND(0.192)	ND(0.174)	ND(0.198)
Tetrachloroethene	2	ND(1.5)	ND(0.195)	ND(0.189)	ND(0.160)	ND(0.189)	1.06	ND(0.196)	1.09	ND(0.192)	ND(0.174)	ND(0.198)
Toluene	100	3.5	1.83	ND(0.189)	ND(0.160)	ND(0.189)	6.1	ND(0.196)	3.66	ND(0.192)	0.68	ND(0.198)
trans-1,2-Dichloroethene	9	ND(1.5)	0.276	ND(0.189)	ND(0.160)	ND(0.189)	ND(0.179)	ND(0.196)	ND(0.177)	ND(0.192)	ND(0.174)	ND(0.198)
Trichloroethene	0.8	**2.07**	**12.1**	ND(0.189)	ND(0.160)	**4.12**	**299**	ND(0.196)	**115**	**1.55**	**16.3**	**11.7**
Vinyl chloride	1	ND(1.5)	ND(0.195)	ND(0.189)	ND(0.160)	ND(0.189)	ND(0.179)	ND(0.196)	ND(0.177)	ND(0.192)	ND(0.174)	ND(0.198)
Xylenes, Total	500	ND(3)	0.767	ND(0.378)	ND(0.321)	ND(0.377)	5.25	ND(0.391)	6	ND(0.384)	0.44	ND(0.396)

TABLE C.2.1
ANALYTICAL DATA TABLES FROM PREVIOUS INVESTIGATIONS FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Lab Report ID												
Sample Identification	**NHDES Soil**	**MIP-29 10-15ft 24-32in**	**MIP-29 19-24ft 51-60in**	**MIP-33 5-10ft 7-14in**	**MIP-33 15-20ft 10-13in**	**MIP-33 24-29ft 20-23in**	**MIP-35 0-5ft 27-32in**	**MIP-35 5-10ft 14-19in**	**MIP-35 24-29ft 29-32in**	**MIP-50 0-5ft 28-33in**	**MIP-50 5-10ft 19-22in**	**MIP-50 22-27ft 10-13in**
Depth (feet)	**Remediation**	12.7-13.6	26.3-27	5.8-6.6	16-16.3	25.7-25.9	3.4-4	6.8-7.4	26.4-26.7	3.7-4.3	8.4-8.9	22.8-23.1
Sample Date	**Standards**	6/17/2016	7/6/2016	6/17/2016	6/17/2016	7/6/2016	6/17/2016	6/17/2016	7/6/2016	6/17/2016	6/17/2016	7/6/2016
Volatile Organic Compounds by 8260C (mg/kg)												
1,1,1,2-Tetrachloroethane	0.8	ND(0.173)	ND(0.196)	ND(1.6)	ND(0.163)	ND(0.19)	ND(0.829)	**2.39**	ND(0.174)	ND(0.2)	ND(0.203)	ND(0.172)
1,1,1-Trichloroethane	78	7.99	ND(0.196)	ND(1.6)	3.42	ND(0.19)	28.5	ND(0.181)	ND(0.174)	0.97	76.5	ND(0.172)
1,1,2-Trichloroethane	0.1	ND(0.173)	ND(0.196)	ND(1.6)	ND(0.163)	ND(0.19)	ND(0.829)	**1.02**	ND(0.174)	ND(0.2)	ND(0.203)	ND(0.172)
1,1-Dichloroethane	3	ND(0.173)	ND(0.196)	ND(1.6)	ND(0.163)	ND(0.19)	**70.2**	**10.2**	ND(0.174)	ND(0.2)	**3.58**	1.48
1,1-Dichloroethene	14	0.532	ND(0.196)	ND(1.6)	0.29	ND(0.19)	2.56	**19.9**	ND(0.174)	ND(0.2)	0.433	ND(0.172)
1,2,3-Trichlorobenzene	NS	ND(0.173)	ND(0.196)	ND(1.6)	ND(0.163)	ND(0.19)	1.72	ND(0.181)	ND(0.174)	ND(0.2)	ND(0.203)	ND(0.172)
1,2,4-Trichlorobenzene	19	ND(0.173)	ND(0.196)	9.81	ND(0.163)	ND(0.19)	3.21	ND(0.181)	ND(0.174)	ND(0.2)	ND(0.203)	ND(0.172)
1,2,4-Trimethylbenzene	130	ND(0.173)	ND(0.196)	11.1	ND(0.163)	ND(0.19)	28.8	23.4	ND(0.174)	ND(0.2)	57.5	ND(0.172)
1,2-Dichlorobenzene	88	ND(0.173)	ND(0.196)	44.3	ND(0.163)	ND(0.19)	27.6	ND(0.181)	ND(0.174)	ND(0.2)	7.09	ND(0.172)
1,3-Dichloropropene, Total	0.1	**0.964**	ND(0.196)	ND(1.6)	**5.12**	ND(0.19)	**2,550**	**599**	ND(0.174)	**3.4**	**150**	**21.6**
1,3,5-Trimethylbenzene	96	ND(0.173)	ND(0.196)	3.9	ND(0.163)	ND(0.19)	8.93	9.84	ND(0.174)	ND(0.2)	19.3	ND(0.172)
1,3-Dichlorobenzene	150	ND(0.173)	ND(0.196)	9	ND(0.163)	ND(0.19)	4.64	ND(0.181)	ND(0.174)	ND(0.2)	0.49	ND(0.172)
1,4-Dichlorobenzene	7	ND(0.173)	ND(0.196)	**27.9**	ND(0.163)	ND(0.19)	**22.7**	0.789	ND(0.174)	ND(0.2)	**8.33**	ND(0.172)
p-Isopropyltoluene	NS	ND(0.173)	ND(0.196)	25.8	ND(0.163)	ND(0.19)	8.64	1.56	ND(0.174)	ND(0.2)	2.87	ND(0.172)
4-Methyl-2-pentanone	29	1.86	ND(0.978)	ND(7.99)	ND(0.814)	ND(0.949)	ND(4.14)	ND(0.907)	ND(0.872)	ND(1)	ND(1.02)	ND(0.859)
Acetone	75	ND(0.867)	ND(0.978)	ND(7.99)	ND(0.814)	ND(0.949)	ND(4.14)	ND(0.907)	ND(0.872)	ND(1)	ND(1.02)	0.952
Allyl chloride	1	ND(0.347)	ND(0.391)	ND(3.2)	ND(0.326)	ND(0.379)	**1.83**	ND(0.363)	ND(0.349)	ND(0.401)	ND(0.407)	ND(0.344)
Benzene	0.3	ND(0.173)	ND(0.196)	ND(1.6)	ND(0.163)	ND(0.19)	**8.06**	**8.81**	ND(0.174)	ND(0.2)	**1.01**	ND(0.172)
Carbon tetrachloride	12	ND(0.173)	ND(0.196)	ND(1.6)	ND(0.163)	ND(0.19)	ND(0.829)	**15.3**	ND(0.174)	ND(0.2)	ND(0.203)	ND(0.172)
Chloroform	3	ND(0.173)	ND(0.196)	ND(1.6)	ND(0.163)	ND(0.19)	ND(0.829)	0.326	ND(0.174)	ND(0.2)	ND(0.203)	ND(0.172)
Chloromethane	3	ND(0.173)	ND(0.196)	1.63	0.177	ND(0.19)	0.845	ND(0.181)	ND(0.174)	ND(0.2)	ND(0.203)	ND(0.172)
cis-1,2-Dichloroethene	2	0.964	ND(0.196)	ND(1.6)	**5.12**	ND(0.19)	**2,530**	**590**	ND(0.174)	**3.4**	**149**	**21.6**
Ethylbenzene	120	ND(0.173)	ND(0.196)	ND(1.6)	0.207	ND(0.19)	71.7	100	ND(0.174)	ND(0.2)	77.2	ND(0.172)
Isopropylbenzene	330	ND(0.173)	ND(0.196)	ND(1.6)	ND(0.163)	ND(0.19)	2.79	2.65	ND(0.174)	ND(0.2)	6.61	ND(0.172)
Naphthalene	5	ND(0.173)	ND(0.196)	**7.06**	ND(0.163)	ND(0.19)	**6.79**	3.44	ND(0.174)	ND(0.2)	**7.89**	ND(0.172)
n-Butylbenzene	110	ND(0.173)	ND(0.196)	3.92	ND(0.163)	ND(0.19)	2.53	3.76	ND(0.174)	ND(0.2)	6.15	ND(0.172)
n-Propylbenzene	85	ND(0.173)	ND(0.196)	ND(1.6)	ND(0.163)	ND(0.19)	7.15	6.9	ND(0.174)	ND(0.2)	15.8	ND(0.172)
sec-Butylbenzene	130	ND(0.173)	ND(0.196)	ND(1.6)	ND(0.163)	ND(0.19)	1.23	1.82	ND(0.174)	ND(0.2)	3.14	ND(0.172)
Styrene	17	ND(0.173)	ND(0.196)	ND(1.6)	ND(0.163)	ND(0.19)	ND(0.829)	1.7	ND(0.174)	ND(0.2)	0.222	ND(0.172)
Tetrachloroethene	2	ND(0.173)	ND(0.196)	ND(1.6)	0.301	ND(0.19)	**189**	**148**	ND(0.174)	ND(0.2)	**69.7**	ND(0.172)
Toluene	100	1.8	ND(0.196)	6.47	2.11	ND(0.19)	**869**	**871**	ND(0.174)	ND(0.2)	96.3	1.4
trans-1,2-Dichloroethene	9	ND(0.173)	ND(0.196)	ND(1.6)	ND(0.163)	ND(0.19)	**22.4**	**9.67**	ND(0.174)	ND(0.2)	1.17	ND(0.172)
Trichloroethene	0.8	**131**	**2.35**	**3.07**	**49.7**	ND(0.19)	**10,800**	**31,200**	ND(0.174)	**3.17**	**2,230**	**15.7**
Vinyl chloride	1	ND(0.173)	ND(0.196)	ND(1.6)	ND(0.163)	ND(0.19)	**7.26**	**1.08**	ND(0.174)	ND(0.2)	ND(0.203)	ND(0.172)
Xylenes, Total	500	0.539	ND(0.391)	ND(3.2)	0.83	ND(0.379)	395	**566**	ND(0.349)	ND(0.401)	**508**	0.424

Notes:
1. mg/kg = milligrams per kilogram.
2. Only detected compounds are shown.
3. ND(x) indicates analyte was not detected above the quantitation limit noted in parentheses.
4. -- = not analyzed or results not available.
5. **BOLD** values exceed applicable New Hampshire Department of Environmental Services (NHDES) Soil Remediation Standards (SRSs).
6. NS = no standard available; NA = not applicable.
7. These data were obtained from Table 5 of a 2015-2016 Annual Summary Report prepared by GZA GeoEnvironmental, Inc.

TABLE C.2.2
SUMMARY OF SOIL ANALYTICAL DATA
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Lab Report ID					
Sample Identification	**NHDES Soil**	**GZ-801U**	**GZ-802U-S**	**GZ-802U-D**	**GZ-803U**
Depth (feet)	**Remediation**	15-20	5-10	20-25	15-20
Sample Date	**Standards**	6/17/2011	6/17/2011	6/17/2011	6/17/2011
Volatile Organic Compounds by 8260C (mg/kg)					
1,1,1-Trichloroethane	78	1.2	52	0.7	1.6
Trichloroethene	0.8	**6.2**	**470**	**8.2**	**12**
Tetrachloroethene	2	0.17	**59**	**12**	0.19
cis-1,2-Dichloroethene	2	**3.8**	**27**	0.19	1.2
Toluene	100	0.19	49	1.2	0.27
Ethylbenzene	120	ND(0.065)	44	7	ND(0.13)
Xylenes, Total	500	0.22	263	41.9	0.29
Isopropylbenzene	330	ND(0.065)	ND(3.1)	0.38	ND(0.13)
n-Propylbenzene	85	ND(0.065)	4.2	0.99	ND(0.13)
1,3,5-Trimethylbenzene	96	ND(0.065)	6.2	1.6	ND(0.13)
1,2,4-Trimethylbenzene	130	ND(0.065)	17	4.7	ND(0.13)
sec-Butylbenzene	130	ND(0.065)	ND(3.1)	0.3	ND(0.13)
p-Isopropyltoluene	NS	ND(0.065)	ND(3.1)	0.31	ND(0.13)
1,4-Dichlorobenzene	7	ND(0.065)	ND(3.1)	0.2	ND(0.13)
n-Butylbenzene	110	ND(0.065)	ND(3.1)	0.63	ND(0.13)
Naphthalene	5	ND(0.13)	ND(6.3)	0.46	ND(0.25)

Notes:
1. mg/kg = milligrams per kilogram.
2. Only detected compounds are shown.
3. ND(x) indicates analyte was not detected above the quantitation limit noted in parentheses.
4. -- = not analyzed or results not available.
5. **BOLD** values exceed applicable New Hampshire Department of Environmental Services (NHDES) Soil Remediation Standards (SRSs).
6. NS = no standard available; NA = not applicable.
7. These data were obtained from Table 7 of a 2010-2011 Annual Summary Report prepared by GZA GeoEnvironmental, Inc.

TABLE C.2.3
SUMMARY OF SOIL ANALYTICAL DATA
FORMER SALEM WASTEWATER TREATMENT FACILITY
SALEM, NEW HAMPSHIRE
NHDES #198405033

Lab Report ID															
Sample Identification	**NHDES Soil**	**GZ-601U S-3**	**GZ-602U S-2**	**GZ-605U S-3**	**GZ-606U S-4**	**GZ-609U S-4**	**GZ-617 S-4**	**GZ-618 S-4**	**GZ-619U S-2**	**GZ-620U S-6**	**B-101 S-5**	**B-102 S-6**	**B-103 S-7**	**B-104 S-6**	**B-105 S-2**
Depth (feet)	**Remediation**	10-15	5-10	10-15	15-20	10-15	15-17	15-17	4-6	15-17	13-15	15-17	16-18	16-18	17-19
Sample Date	**Standards**	8/22/2007	8/20/2007	8/22/2007	8/22/2007	8/21/2007	8/24/2007	8/27/2007	12/11/2007	12/11/2007	12/12/2007	12/12/2007	12/12/2007	12/12/2007	12/12/2007
Volatile Organic Compounds by 8260C (mg/kg)															
Vinyl chloride	1	ND(0.05)	ND(0.06)	ND(0.055)	0.29	ND(0.06)	ND(0.06)	ND(0.05)	ND(0.05)	ND(0.055)	0.1	ND(0.055)	ND(0.06)	ND(0.06)	ND(0.055)
1,1-Dichloroethene	14	0.069	ND(0.06)	ND(0.055)	0.13	ND(0.06)	ND(0.06)	ND(0.05)	ND(0.05)	ND(0.055)	ND(0.05)	ND(0.055)	ND(0.06)	ND(0.06)	ND(0.055)
Methylene chloride	0.1	ND(0.05)	ND(0.06)	ND(0.055)	0.059	ND(0.06)	ND(0.06)	ND(0.05)	ND(0.05)	ND(0.055)	ND(0.05)	ND(0.055)	ND(0.06)	ND(0.06)	ND(0.055)
trans-1,2-Dichloroethene	9	ND(0.05)	ND(0.06)	ND(0.055)	0.22	ND(0.06)	ND(0.06)	ND(0.05)	ND(0.05)	ND(0.055)	ND(0.05)	ND(0.055)	ND(0.06)	ND(0.06)	ND(0.055)
1,1-Dichloroethane	3	0.42	ND(0.06)	ND(0.055)	0.54	ND(0.06)	0.11	1	ND(0.05)	ND(0.055)	ND(0.05)	ND(0.055)	ND(0.06)	ND(0.06)	ND(0.055)
cis-1,2-Dichloroethene	2	**20**	0.300	ND(0.055)	**91**	0.74	**26**	0.065	ND(0.05)	ND(0.055)	ND(0.05)	ND(0.055)	**9.7**	0.52	ND(0.055)
1,1,1-Trichloroethane	78	3.2	ND(0.06)	ND(0.055)	7.5	1.8	1.4	ND(0.05)	ND(0.05)	ND(0.055)	ND(0.05)	ND(0.055)	0.18	ND(0.06)	ND(0.055)
Trichloroethene	0.8	**96**	0.490	ND(0.055)	**5.40**	**27**	0.07	ND(0.05)	ND(0.05)	ND(0.055)	ND(0.05)	ND(0.055)	ND(0.06)	ND(0.06)	ND(0.055)
Tetrachloroethene	2	0.18	ND(0.06)	ND(0.055)	ND(0.05)	0.068	ND(0.06)	ND(0.05)	ND(0.05)	ND(0.055)	ND(0.05)	ND(0.055)	ND(0.06)	ND(0.06)	ND(0.055)

Notes:
1. mg/kg = milligrams per kilogram.
2. Only detected compounds are shown.
3. ND(x) indicates analyte was not detected above the quantitation limit noted in parentheses.
4. -- = not analyzed or results not available.
5. **BOLD** values exceed applicable New Hampshire Department of Environmental Services (NHDES) Soil Remediation Standards (SRSs).
6. NS = no standard available; NA = not applicable.
7. These data were obtained from Table 7 of a 2008-2009 Gap Study Report prepared by GZA GeoEnvironmental, Inc.

from "Preliminary Site Assessment," prepared by Jacques Whitford, dated March 2002

Table 4
Soil and Sediment Analytical Results
Salem Wastewater Treatment Plant
346 South Broadway
Salem, New Hampshire

Analyte	units	NHDES RCMP Method 1 Soil Standards[1]			Sample ID (depth below ground surface)								
Sample Collection Date		S-1	S-2	S-3	MW-1 (0-2) 01/14/02	MW-1 (20-22) 01/14/02	MW-2 (10-12) 01/14/02	MW-3 (10-12) 01/15/02	MW-4 (5-7) 01/15/02	MW-5 (10-12) 01/15/02	MW-6 (0-2) 01/15/02	MW-6 (10-12) 01/15/02	MW-7 (10-12) 01/15/02
Volatile Organic Compounds (VOCs)													
cis-1,2-Dichlorothene	mg/kg	2	2	2	<0.069	**4.8**	<0.046	<0.059	<0.038	<0.056	<0.051	<0.049	<0.049
Tetrachloroethene (PCE)	mg/kg	2	2	2	<0.069	<0.067	<0.046	<0.059	<0.038	<0.056	<0.051	<0.049	<0.049
Toluene	mg/kg	100	100	100	<0.069	<0.067	<0.046	<0.059	<0.038	<0.056	<0.051	<0.049	<0.049
1,1,1-Trichloroethane	mg/kg	42	42	42	<0.069	<0.067	<0.046	<0.059	<0.038	<0.056	<0.051	<0.049	<0.049
Trichloroethene (TCE)	mg/kg	0.8	0.8	0.8	<0.069	0.41	<0.046	<0.059	<0.038	<0.056	<0.051	<0.049	<0.049
Vinyl Chloride	mg/kg	0.4	1	9	<0.069	0.16	<0.046	<0.059	<0.038	<0.056	<0.051	<0.049	<0.049
Total Petroleum Hydrocarbons (TPH)													
Unidentified TPH	mg/kg	10,000	10,000	10,000	<50	<40	<30	<30	<30	<30	<40	<30	<30
Semivolatile Organic Compounds (SVOCs)													
Benzo (a) anthracene	mg/kg	0.7	2	40	<0.233	<0.175	<0.169	<0.173	<0.143	<0.170	<0.206	<0.168	<0.156
Benzo (b) fluoranthene	mg/kg	7	20	400	<0.233	<0.175	<0.169	<0.173	<0.143	<0.170	<0.206	<0.168	<0.156
Chrysene	mg/kg	70	200	4,000	<0.233	<0.175	<0.169	<0.173	<0.143	<0.170	<0.206	<0.168	<0.156
Fluoranthene	mg/kg	810	2,500	5,000	<0.233	<0.175	<0.169	<0.173	<0.143	<0.170	<0.206	<0.168	<0.156
anthrene, Pyrene, and Benzo(g,h,i)perylene	mg/kg	480	2,400	2,400	<0.699	<0.525	<0.507	<0.519	<0.429	<0.510	<0.618	<0.504	<0.468
Phenanthrene	mg/kg	NS[3]	NS[3]	NS[3]	<0.233	<0.175	<0.169	<0.173	<0.143	<0.170	<0.206	<0.168	<0.156
Pyrene	mg/kg	NS[3]	NS[3]	NS[3]	<0.233	<0.175	<0.169	<0.173	<0.143	<0.170	<0.206	<0.168	<0.156
Benzo(g,h,i)perylene	mg/kg	NS[3]	NS[3]	NS[3]	<0.233	<0.175	<0.169	<0.173	<0.143	<0.170	<0.206	<0.168	<0.156
Pesticides													
4,4'-DDD	mg/kg	0.7	2	64	<0.0096	<0.0093	<0.0086	<0.0086	<0.0070	<0.0089	0.021	<0.0089	<0.0079
4,4'-DDE	mg/kg	0.7	2	56	<0.0096	<0.0093	<0.0086	<0.0086	<0.0070	<0.0089	0.08	<0.0089	<0.0079
4,4'-DDT	mg/kg	0.9	3	11	<0.0096	<0.0093	<0.0086	<0.0086	<0.0070	<0.0089	0.11	<0.0089	<0.0079
Herbicides													
Chlorinated Herbicides	mg/kg	Var[2]	Var[2]	Var[2]	BDL[4]	BDL[4]	BDL[4]	BDL[4]	BDL[4]	BDL[4]	BDL[4]	BDL[4]	BDL[4]
Polychlorinated Biphenyls (PCBs)													
PCB-1254	mg/kg	NS[3]	NS[3]	NS[3]	<0.038	<0.037	<0.034	<0.034	<0.028	<0.036	<0.033	<0.035	<0.032
PCB-1260	mg/kg	NS[3]	NS[3]	NS[3]	<0.038	<0.037	<0.034	<0.034	<0.028	<0.036	<0.033	<0.035	<0.032
Total PCBs	mg/kg	1	1	2	<0.076	<0.074	<0.068	<0.064	<0.056	<0.072	<0.066	<0.070	<0.064
Metals													
Arsenic	mg/kg	11	11	11	<3.79	<3.24	<3.36	<3.38	<2.74	<3.26	<3.01	<3.30	<2.93
Cadmium	mg/kg	32	230	230	<0.631	0.820	<0.559	<0.564	<0.456	0.880	<0.502	<0.550	<0.489
Chromium	mg/kg	130	460	540	6.7	40.9	3.41	6.34	6.41	30.3	9.13	11.2	7.29
Copper	mg/kg	NS[3]	NS[3]	NS[3]	7.3	12.9	2.42	3.39	2.75	12.9	4.77	4.72	3.34
Lead	mg/kg	400	400	400	7.9	1.72	<1.68	<1.69	2.71	3.15	8.94	<1.89	<1.47
Nickel	mg/kg	580	2,500	3,900	6.7	26.3	2.88	4.56	5.06	18.0	4.61	7.04	6.05
Zinc	mg/kg	1,000	2,500	5,000	14.8	42.1	6.01	6.02	8.63	44.6	13.9	15.2	8.06
General Chemistry													
Ammonia Nitrogen	mg/kg	NS[3]	NS[3]	NS[3]	48	<7.2	<7.0	11	24	<7.2	26	<6.9	<6.5
Nitrate-Nitrite nitrogen	mg/kg	NS[3]	NS[3]	NS[3]	1	<0.62	0.8	<0.65	0.59	1.31	0.96	0.93	0.67
Phosphorus as PO4	mg/kg	NS[3]	NS[3]	NS[3]	2,530	1,940	899	831	896	1,820	2,260	1,350	779
Total Kjeldahl Nitrogen	mg/kg	NS[3]	NS[3]	NS[3]	95	28	100	100	230	100	1,040	<69	150

Notes:

[1] New Hampshire Department of Environmental Services Risk Characterization and Management Policy (January 1998, April 2001).

[2] Var = Standards vary by compound

[3] NS = No Standards Established

[4] BDL = Below laboratory method detection limits. Detection limits vary by compound.
Bold indicates detected concentrations above NHDES RCMP S-1 standards.

Table 4
Soil and Sediment Analytical Results
Salem Wastewater Treatment Plant
346 South Broadway
Salem, New Hampshire

Analyte	units	NHDES RCMP Method 1 Soil Standards[1]			Sample ID (depth below ground surface)								
Sample Collection Date		S-1	S-2	S-3	MW-7 (30-32) 01/15/02	MW-8 (10-12) 01/16/02	SD-1 (0-0.5) 01/14/02	SD-2 (0-0.5) 01/14/02	SB-1 (7-9) 01/16/02	SB-2 (7-9) 01/16/02	SB-3 (5-7) 01/16/02	SB-4 (7-9) 01/16/02	SP-1 01/16/02
Volatile Organic Compounds (VOCs)													
cis-1,2-Dichlorothene	mg/kg	2	2	2	<0.030	<0.066	0.16	<0.101	0.16	<0.055	<0.078	**9.3**	<0.033
Tetrachloroethene (PCE)	mg/kg	2	2	2	<0.030	<0.066	<0.126	<0.101	<0.074	<0.055	<0.078	<0.073	0.077
Toluene	mg/kg	100	100	100	<0.030	<0.066	<0.126	<0.101	<0.074	<0.055	<0.078	0.075	<0.033
1,1,1-Trichloroethane	mg/kg	42	42	42	<0.030	<0.066	<0.126	<0.101	<0.074	<0.055	<0.078	0.190	<0.033
Trichloroethene (TCE)	mg/kg	0.8	0.8	0.8	0.058	<0.066	<0.126	<0.101	<0.074	<0.055	<0.078	<0.073	<0.033
Vinyl Chloride	mg/kg	0.4	1	9	<0.030	<0.066	<0.126	<0.101	<0.074	<0.055	<0.078	<0.073	<0.033
Total Petroleum Hydrocarbons (TPH)													
Unidentified TPH	mg/kg	10,000	10,000	10,000	<50	45	<50	<50	<40	<40	<40	<50	73
Semivolatile Organic Compounds (SVOCs)													
Benzo (a) anthracene	mg/kg	0.7	2	40	<0.153	0.27	<0.272	<0.262	<0.179	<0.195	<0.211	<0.180	<0.139
Benzo (b) fluoranthene	mg/kg	7	20	400	<0.153	0.20	<0.272	<0.262	<0.179	<0.195	<0.211	<0.180	<0.139
Chrysene	mg/kg	70	200	4,000	<0.153	0.27	<0.272	<0.262	<0.179	<0.195	<0.211	<0.180	<0.139
Fluoranthene	mg/kg	810	2,500	5,000	<0.153	0.41	<0.272	<0.262	<0.179	<0.195	<0.211	<0.180	<0.139
anthrene, Pyrene, and Benzo(g,h,i)perylene	mg/kg	480	2,400	2,400	<0.459	0.60	<0.816	<0.786	<0.537	<0.585	<0.633	<0.540	<0.417
Phenanthrene	mg/kg	NS[3]	NS[3]	NS[3]	<0.153	0.20	<0.272	<0.262	<0.179	<0.195	<0.211	<0.180	<0.139
Pyrene	mg/kg	NS[3]	NS[3]	NS[3]	<0.153	0.40	<0.272	<0.262	<0.179	<0.195	<0.211	<0.180	<0.139
Benzo(g,h,i)perylene	mg/kg	NS[3]	NS[3]	NS[3]	<0.153	<0.182	<0.272	<0.262	<0.179	<0.195	<0.211	<0.180	<0.139
Pesticides													
4,4'-DDD	mg/kg	0.7	2	64	<0.0077	<0.0086	<0.0011	<0.0011	<0.0089	<0.0081	<0.0092	<0.0095	<0.0072
4,4'-DDE	mg/kg	0.7	2	56	<0.0077	0.011	<0.0011	<0.0011	<0.0089	<0.0081	<0.0092	<0.0095	<0.0072
4,4'-DDT	mg/kg	0.9	3	11	<0.0077	0.03	<0.0011	<0.0011	<0.0089	<0.0081	<0.0092	<0.0095	<0.0072
Herbicides													
Chlorinated Herbicides	mg/kg	Var[2]	Var[2]	Var[2]	BDL[4]	BDL[4]	BDL[4]	BDL[4]	BDL[4]	BDL[4]	BDL[4]	BDL[4]	BDL[4]
Polychlorinated Biphenyls (PCBs)													
PCB-1254	mg/kg	NS[3]	NS[3]	NS[3]	<0.031	<0.034	<0.043	<0.044	<0.035	<0.032	<0.037	<0.038	2
PCB-1260	mg/kg	NS[3]	NS[3]	NS[3]	<0.031	<0.034	<0.043	<0.044	<0.035	<0.032	<0.037	<0.038	1
Total PCBs	mg/kg	1	1	2	<0.062	<0.068	<0.086	<0.088	<0.070	<0.064	<0.074	<0.076	3
Metals													
Arsenic	mg/kg	11	11	11	<3.00	3.4	<4.13	<3.94	<3.39	<3.08	<3.62	<3.59	<2.73
Cadmium	mg/kg	32	230	230	0.509	<0.516	<0.688	<0.657	<0.565	<0.631	<0.603	<0.598	<0.455
Chromium	mg/kg	130	460	540	41.6	17.0	15.9	12.1	6.97	2.75	8.21	16.1	9.52
Copper	mg/kg	NS[3]	NS[3]	NS[3]	11.5	11.4	7.34	7.83	3.65	1.39	<1.21	5.66	8.24
Lead	mg/kg	400	400	400	<1.50	39.1	9.82	17.9	<1.69	<1.54	<1.81	<1.89	6.27
Nickel	mg/kg	580	2,500	3,900	27.5	10.4	7.93	8.08	4.90	3.69	4.93	12.0	6.02
Zinc	mg/kg	1,000	2,500	5,000	26.4	24.1	23.1	41.6	9.50	8.11	8.86	23.5	21.1
General Chemistry													
Ammonia Nitrogen	mg/kg	NS[3]	NS[3]	NS[3]	<6.8	<13.4	26	25	<14.7	<13.2	<14.8	<14.9	<7.9
Nitrate-Nitrite nitrogen	mg/kg	NS[3]	NS[3]	NS[3]	0.64	<0.57	<3.49	<16.8	6.0	9.5	2.3	<3.32	0.98
Phosphorus as PO4	mg/kg	NS[3]	NS[3]	NS[3]	1,200	1,190	1,160	1,170	1,200	445	641	1,990	1460
Total Kjeldahl Nitrogen	mg/kg	NS[3]	NS[3]	NS[3]	<61	470	1,180	780	110	<61	290	150	220

Notes:

[1] New Hampshire Department of Environmental Services Risk Characterization and Management Policy (January 1998, April 2001).

[2] Var = Standards vary by compound

[3] NS = No Standards Established

[4] BDL = Below laboratory method detection limits. Detection limits vary by compound.

Bold indicates detected concentrations above NHDES RCMP S-1 standards.

From "Periodic Summary Report - 2015 and 2016," prepared by GZA, dated May 3, 2017

TABLE 3
ZVI/BIOTIC ERD PILOT STUDY PERFORMANCE MONITORING SUMMARY
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Well ID	NH		GZ-601U						GZ-606U					
Sample Date	AGQS	GW-2	9/25/2014	3/10/2015	6/15/2015	8/24/2015	6/21/2016	11/14/2016	9/25/2014	3/10/2015	6/15/2015	8/24/2015	6/21/2016	11/14/2016
Volatile Organic Compounds (µg/L)														
Tetrachloroethene	5	240	**200**	<100	**200**	<100	<100	**200**	<100	<100	<100	<100	<100	<100
Trichloroethene	5	20	***88,500***	***16,300***	***93,800***	***4,400***	***21,100***	***92,800***	***6,700***	***9,800***	***8,400***	***3,100***	***4,300***	***100***
1,1,1-Trichloroethane	200	27,000	**9,200**	**800**	**5,700**	**400**	**1,400**	**10,600**	**6,800**	**8,300**	**2,200**	**2,400**	**5,100**	**1,400**
Carbon Tetrachloride	5	10	ND	ND	ND	ND	<100	<100	ND	ND	ND	ND	<100	<100
1,1,1,2-Tetrachloroethane	70	na	ND	ND	ND	ND	<100	<100	ND	ND	ND	ND	<100	<100
1,1,2-Trichloroethane	5	20	ND	ND	ND	ND	<100	<100	ND	ND	ND	ND	<100	<100
cis-1,2-Dichloroethene	70	na	**175,000**	**43,900**	**35,000**	**50,100**	**41,200**	**162,000**	**84,100**	**104,000**	**23,000**	**38,400**	**77,400**	**43,800**
trans-1,2-Dichloroethene	100	560	***700***	**400**	**200**	**400**	**300**	***600***	**200**	**200**	<100	**100**	**300**	**200**
1,1-Dichloroethene	7	630	***900***	**100**	<100	<100	**200**	***1,100***	**200**	***700***	**200**	<100	**100**	**100**
1,1-Dichloroethane	81	130	***1,200***	***400***	***300***	***500***	***400***	***1,200***	***500***	***500***	**100**	***200***	***900***	***1,200***
1,2-Dichloroethane	5	50	ND	ND	ND	ND	<100	<100	ND	ND	ND	ND	<100	<100
Vinyl Chloride	2	4	***1,200***	***200***	<100	***500***	***200***	***7,300***	***600***	***1,000***	***300***	<100	***1,100***	***3,100***
Chloroethane	na	na	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
Chlorobenzene	100	1,500	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Chloroform	70	70	ND	ND	ND	ND	<100	<100	ND	ND	ND	ND	<100	<100
1,2-Dichlorobenzene	600	14,000	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	600	na	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	75	80	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Benzene	5	2,900	**100**	<100	<100	<100	<100	**100**	<100	<100	<100	<100	<100	<100
Toluene	1,000	50,000	**3,800**	**200**	**1,500**	**200**	**200**	**3,700**	**1,300**	**2,100**	**700**	**700**	**2,000**	**900**
Ethylbenzene	700	1,500	**200**	<100	<100	<100	<100	**200**	<100	**200**	<100	<100	**300**	**100**
Total Xylenes	10,000	17,000	**1,000**	<300	**600**	<300	**300**	**900**	**500**	**1,300**	**300**	**300**	**1,400**	**600**
1,2,4-Trimethylbenzene	330	1,300	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
1,3,5-Trimethylbenzene	330	na	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Isopropylbenzene	800	na	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
p-Isopropyltoluene	260	na	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
n-Butylbenzene	260	na	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
n-Propylbenzene	260	na	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
sec-Butylbenzene	260	na	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Acetone	6,000	na	ND	ND	ND	ND	<2,500	<2,500	ND	ND	ND	ND	<2,500	<2,500
Carbon Disulfide	70	na	ND	ND	ND	ND	<100	<100	ND	ND	ND	ND	<100	<100
Naphthalene	20	1,700	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Styrene	100	43,000	ND	ND	ND	ND	<100	<100	ND	ND	ND	ND	<100	<100
Volatile Gases (µg/L)														
Methane	na	na	**33.9**	**38.0**	**3.7**	**26.0**	NT	NT	**8,050**	**3,790**	**4,620**	**5,120**	NT	NT
Ethane	na	na	<3	**67.8**	**7.2**	**74.9**	NT	NT	**66.7**	**58.4**	**44.5**	**48.9**	NT	NT
Ethene	na	na	**13.6**	**88.9**	**7.2**	**84.4**	NT	NT	**126**	**184**	**69**	**50.8**	NT	NT
Metals (mg/L)														
Iron	na	na	**35.4**	**1.18**	**1.22**	NT	**0.58**	**38.1**	**13.3**	**8.58**	**5.32**	NT	**19.1**	**18.8**
Manganese	0.840	na	**0.347**	**0.07**	**0.12**	NT	NT	NT	**0.465**	**0.572**	**0.299**	NT	NT	NT
Lab Geochemical Parameters (mg/L)														
Sulfate	500	na	**42.2**	**46.8**	**54.5**	**53.5**	**61.5**	**58.0**	**13.2**	**22.0**	**15.9**	**15.6**	**9.9**	**56.5**
Chloride	na	na	**131**	**49.4**	NT	NT	NT	NT	**49.0**	**71.8**	NT	NT	NT	NT
Nitrate	10	na	<0.03	**1.68**	**0.929**	<0.03	NT	NT	<0.03	<0.03	<0.03	<0.03	NT	NT
Total Organic Carbon	na	na	**43**	**16**	**28**	**23.4**	NT	NT	**27**	**21**	**27**	**26.3**	NT	NT
Field Geochemical Parameters														
pH (standard units)	na	na	**6.2**	**6.2**	**5.7**	**5.8**	**5.9**	**6.6**	**6.2**	**6.0**	**5.7**	**6.0**	**6.1**	**6.4**
Dissolved Oxygen (DO)	na	na	**2.9**	**1.6**	**0.4**	**0.4**	**0.5**	**0.9**	**2.5**	**0.9**	**0.6**	**0.9**	**0.5**	**2.8**
Oxygen Reduction Potential (mV)	na	na	**-9**	**-4**	**25**	**33**	**88**	**-22**	**-33**	**-32**	**-30**	**-51**	**-35**	**-41**

See last page for Notes.

TABLE 3
ZVI/BIOTIC ERD PILOT STUDY PERFORMANCE MONITORING SUMMARY
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Well ID	NH		GZ-802US								GZ-802UD						
Sample Date	AGQS	GW-2	9/25/2014	11/7/2014	1/9/2015	3/10/2015	7/2/2015	11/19/2015	6/21/2016	11/11/2016	9/25/2014	11/7/2014	1/9/2015	3/10/2015	7/2/2015	6/21/2016	11/14/2016
Volatile Organic Compounds (µg/L)																	
Tetrachloroethene	5	240	***400***	***400***	***300***	***300***	**200**	***402***	**70**	***400***	**100**	<100	<100	<100	<100	<100	<100
Trichloroethene	5	20	***384,000***	***196,000***	***264,000***	***174,000***	***51,400***	***266,000***	***7,000***	***335,000***	***300***	***2,800***	<100	<100	<100	***11,200***	***20,700***
1,1,1-Trichloroethane	200	27,000	***39,100***	**17,600**	***29,500***	**18,600**	**8,800**	***47,800***	**1,300**	***40,800***	<100	<100	**500**	**400**	**400**	**600**	**800**
Carbon Tetrachloride	5	10	ND	ND	ND	ND	ND	**3.9**	<1	<100	ND	ND	ND	ND	ND	<100	<100
1,1,1,2-Tetrachloroethane	70	na	ND	ND	ND	ND	ND	**7.7**	<1	<100	ND	ND	ND	ND	ND	<100	<100
1,1,2-Trichloroethane	5	20	ND	ND	ND	ND	ND	***26.6***	<1	<100	ND	ND	ND	ND	ND	<100	<100
cis-1,2-Dichloroethene	70	na	**113,000**	**103,000**	**148,000**	**105,000**	**67,600**	**221,000**	**17,400**	**222,000**	**4,500**	**5,500**	**14,700**	**14,800**	**14,300**	**40,900**	**31,100**
trans-1,2-Dichloroethene	100	560	***600***	**400**	***600***	**400**	**500**	***1,030***	**100**	***1,000***	<100	<100	<100	<100	<100	<100	<100
1,1-Dichloroethene	7	630	**400**	**200**	**300**	***1,300***	<100	**531**	**20**	***700***	<100	<100	<100	<100	<100	<100	<100
1,1-Dichloroethane	81	130	***400***	***1,100***	***1,000***	***500***	***300***	***2,350***	**100**	***1,600***	<100	<100	<100	***200***	***300***	***600***	***600***
1,2-Dichloroethane	5	50	ND	ND	ND	ND	ND	**1.2**	<1	<100	ND	ND	ND	ND	ND	<100	<100
Vinyl Chloride	2	4	<100	<100	<100	<100	<100	***61.5***	***6***	***300***	<100	<100	<100	<100	<100	***8,100***	***15,700***
Chloroethane	na	na	<200	<200	<200	<200	<200	**3.0**	**2**	<200	<200	<200	<200	<200	<200	<200	<200
Chlorobenzene	100	1,500	<100	<100	<100	<100	<100	<100	<1	<100	<100	<100	<100	<100	<100	<100	<100
Chloroform	70	70	ND	ND	ND	ND	ND	**15.5**	<1	<100	ND	ND	ND	ND	ND	<100	<100
1,2-Dichlorobenzene	600	14,000	<100	<100	<100	<100	<100	**6.2**	**2**	<100	<100	<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	600	na	<100	<100	<100	<100	<100	**1.2**	<1	<100	<100	<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	75	80	<100	<100	<100	<100	<100	**17.4**	**6**	<100	<100	<100	<100	<100	<100	<100	<100
Benzene	5	2,900	**200**	**100**	**100**	<100	<100	**242**	**6**	**300**	<100	<100	<100	<100	<100	<100	<100
Toluene	1,000	50,000	**6,900**	**5,700**	**5,800**	**4,500**	**2,600**	**6,900**	**100**	**8,400**	**200**	**200**	**100**	**200**	**200**	**1,300**	**1,700**
Ethylbenzene	700	1,500	**300**	**300**	**200**	**200**	**200**	**469**	**10**	**400**	**600**	**300**	**200**	**200**	**200**	**300**	**500**
Total Xylenes	10,000	17,000	**1,900**	**1,900**	**1,300**	**1,400**	**1,100**	**2,920**	**100**	**2,100**	**4,100**	**1,700**	**1,500**	**1,600**	**1,700**	**2,100**	**3,300**
1,2,4-Trimethylbenzene	330	1,300	<100	<100	<100	<100	<100	**84.1**	**6**	<100	**200**	**100**	**100**	**100**	**200**	**200**	**200**
1,3,5-Trimethylbenzene	330	na	<100	<100	<100	<100	<100	**25.5**	**2**	<100	<100	<100	<100	<100	<100	<100	<100
Isopropylbenzene	800	na	<100	<100	<100	<100	<100	**13.7**	**5**	<100	<100	<100	<100	<100	<100	<100	<100
p-Isopropyltoluene	260	na	<100	<100	<100	<100	<100	**3.0**	<1	<100	<100	<100	<100	<100	<100	<100	<100
n-Butylbenzene	260	na	<100	<100	<100	<100	<100	**7.0**	**2**	<100	<100	<100	<100	<100	<100	<100	<100
n-Propylbenzene	260	na	<100	<100	<100	<100	<100	**26.8**	**2**	<100	<100	<100	<100	<100	<100	<100	<100
sec-Butylbenzene	260	na	<100	<100	<100	<100	<100	**5.4**	**3**	<100	<100	<100	<100	<100	<100	<100	<100
Acetone	6,000	na	ND	ND	ND	ND	ND	**43.6**	<20	<2,500	ND	ND	ND	ND	ND	<2,500	<2,500
Carbon Disulfide	70	na	ND	ND	ND	ND	ND	**5.1**	<1	<100	ND	ND	ND	ND	ND	<100	<100
Naphthalene	20	1,700	<100	<100	<100	<100	<100	**21.6**	**3**	<100	<100	<100	<100	<100	<100	<100	<100
Styrene	100	43,000	ND	ND	ND	ND	ND	**5.5**	<1	<100	ND	ND	ND	ND	ND	<100	<100
Volatile Gases (µg/L)																	
Methane	na	na	**125**	NT	NT	**109**	**27.6**	NT	NT	**122**	**2.1**	NT	NT	**344**	**888**	NT	**207**
Ethane	na	na	<3	NT	NT	**5.4**	<3	NT	NT	**30.7**	<3	NT	NT	**219**	**162**	NT	**116**
Ethene	na	na	<5	NT	NT	**6.5**	**7.9**	NT	NT	**48.1**	<5	NT	NT	**140**	**146**	NT	**781**
Metals (mg/L)																	
Iron	na	na	**7.65**	**557**	**29.3**	**32.2**	**15.4**	NT	**1.57**	**33.5**	**4.31**	**1,120**	**282**	**238**	**81**	**79.8**	**88.1**
Manganese	0.840	na	**0.073**	NT	NT	**0.322**	**0.297**	NT	NT	NT	**0.408**	NT	NT	**2.23**	**1.38**	NT	NT
Lab Geochemical Parameters (mg/L)																	
Sulfate	500	na	**12.1**	**34.0**	**9.0**	**9.7**	**65.0**	NT	**31.6**	**23.8**	**5.6**	**33.8**	<10 EL	<1.0	**9.9**	<5.0	**11.5**
Chloride	na	na	**59.1**	NT	NT	**81.9**	**NT**	NT	NT	NT	**13.8**	NT	NT	**20.2**	NT	NT	NT
Nitrate	10	na	<0.03	NT	NT	**0.614**	**NT**	NT	NT	NT	**0.115**	NT	NT	<0.03	NT	NT	NT
Total Organic Carbon	na	na	**20**	NT	NT	**90**	**45**	NT	NT	**78.8**	**10**	NT	NT	**360**	**320**	NT	**195**
Field Geochemical Parameters																	
pH (standard units)	na	na	**5.9**	**7.1**	**6.3**	**6.3**	**6.3**	**6.0**	**6.3**	**6.2**	**6.6**	**7.8**	**6.2**	**5.8**	**6.2**	**6.3**	**6.6**
Dissolved Oxygen (DO)	na	na	**3.7**	**1.1**	**1.3**	**1.0**	**0.9**	**5.1**	**1.5**	**4.1**	**3.4**	**0.3**	**1.1**	**0.4**	**0.4**	**0.8**	**1.3**
Oxygen Reduction Potential (mV)	na	na	**-25**	**79**	**-3**	**1**	**-5**	**27**	**19**	**26**	**-41**	**-68**	**-55**	**-61**	**-60**	**-72**	**-63**

See last page for Notes.

TABLE 3
ZVI/BIOTIC ERD PILOT STUDY PERFORMANCE MONITORING SUMMARY
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Well ID	NH		GZ-TW-1U				GZ-TW-1L			GZ-TW-2						
Sample Date	AGQS	GW-2	9/25/2014	3/10/2015	6/22/2016	11/14/2016	9/25/2014	6/22/2016	11/14/2016	9/25/2014	11/7/2014	1/9/2015	3/10/2015	7/2/2015	6/22/2016	11/14/2016
Volatile Organic Compounds (µg/L)																
Tetrachloroethene	5	240	**200**	<100	<1	<100	***1,600***	***700***	***300***	<100	<100	<100	<100	<200	<100	<100
Trichloroethene	5	20	***6,700***	***200***	**9**	<100	***401,000***	***180,000***	***79,900***	***12,100***	***3,600***	***13,900***	***7,000***	***500***	***100***	***600***
1,1,1-Trichloroethane	200	27,000	**2,300**	**200**	**9**	<100	***46,000***	***27,100***	**26,000**	**5,900**	**8,300**	**5,900**	**2,700**	**500**	**500**	**1,200**
Carbon Tetrachloride	5	10	ND	ND	<1	<100	ND	<100	<100	ND	ND	ND	ND	ND	<100	<100
1,1,1,2-Tetrachloroethane	70	na	ND	ND	<1	<100	ND	<100	<100	ND	ND	ND	ND	ND	<100	<100
1,1,2-Trichloroethane	5	20	ND	ND	<1	<100	ND	100	<100	ND	ND	ND	ND	ND	<100	<100
cis-1,2-Dichloroethene	70	na	**35,300**	**5,800**	**700**	**3,300**	**241,000**	**166,000**	**343,000**	**131,000**	**101,000**	**87,800**	**58,900**	**76,800**	**41,500**	**54,700**
trans-1,2-Dichloroethene	100	560	**100**	<100	**10**	<100	***800***	***600***	***1,300***	***700***	**500**	***600***	**500**	***700***	***600***	***600***
1,1-Dichloroethene	7	630	<100	<100	<1	<100	**300**	**200**	**400**	**100**	<100	**100**	**200**	<100	<100	<100
1,1-Dichloroethane	81	130	***500***	<100	**60**	<100	***900***	***600***	***1,600***	***800***	***700***	***800***	***700***	***800***	***600***	***1,000***
1,2-Dichloroethane	5	50	ND	ND	<1	<100	ND	<100	<100	ND	ND	ND	ND	ND	<100	<100
Vinyl Chloride	2	4	***4,000***	***900***	***300***	***1,100***	***5,300***	***2,200***	***6,100***	***11,800***	***7,100***	***22,800***	***19,300***	<100	***10,200***	***22,100***
Chloroethane	na	na	<200	<200	**30**	**300**	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
Chlorobenzene	100	1,500	<100	<100	**1**	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Chloroform	70	70	ND	ND	<1	<100	ND	<100	<100	ND	ND	ND	ND	ND	<100	<100
1,2-Dichlorobenzene	600	14,000	<100	<100	**1**	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
1,3-Dichlorobenzene	600	na	<100	<100	<1	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
1,4-Dichlorobenzene	75	80	<100	<100	**3**	<100	<100	<100	<100	***100***	***300***	<100	<100	<100	<100	<100
Benzene	5	2,900	<100	<100	**1**	<100	**100**	<100	**100**	<100	<100	<100	<100	<100	<100	<100
Toluene	1,000	50,000	**1,500**	**200**	**60**	**100**	**12,600**	**8,400**	**11,200**	**7,100**	**5,100**	**3,900**	**2,200**	**1,400**	**1,400**	**2,400**
Ethylbenzene	700	1,500	**500**	<100	**20**	<100	***1,600***	**1,400**	**1,300**	***2,300***	***2,100***	**1,000**	**400**	**300**	**200**	**300**
Total Xylenes	10,000	17,000	**2,800**	<300	**80**	<300	**9,500**	**7,600**	**7,600**	**14,000**	**12,800**	**6,000**	**2,500**	**1,500**	**1,100**	**1,800**
1,2,4-Trimethylbenzene	330	1,300	**100**	<100	**3**	<100	**100**	**200**	**200**	**400**	**700**	**100**	<100	<100	<100	<100
1,3,5-Trimethylbenzene	330	na	<100	<100	**1**	<100	<100	<100	<100	**100**	**200**	<100	<100	<100	<100	<100
Isopropylbenzene	800	na	<100	<100	**1**	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
p-Isopropyltoluene	260	na	<100	<100	**2**	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
n-Butylbenzene	260	na	<100	<100	<1	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
n-Propylbenzene	260	na	<100	<100	<1	<100	<100	<100	<100	<100	**100**	<100	<100	<100	<100	<100
sec-Butylbenzene	260	na	<100	<100	<1	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Acetone	6,000	na	ND	ND	<20	<2,500	ND	<2,500	<2,500	ND	ND	ND	ND	ND	<2,500	<2,500
Carbon Disulfide	70	na	ND	ND	<1	<100	ND	<100	<100	ND	ND	ND	ND	ND	<100	<100
Naphthalene	20	1,700	<100	<100	<1	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Styrene	100	43,000	ND	ND	<1	<100	ND	<100	<100	ND	ND	ND	ND	ND	<100	<100
Volatile Gases (µg/L)																
Methane	na	na	NT	**11600**	NT	NT	NT	NT	NT	NT	NT	NT	**4,110**	**3,410**	NT	NT
Ethane	na	na	NT	**276**	NT	NT	NT	NT	NT	NT	NT	NT	**24.4**	**11.4**	NT	NT
Ethene	na	na	NT	**287**	NT	NT	NT	NT	NT	NT	NT	NT	**2,870**	**942**	NT	NT
Metals (mg/L)																
Iron	na	na	NT	**15.5**	**8.71**	**10.6**	NT	**27.2**	**35.5**	NT	**36.4**	**27.8**	**24.4**	**21.7**	**17.2**	**20.9**
Manganese	0.840	na	NT	**0.454**	NT	NT	NT	NT	NT	NT	NT	NT	**0.523**	**0.481**	NT	NT
Lab Geochemical Parameters (mg/L)																
Sulfate	500	na	NT	**38.8**	<5.0	**32.0**	NT	**12.4**	**20.2**	NT	<5	<5	**3.9**	**7.0**	<5.0	**15.9**
Chloride	na	na	NT	**17.5**	NT	NT	NT	NT	NT	NT	NT	NT	**123**	NT	NT	NT
Nitrate	10	na	NT	<0.03	NT	NT	NT	NT	NT	NT	NT	NT	<0.03	NT	NT	NT
Total Organic Carbon	na	na	NT	**12**	NT	NT	NT	NT	NT	NT	NT	NT	**49**	**72**	NT	NT
Field Geochemical Parameters																
pH (standard units)	na	na	**6.6**	**6.7**	**6.4**	**6.7**	**6**	**6.0**	**6.0**	**6.7**	**7.8**	**7.1**	**6.0**	**6.4**	**6.1**	**6.3**
Dissolved Oxygen (DO)	na	na	**4.1**	**1.1**	**0.7**	**0.9**	**3.9**	**0.7**	**2.5**	**3.1**	**1.4**	**2.1**	**1.0**	**0.8**	**0.5**	**0.9**
Oxygen Reduction Potential (mV)	na	na	**-63**	**-63**	**-47**	**-65**	**-10**	**-26**	**-10**	**-40**	**-78**	**-45**	**-60**	**-70**	**-62**	**-34**

See last page for Notes.

TABLE 3
ZVI/BIOTIC ERD PILOT STUDY PERFORMANCE MONITORING SUMMARY
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Well ID / Sample Date	NH AGQS	GW-2	GZ-TW-3							GZ-TW-4					
			9/25/2014	11/7/2014	1/9/2015	3/10/2015	7/2/2015	6/22/2016	11/14/2016	9/25/2014	11/7/2014	1/9/2015	3/10/2015	6/22/2016	11/14/2016
Volatile Organic Compounds (µg/L)															
Tetrachloroethene	5	240	***300***	***500***	***500***	***400***	***400***	<100	**200**	<1	<10	<10	<10	<1	<10
Trichloroethene	5	20	***112,000***	***158,000***	***120,000***	***155,000***	***84,600***	***31,600***	***55,200***	**3.0**	<10	<10	<10	<1	<10
1,1,1-Trichloroethane	200	27,000	**6,600**	**13,000**	**12,400**	**9,200**	**9,600**	**8,200**	**14,600**	<1	<10	<10	<10	<1	<10
Carbon Tetrachloride	5	10	ND	ND	ND	ND	ND	<100	<100	ND	ND	ND	ND	<1	<10
1,1,1,2-Tetrachloroethane	70	na	ND	ND	ND	ND	ND	<100	<100	ND	ND	ND	ND	<1	<10
1,1,2-Trichloroethane	5	20	ND	ND	ND	ND	ND	<100	<100	ND	ND	ND	ND	<1	<10
cis-1,2-Dichloroethene	70	na	**139,000**	**248,000**	**238,000**	**174,000**	**237,000**	**212,000**	**401,000**	**10**	<10	<10	<10	<1	<10
trans-1,2-Dichloroethene	100	560	**400**	***600***	***700***	**500**	***700***	***600***	***1,000***	<1	<10	<10	<10	<1	<10
1,1-Dichloroethene	7	630	**500**	***800***	***700***	***1,400***	***700***	**500**	***1,000***	<1	<10	<10	<10	<1	<10
1,1-Dichloroethane	81	130	***1,300***	***2,100***	***2,500***	***1,900***	***2,600***	***2,300***	***3,200***	**20**	**10**	**20**	**30**	**30**	**30**
1,2-Dichloroethane	5	50	ND	ND	ND	ND	ND	<100	<100	ND	ND	ND	ND	<1	<10
Vinyl Chloride	2	4	***700***	***700***	***1,300***	***1,000***	***1,300***	***2,000***	***2,900***	***4.0***	<10	<10	<10	<1	***20***
Chloroethane	na	na	<200	<200	<200	<200	<200	<200	<200	**3.0**	<20	<20	<20	7	<20
Chlorobenzene	100	1,500	<100	<100	<100	<100	<100	<100	<100	**20**	**20**	**20**	**20**	**20**	**20.5**
Chloroform	70	70	ND	ND	ND	ND	ND	<100	<100	ND	ND	ND	ND	<1	<10
1,2-Dichlorobenzene	600	14,000	<100	<100	<100	<100	<100	<100	<100	**10**	<10	**10**	**<10**	**7**	<10
1,3-Dichlorobenzene	600	na	<100	<100	<100	<100	<100	<100	<100	**3.0**	<10	<10	<10	**3**	<10
1,4-Dichlorobenzene	75	80	<100	<100	<100	<100	<100	<100	<100	**20**	**20**	**30**	**30**	**30**	**30**
Benzene	5	2,900	<100	**200**	**200**	**100**	**200**	**100**	**200**	<1	<10	<10	<10	<1	<10
Toluene	1,000	50,000	**4,500**	**9,600**	**8,100**	**7,700**	**6,300**	**4,300**	**9,300**	**7.0**	<10	<10	**20**	**6**	**20.4**
Ethylbenzene	700	1,500	**300**	**700**	**600**	**400**	**500**	**300**	**600**	**100**	**60**	**80**	**70**	**80**	**70**
Total Xylenes	10,000	17,000	**1,600**	**4,200**	**3,300**	**2,400**	**2,900**	**1,800**	**3,600**	**700**	**400**	**600**	**500**	**400**	**400**
1,2,4-Trimethylbenzene	330	1,300	<100	<100	<100	<100	<100	<100	<100	**70**	**30**	**50**	**50**	**60**	**60**
1,3,5-Trimethylbenzene	330	na	<100	<100	<100	<100	<100	<100	<100	**30**	**10**	**20**	**20**	**20**	**20**
Isopropylbenzene	800	na	<100	<100	<100	<100	<100	<100	<100	**6.0**	<10	<10	<10	**6**	<10
p-Isopropyltoluene	260	na	<100	<100	<100	<100	<100	<100	<100	**20**	**10**	**20**	**10**	**10**	<10
n-Butylbenzene	260	na	<100	<100	<100	<100	<100	<100	<100	**10**	<10	<10	<10	**3**	<10
n-Propylbenzene	260	na	<100	<100	<100	<100	<100	<100	<100	**20**	<10	**10**	**10**	**10**	**10**
sec-Butylbenzene	260	na	<100	<100	<100	<100	<100	<100	<100	**6.0**	<10	<10	<10	2	<10
Acetone	6,000	na	ND	ND	ND	ND	ND	<2,500	<2,500	ND	ND	ND	ND	<20	<200
Carbon Disulfide	70	na	ND	ND	ND	ND	ND	<100	<100	ND	ND	ND	ND	<1	<10
Naphthalene	20	1,700	<100	<100	<100	<100	<100	<100	<100	**7.0**	<10	<10	<10	**5**	<10
Styrene	100	43,000	ND	ND	ND	ND	ND	<100	<100	ND	ND	ND	ND	<1	<10
Volatile Gases (µg/L)															
Methane	na	na	**64.1**	NT	NT	**70.5**	**95.8**	NT	**34.5**	**16,700**	NT	NT	**12,600**	NT	NT
Ethane	na	na	**3.5**	NT	NT	<3	**3.1**	NT	**11.2**	**196**	NT	NT	**202**	NT	NT
Ethene	na	na	**20.6**	NT	NT	**19.5**	**30.7**	NT	**33.4**	**92.1**	NT	NT	**745**	NT	NT
Metals (mg/L)															
Iron	na	na	**16.9**	**66.8**	**81.7**	**56.7**	**58.7**	**48.5**	**71.7**	**28.8**	**23.8**	**29.8**	**25.8**	**28**	**26.0**
Manganese	0.840	na	**4.630**	NT	NT	**0.673**	**0.998**	NT	NT	**0.513**	NT	NT	**0.552**	NT	NT
Lab Geochemical Parameters (mg/L)															
Sulfate	500	na	**42.3**	**24.5**	**5.8**	**25.0**	**7.4**	<5.0	**6.3**	<5.0	<5.0	<10 EL	<1.0	<5.0	**16.1**
Chloride	na	na	**146**	NT	NT	**146**	NT	NT	NT	**4.1**	NT	NT	**21.5**	NT	NT
Nitrate	10	na	<0.03	NT	NT	<0.03	NT	NT	NT	<0.03	NT	NT	<0.03	NT	NT
Total Organic Carbon	na	na	**63**	NT	NT	**93**	**120**	NT	**165**	**41**	NT	NT	**47**	NT	NT
Field Geochemical Parameters															
pH (standard units)	na	na	**6.3**	**7.6**	**6.4**	**6.1**	**6.4**	**6.1**	**6.2**	**6.4**	**8.0**	**6.6**	**6.4**	**6.4**	**6.8**
Dissolved Oxygen (DO)	na	na	**3.1**	**1.0**	**1.1**	**0.9**	**0.8**	**0.6**	**1.9**	**3.1**	**1.1**	**0.8**	**0.7**	**0.4**	**1.0**
Oxygen Reduction Potential (mV)	na	na	**-25**	**-39**	**-69**	**-62**	**-65**	**-40**	**-13**	**-46**	**-102**	**-76**	**-59**	**-72**	**-45**

See last page for Notes.

TABLE 3
ZVI/BIOTIC ERD PILOT STUDY PERFORMANCE MONITORING SUMMARY
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Notes:
1. The New Hampshire Ambient Groundwater Quality Standards (NH AGQS) are included in Table 600-1 (Section 603.03) of the New Hampshire Code of Administrative Rules Env-Or 600 Contaminated Site Management.
2. "µg/L" indicates micrograms per liter; "mg/L" indicates milligrams per liter; "mV" indicates milliVolts.
3. "na" indicates that the respective standard has not yet been established.
4. "ND" indicates that the respective contaminant was not detected above the laboratory reporting limit.
5. Values in bold indicate the parameter was detected; shading indicates the detected value exceeded AGQS; italics indicates the detected value exceeds the GW-2 Groundwater to Indoor Air screening levels included in the NHDES Vapor Intrusion Guidance.
6. "<" indicates that the respective parameter was not detected above the analytical laboratory Reporting Limit (RL).
7. "NT" indicates the parameter was not sampled.
8. "EI" indicates the reporting limit was elevated due to matrix interference.
9. On October 2, 2014 methane, ethene, ethane, total organic carbon, nitrate, chloride, and dissolved manganese, were analyzed for in monitoring wells GZ-601U, GZ-606U, GZ-802US, GZ-802UD, GZ-TW-3, and GZ-TW-4. The results were are were recorded under 9/25/204.
10. Sulfate was analyzed using Method 9038 for each round of sampling with the exception of March 2015, for which both Method 9038 and Method 300.0 were used.

From "Remedial Action Plan Addendum," prepared by GZA, dated August 20, 2015

TABLE 5A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Tetrachloroethene**										
Round Number	Sample Date	NH AGQS = 0.005 GW-2 = 0.240 GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-203L	GZ-301	GZ-303	GZ-901L	GZ-902M	GZ-902L	MW-1D
Start of Bioremediation Pilot Test												
17	07/97	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
18	12/97	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
19	04/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
20	07/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
21	11/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
22	3,5/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
23	07/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
24	12/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
Start of Full-Scale Bioremediation												
25	06/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
26	07/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
27	08/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
28	12/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
29	01/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
30	06-07/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
31	09-10/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
32	12/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
33	01/02	**0.017**	NT	NI	NI	NI	NT	NT	NI	NI	NI	<0.005
34	02/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
35	06/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
36	10/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
37	01/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
38	07/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
39	12/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
40	02/04	NT	NT	<0.002	**0.008**	<0.002	NT	NT	NI	NI	NI	NT
41	06/04	<0.1	NT	**0.002**	**0.003**	<0.002	NT	NT	NI	NI	NI	<0.002
42	08/04	<0.100	NT	<0.050	**0.009**	<0.005	NT	NT	NI	NI	NI	<0.002
43	11/04	NT	NT	NT	NT	NT	<0.002	<0.005	NI	NI	NI	NT
44	01/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
45	06/05	NT	NT	<0.010	<0.002	<0.005	<0.002	<0.005	NI	NI	NI	NT
46	08/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
47	11/05	NT	NT	**0.011**	<0.005	<0.002	<0.001	**0.0015**	NI	NI	NI	NT
48	12/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
49	05/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
50	06/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
51	08/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
52	10/06	NT	NT	NT	<0.025	NT	NT	NT	NI	NI	NI	NT
53	12/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
55	02/07	NT	NT	NT	<0.025	NT	NT	NT	NI	NI	NI	NT
56	05/07	NT	NT	NT	<0.025	NT	NT	NT	NI	NI	NI	NT
57	07/07	NT	NT	NT	<0.01	NT	NT	NT	NI	NI	NI	NT
58	08/07	NT	NT	<0.05	<0.01	NT	<0.001	NT	NI	NI	NI	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
60	11/07	NT	NT	<0.025	<0.025	NT	<0.001	NT	NI	NI	NI	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
62	08/08	NT	NT	<0.025	<0.01	NT	<0.001	NT	NI	NI	NI	NT
63	11/08	NT	NT	<0.025	<0.01	NT	<0.001	NT	NI	NI	NI	NT
64	09/09	NT	NT	<0.005	<0.0025	NT	<0.001	NT	NI	NI	NI	NT
65	11/09	NT	NT	<0.005	<0.0025	NT	<0.001	NT	NI	NI	NI	NT
66	08/10	<0.020	NT	<0.010	<0.002	<0.002	<0.002	<0.0025	NI	NI	NI	<0.020
67	11/10	<0.050	NT	<0.010	<0.002	<0.002	<0.002	NT	NI	NI	NI	<0.020
68	08/11	<0.025	NT	<0.010	<0.001	<0.001	<0.001	NT	NI	NI	NI	<0.001
69	11-12/11	<0.025	NT	<0.0025	<0.001	<0.001	<0.001	<0.001	NI	NI	NI	NT
70	06/12	<0.05	NT	<0.01	<0.0025	<0.0025	<0.001	<0.001	NI	NI	NI	<0.0025
71	08/12	**0.0054**	NT	**0.0018**	<0.001	<0.001	<0.001	NT	NI	NI	NI	<0.001
72	11/12	<0.1	NT	<0.1	<0.001	<0.01	<0.001	<0.001	NI	NI	NI	<0.001
73	08/13	**0.005**	NT	**0.003**	<0.001	<0.001	<0.001	<0.001	NI	NI	NI	<0.001
74	11/13	<0.1	NT	<0.01	<0.001	<0.001	<0.001	NT	NI	NI	NI	<0.001
75	06/14	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	<0.001	**0.001**	<0.1	<0.001	<0.001
76	08/14	**0.006**	<0.001	**0.003**	<0.001	<0.001	<0.001	<0.001	NT	NT	NT	<0.001
77	11/14	<0.1	<0.001	**0.003**	<0.001	**0.001**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
78	06/15	<0.1	NT	**0.005**	<0.001	<0.001	<0.001	NT	NT	NT	NT	<0.01

NOTE: Please refer to last page for table notes.

TABLE 5A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Trichloroethene**										
Round Number	Sample Date	NH AGQS = 0.005 GW-2 = 0.020										
		GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-203L	GZ-301	GZ-303	GZ-901L	GZ-902M	GZ-902L	MW-1D
Start of Bioremediation Pilot Test												
17	07/97	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
18	12/97	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
19	04/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
20	07/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
21	11/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
22	3,5/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
23	07/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
24	12/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
Start of Full-Scale Bioremediation												
25	06/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
26	07/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
27	08/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
28	12/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
29	01/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
30	06-07/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
31	09-10/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
32	12/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
33	01/02	**7**	NT	NI	NI	NI	NT	NT	NI	NI	NI	**0.047**
34	02/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
35	06/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
36	10/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
37	01/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
38	07/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
39	12/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
40	02/04	NT	NT	**0.075**	**2.9**	**0.29**	NT	NT	NI	NI	NI	NT
41	06/04	**8.3**	NT	**0.87**	**1.4**	**0.11**	NT	NT	NI	NI	NI	**0.002**
42	08/04	**8.4**	NT	**2.5**	**3.0**	**0.3**	NT	NT	NI	NI	NI	<0.002
43	11/04	NT	NT	NT	NT	NT	**0.066**	**0.75**	NI	NI	NI	NT
44	01/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
45	06/05	NT	NT	**1.2**	**0.21**	**0.16**	**0.003**	**0.56**	NI	NI	NI	NT
46	08/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
47	11/05	NT	NT	**2.5**	**1.4**	**0.091**	**0.3**	**0.34**	NI	NI	NI	NT
48	12/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
49	05/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
50	06/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
51	08/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
52	10/06	NT	NT	NT	**1.2**	NT	NT	NT	NI	NI	NI	NT
53	12/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
55	02/07	NT	NT	NT	**1.4**	NT	NT	NT	NI	NI	NI	NT
56	05/07	NT	NT	NT	**1**	NT	NT	NT	NI	NI	NI	NT
57	07/07	NT	NT	NT	**0.83**	NT	NT	NT	NI	NI	NI	NT
58	08/07	NT	NT	**1.3**	**1.3**	NT	**0.0032**	NT	NI	NI	NI	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
60	11/07	NT	NT	**1.4**	**0.65**	NT	**0.048**	NT	NI	NI	NI	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
62	08/08	NT	NT	**0.77**	**0.45**	NT	**0.0064**	NT	NI	NI	NI	NT
63	11/08	NT	NT	**0.81**	**0.12**	NT	**0.007**	NT	NI	NI	NI	NT
64	09/09	NT	NT	**0.73**	**0.14**	NT	**0.0013**	NT	NI	NI	NI	NT
65	11/09	NT	NT	**0.087**	**0.079**	NT	**0.0015**	NT	NI	NI	NI	NT
66	08/10	**1.6**	NT	**0.920**	**0.200**	**0.120**	**0.003**	**0.074**	NI	NI	NI	<0.020
67	11/10	**1.7**	NT	**1.4**	**0.230**	**0.270**	**0.016**	NT	NI	NI	NI	<0.020
68	08/11	**1.5**	NT	**0.90**	**0.140**	**0.092**	**0.0029**	NT	NI	NI	NI	<0.001
69	11-12/11	**1.4**	NT	**0.32**	**0.070**	**0.077**	**0.0032**	**0.056**	NI	NI	NI	NT
70	06/12	**1.7**	NT	**0.612**	**0.154**	**0.0786**	<0.001	**0.0298**	NI	NI	NI	<0.0025
71	08/12	**0.646**	NT	**0.774**	**0.123**	**0.0752**	**0.0014**	NT	NI	NI	NI	<0.001
72	11/12	**0.643**	NT	**0.631**	**0.073**	**0.408**	**0.0114**	**0.139**	NI	NI	NI	<0.001
73	08/13	**1.4**	NT	**1**	**0.2**	**0.1**	**0.001**	**0.06**	NI	NI	NI	<0.001
74	11/13	**0.794**	NT	**0.89**	**0.0528**	**0.248**	**0.0105**	NT	NI	NI	NI	<0.001
75	06/14	**1.1**	<0.001	**0.6**	**0.06**	**0.1**	<0.001	**0.06**	**0.5**	**0.6**	<0.001	<0.001
76	08/14	**1.2**	<0.001	**1.0**	**0.07**	**0.1**	**0.008**	**0.07**	NT	NT	NT	<0.001
77	11/14	**0.7**	<0.001	**1.1**	**0.05**	**0.2**	**0.02**	**0.1**	**0.5**	**0.3**	<0.001	<0.001
78	06/15	**1.2**	NT	**1.2**	**0.05**	**0.09**	**0.006**	NT	NT	NT	NT	<0.01

NOTE: Please refer to last page for table notes.

TABLE 5A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
NHDES #198405033

Contaminant:		**1,1,1-Trichloroethane**										
Round	Sample	NH AGQS = 0.2 GW-2 = 27.0										
Number	Date	GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-203L	GZ-301	GZ-303	GZ-901L	GZ-902M	GZ-902L	MW-1D
Start of Bioremediation Pilot Test												
17	07/97	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
18	12/97	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
19	04/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
20	07/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
21	11/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
22	3,5/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
23	07/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
24	12/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
Start of Full-Scale Bioremediation												
25	06/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
26	07/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
27	08/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
28	12/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
29	01/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
30	06-07/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
31	09-10/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
32	12/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
33	01/02	**0.86**	NT	NI	NI	NI	NT	NT	NI	NI	NI	**0.17**
34	02/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
35	06/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
36	10/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
37	01/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
38	07/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
39	12/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
40	02/04	NT	NT	**0.003**	**0.17**	**0.046**	NT	NT	NI	NI	NI	NT
41	06/04	**1.9**	NT	**0.093**	**0.07**	**0.028**	NT	NT	NI	NI	NI	<0.002
42	08/04	**1.9**	NT	**0.32**	**0.22**	**0.039**	NT	NT	NI	NI	NI	<0.002
43	11/04	NT	NT	NT	NT	NT	**0.004**	**0.045**	NI	NI	NI	NT
44	01/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
45	06/05	NT	NT	**0.14**	**0.013**	**0.029**	<0.002	**0.036**	NI	NI	NI	NT
46	08/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
47	11/05	NT	NT	**0.22**	**0.078**	**0.017**	**0.027**	**0.022**	NI	NI	NI	NT
48	12/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
49	05/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
50	06/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
51	08/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
52	10/06	NT	NT	NT	**0.056**	NT	NT	NT	NI	NI	NI	NT
53	12/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
55	02/07	NT	NT	NT	**0.10**	NT	NT	NT	NI	NI	NI	NT
56	05/07	NT	NT	NT	**0.071**	NT	NT	NT	NI	NI	NI	NT
57	07/07	NT	NT	NT	**0.049**	NT	NT	NT	NI	NI	NI	NT
58	08/07	NT	NT	<0.05	**0.066**	NT	<0.001	NT	NI	NI	NI	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
60	11/07	NT	NT	**0.042**	**0.026**	NT	**0.0019**	NT	NI	NI	NI	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
62	08/08	NT	NT	**0.03**	**0.017**	NT	**0.0017**	NT	NI	NI	NI	NT
63	11/08	NT	NT	**0.028**	<0.01	NT	**0.0037**	NT	NI	NI	NI	NT
64	09/09	NT	NT	**0.026**	**0.012**	NT	<0.001	NT	NI	NI	NI	NT
65	11/09	NT	NT	<0.005	**0.0052**	NT	<0.001	NT	NI	NI	NI	NT
66	08/10	**0.100**	NT	**0.020**	**0.011**	**0.004**	<0.002	<0.0025	NI	NI	NI	<0.020
67	11/10	**0.130**	NT	**0.030**	**0.010**	**0.008**	<0.002	NT	NI	NI	NI	<0.020
68	08/11	**0.130**	NT	**0.032**	**0.0064**	**0.0036**	<0.001	NT	NI	NI	NI	<0.001
69	11-12/11	**0.110**	NT	**0.011**	**0.0088**	**0.003**	**0.0018**	**0.0021**	NI	NI	NI	NT
70	06/12	**0.138**	NT	**0.0178**	**0.0054**	**0.0028**	<0.001	<0.001	NI	NI	NI	<0.0025
71	08/12	**0.056**	NT	**0.0357**	**0.0089**	**0.0022**	<0.001	NT	NI	NI	NI	<0.001
72	11/12	**0.11**	NT	<0.1	**0.0022**	**0.0119**	<0.001	**0.005**	NI	NI	NI	<0.001
73	08/13	**0.2**	NT	**0.08**	**0.002**	**0.005**	<0.001	**0.002**	NI	NI	NI	<0.001
74	11/13	**0.158**	NT	**0.0849**	**0.0014**	**0.0118**	<0.001	NT	NI	NI	NI	<0.001
75	06/14	**0.2**	<0.001	<0.1	**0.009**	**0.004**	<0.001	**0.002**	<0.001	<0.1	<0.001	<0.001
76	08/14	**0.2**	<0.001	**0.07**	<0.001	**0.005**	<0.001	**0.002**	NT	NT	NT	<0.001
77	11/14	**0.2**	<0.001	**0.07**	<0.001	**0.02**	<0.001	**0.004**	<0.001	**0.001**	<0.001	<0.001
78	06/15	**0.2**	NT	**0.08**	<0.001	**0.006**	**0.001**	NT	NT	NT	NT	<0.01

NOTE: Please refer to last page for table notes.

TABLE 5A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Total 1,2-Dichloroethenes**										
Round Number	Sample Date	NH AGQS = 0.07 GW-2 = 0.560 GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-203L	GZ-301	GZ-303	GZ-901L	GZ-902M	GZ-902L	MW-1D
Start of Bioremediation Pilot Test												
17	07/97	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
18	12/97	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
19	04/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
20	07/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
21	11/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
22	3,5/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
23	07/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
24	12/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
Start of Full-Scale Bioremediation												
25	06/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
26	07/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
27	08/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
28	12/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
29	01/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
30	06-07/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
31	09-10/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
32	12/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
33	01/02	**0.057**	NT	NI	NI	NI	NT	NT	NI	NI	NI	**16.1**
34	02/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
35	06/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
36	10/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
37	01/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
38	07/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
39	12/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
40	02/04	NT	NT	**0.071**	**0.1**	**0.915**	NT	NT	NI	NI	NI	NT
41	06/04	**28.3**	NT	**1.312**	**0.036**	**0.653**	NT	NT	NI	NI	NI	**0.358**
42	08/04	**29.2**	NT	**5.3**	**0.11**	**0.730**	NT	NT	NI	NI	NI	**0.303**
43	11/04	NT	NT	NT	NT	NT	**0.002**	**0.26**	NI	NI	NI	NT
44	01/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
45	06/05	NT	NT	**2.04**	**0.011**	**0.608**	<0.002	**0.22**	NI	NI	NI	NT
46	08/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
47	11/05	NT	NT	**3.417**	**0.17**	**0.360**	**0.052**	**0.13**	NI	NI	NI	NT
48	12/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
49	05/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
50	06/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
51	08/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
52	10/06	NT	NT	NT	**0.056**	NT	NT	NT	NI	NI	NI	NT
53	12/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
55	02/07	NT	NT	NT	**0.084**	NT	NT	NT	NI	NI	NI	NT
56	05/07	NT	NT	NT	**0.053**	NT	NT	NT	NI	NI	NI	NT
57	07/07	NT	NT	NT	**0.043**	NT	NT	NT	NI	NI	NI	NT
58	08/07	NT	NT	**1.1**	**0.067**	NT	<0.002	NT	NI	NI	NI	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
60	11/07	NT	NT	**1**	**0.026**	NT	**0.0019**	NT	NI	NI	NI	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
62	08/08	NT	NT	**0.44**	**0.033**	NT	**0.026**	NT	NI	NI	NI	NT
63	11/08	NT	NT	**0.51**	**0.017**	NT	**0.1114**	NT	NI	NI	NI	NT
64	09/09	NT	NT	**0.55**	**0.2233**	NT	**0.0025**	NT	NI	NI	NI	NT
65	11/09	NT	NT	**0.064**	**0.1**	NT	**0.0055**	NT	NI	NI	NI	NT
66	08/10	**2.93**	NT	**0.80**	**0.314**	**0.120**	**0.010**	**0.021**	NI	NI	NI	**1.9**
67	11/10	**4.6**	NT	**1.20**	**0.243**	**0.250**	**0.029**	NT	NI	NI	NI	**0.970**
68	08/11	**3.3**	NT	**1.0**	**0.1518**	**0.11**	**0.0073**	NT	NI	NI	NI	**0.055**
69	11-12/11	**2.8**	NT	**0.31**	**0.1825**	**0.11**	**0.0731**	**0.026**	NI	NI	NI	NT
70	06/12	**3.74**	NT	**0.731**	**0.1845**	**0.108**	**0.0071**	**0.0142**	NI	NI	NI	**0.144**
71	08/12	**2.2316**	NT	**1.166**	**0.2124**	**0.105**	**0.0073**	NT	NI	NI	NI	**0.036**
72	11/12	**8.14**	NT	**0.957**	**0.0819**	**0.467**	**0.017**	**0.102**	NI	NI	NI	**0.0023**

Laboratory results for monitoring rounds after 2012 reported as separate isomers (cis and trans) on the following pages

NOTE: Please refer to last page for table notes.

TABLE 5A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
NHDES #198405033

Contaminant:		**cis-1,2-Dichloroethene**										
Round Number	Sample Date	NH AGQS = 0.07 GW-2 = NA										
		GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-203L	GZ-301	GZ-303	GZ-901L	GZ-902M	GZ-902L	MW-1D
Laboratory results for monitoring rounds prior to 2013 reported as Total 1,2-dichloroethenes on page 4												
73	08/13	**6.8**	NT	**2.5**	**0.1**	**0.2**	**0.006**	**0.04**	NI	NI	NI	**0.01**
74	11/13	**9.94**	NT	**2.41**	**0.0656**	**0.492**	**0.0138**	NT	NI	NI	NI	<0.001
75	06/14	**9.2**	<0.001	**1.8**	**0.2**	**0.2**	**0.003**	**0.07**	**0.4**	**1.4**	<0.001	**0.1**
76	08/14	**9.3**	<0.001	**3.3**	**0.04**	**0.2**	**0.003**	**0.08**	NT	NT	NT	**0.1**
77	11/14	**8.8**	<0.001	**3.1**	**0.03**	**0.7**	**0.004**	**0.2**	**0.5**	**0.7**	<0.001	**0.002**
78	06/15	**8.4**	NT	**3.6**	**0.03**	**0.3**	**0.02**	NT	NT	NT	NT	**0.4**

NOTE: Please refer to last page for table notes.

TABLE 5A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
NHDES #198405033

Contaminant:		**trans-1,2-Dichloroethene**										
Round Number	Sample Date	NH AGQS = 0.100 GW-2 = 0.560										
		GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-203L	GZ-301	GZ-303	GZ-901L	GZ-902M	GZ-902L	MW-1D
Laboratory results for monitoring rounds prior to 2013 reported as Total 1,2-dichloroethenes on page 4												
73	08/13	**0.08**	NT	**0.01**	**0.002**	**0.001**	<0.001	<0.001	NI	NI	NI	<0.001
74	11/13	<0.1	NT	**0.0116**	<0.001	**0.0023**	<0.001	NT	NI	NI	NI	<0.001
75	06/14	<0.1	<0.001	<0.1	**0.002**	**0.001**	<0.001	<0.001	**0.002**	<0.1	<0.001	<0.001
76	08/14	**0.1**	<0.001	**0.02**	<0.001	**0.001**	<0.001	<0.001	NT	NT	NT	<0.001
77	11/14	<0.1	<0.001	**0.01**	<0.001	**0.003**	<0.001	<0.001	**0.002**	**0.003**	<0.001	<0.001
78	06/15	<0.1	NT	**0.01**	<0.001	**0.001**	<0.001	NT	NT	NT	NT	<0.01

NOTE: Please refer to last page for table notes.

TABLE 5A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
NHDES #198405033

Contaminant:		**1,2-Dichloroethane**										
Round Number	Sample Date	NH AGQS = 0.005 GW-2 = 0.050 GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-203L	GZ-301	GZ-303	GZ-901L	GZ-902M	GZ-902L	MW-1D
Start of Bioremediation Pilot Test												
17	07/97	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
18	12/97	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
19	04/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
20	07/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
21	11/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
22	3,5/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
23	07/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
24	12/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
Start of Full-Scale Bioremediation												
25	06/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
26	07/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
27	08/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
28	12/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
29	01/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
30	06-07/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
31	09-10/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
32	12/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
33	01/02	**0.0016**	NT	NI	NI	NI	NT	NT	NI	NI	NI	<0.005
34	02/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
35	06/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
36	10/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
37	01/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
38	07/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
39	12/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
40	02/04	NT	NT	<0.002	<0.002	<0.002	NT	NT	NI	NI	NI	NT
41	06/04	<0.1	NT	<0.002	<0.002	<0.002	NT	NT	NI	NI	NI	**0.006**
42	08/04	<0.1	NT	<0.05	<0.002	<0.005	NT	NT	NI	NI	NI	**0.005**
43	11/04	NT	NT	NT	NT	NT	<0.002	<0.005	NI	NI	NI	NT
44	01/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
45	06/05	NT	NT	<0.01	<0.002	<0.005	<0.002	<0.005	NI	NI	NI	NT
46	08/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
47	11/05	NT	NT	<0.005	<0.005	<0.002	<0.001	<0.001	NI	NI	NI	NT
48	12/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
49	05/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
50	06/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
51	08/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
52	10/06	NT	NT	NT	<0.025	NT	NT	NT	NI	NI	NI	NT
53	12/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
55	02/07	NT	NT	NT	<0.025	NT	NT	NT	NI	NI	NI	NT
56	05/07	NT	NT	NT	<0.025	NT	NT	NT	NI	NI	NI	NT
57	07/07	NT	NT	NT	<0.01	NT	NT	NT	NI	NI	NI	NT
58	08/07	NT	NT	<0.05	<0.01	NT	<0.001	NT	NI	NI	NI	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
60	11/07	NT	NT	<0.025	<0.025	NT	NT	NT	NI	NI	NI	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
62	08/08	NT	NT	<0.025	<0.01	NT	<0.001	NT	NI	NI	NI	NT
63	11/08	NT	NT	<0.025	<0.01	NT	<0.001	NT	NI	NI	NI	NT
64	09/09	NT	NT	<0.005	<0.0025	NT	<0.001	NT	NI	NI	NI	NT
65	11/09	NT	NT	<0.005	<0.0025	NT	<0.001	NT	NI	NI	NI	NT
66	08/10	<0.020	NT	<0.010	<0.002	<0.002	<0.002	<0.0025	NI	NI	NI	<0.020
67	11/10	<0.050	NT	<0.010	<0.002	<0.002	<0.002	NT	NI	NI	NI	<0.020
68	08/11	<0.025	NT	<0.010	<0.001	<0.001	<0.001	NT	NI	NI	NI	**0.0025**
69	11-12/11	<0.025	NT	<0.0025	<0.001	<0.001	<0.001	<0.001	NI	NI	NI	NT
70	06/12	<0.05	NT	<0.01	<0.0025	<0.0025	<0.001	<0.001	NI	NI	NI	<0.0025
71	08/12	<0.001	NT	<0.001	<0.001	<0.001	<0.001	NT	NI	NI	NI	**0.0016**
72	11/12	<0.1	NT	<0.1	<0.001	<0.01	<0.001	<0.001	NI	NI	NI	**0.0016**
73	08/13	**0.001**	NT	<0.001	<0.001	<0.001	<0.001	<0.001	NI	NI	NI	**0.002**
74	11/13	<0.1	NT	<0.01	<0.001	<0.001	<0.001	NT	NI	NI	NI	**0.0016**
75	06/14	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.1	<0.001	**0.001**
76	08/14	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NT	NT	NT	**0.001**
77	11/14	<0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.001**
78	06/15	<0.1	NT	<0.001	<0.001	<0.001	<0.001	NT	NT	NT	NT	<0.01

NOTE: Please refer to last page for table notes.

TABLE 5A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
NHDES #198405033

Contaminant:		**1,1-Dichloroethene**										
Round Number	Sample Date	NH AGQS = 0.007 GW-2 = 0.630										
		GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-203L	GZ-301	GZ-303	GZ-901L	GZ-902M	GZ-902L	MW-1D
Start of Bioremediation Pilot Test												
17	07/97	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
18	12/97	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
19	04/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
20	07/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
21	11/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
22	3,5/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
23	07/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
24	12/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
Start of Full-Scale Bioremediation												
25	06/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
26	07/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
27	08/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
28	12/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
29	01/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
30	06-07/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
31	09-10/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
32	12/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
33	01/02	**0.095**	NT	NI	NI	NI	NT	NT	NI	NI	NI	**0.1**
34	02/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
35	06/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
36	10/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
37	01/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
38	07/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
39	12/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
40	02/04	NT	NT	<0.001	**0.013**	**0.006**	NT	NT	NI	NI	NI	NT
41	06/04	**0.2**	NT	**0.011**	**0.006**	**0.003**	NT	NT	NI	NI	NI	**0.001**
42	08/04	**0.2**	NT	<0.05	**0.014**	**0.006**	NT	NT	NI	NI	NI	<0.002
43	11/04	NT	NT	NT	NT	NT	<0.001	**0.005**	NI	NI	NI	NT
44	01/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
45	06/05	NT	NT	**0.02**	**0.001**	<0.005	<0.001	<0.005	NI	NI	NI	NT
46	08/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
47	11/05	NT	NT	**0.033**	**0.0072**	**0.003**	**0.002**	**0.0032**	NI	NI	NI	NT
48	12/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
49	05/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
50	06/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
51	08/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
52	10/06	NT	NT	NT	<0.025	NT	NT	NT	NI	NI	NI	NT
53	12/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
55	02/07	NT	NT	NT	<0.025	NT	NT	NT	NI	NI	NI	NT
56	05/07	NT	NT	NT	<0.025	NT	NT	NT	NI	NI	NI	NT
57	07/07	NT	NT	NT	<0.01	NT	NT	NT	NI	NI	NI	NT
58	08/07	NT	NT	<0.05	<0.01	NT	<0.001	NT	NI	NI	NI	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
60	11/07	NT	NT	<0.025	<0.025	NT	<0.001	NT	NI	NI	NI	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
62	08/08	NT	NT	<0.025	<0.01	NT	<0.001	NT	NI	NI	NI	NT
63	11/08	NT	NT	<0.025	<0.01	NT	<0.001	NT	NI	NI	NI	NT
64	09/09	NT	NT	<0.005	<0.0025	NT	<0.001	NT	NI	NI	NI	NT
65	11/09	NT	NT	<0.005	<0.0025	NT	<0.001	NT	NI	NI	NI	NT
66	08/10	**0.020**	NT	<0.010	**0.003**	**0.001**	<0.001	<0.0025	NI	NI	NI	<0.020
67	11/10	<0.050	NT	**0.010**	**0.002**	**0.003**	<0.001	NT	NI	NI	NI	<0.020
68	08/11	**0.029**	NT	**0.012**	**0.002**	**0.0014**	<0.001	NT	NI	NI	NI	<0.001
69	11-12/11	**0.029**	NT	**0.0041**	**0.0018**	**0.0012**	<0.001	<0.001	NI	NI	NI	NT
70	06/12	<0.05	NT	<0.01	<0.0025	<0.0025	<0.001	<0.001	NI	NI	NI	<0.0025
71	08/12	**0.034**	NT	**0.0121**	**0.0017**	**0.0013**	<0.001	NT	NI	NI	NI	<0.001
72	11/12	<0.1	NT	<0.1	<0.001	<0.01	<0.001	**0.0016**	NI	NI	NI	<0.001
73	08/13	**0.04**	NT	**0.02**	**0.002**	**0.002**	<0.001	<0.001	NI	NI	NI	<0.001
74	11/13	<0.1	NT	**0.0215**	<0.001	**0.0039**	<0.001	NT	NI	NI	NI	<0.001
75	06/14	<0.1	<0.001	<0.1	**0.001**	**0.001**	<0.001	<0.001	**0.006**	<0.1	<0.001	<0.001
76	08/14	**0.05**	<0.001	**0.02**	<0.001	**0.002**	<0.001	<0.001	NT	NT	NT	<0.001
77	11/14	<0.1	<0.001	**0.02**	<0.001	**0.004**	<0.001	**0.001**	**0.005**	**0.006**	<0.001	<0.001
78	06/15	<0.1	NT	**0.03**	<0.001	**0.002**	<0.001	NT	NT	NT	NT	<0.01

NOTE: Please refer to last page for table notes.

TABLE 5A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
NHDES #198405033

Contaminant:		**1,1-Dichloroethane**										
Round Number	Sample Date	NH AGQS = 0.081 GW-2 = 0.130										
		GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-203L	GZ-301	GZ-303	GZ-901L	GZ-902M	GZ-902L	MW-1D
Start of Bioremediation Pilot Test												
17	07/97	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
18	12/97	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
19	04/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
20	07/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
21	11/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
22	3,5/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
23	07/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
24	12/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
Start of Full-Scale Bioremediation												
25	06/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
26	07/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
27	08/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
28	12/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
29	01/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
30	06-07/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
31	09-10/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
32	12/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
33	01/02	**0.085**	NT	NI	NI	NI	NT	NT	NI	NI	NI	**0.43**
34	02/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
35	06/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
36	10/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
37	01/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
38	07/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
39	12/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
40	02/04	NT	NT	<0.002	**0.006**	**0.011**	NT	NT	NI	NI	NI	NT
41	06/04	**0.2**	NT	**0.013**	**0.002**	**0.007**	NT	NT	NI	NI	NI	**0.089**
42	08/04	**0.2**	NT	**0.05**	**0.003**	**0.008**	NT	NT	NI	NI	NI	**0.079**
43	11/04	NT	NT	NT	NT	NT	<0.002	<0.005	NI	NI	NI	NT
44	01/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
45	06/05	NT	NT	**0.02**	<0.002	**0.007**	<0.002	<0.005	NI	NI	NI	NT
46	08/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
47	11/05	NT	NT	**0.038**	<0.005	**0.005**	**0.001**	**0.0018**	NI	NI	NI	NT
48	12/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
49	05/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
50	06/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
51	08/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
52	10/06	NT	NT	NT	<0.025	NT	NT	NT	NI	NI	NI	NT
53	12/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
55	02/07	NT	NT	NT	<0.025	NT	NT	NT	NI	NI	NI	NT
56	05/07	NT	NT	NT	<0.025	NT	NT	NT	NI	NI	NI	NT
57	07/07	NT	NT	NT	<0.01	NT	NT	NT	NI	NI	NI	NT
58	08/07	NT	NT	<0.05	<0.01	NT	<0.001	NT	NI	NI	NI	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
60	11/07	NT	NT	<0.025	<0.025	NT	<0.001	NT	NI	NI	NI	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
62	08/08	NT	NT	<0.025	<0.01	NT	<0.001	NT	NI	NI	NI	NT
63	11/08	NT	NT	<0.025	<0.01	NT	**0.004**	NT	NI	NI	NI	NT
64	09/09	NT	NT	**0.0083**	**0.011**	NT	<0.001	NT	NI	NI	NI	NT
65	11/09	NT	NT	<0.005	**0.0054**	NT	<0.001	NT	NI	NI	NI	NT
66	08/10	**0.050**	NT	<0.010	**0.019**	**0.003**	<0.002	<0.0025	NI	NI	NI	**0.220**
67	11/10	**0.080**	NT	**0.010**	**0.010**	**0.005**	**0.002**	NT	NI	NI	NI	**0.310**
68	08/11	**0.061**	NT	**0.020**	**0.0082**	**0.0034**	**0.0018**	NT	NI	NI	NI	**0.130**
69	11-12/11	**0.050**	NT	**0.0077**	**0.011**	**0.0033**	**0.005**	<0.001	NI	NI	NI	NT
70	06/12	**0.0660**	NT	**0.0184**	**0.0094**	**0.0038**	<0.001	<0.001	NI	NI	NI	**0.132**
71	08/12	**0.0727**	NT	**0.0268**	**0.0097**	**0.0033**	<0.001	NT	NI	NI	NI	**0.115**
72	11/12	**0.154**	NT	<0.1	**0.0038**	**0.0108**	**0.0014**	**0.0028**	NI	NI	NI	**0.0695**
73	08/13	**0.1**	NT	**0.05**	**0.007**	**0.005**	<0.001	**0.002**	NI	NI	NI	**0.1**
74	11/13	**0.183**	NT	**0.0532**	**0.0038**	**0.0112**	<0.001	NT	NI	NI	NI	**0.0814**
75	06/14	**0.1**	<0.001	<0.1	**0.006**	**0.005**	<0.001	**0.002**	**0.005**	<0.1	<0.001	**0.08**
76	08/14	**0.1**	<0.001	**0.06**	**0.002**	**0.004**	<0.001	**0.002**	NT	NT	NT	**0.09**
77	11/14	**0.1**	<0.001	**0.05**	**0.001**	**0.01**	<0.001	**0.004**	**0.004**	**0.01**	<0.001	**0.04**
78	06/15	**0.1**	NT	**0.05**	**0.001**	**0.006**	<0.001	NT	NT	NT	NT	**0.1**

NOTE: Please refer to last page for table notes.

TABLE 5A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Vinyl Chloride**										
Round Number	Sample Date	NH AGQS = 0.002 GW-2 = 0.004										
		GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-203L	GZ-301	GZ-303	GZ-901L	GZ-902M	GZ-902L	MW-1D
Start of Bioremediation Pilot Test												
17	07/97	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
18	12/97	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
19	04/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
20	07/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
21	11/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
22	3,5/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
23	07/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
24	12/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
Start of Full-Scale Bioremediation												
25	06/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
26	07/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
27	08/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
28	12/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
29	01/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
30	06-07/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
31	09-10/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
32	12/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
33	01/02	**0.71**	NT	NI	NI	NI	NT	NT	NI	NI	NI	**13.5**
34	02/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
35	06/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
36	10/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
37	01/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
38	07/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
39	12/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
40	02/04	NT	NT	**0.004**	**0.002**	**0.017**	NT	NT	NI	NI	NI	NT
41	06/04	**1.3**	NT	**0.065**	<0.002	**0.005**	NT	NT	NI	NI	NI	**0.19**
42	08/04	**2.1**	NT	**0.4**	**0.003**	**0.02**	NT	NT	NI	NI	NI	**0.32**
43	11/04	NT	NT	NT	NT	NT	<0.002	**0.01**	NI	NI	NI	NT
44	01/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
45	06/05	NT	NT	**0.15**	<0.002	<0.01	<0.002	**0.01**	NI	NI	NI	NT
46	08/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
47	11/05	NT	NT	**0.21**	<0.005	**0.004**	**0.0016**	**0.0054**	NI	NI	NI	NT
48	12/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
49	05/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
50	06/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
51	08/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
52	10/06	NT	NT	NT	<0.025	NT	NT	NT	NI	NI	NI	NT
53	12/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
55	02/07	NT	NT	NT	<0.025	NT	NT	NT	NI	NI	NI	NT
56	05/07	NT	NT	NT	<0.025	NT	NT	NT	NI	NI	NI	NT
57	07/07	NT	NT	NT	<0.01	NT	NT	NT	NI	NI	NI	NT
58	08/07	NT	NT	<0.050	<0.01	NT	<0.001	NT	NI	NI	NI	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
60	11/07	NT	NT	**0.028**	<0.025	NT	<0.001	NT	NI	NI	NI	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
62	08/08	NT	NT	<0.025	<0.01	NT	<0.001	NT	NI	NI	NI	NT
63	11/08	NT	NT	<0.025	<0.01	NT	<0.001	NT	NI	NI	NI	NT
64	09/09	NT	NT	**0.015**	**0.079**	NT	<0.001	NT	NI	NI	NI	NT
65	11/09	NT	NT	<0.005	**0.038**	NT	**0.0043**	NT	NI	NI	NI	NT
66	08/10	**0.28**	NT	<0.020	**0.110**	**0.010**	<0.002	<0.0025	NI	NI	NI	**1.800**
67	11/10	**0.70**	NT	**0.030**	**0.025**	**0.020**	<0.002	NT	NI	NI	NI	**1.100**
68	08/11	**0.28**	NT	**0.035**	**0.014**	**0.009**	<0.001	NT	NI	NI	NI	**0.062**
69	11-12/11	**0.25**	NT	**0.014**	**0.028**	**0.013**	<0.001	<0.001	NI	NI	NI	NT
70	06/12	**0.311**	NT	**0.0229**	**0.0203**	**0.0122**	<0.001	<0.001	NI	NI	NI	**0.278**
71	08/12	**0.154**	NT	**0.039**	**0.0146**	**0.0104**	<0.001	NT	NI	NI	NI	**0.0692**
72	11/12	<0.1	NT	<0.1	**0.0031**	**0.0186**	<0.001	**0.0051**	NI	NI	NI	**0.003**
73	08/13	**0.7**	NT	**0.1**	**0.009**	**0.01**	<0.001	**0.002**	NI	NI	NI	**0.03**
74	11/13	**1.4**	NT	**0.112**	**0.0036**	**0.0224**	<0.001	NT	NI	NI	NI	**0.0012**
75	06/14	**0.6**	<0.001	<0.1	**0.008**	**0.009**	<0.001	**0.002**	**0.005**	<0.1	<0.001	**0.2**
76	08/14	**0.8**	<0.001	**0.09**	**0.002**	**0.01**	<0.001	**0.004**	NT	NT	NT	**0.2**
77	11/14	**0.9**	<0.001	**0.09**	<0.001	**0.03**	<0.001	**0.007**	**0.007**	**0.009**	<0.001	<0.001
78	06/15	**0.9**	NT	**0.08**	<0.001	**0.01**	<0.001	NT	NT	NT	NT	**0.5**

NOTE: Please refer to last page for table notes.

TABLE 5A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Methylene Chloride (Dichloromethane)**										
Round	Sample	NH AGQS = 0.005				GW-2 = 24.0						
Number	Date	GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-203L	GZ-301	GZ-303	GZ-901L	GZ-902M	GZ-902L	MW-1D
Start of Bioremediation Pilot Test												
17	07/97	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
18	12/97	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
19	04/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
20	07/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
21	11/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
22	3,5/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
23	07/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
24	12/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
Start of Full-Scale Bioremediation												
25	06/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
26	07/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
27	08/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
28	12/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
29	01/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
30	06-07/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
31	09-10/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
32	12/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
33	01/02	<0.004	NT	NI	NI	NI	NT	NT	NI	NI	NI	<0.035
34	02/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
35	06/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
36	10/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
37	01/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
38	07/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
39	12/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
40	02/04	NT	NT	<0.005	<0.005	<0.005	NT	NT	NI	NI	NI	NT
41	06/04	<0.5	NT	<0.005	<0.005	<0.005	NT	NT	NI	NI	NI	<0.005
42	08/04	<0.5	NT	<0.3	<0.005	<0.03	NT	NT	NI	NI	NI	<0.01
43	11/04	NT	NT	NT	NT	NT	<0.005	<0.03	NI	NI	NI	NT
44	01/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
45	06/05	NT	NT	<0.05	<0.005	<0.03	<0.005	<0.03	NI	NI	NI	NT
46	08/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
47	11/05	NT	NT	<0.005	<0.005	<0.002	<0.001	<0.001	NI	NI	NI	NT
48	12/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
49	05/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
50	06/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
51	08/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
52	10/06	NT	NT	NT	<0.025	NT	NT	NT	NI	NI	NI	NT
53	12/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
55	02/07	NT	NT	NT	<0.025	NT	NT	NT	NI	NI	NI	NT
56	05/07	NT	NT	NT	<0.025	NT	NT	NT	NI	NI	NI	NT
57	07/07	NT	NT	NT	<0.010	NT	NT	NT	NI	NI	NI	NT
58	08/07	NT	NT	<0.05	<0.01	NT	<0.001	NT	NI	NI	NI	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
60	11/07	NT	NT	<0.05	<0.05	NT	<0.002	NT	NI	NI	NI	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
62	08/08	NT	NT	<0.05	<0.02	NT	<0.002	NT	NI	NI	NI	NT
63	11/08	NT	NT	<0.05	<0.02	NT	<0.002	NT	NI	NI	NI	NT
64	09/09	NT	NT	<0.01	<0.005	NT	<0.002	NT	NI	NI	NI	NT
65	11/09	NT	NT	<0.01	<0.005	NT	<0.002	NT	NI	NI	NI	NT
66	08/10	<0.10	NT	<0.050	<0.010	<0.005	<0.005	<0.005	NI	NI	NI	<0.10
67	11/10	<0.30	NT	<0.050	<0.005	<0.005	<0.005	NT	NI	NI	NI	<0.10
68	08/11	<0.050	NT	<0.020	<0.002	<0.002	<0.002	NT	NI	NI	NI	**0.0024**
69	11-12/11	<0.050	NT	<0.005	<0.002	<0.002	<0.002	<0.002	NI	NI	NI	NT
70	06/12	<0.1	NT	<0.02	<0.005	<0.005	<0.002	<0.002	NI	NI	NI	<0.005
71	08/12	<0.004	NT	<0.004	<0.004	<0.004	<0.004	NT	NI	NI	NI	<0.004
72	11/12	<0.4	NT	<0.4	<0.004	<0.04	<0.004	<0.004	NI	NI	NI	<0.004
73	08/13	<0.004	NT	<0.004	<0.004	<0.004	<0.004	<0.004	NI	NI	NI	<0.004
74	11/13	<0.4	NT	<0.04	<0.004	<0.004	<0.004	NT	NI	NI	NI	<0.004
75	06/14	<0.4	<0.004	<0.4	<0.004	<0.004	<0.004	<0.004	<0.004	<0.4	<0.004	<0.004
76	08/14	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	NT	NT	NT	<0.004
77	11/14	<0.4	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
78	06/15	<0.4	NT	<0.004	<0.004	<0.004	<0.004	NT	NT	NT	NT	<0.02

NOTE: Please refer to last page for table notes.

TABLE 5A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Chloroform (Trichloromethane)**										
Round Number	Sample Date	NH AGQS = 0.07 GW-2 = 0.070 GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-203L	GZ-301	GZ-303	GZ-901L	GZ-902M	GZ-902L	MW-1D
Start of Bioremediation Pilot Test												
17	07/97	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
18	12/97	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
19	04/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
20	07/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
21	11/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
22	3,5/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
23	07/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
24	12/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
Start of Full-Scale Bioremediation												
25	06/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
26	07/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
27	08/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
28	12/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
29	01/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
30	06-07/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
31	09-10/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
32	12/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
33	01/02	<0.001	NT	NI	NI	NI	NT	NT	NI	NI	NI	<0.005
34	02/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
35	06/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
36	10/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
37	01/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
38	07/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
39	12/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
40	02/04	NT	NT	<0.002	<0.002	<0.002	NT	NT	NI	NI	NI	NT
41	06/04	<0.1	NT	**0.018**	<0.002	<0.002	NT	NT	NI	NI	NI	<0.002
42	08/04	<0.1	NT	<0.05	<0.002	<0.005	NT	NT	NI	NI	NI	<0.002
43	11/04	NT	NT	NT	NT	NT	<0.002	<0.005	NI	NI	NI	NT
44	01/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
45	06/05	NT	NT	**0.01**	<0.002	<0.005	<0.002	<0.005	NI	NI	NI	NT
46	08/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
47	11/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
48	12/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
49	05/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
50	06/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
51	08/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
52	10/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
53	12/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
55	02/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
56	05/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
57	07/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
58	08/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
60	11/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
62	08/08	NT	NT	<0.025	<0.01	NT	<0.001	NT	NI	NI	NI	NT
63	11/08	NT	NT	<0.025	<0.01	NT	<0.001	NT	NI	NI	NI	NT
64	09/09	NT	NT	<0.005	<0.0025	NT	<0.001	NT	NI	NI	NI	NT
65	11/09	NT	NT	<0.005	<0.0025	NT	<0.001	NT	NI	NI	NI	NT
66	08/10	<0.020	NT	<0.010	<0.002	**0.003**	<0.002	<0.0025	NI	NI	NI	<0.020
67	11/10	<0.050	NT	<0.010	<0.002	**0.003**	<0.002	NT	NI	NI	NI	<0.020
68	08/11	<0.025	NT	<0.010	<0.001	**0.0021**	<0.001	NT	NI	NI	NI	<0.001
69	11-12/11	<0.025	NT	<0.0025	<0.001	**0.0019**	<0.001	<0.001	NI	NI	NI	NT
70	06/12	<0.05	NT	<0.01	<0.0025	**0.0035**	<0.001	<0.001	NI	NI	NI	<0.0025
71	08/12	<0.001	NT	<0.001	<0.001	**0.0059**	<0.001	NT	NI	NI	NI	<0.001
72	11/12	<0.1	NT	<0.1	<0.001	<0.01	<0.001	<0.001	NI	NI	NI	<0.001
73	08/13	<0.001	NT	<0.001	<0.001	**0.004**	<0.001	<0.001	NI	NI	NI	<0.001
74	11/13	<0.1	NT	<0.01	<0.001	**0.0025**	<0.001	NT	NI	NI	NI	<0.001
75	06/14	<0.1	<0.001	<0.1	<0.001	**0.002**	<0.001	<0.001	<0.001	<0.1	<0.001	<0.001
76	08/14	<0.001	<0.001	<0.001	<0.001	**0.002**	<0.001	<0.001	NT	NT	NT	<0.001
77	11/14	<0.1	<0.001	<0.001	<0.001	**0.002**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
78	06/15	<0.1	NT	<0.001	<0.001	**0.002**	<0.001	NT	NT	NT	NT	<0.01

NOTE: Please refer to last page for table notes.

TABLE 5A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Chloroethane**										
Round Number	Sample Date	NH AGQS/GW-2 = NA										
		GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-203L	GZ-301	GZ-303	GZ-901L	GZ-902M	GZ-902L	MW-1D
Start of Bioremediation Pilot Test												
17	07/97	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
18	12/97	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
19	04/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
20	07/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
21	11/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
22	3,5/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
23	07/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
24	12/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
Start of Full-Scale Bioremediation												
25	06/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
26	07/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
27	08/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
28	12/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
29	01/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
30	06-07/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
31	09-10/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
32	12/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
33	01/02	<0.002	NT	NI	NI	NI	NT	NT	NI	NI	NI	**0.039**
34	02/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
35	06/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
36	10/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
37	01/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
38	07/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
39	12/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
40	02/04	NT	NT	<0.005	<0.005	<0.002	NT	NT	NI	NI	NI	NT
41	06/04	<0.5	NT	<0.005	<0.005	<0.005	NT	NT	NI	NI	NI	**0.22**
42	08/04	<0.5	NT	<0.03	<0.005	<0.03	NT	NT	NI	NI	NI	**0.29**
43	11/04	NT	NT	NT	NT	NT	<0.005	<0.03	NI	NI	NI	NT
44	01/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
45	06/05	NT	NT	<0.05	<0.005	<0.03	<0.005	<0.03	NI	NI	NI	NT
46	08/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
47	11/05	NT	NT	**0.006**	<0.005	<0.002	<0.001	<0.001	NI	NI	NI	NT
48	12/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
49	05/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
50	06/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
51	08/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
52	10/06	NT	NT	NT	<0.025	NT	NT	NT	NI	NI	NI	
53	12/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
55	02/07	NT	NT	NT	<0.025	NT	NT	NT	NI	NI	NI	NT
56	05/07	NT	NT	NT	<0.025	NT	NT	NT	NI	NI	NI	NT
57	07/07	NT	NT	NT	<0.01	NT	NT	NT	NI	NI	NI	NT
58	08/07	NT	NT	<0.05	<0.01	NT	<0.001	NT	NI	NI	NI	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
60	11/07	NT	NT	<0.025	<0.025	NT	<0.001	NT	NI	NI	NI	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
62	08/08	NT	NT	<0.025	<0.01	NT	<0.001	NT	NI	NI	NI	NT
63	11/08	NT	NT	<0.025	<0.01	NT	<0.001	NT	NI	NI	NI	NT
64	09/09	NT	NT	**0.0088**	<0.0025	NT	<0.001	NT	NI	NI	NI	NT
65	11/09	NT	NT	<0.005	<0.0025	NT	<0.001	NT	NI	NI	NI	NT
66	08/10	<0.100	NT	<0.050	<0.010	<0.005	<0.005	<0.0025	NI	NI	NI	**0.40**
67	11/10	<0.300	NT	<0.050	<0.005	<0.005	<0.005	NT	NI	NI	NI	**0.50**
68	08/11	**0.030**	NT	<0.010	<0.001	<0.001	<0.001	NT	NI	NI	NI	**0.25**
69	11-12/11	<0.025	NT	<0.0025	<0.001	<0.001	<0.001	<0.001	NI	NI	NI	NT
70	06/12	<0.05	NT	<0.01	<0.0025	<0.0025	<0.001	<0.001	NI	NI	NI	**0.289**
71	08/12	**0.0137**	NT	**0.004**	<0.002	<0.002	<0.002	NT	NI	NI	NI	**0.256**
72	11/12	<0.2	NT	<0.2	<0.002	<0.02	<0.002	<0.002	NI	NI	NI	**0.203**
73	08/13	**0.03**	NT	**0.007**	<0.002	<0.002	<0.002	<0.002	NI	NI	NI	**0.2**
74	11/13	<0.2	NT	<0.02	<0.002	<0.002	<0.002	NT	NI	NI	NI	**0.245**
75	06/14	<0.2	<0.002	<0.2	<0.002	<0.002	<0.002	<0.002	<0.002	<0.2	<0.002	<0.2
76	08/14	**0.04**	<0.002	**0.007**	<0.002	<0.002	<0.002	<0.002	NT	NT	NT	**0.2**
77	11/14	<0.2	<0.002	**0.008**	<0.002	**0.002**	<0.002	<0.002	<0.002	0.002	<0.002	**0.2**
78	06/15	<0.2	NT	<0.002	<0.002	<0.002	<0.002	NT	NT	NT	NT	**0.1**

NOTE: Please refer to last page for table notes.

TABLE 5A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Benzene**										
Round Number	Sample Date	NH AGQS = 0.005 GW-2 = 2.9 GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-203L	GZ-301	GZ-303	GZ-901L	GZ-902M	GZ-902L	MW-1D
remediation Pilot Test												
17	07/97	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
18	12/97	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
19	04/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
20	07/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
21	11/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
22	3,5/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
23	07/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
24	12/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
l-Scale Bioremediation												
25	06/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
26	07/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
27	08/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
28	12/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
29	01/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
30	06-07/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
31	09-10/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
32	12/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
33	01/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	**0.021**
34	02/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
35	06/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
36	10/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
37	01/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
38	07/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
39	12/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
40	02/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
41	06/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
42	08/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
43	11/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
44	01/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
45	06/05	NT	NT	<0.01	<0.001	<0.005	<0.001	<0.005	NI	NI	NI	NT
46	08/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
47	11/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
48	12/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
49	05/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
50	06/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
51	08/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
52	10/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
53	12/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
55	02/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
56	05/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
57	07/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
58	08/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
60	11/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
62	08/08	NT	NT	<0.025	<0.01	NT	<0.001	NT	NI	NI	NI	NT
63	11/08	NT	NT	<0.025	<0.01	NT	<0.001	NT	NI	NI	NI	NT
64	09/09	NT	NT	<0.005	<0.0025	NT	<0.001	NT	NI	NI	NI	NT
65	11/09	NT	NT	<0.005	<0.0025	NT	<0.001	NT	NI	NI	NI	NT
66	08/10	<0.020	NT	<0.010	<0.002	<0.001	<0.001	<0.0025	NI	NI	NI	<0.020
67	11/10	<0.050	NT	<0.010	<0.001	<0.001	<0.001	NT	NI	NI	NI	<0.020
68	08/11	<0.025	NT	<0.010	<0.001	<0.001	<0.001	NT	NI	NI	NI	**0.012**
69	11-12/11	<0.025	NT	<0.0025	<0.001	<0.001	<0.001	<0.001	NI	NI	NI	NT
70	06/12	<0.05	NT	<0.01	<0.0025	<0.0025	<0.001	<0.001	NI	NI	NI	**0.0112**
71	08/12	**0.0034**	NT	**0.0012**	<0.001	<0.001	<0.001	NT	NI	NI	NI	**0.0104**
72	11/12	<0.1	NT	<0.1	<0.001	<0.01	<0.001	<0.001	NI	NI	NI	**0.0079**
73	08/13	**0.005**	NT	**0.002**	<0.001	<0.001	<0.001	<0.001	NI	NI	NI	**0.01**
74	11/13	<0.1	NT	<0.01	<0.001	<0.001	<0.001	NT	NI	NI	NI	**0.0105**
75	06/14	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.1	<0.001	**0.009**
76	08/14	**0.006**	<0.001	**0.002**	<0.001	<0.001	<0.001	<0.001	NT	NT	NT	**0.01**
77	11/14	<0.1	<0.001	**0.002**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.007**
78	06/15	<0.1	NT	**0.002**	<0.001	<0.001	<0.001	NT	NT	NT	NT	<0.01

NOTE: Please refer to last page for table notes.

TABLE 5A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Toluene**										
Round Number	Sample Date	NH AGQS = 1.0 GW-2 = 50.0 GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-203L	GZ-301	GZ-303	GZ-901L	GZ-902M	GZ-902L	MW-1D
Start of Bioremediation Pilot Test												
17	07/97	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
18	12/97	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
19	04/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
20	07/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
21	11/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
22	3,5/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
23	07/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
24	12/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
Start of Full-Scale Bioremediation												
25	06/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
26	07/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
27	08/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
28	12/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
29	01/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
30	06-07/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
31	09-10/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
32	12/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
33	01/02	<0.001	NT	NI	NI	NI	NT	NT	NI	NI	NI	<0.005
34	02/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
35	06/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
36	10/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
37	01/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
38	07/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
39	12/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
40	02/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
41	06/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
42	08/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
43	11/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
44	01/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
45	06/05	NT	NT	<0.01	<0.001	<0.005	<0.001	<0.005	NI	NI	NI	NT
46	08/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
47	11/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
48	12/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
49	05/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
50	06/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
51	08/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
52	10/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
53	12/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
55	02/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
56	05/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
57	07/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
58	08/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
60	11/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
62	08/08	NT	NT	<0.025	<0.01	NT	<0.001	NT	NI	NI	NI	NT
63	11/08	NT	NT	<0.025	<0.01	NT	<0.001	NT	NI	NI	NI	NT
64	09/09	NT	NT	<0.005	<0.0025	NT	<0.001	NT	NI	NI	NI	NT
65	11/09	NT	NT	<0.005	<0.0025	NT	<0.001	NT	NI	NI	NI	NT
66	08/10	<0.020	NT	<0.010	<0.002	<0.001	<0.001	<0.0025	NI	NI	NI	**0.250**
67	11/10	<0.050	NT	<0.010	<0.001	<0.001	<0.001	NT	NI	NI	NI	**0.420**
68	08/11	<0.025	NT	<0.010	<0.001	<0.001	<0.001	NT	NI	NI	NI	**0.180**
69	11-12/11	<0.025	NT	<0.0025	<0.001	<0.001	<0.001	<0.001	NI	NI	NI	NT
70	06/12	<0.05	NT	<0.01	<0.0025	<0.0025	<0.001	<0.001	NI	NI	NI	**0.202**
71	08/12	<0.001	NT	<0.001	<0.001	<0.001	<0.001	NT	NI	NI	NI	**0.216**
72	11/12	<0.1	NT	<0.1	<0.001	<0.01	<0.001	<0.001	NI	NI	NI	**0.121**
73	08/13	<0.001	NT	<0.001	<0.001	<0.001	<0.001	<0.001	NI	NI	NI	**0.2**
74	11/13	<0.1	NT	<0.01	<0.001	<0.001	<0.001	NT	NI	NI	NI	**0.123**
75	06/14	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.1	<0.001	**0.1**
76	08/14	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NT	NT	NT	**0.09**
77	11/14	<0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.04**
78	06/15	<0.1	NT	<0.001	<0.001	<0.001	<0.001	NT	NT	NT	NT	**0.1**

NOTE: Please refer to last page for table notes.

TABLE 5A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Ethylbenzene**										
Round Number	Sample Date	NH AGQS = 0.7 GW-2 = 1.5										
		GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-203L	GZ-301	GZ-303	GZ-901L	GZ-902M	GZ-902L	MW-1D
Start of Bioremediation Pilot Test												
17	07/97	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
18	12/97	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
19	04/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
20	07/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
21	11/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
22	3,5/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
23	07/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
24	12/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
Start of Full-Scale Bioremediation												
25	06/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
26	07/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
27	08/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
28	12/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
29	01/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
30	06-07/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
31	09-10/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
32	12/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
33	01/02	<0.001	NT	NI	NI	NI	NT	NT	NI	NI	NI	<0.005
34	02/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
35	06/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
36	10/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
37	01/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
38	07/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
39	12/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
40	02/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
41	06/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
42	08/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
43	11/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
44	01/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
45	06/05	NT	NT	<0.01	<0.001	<0.005	<0.001	<0.005	NI	NI	NI	NT
46	08/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
47	11/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
48	12/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
49	05/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
50	06/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
51	08/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
52	10/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
53	12/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
55	02/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
56	05/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
57	07/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
58	08/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
60	11/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
62	08/08	NT	NT	<0.025	<0.01	NT	<0.001	NT	NI	NI	NI	NT
63	11/08	NT	NT	<0.025	<0.01	NT	<0.001	NT	NI	NI	NI	NT
64	09/09	NT	NT	<0.005	<0.0025	NT	<0.001	NT	NI	NI	NI	NT
65	11/09	NT	NT	<0.005	<0.0025	NT	<0.001	NT	NI	NI	NI	NT
66	08/10	<0.020	NT	<0.010	<0.002	<0.001	<0.001	<0.0025	NI	NI	NI	**0.040**
67	11/10	<0.050	NT	<0.010	<0.001	<0.001	<0.001	NT	NI	NI	NI	**0.070**
68	08/11	<0.025	NT	<0.010	<0.001	<0.001	<0.001	NT	NI	NI	NI	**0.037**
69	11-12/11	<0.025	NT	<0.0025	<0.001	<0.001	<0.001	<0.001	NI	NI	NI	NT
70	06/12	<0.05	NT	<0.01	<0.0025	<0.0025	<0.001	<0.001	NI	NI	NI	**0.0506**
71	08/12	<0.001	NT	<0.001	<0.001	<0.001	<0.001	NT	NI	NI	NI	**0.0466**
72	11/12	<0.1	NT	<0.1	<0.001	<0.01	<0.001	<0.001	NI	NI	NI	**0.0403**
73	08/13	<0.001	NT	<0.001	<0.001	<0.001	<0.001	<0.001	NI	NI	NI	**0.05**
74	11/13	<0.1	NT	<0.01	<0.001	<0.001	<0.001	NT	NI	NI	NI	**0.0423**
75	06/14	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.1	<0.001	**0.04**
76	08/14	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NT	NT	NT	**0.04**
77	11/14	<0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.03**
78	06/15	<0.1	NT	<0.001	<0.001	<0.001	<0.001	NT	NT	NT	NT	**0.04**

NOTE: Please refer to last page for table notes.

TABLE 5A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Total Xylenes**										
Round Number	Sample Date	NH AGQS = 10.0 GW-2 = 17.0										
		GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-203L	GZ-301	GZ-303	GZ-901L	GZ-902M	GZ-902L	MW-1D
Start of Bioremediation Pilot Test												
17	07/97	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
18	12/97	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
19	04/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
20	07/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
21	11/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
22	3,5/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
23	07/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
24	12/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
Start of Full-Scale Bioremediation												
25	06/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
26	07/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
27	08/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
28	12/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
29	01/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
30	06-07/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
31	09-10/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
32	12/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
33	01/02	**0.0031**	NT	NI	NI	NI	NT	NT	NI	NI	NI	**0.05**
34	02/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
35	06/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
36	10/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
37	01/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
38	07/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
39	12/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
40	02/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
41	06/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
42	08/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
43	11/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
44	01/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
45	06/05	NT	NT	<0.01	<0.001	<0.005	<0.001	<0.005	NI	NI	NI	NT
46	08/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
47	11/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
48	12/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
49	05/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
50	06/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
51	08/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
52	10/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
53	12/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
55	02/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
56	05/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
57	07/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
58	08/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
60	11/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
62	08/08	NT	NT	<0.075	<0.03	NT	<0.003	NT	NI	NI	NI	NT
63	11/08	NT	NT	<0.075	<0.03	NT	<0.003	NT	NI	NI	NI	NT
64	09/09	NT	NT	<0.01	<0.005	NT	<0.002	NT	NI	NI	NI	NT
65	11/09	NT	NT	<0.01	<0.005	NT	<0.002	NT	NI	NI	NI	NT
66	08/10	<0.020	NT	<0.010	<0.002	<0.001	<0.001	<0.00375	NI	NI	NI	**0.180**
67	11/10	<0.050	NT	<0.010	<0.001	<0.001	<0.001	NT	NI	NI	NI	**0.300**
68	08/11	<0.0375	NT	<0.015	<0.0015	<0.0015	<0.0015	NT	NI	NI	NI	**0.144**
69	11-12/11	<0.0375	NT	<0.0038	<0.0015	<0.0015	<0.0015	<0.0015	NI	NI	NI	NT
70	06/12	<0.15	NT	<0.03	<0.0075	<0.075	<0.003	<0.003	NI	NI	NI	**0.182**
71	08/12	**0.0014**	NT	<0.001	<0.001	<0.001	<0.001	NT	NI	NI	NI	**0.161**
72	11/12	<0.1	NT	<0.1	<0.001	<0.01	<0.001	<0.001	NI	NI	NI	**0.132**
73	08/13	<0.003	NT	<0.003	<0.003	<0.003	<0.003	<0.003	NI	NI	NI	**0.2**
74	11/13	<0.2	NT	<0.02	<0.002	<0.002	<0.002	NT	NI	NI	NI	**0.1**
75	06/14	<0.3	<0.003	<0.3	<0.003	<0.003	<0.003	<0.003	<0.003	<0.3	<0.003	**0.1**
76	08/14	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	NT	NT	NT	**0.1**
77	11/14	<0.3	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	**0.1**
78	06/15	<0.3	NT	<0.003	<0.003	<0.003	<0.003	NT	NT	NT	NT	**0.1**

NOTE: Please refer to last page for table notes.

TABLE 5A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
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Contaminant:		**1,4-Dioxane**										
Round Number	Sample Date	NH AGQS = 0.003 GW-2 = NA										
		GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-203L	GZ-301	GZ-303	GZ-901L	GZ-902M	GZ-902L	MW-1D
62	08/08	NT	NT	<0.003	<0.003	NT	<0.003	NT	NI	NI	NI	NT
63	11/08	NT	NT	<0.001	<0.001	NT	<0.001	NT	NI	NI	NI	NT
64	09/09	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
65	11/09	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
66	08/10	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
67	11/10	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
68	08/11	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
69	11-12/11	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
70	06/12	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
71	08/12	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
72	11/12	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
73	08/13	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
74	11/13	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
75	06/14	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
76	08/14	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
77	11/14	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
78	06/15	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 5A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Methane**										
Round Number	Sample Date	NH AGQS/GW-2 = NA										
		GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-203L	GZ-301	GZ-303	GZ-901L	GZ-902M	GZ-902L	MW-1D
Start of Bioremediation Pilot Test												
17	07/97	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
18	12/97	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
19	04/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
20	07/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
21	11/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
22	3,5/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
23	07/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
24	12/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
Start of Full-Scale Bioremediation												
25	06/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
26	07/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
27	08/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
28	12/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
29	01/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
30	06-07/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
31	09-10/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
32	12/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
33	01/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
34	02/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
35	06/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
36	10/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
37	01/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
38	07/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
39	12/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
40	02/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
41	06/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	**5.5**
42	08/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	**4.7**
43	11/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
44	01/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
45	06/05	NT	NT	**0.51**	<0.02	**0.04**	<0.02	**0.12**	NI	NI	NI	NT
46	08/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
47	11/05	NT	NT	**4.4**	NT	NT	<0.01	<0.001	NI	NI	NI	NT
48	12/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
49	05/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
50	06/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
51	08/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
52	10/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
53	12/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
55	02/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
56	05/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
57	07/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
58	08/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
60	11/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
62	08/08	NT	NT	**0.11**	<0.01	NT	<0.01	NT	NI	NI	NI	NT
63	11/08	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
64	09/09	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
65	11/09	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
66	08/10	**0.54**	NT	**0.31**	**0.14**	**0.14**	<0.02	NT	NI	NI	NI	**6.8**
67	11/10	**0.63**	NT	**0.30**	**0.44**	**0.20**	<0.02	NT	NI	NI	NI	**6.4**
68	08/11	**1.2**	NT	**0.16**	**0.38**	**1.0**	<0.01	NT	NI	NI	NI	**10**
69	11-12/11	**0.93**	NT	**0.23**	**0.84**	**1.5**	<0.010	NT	NI	NI	NI	NT
70	06/12	**0.512**	NT	**0.251**	**0.782**	**0.491**	<0.0100	NT	NI	NI	NI	**6.23**
71	08/12	**0.37**	NT	**0.23**	**0.229**	**0.164**	<0.0024	NT	NI	NI	NI	**6.64**
72	11/12	**1.56**	NT	**0.0815**	**0.0955**	**0.156**	<0.002	NT	NI	NI	NI	**7.95**
73	08/13	**0.789**	NT	**0.239**	**0.298**	**0.152**	<0.002	NT	NI	NI	NI	**7.160**
74	11/13	**1.59**	NT	**0.164**	**0.0848**	**0.117**	<0.002	NT	NI	NI	NI	**8.28**
75	06/14	**0.89**	NT	**0.167**	**0.297**	**0.145**	<0.002	NT	NT	NT	NT	**7.01**
76	08/14	**1.12**	NT	**0.228**	**0.0869**	**0.0583**	**0.0137**	NT	NT	NT	NT	**5.5**
77	11/14	**1.60**	NT	**0.195**	**0.0609**	**0.106**	<0.002	NT	NT	NT	NT	**5.54**
78	06/15	**0.615**	NT	**0.116**	**0.196**	**0.0527**	<0.002	NT	NT	NT	NT	**3.8**

NOTE: Please refer to last page for table notes.

TABLE 5A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
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Contaminant:		**Ethane**										
Round Number	Sample Date	NH AGQS/GW-2 = NA										
		GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-203L	GZ-301	GZ-303	GZ-901L	GZ-902M	GZ-902L	MW-1D
42	08/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	**0.12**
43	11/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
44	01/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
45	06/05	NT	NT	<0.02	<0.02	<0.02	<0.02	<0.02	NI	NI	NI	NT
46	08/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
47	11/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
48	12/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
49	05/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
50	06/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
51	08/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
52	10/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
53	12/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
55	02/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
56	05/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
57	07/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
58	08/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
60	11/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
62	08/08	NT	NT	<0.01	<0.01	NT	<0.01	NT	NI	NI	NI	NT
63	11/08	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
64	09/09	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
65	11/09	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
66	08/10	**0.02**	NT	<0.02	<0.02	<0.020	<0.02	NT	NI	NI	NI	**0.3**
67	11/10	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
68	08/11	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
69	11-12/11	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
70	06/12	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
71	08/12	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
72	11/12	**0.0805**	NT	<0.003	<0.003	<0.003	<0.003	NT	NI	NI	NI	**0.323**
73	08/13	**0.0251**	NT	<0.003	<0.003	<0.003	<0.003	NT	NI	NI	NI	**0.446**
74	11/13	**0.069**	NT	**0.0033**	<0.003	<0.003	<0.003	NT	NI	NI	NI	**0.511**
75	06/14	**0.0279**	NT	<0.003	<0.003	<0.003	<0.003	NT	NT	NT	NT	**0.675**
76	08/14	**0.0355**	NT	**0.0043**	<0.003	<0.003	<0.003	NT	NT	NT	NT	**0.441**
77	11/14	**0.0764**	NT	**0.0037**	<0.003	<0.003	<0.003	NT	NT	NT	NT	**0.484**
78	06/15	**0.0232**	NT	**<0.003**	<0.003	<0.003	<0.003	NT	NT	NT	NT	**0.172**

Contaminant:		**Ethene**										
Round Number	Sample Date	NH AGQS/GW-2 = NA										
		GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-203L	GZ-301	GZ-303	GZ-901L	GZ-902M	GZ-902L	MW-1D
42	08/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	**0.2**
43	11/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
44	01/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
45	06/05	NT	NT	<0.02	<0.02	<0.02	<0.02	<0.02	NI	NI	NI	NT
46	08/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
47	11/05	NT	NT	<0.02	NT	NT	<0.01	<0.001	NI	NI	NI	NT
48	12/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
49	05/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
50	06/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
51	08/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
52	10/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
53	12/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
55	02/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
56	05/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
57	07/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
58	08/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
60	11/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
62	08/08	NT	NT	<0.01	<0.01	NT	<0.01	NT	NI	NI	NI	NT
63	11/08	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
64	09/09	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
65	11/09	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
66	08/10	**0.07**	NT	<0.02	<0.02	<0.020	<0.02	NT	NI	NI	NI	**2.8**
67	11/10	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
68	08/11	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
69	11-12/11	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
70	06/12	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
71	08/12	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
72	11/12	**0.207**	NT	<0.005	<0.005	<0.005	<0.005	NT	NI	NI	NI	**1.38**
73	08/13	**0.0267**	NT	**0.338**	<0.005	<0.005	<0.005	NT	NI	NI	NI	**2.19**
74	11/13	**0.151**	NT	<0.005	<0.005	<0.005	<0.005	NT	NI	NI	NI	**2.61**
75	06/14	**0.0177**	NT	<0.005	<0.005	<0.005	<0.005	NT	NT	NT	NT	**1.87**
76	08/14	**0.0735**	NT	<0.005	<0.005	<0.005	<0.005	NT	NT	NT	NT	**1.84**
77	11/14	**0.190**	NT	<0.005	<0.005	<0.005	<0.005	NT	NT	NT	NT	**1.61**
78	06/15	**0.0218**	NT	<0.005	<0.005	<0.005	<0.005	NT	NT	NT	NT	**1.5**

NOTE: Please refer to last page for table notes.

TABLE 5A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility Site
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Contaminant:		**Iron**										
Round	Sample	NH AGQS/GW-2 = NA										
Number	Date	GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-203L	GZ-301	GZ-303	GZ-901L	GZ-902M	GZ-902L	MW-1D
1	08/87	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
2	10/87	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
No Analysis for Parameter between 1987 and 2004												
41	06/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	**3.0**
42	08/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	**1.2**
43	11/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
44	01/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
45	06/05	NT	NT	<0.05	**5.6**	**1.9**	**1.9**	<0.05	NI	NI	NI	NT
46	08/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
47	11/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
48	12/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
No Analysis for Parameter after 2005												

Contaminant:		**Manganese**										
Round	Sample	NH AGQS = 0.84 GW-2 = NA										
Number	Date	GZ-9L	GZ-10U	GZ-201L	GZ-202L	GZ-203L	GZ-301	GZ-303	GZ-901L	GZ-902M	GZ-902L	MW-1D
1	08/87	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
2	10/87	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
No Analysis for Parameter between 1987 and 2004												
41	06/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	**34**
42	08/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	**28**
43	11/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
44	01/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
45	06/05	NT	NT	**0.12**	**0.25**	**0.38**	**0.062**	**0.38**	NI	NI	NI	NT
46	08/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
47	11/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
48	12/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
No Analysis for Parameter after 2005												

NOTE: Please refer to last page for table notes.

TABLE 5A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
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Contaminant:		**Chloride**										
Round Number	Sample Date	NH AGQS/GW-2 = NA										
		GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-203L	GZ-301	GZ-303	GZ-901L	GZ-902M	GZ-902L	MW-1D
Start of Bioremediation Pilot Test												
17	07/97	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
18	12/97	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
19	04/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
20	07/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
21	11/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
22	3,5/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
23	07/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
24	12/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
Start of Full-Scale Bioremediation												
25	06/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
26	07/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
27	08/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
28	12/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
29	01/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
30	06-07/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
31	09-10/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
32	12/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
33	01/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
34	02/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
35	06/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
36	10/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
37	01/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
38	07/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
39	12/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
40	02/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
41	06/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
42	08/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
43	11/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
44	01/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
45	06/05	NT	NT	**270**	**150**	**140**	**84**	**27**	NI	NI	NI	NT
46	08/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
47	11/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
48	12/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
49	05/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
50	06/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
51	08/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
52	10/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
53	12/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
55	02/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
56	05/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
57	07/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
58	08/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
60	11/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
62	08/08	NT	NT	**200**	**96**	NT	**60**	NT	NI	NI	NI	NT
No Analysis for Parameter after 2008												

NOTE: Please refer to last page for table notes.

TABLE 5A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Total Organic Carbon (TOC), Sample Round No. 13,** Chemical Oxygen Demand (COD), Subsequent Sample Rounds until Round No. 43. Data for that round respectively reflect COD and TOC concentrations.										
Round Number	Sample Date	NH AGQS/GW-2 = NA										
		GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-203L	GZ-301	GZ-303	GZ-901L	GZ-902M	GZ-902L	MW-1D
Start of Bioremediation Pilot Test												
17	07/97	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
18	12/97	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
19	04/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
20	07/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
21	11/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
22	03/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
23	07/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
24	12/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
Start of Full-Scale Bioremediation												
25	06/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
26	07/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
27	08/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
28	12/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
29	01/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
30	06-07/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
31	09-10/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
32	12/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
33	01/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
34	02/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
35	06/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
36	10/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
37	01/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
38	07/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
39	12/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
40	02/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
41	06/04	**30**	NT	**20**	**10**	**10**	NT	NT	NI	NI	NI	**20**
42	08/04	**20**	NT	<10	<10	<10	NT	NT	NI	NI	NI	**30**
43	11/04	NT	NT	NT	NT	NT	**20**	NT	NI	NI	NI	NT
44	01/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
45	06/05	NT	NT	**6**	**7**	**3**	**3**	**3**	NI	NI	NI	NT
46	08/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
47	11/05	NT	NT	<5	NT	NT	<5	NT	NI	NI	NI	NT
48	12/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
49	05/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
50	06/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
51	08/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
52	10/06	NT	NT	NT	<5	NT	NT	NT	NI	NI	NI	NT
53	12/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
54	01/07	NT	NT	NT	**24**	NT	NT	NT	NI	NI	NI	NT
55	02/07	NT	NT	NT	**8.8**	NT	NT	NT	NI	NI	NI	NT
56	05/07	NT	NT	NT	**16**	NT	NT	NT	NI	NI	NI	NT
57	07/07	NT	NT	NT	**10**	NT	NT	NT	NI	NI	NI	NT
58	08/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
60	11/07	NT	NT	<5	**11**	NT	<5	NT	NI	NI	NI	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
62	08/08	NT	NT	**58 / 9.0**	<10 / **9.0**	NT	**11 / 5.0**	NT	NI	NI	NI	NT
63	11/08	NT	NT	NT / **7.0**	NT / **9.0**	NT	NT / <5	NT	NI	NI	NI	NT
64	09/09	NT	NT	NT/<5	NT/<5	NT	NT/<5	NT	NI	NI	NI	NT
65	11/09	NT	NT	**5.4**	**18**	NT	<5	NT	NI	NI	NI	NT
66	08/10	**140 / 1.7**	NT	<10 / **2.1**	<10 / **2.0**	<10 / **1.7**	<10 / **1.4**	NT	NI	NI	NI	**42 / 14**
67	11/10	<10 / **1.3**	NT	<10 / **0.9**	<10 / **1.8**	<10 / **1.6**	<10 / **1.1**	NT	NI	NI	NI	**44 / 13**
68	08/11	**27 / 12**	NT	**33** / <5.0	**25 / 7.0**	**29 / 19**	**41** / <5.0	NT	NI	NI	NI	**63** / <5.0
69	11-12/11	<10 / <5.0	NT	<10 / <5.0	<10 / <5.0	<10 / <5.0	<10 / <5.0	<10 / <5.0	NI	NI	NI	<10 / <5.0
70	06/12	<10 / <1	NT	<10 / <1	<10 / <1	<10 / <1	<10 / <1	NT	NI	NI	NI	**41 / 7.5**
71	08/12	<10 / <5	NT	<10 / <5	<10 / <5	<10 / <5	<10 / <5	NT	NI	NI	NI	**26 / 9**
72	11/12	<10 / 2.3	NT	<10 / **1.5**	<10 / **1.6**	<10 / **1.8**	<10 / **1.1**	NT	NI	NI	NI	**17 / 5.1**
73	08/13	**11 / 2.3**	NT	**18 / 2.1**	**15 / 5.8**	<10 / **2.1**	<10 / **1.4**	NT	NI	NI	NI	**37 / 6.8**
74	11/13	<10 / **2.9**	NT	<10 / **1.6**	<10 / **2**	<10 / **2.3**	<10 / **1.4**	NT	NI	NI	NI	**22 / 7.5**
75	06/14	**12 / 1.9**	NT	<10 / **1.5**	<10 / **3.3**	<10 / **2.5**	<10 / **2.6**	NT	NT	NT	NT	**27 / 4.6**
76	08/14	**15 / 2.7**	NT	<10 / **2.4**	<10 / **2.8**	<10 / **2**	**13 / 1.9**	NT	NT	NT	NT	**37 / 5.4**
77	11/14	**16 / 2.4**	NT	<10 / **1.8**	<10 / **2.0**	<10 / **1.8**	<10 / **1.3**	NT	NT	NT	NT	**22 / 3.9**
78	06/15	**12 / 2.8**	NT	**16 / 2.2**	**11 / 2.2**	<10 / **2.7**	<10 / **1.1**	NT	NT	NT	NT	**36 / 4.6**

NOTE: Please refer to last page for table notes.

TABLE 5A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Nitrate**										
Round Number	Sample Date	NH AGQS = 10 GW-2 = NA										
		GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-203L	GZ-301	GZ-303	GZ-901L	GZ-902M	GZ-902L	MW-1D
Start of Bioremediation Pilot Test												
17	07/97	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
18	12/97	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
19	04/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
20	07/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
21	11/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
22	3,5/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
23	07/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
24	12/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
Start of Full-Scale Bioremediation												
25	06/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
26	07/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
27	08/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
28	12/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
29	01/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
30	06-07/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
31	09-10/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
32	12/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
33	01/02	**0.015**	NT	NI	NI	NI	NT	NT	NI	NI	NI	**0.05**
34	02/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
35	06/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
36	10/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
37	01/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
38	07/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
39	12/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
40	02/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
41	06/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	<0.5
42	08/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	<0.5
43	11/04	NT	NT	NT	NT	NT	<0.5	NT	NI	NI	NI	NT
44	01/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
45	06/05	NT	NT	**3.6**	<0.5	**3.5**	<0.5	<0.5	NI	NI	NI	NT
46	08/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
47	11/05	NT	NT	**1.9**	NT	NT	<0.05	<0.05	NI	NI	NI	NT
48	12/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
49	05/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
50	06/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
51	08/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
52	10/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
53	12/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
55	02/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
56	05/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
57	07/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
58	08/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
60	11/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
62	08/08	NT	NT	**2.7**	**0.095**	NT	**0.12**	NT	NI	NI	NI	NT
63	11/08	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
64	09/09	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
65	11/09	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
66	08/10	<0.5	NT	**1.4**	<0.5	**1.3**	<0.5	<0.5	NI	NI	NI	<0.5
67	11/10	<0.5	NT	**1.3**	<0.5	**1.3**	<0.5	NT	NI	NI	NI	<0.5
68	08/11	**0.40**	NT	**1.4**	**0.21**	**1.5**	**0.26**	NT	NI	NI	NI	<0.20
69	11-12/11	**0.42**	NT	**0.77**	<0.2	**1.0**	<0.2	NT	NI	NI	NI	NT
70	06/12	**0.5**	NT	**2.0**	<0.2	**1.7**	<0.2	NT	NI	NI	NI	<0.2
71	08/12	**0.307**	NT	**1.58**	**0.097**	**1.79**	**0.11**	NT	NI	NI	NI	<0.03
72	11/12	**0.03**	NT	**1.87**	**0.031**	**1.25**	**0.35**	NT	NI	NI	NI	**1.01**
73	08/13	**0.09**	NT	**1.51**	<0.03	**2.22**	**0.097**	NT	NI	NI	NI	<0.03
74	11/13	<0.03	NT	**1.42**	<0.03	**1.91**	**0.257**	NT	NI	NI	NI	<0.03
75	06/14	**0.113**	NT	**2.09**	<0.03	**3.35**	**0.088**	NT	NT	NT	NT	<0.03
76	08/14	**0.065**	NT	**1.22**	<0.03	**3.77**	**0.201**	NT	NT	NT	NT	<0.03
77	11/14	<0.5	NT	**1.5**	<0.5	**2.9**	<0.5	NT	NT	NT	NT	<0.5
78	06/15	<0.03	NT	**1.12**	<0.03	**4.01**	**0.085**	NT	NT	NT	NT	**0.045**

NOTE: Please refer to last page for table notes.

TABLE 5A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Sulfate**										
Round Number	Sample Date	NH AGQS = 500 GW-2 = NA										
		GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-203L	GZ-301	GZ-303	GZ-901L	GZ-902M	GZ-902L	MW-1D
Start of Bioremediation Pilot Test												
17	07/97	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
18	12/97	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
19	04/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
20	07/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
21	11/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
22	3,5/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
23	07/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
24	12/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
Start of Full-Scale Bioremediation												
25	06/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
26	07/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
27	08/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
28	12/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
29	01/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
30	06-07/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
31	09-10/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
32	12/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
33	01/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
34	02/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
35	06/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
36	10/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
37	01/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
38	07/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
39	12/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
40	02/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
41	06/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	<1
42	08/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	<1
43	11/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
44	01/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
45	06/05	NT	NT	**35**	**29**	**38**	**19**	**18**	NI	NI	NI	NT
46	08/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
47	11/05	NT	NT	**31**	NT	NT	**21**	**21**	NI	NI	NI	NT
48	12/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
49	05/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
50	06/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
51	08/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
52	10/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
53	12/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
55	02/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
56	05/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
57	07/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
58	08/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
60	11/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
62	08/08	NT	NT	**21**	**58**	NT	**17**	NT	NI	NI	NI	NT
63	11/08	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
64	09/09	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
65	11/09	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
66	08/10	**23**	NT	**19**	**26**	**29**	**15**	<1.0	NI	NI	NI	<1
67	11/10	**23**	NT	**19**	**30**	**26**	**17**	NT	NI	NI	NI	1
68	08/11	**24**	NT	**18**	**31**	**25**	**16**	NT	NI	NI	NI	<0.60
69	11-12/11	**25**	NT	**16**	**41**	**28**	**17**	NT	NI	NI	NI	NT
70	06/12	**21.8**	NT	**17.4**	**39.5**	**25.3**	**15.1**	NT	NI	NI	NI	<0.6
71	08/12	**23.4**	NT	**20.8**	**32.1**	**27.3**	**15.9**	NT	NI	NI	NI	<5.0
72	11/12	**11.6**	NT	**8.51**	**29.8**	**18.8**	**11.6**	NT	NI	NI	NI	**60.8**
73	08/13	**21.3**	NT	**21.3**	**46.8**	**25.4**	**14.0**	NT	NI	NI	NI	<5.0
74	11/13	**15.2**	NT	**21.3**	**36**	**24.1**	**15.9**	NT	NI	NI	NI	**17.8**
75	06/14	**19**	NT	**27**	**23.8**	**22.5**	**12.6**	NT	NT	NT	NT	<5.0
76	08/14	**20.4**	NT	**25.3**	**270**	**27.3**	**14.7**	NT	NT	NT	NT	<5.0
77	11/14	**18.7**	NT	**24.8**	**43.4**	**27.7**	**16.6**	NT	NT	NT	NT	<5.0
78	06/15	**19.1**	NT	**28.5**	**47.4**	**26.7**	**12.0**	NT	NT	NT	NT	<5.0

NOTE: Please refer to last page for table notes.

TABLE 5A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Dissolved Oxygen**										
Round Number	Sample Date	NH AGQS/GW-2 = NA										
		GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-203L	GZ-301	GZ-303	GZ-901L	GZ-902M	GZ-902L	MW-1D
Start of Bioremediation Pilot Test												
17	07/97	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
18	12/97	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
19	04/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
20	07/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
21	11/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
22	3,5/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
23	07/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
24	12/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
Start of Full-Scale Bioremediation												
25	06/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
26	07/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
27	08/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
28	12/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
29	01/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
30	06-07/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
31	09-10/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
32	12/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
33	01/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
34	02/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
35	06/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
36	10/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
37	01/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
38	07/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
39	12/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
40	02/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
41	06/04	2.4	NT	5.9	1.2	3.5	NT	NT	NI	NI	NI	1.2
42	08/04	1.9	NT	3.2	1.9	3.2	NT	NT	NI	NI	NI	1.0
43	11/04	NT	NT	NT	NT	NT	4.2	2.1	NI	NI	NI	NT
44	01/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
45	06/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
46	08/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
47	11/05	NT	NT	4.8	0.9	0.9	3.0	0.8	NI	NI	NI	NT
48	12/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
49	05/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
50	06/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
51	08/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
52	10/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
53	12/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
54	01/07	NT	NT	NT	1.4	NT	NT	NT	NI	NI	NI	NT
55	02/07	NT	NT	NT	5.4	NT	NT	NT	NI	NI	NI	NT
56	05/07	NT	NT	NT	1.1	NT	NT	NT	NI	NI	NI	NT
57	07/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
58	08/07	NT	NT	0.7	1.4	NT	3.9	NT	NI	NI	NI	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
60	11/07	NT	NT	1.4	1.2	NT	2.8	NT	NI	NI	NI	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
62	08/08	NT	NT	2.5	3.4	NT	1.7	NT	NI	NI	NI	NT
63	11/08	NT	NT	1.7	1.1	NT	3.1	NT	NI	NI	NI	NT
64	09/09	NT	NT	0.7	1.3	NT	3.5	NT	NI	NI	NI	NT
65	11/09	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
66	08/10	2.4	NT	1.9	0.8	1.4	5.1	NT	NI	NI	NI	1.0
67	11/10	1.3	NT	1.1	1.4	1.3	2.6	NT	NI	NI	NI	1.4
68	08/11	1.2	NT	1.4	0.7	1.7	4.4	NT	NI	NI	NI	1.2
69	11-12/11	1.4	NT	1.7	1.0	1.9	4.7	NT	NI	NI	NI	NT
70	06/12	1.3	NT	1.2	1.3	1.3	4.5	1.1	NI	NI	NI	0.8
71	08/12	1.3	NT	1.5	1.3	1.9	5.1	NT	NI	NI	NI	1.1
72	11/12	1.3	NT	2.2	1.1	1.5	3.8	2.0	NI	NI	NI	1.5
73	08/13	1.3	NT	0.8	0.7	0.8	2.3	1.2	NI	NI	NI	0.8
74	11/13	1.3	NT	1.3	1.1	1.3	3.8	NT	NI	NI	NI	1.1
75	06/14	1.4	3.5	1.4	1.0	1.2	4.8	NT	1.1	1.8	0.7	1.5
76	08/14	0.9	3.1	1.0	2.3	0.8	3.1	1.2	NT	NT	NT	0.9
77	11/14	0.9	3.9	1.4	1.6	1.4	3.2	1.5	1.2	1.0	1.1	1.1
78	06/15	0.4	NT	1.1	NT	1.2	4.0	NT	NT	NT	NT	0.8

NOTE: Please refer to last page for table notes.

TABLE 5A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Oxidation Reduction Potential (ORP)**										
Round Number	Sample Date	NH AGQS/GW-2 = NA										
		GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-203L	GZ-301	GZ-303	GZ-901L	GZ-902M	GZ-902L	MW-1D
Start of Bioremediation Pilot Test												
17	07/97	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
18	12/97	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
19	04/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
20	07/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
21	11/98	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
22	3,5/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
23	07/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
24	12/99	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
Start of Full-Scale Bioremediation												
25	06/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
26	07/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
27	08/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
28	12/00	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
29	01/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
30	06-07/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
31	09-10/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
32	12/01	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NI
33	01/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
34	02/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
35	06/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
36	10/02	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
37	01/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
38	07/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
39	12/03	NT	NT	NI	NI	NI	NT	NT	NI	NI	NI	NT
40	02/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
41	06/04	+40	NT	+205	+135	+130	NT	NT	NI	NI	NI	+25
42	08/04	+185	NT	+175	+175	+110	NT	NT	NI	NI	NI	+5
43	11/04	NT	NT	NT	NT	NT	-5	+70	NI	NI	NI	NT
44	01/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
45	06/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
46	08/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
47	11/05	NT	NT	+70	+35	+70	+225	+245	NI	NI	NI	NT
48	12/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
49	05/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
50	06/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
51	08/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
52	10/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
53	12/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
54	01/07	NT	NT	NT	+35	NT	NT	NT	NI	NI	NI	NT
55	02/07	NT	NT	NT	+40	NT	NT	NT	NI	NI	NI	NT
56	05/07	NT	NT	NT	+15	NT	NT	NT	NI	NI	NI	NT
57	07/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
58	08/07	NT	NT	+95	+70	NT	+100	NT	NI	NI	NI	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
60	11/07	NT	NT	+40	+10	NT	+15	NT	NI	NI	NI	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
62	08/08	NT	NT	+90	+115	NT	+301	NT	NI	NI	NI	NT
63	11/08	NT	NT	+5	-25	NT	+25	NT	NI	NI	NI	NT
64	09/09	NT	NT	+110	-20	NT	+80	NT	NI	NI	NI	NT
65	11/09	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NT
66	08/10	+54	NT	+144	+143	+38	+117	NT	NI	NI	NI	-55
67	11/10	+75	NT	+109	+8	+99	+41	NT	NI	NI	NI	+67
68	08/11	+62	NT	+70	+107	+118	+117	NT	NI	NI	NI	-8
69	11-12/11	+77	NT	+119	+73	+93	+85	NT	NI	NI	NI	NT
70	06/12	-45	NT	+50	+30	+80	+30	+130	NI	NI	NI	-80
71	08/12	+44	NT	+126	-10	+240	+119	NT	NI	NI	NI	-117
72	11/12	+157	NT	+123	+42	+196	+115	+189	NI	NI	NI	-89
73	08/13	+38	NT	+67	-40	+123	+56	+128	NI	NI	NI	-78
74	11/13	+35	NT	+17	+19	+138	+10	NT	NI	NI	NI	+90
75	06/14	+39	+24	+64	-6	+123	-34	+103	+53	-8	-34	-98
76	08/14	+68	60	+84	-16	118	84	114	NT	NT	NT	-91
77	11/14	+20	59	+21	-50	+105	-50	+72	+53	-7	-35	-74
78	06/15	+160	NT	+115	+25	+195	+55	NT	NT	NT	NT	-60

NOTE: Please refer to last page for table notes.

TABLE 5A NOTES
NORTHERN SITE PORTION, LOWER UNIT

Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Notes:

1. Sample Round Nos. 1 through 4, 6, and subsequent rounds were carried out by GZA GeoEnvironmental, Inc. (GZA). Sample Round No. 5 was carried out by the New Hampshire Department of Environmental Services (NHDES). Please refer to the analytical laboratory reports for additional information.
2. Concentration is in milligrams per liter (mg/L), which is equivalent to parts per million (ppm). Oxidation-reduction potential (ORP) is in millivolts (mV).
3. "<" indicates that the respective parameter was not detected above the associated analytical laboratory Reporting Limit (RL).
4. "OR" indicates that the respective parameter was out of range of the meter.
5. For the Chemical Oxygen Demand (COD)/Total Organic Carbon (TOC) table, where values for both parameters are available for a given sampling round, the COD value is provided first, followed by the TOC value (e.g., 520/180).
6. This table considers only those parameters that were analyzed for and detected. Please refer to current and past analytical laboratory reports for the complete list of analytes.
7. Baseline sampling rounds conducted from August 1987 through April 1997 prior to the start of the July 1997 bioremediation pilot test are not included on this table. Please refer to the 2009 Annual Summary Letter Report or earlier reports for analytical results during these early sampling rounds.
8. Wells which have not been sampled since 2007 or earlier are not included on this table. Please refer to past reports for analytical results for these wells.
9. "AGQS" refers to NHDES Ambient Groundwater Quality Standards (AGQS) included in Env-Or 603.03. "GW-2" refers to the Groundwater to Indoor Air Screening Levels included in Table 1 – Vapor intrusion Screening Levels of the Vapor Intrusion Guidance. "NA" indicates that the respective standard has not yet been established.
10. Values in **bold** were detected above the laboratory reporting limit; shading indicates exceedances of standards, or that the concentration was at the respective standard.
11. "NT" indicates respective parameter was not tested during the respective sample round. "NI" indicates the monitoring well was not yet installed on the respective date.
12. Dissolved oxygen and ORP analyses were performed in the field using parameter-specific electrodes.
13. Monitoring wells MW-1 through MW-8 were installed by Jacques Whitford Company, Inc. between January 14, 2002 and January 16, 2002.
14. Please note that methyl *tert*-butyl ether (M*t*BE) was detected, but below the RL limit in a groundwater sample collected from monitoring well GZ-1L during the November 1994 monitoring round. Note: The RCMP standard for M*t*BE is 0.013 ppm.
15. Ethane, Ethene, 1,4-Dichlorobenzene (1,4-DCB) and 1,2-Dichlorobenzene (1,2-DCB) were detected at well MW-1D during the June 2004 monitoring round at concentrations of 0.18 mg/L, 0.24 mg/L, 0.002 mg/L and 0.001 mg/L, respectively.
16. During the August 2007 sampling round, acetone was detected at wells GZ-201L and GZ-202L at concentrations of 1.0 mg/L and 0.35mg/L, respectively. GZA notes that acetone is frequently a lab-derived contaminant.
17. The August 2010 monitoring round sample for well GZ-303 was taken on March 31, 2010.
18. During the August 2011 sampling round, M*t*BE, Isopropylbenzene, n-propylbenzene, 1,3,5-trimethylbenzene (1,3,5-TMB), 1,2,4-trimethylbenzene (1,2,4-TMB), 1,4-DCB, and 1,2-DCB were detected in well MW-1D at concentrations of 0.015 mg/L, 0.0012 mg/L, 0.0016 mg/L, 0.0022 mg/L, 0.0074 mg/L, 0.0024 mg/L, and 0.0019 mg/L, respectively.
19. During the June 2012 sampling round, 1,2,4-TMB, 1,3,5-TMB, and 1,4-DCB were detected in well MW-1D at concentrations of 0.009 mg/L, 0.0027 mg/L, and 0.0026 mg/L, respectively. Chloroform was detected at GZ-203L at a concentration of 0.0035 mg/L.
20. During the August 2012 sampling round, 1,2,4-TMB, 1,3,5-TMB, 1,2-DCB, 1,4-DCB, n-propylbenzene, isopropylbenzene, and M*t*BE were detected in well MW-1D at concentrations of 0.0071 mg/L, 0.0019 mg/L, 0.0013 mg/L, 0.0021 mg/L, 0.0015 mg/L, 0.001 mg/L, and 0.0031 mg/L, respectively. Total Trihalomethanes, water treatment disinfection by-products, were detected at GZ-203L at a concentration of 0.006 mg/L.

TABLE 5A NOTES
NORTHERN SITE PORTION, LOWER UNIT

21. During the November 2012 sampling round, 1,2,4-TMB, 1,3,5-TMB, 1,2-DCB, 1,4-DCB, n-propylbenzene, and M*t*BE were detected in well MW-1D at concentrations of 0.0058 mg/L, 0.002 mg/L, 0.0014 mg/L, 0.002 mg/L, 0.0014 mg/L, and 0.005 mg/L, respectively.

22. During the August 2013 sampling round, 1,2,4-TMB (0.007 mg/L), 1,3,5-TMB (0.002 mg/L), 1,2-DCB (0.002 mg/L), 1,4-DCB (0.002 mg/L), isopropylbenzene (0.001 mg/L), **methyl-tert-butyl-ether** (**MtBE, 0.02 mg/L**), and n-propylbenzene (0.002 mg/L) were detected in well MW-1D. The NH AGQS for M*t*BE is 0.013 mg/L. Total trihalomethanes were detected at GZ-203L at a concentration of 0.004 mg/L during the August 2013 sampling round.

23. During the November 2013 sampling round 1,2,4-TMB (0.0062 mg/L), 1,3,5-TMB (0.0018 mg/L), 1,2-DCB (0.0011 mg/L), 1,4-DCB (0.0018 mg/L), isopropylbenzene (0.001 mg/L), and n-propylbenzene (0.0014 mg/L) were detected in well MW-1D. Total Trihalomethanes, water treatment disinfection by-products, were detected at GZ-203L at a concentration of 0.002 mg/L.

24. During the June 2014 sampling round 1,2,4-TMB (0.006 mg/L), 1,3,5-TMB (0.002 mg/L), 1,2-DCB (0.001 mg/L), 1,4-DCB (0.002 mg/L), and n-propylbenzene (0.001 mg/L) were detected in well MW-1D.

25. During the August 2014 sampling round 1,2,4-TMB (0.008 mg/L), 1,3,5-TMB (0.002 mg/L), 1,2-DCB (0.001 mg/L), 1,4-DCB (0.002 mg/L), MtBE (0.01 mg/L), naphthalene (0.001 mg/L), and n-propylbenzene (0.002 mg/L) were detected in well MW-1D. 1,1,2-trichloroethane (1,1,2-TCA, 0.001 mg/L) was detected in well GZ-9L.

26. During the November 2014 sampling round 1,2,4-TMB (0.005 mg/L), 1,3,5-TMB (0.002 mg/L), 1,4-DCB (0.002 mg/L), MtBE (0.009 mg/L), and n-propylbenzene (0.001 mg/L) were detected in well MW-1D.

27. During the June 2015 sampling round methyl tert-butyl ether (0.02 mg/L) was detected in well MW-1D.

TABLE 5B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Tetrachloroethene**																	
Round Number	Sample Date	NH AGQS = 0.005 GZ-2L	GW-2 = 0.240 GZ-3L	GZ-4L	GZ-8L	GZ-402L	GZ-405L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-701L	GZ-3B
Start of Bioremediation Pilot Test																			
17	07/97	<0.4	<0.1	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
18	12/97	<0.4	<0.2	**0.086**	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
19	04/98	<0.4	**0.25**	<0.1	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.25
20	07/98	<0.05	<0.075	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
21	11/98	<0.05	<0.05	<0.025	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.1
22	3,5/99	<0.04	<0.1	<0.01	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.025
23	07/99	<0.0025	<0.1	<0.025	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
24	12/99	<0.001	<0.025	<0.01	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01
Start of Full-Scale Bioremediation																			
25	06/00	<0.002	<0.25	<0.005	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.02
26	07/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
27	08/00	<0.025	<0.05	<0.005	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01
28	12/00	<0.001	<0.02	<0.005	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
29	01/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
30	06-07/01	<0.0025	<0.05	<0.001	**0.0018**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
31	09-10/01	<0.0025	<0.02	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01
32	12/01	<0.001	<0.005	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.02
33	01/02	<0.001	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
34	02/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
35	06/02	<0.001	<0.01	<0.005	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
36	10/02	<0.002	<0.002	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
37	01/03	<0.005	<0.01	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
38	07/03	<0.02	<0.02	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
39	12/03	<0.005	<0.02	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
40	02/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
41	06/04	<0.005	<0.01	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
42	08/04	<0.002	<0.002	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
43	11/04	<0.01	<0.01	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
44	01/05	NT	NT	NT	NT	<0.002	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
45	06/05	<0.010	<0.01	<0.002	<0.002	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
46	08/05	<0.010	<0.01	<0.002	<0.002	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
47	11/05	<0.002	<0.005	<0.005	<0.001	<0.005	**0.09**	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
48	12/05	NT	NT	NT	NT	NT	**0.03**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
49	05/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
50	06/06	<0.001	<0.0025	<0.001	<0.001	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
51	08/06	<0.01	<0.005	<0.001	<0.001	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
52	10/06	NT	NT	NT	NT	NT	**0.0013**	NT	<0.025	<0.001	<0.025	<0.001	NI	NI	NI	NI	NI	NI	NT
53	12/06	<0.0025	<0.01	<0.001	<0.001	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	<0.001
54	01/07	NT	NT	NT	NT	NT	**0.058**	NT	<0.001	<0.001	**0.27**	<0.001	NI	NI	NI	NI	NI	NI	NT
55	02/07	NT	NT	NT	NT	NT	<0.1	NT	<0.001	<0.001	<2.5	<0.001	NI	NI	NI	NI	NI	NI	NT
56	05/07	NT	NT	NT	NT	NT	<0.25	NT	<0.001	<0.001	<5	**0.006**	NI	NI	NI	NI	NI	NI	NT
57	07/07	NT	NT	NT	NT	NT	<0.5	NT	<0.001	**0.0048**	<10	<0.001	NI	NI	NI	NI	NI	NI	NT
58	08/07	<0.001	<0.005	<0.001	<0.001	NT	<0.25	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	<0.001
59	09/07	NT	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	**0.017**	**0.0024**	**0.0034**	NI	NT
60	11/07	<0.001	<0.0025	<0.001	NT	NT	<0.25	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	<0.001
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
62	08/08	<0.001	<0.001	<0.001	<0.001	NT	<0.25	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	<0.001
63	11/08	<0.001	<0.0	<0.025	<0.001	<0.001	<0.25	NT	NT	NT	<25	NT	NT	NT	NT	NT	NT	NI	<0.001
64	09/09	<0.005	<0.005	<0.01	<0.001	NT	<0.005/<0.025	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
65	11/09	<0.010	<0.005	<0.01	<0.001	NT	<0.1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.005	<0.001
66	08/10	<0.002	<0.002	<0.005	<0.002	<0.005	<0.010	NT	NT	NT	<5.0	NT	<0.002	NT	NT	<0.010	<0.050	NT	<0.002
67	11/10	<0.002	<0.002	<0.005	<0.002	<0.005	<0.002	NT	NT	NT	<5.0	NT	<0.002	NT	NT	**0.030**	<0.050	NT	NT
68	08/11	<0.005	<0.0025	<0.005	<0.001	<0.005	<0.010	<0.001	<0.001	<0.001	<5.0	NT	<0.001	<0.0025	<0.001	<0.025	<0.010	NT	NT
69	11-12/11	<0.001	<0.0025	<0.005	<0.001	<0.005	<0.050 / <0.100	NT	<0.001	<0.001	<5.0	<0.001	<0.001	NT	NT	**0.070**	<0.010	NT	<0.001
70	06/12	<0.0025	<0.005	<0.01	<0.001	<0.01	<0.025	NT	<0.001	<0.001	<2	<0.001	<0.001	NT	NT	**0.0740**	<0.005	NT	NT
71	08/12	<0.001	<0.001	<0.001	<0.001	<0.001	**0.0024**	NT	<0.001	<0.001	**0.452**	<0.001	<0.001	NT	NT	**0.0478**	**0.0016**	NT	NT
72	11/12	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NT	<0.001	<0.001	<1	<0.001	<0.001	NT	NT	**0.0193**	**0.0056**	NT	<0.001
73	08/13	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NT	<0.001	<0.001	**0.3**	<0.001	<0.001	NT	NT	**0.02**	**0.003**	NT	NT
74	11/13	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	NT	<0.001	<0.001	**0.225**	<0.001	<0.001	NT	NT	<0.1	**0.0012**	NT	<0.001
75	06/14	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NT	<0.001	<0.001	**0.1**	<0.001	<0.001	NT	NT	**0.07**	**0.002**	<0.001	NT
76	08/14	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NT	<0.001	<0.001	**0.1**	<0.001	**0.001**	NT	NT	**0.04**	**0.005**	NT	NT
77	11/14	<0.001	<0.001	<0.001	<0.001	<0.001	<0.1	NT	<0.001	<0.001	<0.1	<0.001	**0.002**	NT	NT	**0.06**	**0.003**	<0.001	<0.001
78	06/15	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	NT	<0.001	<0.001	<0.1	<0.001	**0.002**	NT	NT	**0.09**	<0.02	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 5B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Trichloroethene**																	
Round Number	Sample Date	NH AGQS = 0.005 GZ-2L	GW-2 = 0.020 GZ-3L	GZ-4L	GZ-8L	GZ-402L	GZ-405L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-701L	GZ-3B
Start of Bioremediation Pilot Test																			
17	07/97	<0.4	<0.1	**0.36**	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.4**
18	12/97	<0.4	<0.2	**0.54**	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.41**
19	04/98	<0.4	<0.2	**0.41**	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.29**
20	07/98	<0.05	<0.075	**0.33**	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.36**
21	11/98	<0.05	<0.05	**0.076**	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.3**
22	3,5/99	<0.04	<0.1	**0.24**	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.36**
23	07/99	<0.0025	<0.1	<0.025	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.26**
24	12/99	**0.0034**	<0.025	<0.01	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.056**
Start of Full-Scale Bioremediation																			
25	06/00	**0.027**	**0.97**	**0.038**	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.13**
26	07/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
27	08/00	<0.025	<0.05	**0.025**	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.25**
28	12/00	**0.0014**	<0.02	**0.012**	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.15**
29	01/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
30	06-07/01	<0.0025	<0.05	**0.0022**	**0.0018**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
31	09-10/01	<0.0025	<0.02	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.17**
32	12/01	<0.001	<0.005	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.02
33	01/02	<0.001	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
34	02/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
35	06/02	<0.001	<0.01	**0.0059**	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
36	10/02	<0.002	<0.002	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
37	01/03	<0.005	<0.01	**0.01**	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
38	07/03	<0.02	<0.02	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
39	12/03	<0.005	<0.02	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
40	02/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
41	06/04	<0.005	<0.01	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
42	08/04	<0.002	<0.002	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
43	11/04	<0.01	<0.01	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
44	01/05	NT	NT	NT	NT	**0.015**	**0.004**	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
45	06/05	<0.01	<0.01	**0.006**	<0.002	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
46	08/05	<0.01	<0.01	<0.002	<0.002	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
47	11/05	<0.002	<0.005	**0.017**	<0.001	**0.011**	**6.4**	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0013**
48	12/05	NT	NT	NT	NT	NT	**4.1**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
49	05/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
50	06/06	**0.0086**	<0.0025	**0.013**	<0.001	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
51	08/06	<0.01	**0.0054**	**0.0057**	<0.001	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
52	10/06	NT	NT	NT	NT	NT	**0.18**	NT	**0.51**	**0.073**	**4.0**	<0.001	NI	NI	NI	NI	NI	NI	NT
53	12/06	<0.0025	<0.01	**0.0051**	<0.001	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	<0.001
54	01/07	NT	NT	NT	NT	NT	**5.6**	NT	**0.034**	**0.061**	**150**	**0.034**	NI	NI	NI	NI	NI	NI	NT
55	02/07	NT	NT	NT	NT	NT	**20**	NT	**0.15**	**0.1**	**480**	**0.46**	NI	NI	NI	NI	NI	NI	NT
56	05/07	NT	NT	NT	NT	NT	**30**	NT	**0.024**	**0.13**	**1,400**	**1.1**	NI	NI	NI	NI	NI	NI	NT
57	07/07	NT	NT	NT	NT	NT	**18**	NT	**0.0037**	**1**	**630**	**0.056**	NI	NI	NI	NI	NI	NI	NT
58	08/07	<0.001	<0.005	<0.001	<0.001	NT	**19**	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	<0.001
59	09/07	NT	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	**0.0096**	**0.072**	**3.4**	**0.9**	**1.9**	NI	NT
60	11/07	<0.001	<0.0025	<0.001	NT	NT	**27**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	<0.001
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
62	08/08	<0.001	<0.001	**0.0034**	<0.001	NT	**10**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	<0.001
63	11/08	<0.001	<0.01	<0.025	<0.001	**0.0072**	**7.80**	NT	NT	NT	**1,100**	NT	NT	NT	NT	NT	NT	NI	<0.001
64	09/09	<0.005	<0.005	<0.01	<0.001	NT	**0.037/0.37**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
65	11/09	<0.010	<0.005	<0.01	<0.001	NT	**3.0**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.005	<0.001
66	08/10	<0.002	<0.002	<0.005	<0.002	**0.007**	**0.170**	NT	NT	NT	**840**	NT	**0.002**	NT	NT	**0.330**	**13**	NT	<0.002
67	11/10	<0.002	<0.002	<0.005	<0.002	**0.007**	**0.006**	NT	NT	NT	**1,200**	NT	<0.002	NT	NT	**4.10**	**11**	NT	NT
68	08/11	<0.005	**0.0028**	<0.005	<0.001	<0.005	<0.010	<0.001	<0.001	<0.001	**820**	NT	<0.001	**0.120**	<0.001	**1.90**	**0.67**	NT	NT
69	11-12/11	<0.001	<0.0025	<0.005	<0.001	**0.0058**	**1.2 / 3.4**	NT	<0.001	<0.001	**750**	<0.001	**0.019**	NT	NT	**5.1**	**1.4**	NT	<0.001
70	06/12	<0.0025	<0.005	<0.01	<0.001	<0.01	**0.214**	NT	<0.001	<0.001	**133**	<0.001	**0.0848**	NT	NT	**3.47**	**0.224**	NT	NT
71	08/12	<0.001	**0.0024**	<0.001	<0.001	**0.0118**	**0.227**	NT	<0.001	<0.001	**109**	<0.001	**0.231**	NT	NT	**2.27**	**0.237**	NT	NT
72	11/12	<0.001	<0.001	**0.0022**	<0.001	**0.0036**	**0.0077**	NT	<0.001	<0.001	**62.2**	<0.001	**0.0049**	NT	NT	**0.598**	**2.41**	NT	<0.001
73	08/13	<0.001	**0.003**	<0.001	<0.001	**0.003**	<0.001	NT	<0.001	<0.001	**43.2**	<0.001	**0.07**	NT	NT	**0.8**	**0.4**	NT	NT
74	11/13	<0.01	<0.001	<0.001	<0.001	**0.0025**	**0.0012**	NT	<0.001	<0.001	**52.4**	<0.001	**0.234**	NT	NT	**2.06**	**0.228**	NT	<0.001
75	06/14	**0.003**	<0.001	<0.001	<0.001	**0.003**	**0.004**	NT	<0.001	<0.001	**19**	<0.001	**0.1**	NT	NT	**6.3**	**0.4**	<0.001	NT
76	08/14	<0.001	<0.001	<0.001	<0.001	**0.003**	**0.03**	NT	<0.001	**0.002**	**17.5**	<0.001	**0.3**	NT	NT	**1.6**	**2.7**	NT	NT
77	11/14	**0.01**	**0.004**	**0.003**	<0.001	**0.003**	**0.7**	NT	<0.001	<0.001	**8.5**	<0.001	**0.5**	NT	NT	**1.0**	**1.3**	<0.001	<0.001
78	06/15	**0.002**	<0.001	<0.001	<0.001	**0.002**	**0.05**	NT	<0.001	<0.001	**11.8**	<0.001	**0.1**	NT	NT	**1.9**	**1.0**	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 5B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**1,1,1-Trichloroethane**																	
Round Number	Sample Date	NH AGQS = 0.2 GZ-2L	GW-2 = 27.0 GZ-3L	GZ-4L	GZ-8L	GZ-402L	GZ-405L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-701L	GZ-3B
Start of Bioremediation Pilot Test																			
17	07/97	**0.45**	<0.1	**0.083**	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
18	12/97	**0.54**	**0.22**	**0.12**	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
19	04/98	<0.4	<0.2	**0.15**	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.25
20	07/98	**0.13**	<0.075	**0.088**	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
21	11/98	<0.05	**0.06**	**<0.025**	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.1
22	3,5/99	**0.051**	<0.1	<0.01	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.025
23	07/99	**0.0032**	<0.1	<0.025	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.11**
24	12/99	**0.01**	<0.025	<0.01	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01
Start of Full-Scale Bioremediation																			
25	06/00	**0.28**	<0.25	<0.005	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.02
26	07/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
27	08/00	**0.44**	<0.05	<0.005	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01
28	12/00	**0.016**	<0.02	<0.005	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
29	01/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
30	06-07/01	**0.0076**	<0.05	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
31	09-10/01	**0.0025**	<0.02	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01
32	12/01	<0.001	**0.022**	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.02
33	01/02	<0.001	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
34	02/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
35	06/02	<0.001	<0.01	<0.005	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
36	10/02	**0.003**	**0.034**	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
37	01/03	<0.005	<0.01	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
38	07/03	<0.02	<0.02	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
39	12/03	**0.03**	<0.02	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
40	02/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
41	06/04	<0.005	<0.01	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
42	08/04	<0.002	**0.007**	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
43	11/04	<0.01	<0.01	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
44	01/05	NT	NT	NT	NT	<0.002	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
45	06/05	<0.01	<0.01	<0.002	<0.002	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
46	08/05	<0.01	**0.01**	<0.002	<0.002	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
47	11/05	<0.002	<0.005	<0.005	<0.001	<0.005	**0.48**	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.001**
48	12/05	NT	NT	NT	NT	NT	**0.36**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
49	05/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
50	06/06	**0.018**	<0.0025	<0.001	<0.001	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
51	08/06	<0.01	**0.025**	<0.001	<0.001	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
52	10/06	NT	NT	NT	NT	NT	**0.002**	NT	**0.027**	**0.0032**	**0.15**	<0.001	NI	NI	NI	NI	NI	NI	NT
53	12/06	<0.0025	<0.01	<0.001	<0.001	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	<0.001
54	01/07	NT	NT	NT	NT	NT	**0.56**	NT	**0.0014**	**0.0029**	**18**	<0.001	NI	NI	NI	NI	NI	NI	NT
55	02/07	NT	NT	NT	NT	NT	**1.6**	NT	**0.0045**	**0.0034**	**34**	**0.028**	NI	NI	NI	NI	NI	NI	NT
56	05/07	NT	NT	NT	NT	NT	**2.7**	NT	**<0.001**	**0.0063**	**110**	**0.098**	NI	NI	NI	NI	NI	NI	NT
57	07/07	NT	NT	NT	NT	NT	**1.3**	NT	<0.001	**0.084**	**47**	**0.0029**	NI	NI	NI	NI	NI	NI	NT
58	08/07	**0.0015**	**0.0073**	<0.001	<0.001	NT	**1.4**	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	<0.001
59	09/07	NT	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	<0.001	**0.0044**	**0.14**	**0.035**	**0.2**	NI	NT
60	11/07	<0.001	**0.004**	<0.001	NT	NT	**1.8**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	<0.001
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
62	08/08	<0.001	**0.0019**	<0.001	<0.001	NT	**0.77**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	<0.001
63	11/08	<0.001	<0.01	<0.025	<0.001	<0.001	**0.63**	NT	NT	NT	**97**	NT	NT	NT	NT	NT	NT	NI	<0.001
64	09/09	<0.005	<0.005	<0.01	<0.001	NT	**0.028/0.26**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
65	11/09	<0.01	<0.005	<0.01	<0.001	NT	**1.2**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.005	<0.001
66	08/10	<0.002	**0.004**	<0.005	<0.002	<0.005	**0.05**	NT	NT	NT	**57**	NT	<0.002	NT	NT	**0.100**	**0.690**	NT	<0.002
67	11/10	<0.002	<0.002	<0.005	<0.002	<0.005	**0.011**	NT	NT	NT	**100**	NT	<0.002	NT	NT	**0.660**	**0.770**	NT	NT
68	08/11	<0.005	**0.013**	<0.005	<0.001	<0.005	**0.042**	<0.001	<0.001	<0.001	**84**	NT	**0.0048**	**0.032**	<0.001	**0.460**	**0.120**	NT	NT
69	11-12/11	**0.002**	<0.0025	<0.005	<0.001	<0.005	**0.65 / 2.8**	NT	<0.001	<0.001	**71**	<0.001	**0.0064**	NT	NT	**0.630**	**0.08**	NT	<0.001
70	06/12	<0.0025	**0.0080**	<0.01	<0.001	<0.01	**0.0440**	NT	<0.001	**0.0015**	**11.6**	<0.001	**0.0181**	NT	NT	**0.498**	**0.0160**	NT	NT
71	08/12	<0.001	**0.0203**	<0.001	<0.001	<0.001	**0.0531**	NT	<0.001	**0.0012**	**9.43**	<0.001	**0.006**	NT	NT	**0.16**	**0.0121**	NT	NT
72	11/12	<0.001	**0.0024**	<0.001	<0.001	<0.001	**0.0025**	NT	<0.001	<0.001	**4.51**	<0.001	**0.0166**	NT	NT	**0.0872**	**0.145**	NT	<0.001
73	08/13	**0.001**	**0.03**	<0.001	<0.001	<0.001	<0.001	NT	<0.001	<0.001	**6**	<0.001	**0.03**	NT	NT	**0.1**	**0.02**	NT	NT
74	11/13	<0.01	**0.0033**	<0.001	<0.001	<0.001	**0.01**	NT	<0.001	<0.001	**6.31**	<0.001	**0.0197**	NT	NT	**0.108**	**0.0104**	NT	<0.001
75	06/14	**0.003**	**0.003**	<0.001	<0.001	<0.001	**0.08**	NT	<0.001	<0.001	**2.3**	<0.001	**0.01**	NT	NT	**0.2**	**0.02**	<0.001	NT
76	08/14	<0.001	**0.004**	<0.001	<0.001	<0.001	**0.05**	NT	<0.001	<0.001	**2.3**	<0.001	**0.04**	NT	NT	**0.09**	**0.09**	NT	NT
77	11/14	**0.001**	**0.004**	<0.001	<0.001	<0.001	**0.7**	NT	<0.001	<0.001	**1.1**	<0.001	**0.04**	NT	NT	**0.05**	**0.1**	<0.001	<0.001
78	06/15	**0.003**	**0.004**	<0.001	<0.001	<0.001	**0.2**	NT	<0.001	<0.001	**1.3**	<0.001	**0.006**	NT	NT	**0.1**	**0.04**	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 5B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Total 1,2-Dichloroethenes**																	
Round Number	Sample Date	NH AGQS = 0.07 GZ-2L	GZ-3L	GZ-4L	GZ-8L	GW-2 = 0.560 GZ-402L	GZ-405L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-701L	GZ-3B
Start of Bioremediation Pilot Test																			
17	07/97	**64**	**8.4**	**3.6**	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**6.2**
18	12/97	**23**	**12**	**4.5**	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**5.9**
19	04/98	**10**	**9.1**	**4.4**	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**6.1**
20	07/98	**9**	**12**	**5.1**	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**9.9**
21	11/98	**0.087**	**5.5**	**0.54**	**0.0014**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**3.4**
22	3,5/99	**0.28**	**22**	**2**	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**4.9**
23	07/99	**0.0156**	**3.8**	**3**	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**6**
24	12/99	**0.017**	**14.064**	**0.41**	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.92**
Start of Full-Scale Bioremediation																			
25	06/00	**5.118**	**24.0**	**0.27**	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.83**
26	07/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
27	08/00	**6.653**	**1.7**	**0.4054**	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**3.949**
28	12/00	**0.2056**	**3.1**	**0.55**	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**3**
29	01/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
30	06-07/01	**0.1325**	**5.2**	**0.0899**	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
31	09-10/01	**0.592**	**1.2**	**0.0435**	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**4.111**
32	12/01	**0.083**	**2.7**	**0.023**	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**1.7**
33	01/02	**0.042**	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
34	02/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
35	06/02	**0.079**	**2**	**0.061**	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.085**
36	10/02	**0.83**	**4.328**	**0.008**	<0.004	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.014**
37	01/03	**0.201**	**1.62**	**0.05**	<0.004	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01
38	07/03	**3.42**	**3.93**	**0.003**	<0.004	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.012**
39	12/03	**0.998**	**5.14**	**0.003**	<0.004	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.006**
40	02/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
41	06/04	**0.028**	**1.31**	**0.002**	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
42	08/04	**0.017**	**0.224**	**0.003**	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
43	11/04	<0.01	**0.61**	**0.003**	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
44	01/05	NT	NT	NT	NT	**0.088**	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
45	06/05	**0.01**	**0.62**	**0.014**	<0.002	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
46	08/05	**0.01**	**0.2**	<0.002	<0.002	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
47	11/05	**0.011**	**0.0546**	**0.064**	<0.001	**0.053**	<0.01	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
48	12/05	NT	NT	NT	NT	NT	<0.5	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
49	05/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
50	06/06	**0.906**	**0.1665**	**0.0418**	<0.002	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
51	08/06	**1.136**	**0.889**	**0.008**	<0.002	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
52	10/06	NT	NT	NT	NT	NT	<0.002	NT	<0.05	**0.0025**	**0.026**	<0.001	NI	NI	NI	NI	NI	NI	NT
53	12/06	**0.013**	**0.24**	**0.0085**	<0.002	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	**0.0019**
54	01/07	NT	NT	NT	NT	NT	<0.0025	NT	**0.0017**	**0.0032**	**0.28**	**0.0015**	NI	NI	NI	NI	NI	NI	NT
55	02/07	NT	NT	NT	NT	NT	<0.1	NT	**0.0077**	**0.0034**	<2.5	**0.0015**	NI	NI	NI	NI	NI	NI	NT
56	05/07	NT	NT	NT	NT	NT	<0.25	NT	**0.019**	**0.0068**	<5	**0.0061**	NI	NI	NI	NI	NI	NI	NT
57	07/07	NT	NT	NT	NT	NT	<1	NT	**0.067**	**0.021**	<20	**0.0052**	NI	NI	NI	NI	NI	NI	NT
58	08/07	**0.019**	**0.12**	**0.001**	<0.002	NT	<0.5	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	<0.002
59	09/07	NT	NT	NT	<0.002	NT	NT	NT	NT	NT	NT	NT	**0.32**	**0.0048**	**0.055**	**0.34**	**1.5**	NI	NT
60	11/07	**0.007**	**0.04**	**0.0019**	NT	NT	**0.92**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	<0.002
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
62	08/08	**0.0492**	**0.0205**	**0.012**	<0.002	NT	**0.7**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	<0.002
63	11/08	**0.0075**	**0.12**	<50	<0.002	**0.036**	**0.27**	NT	NT	NT	<50	NT	NT	NT	NT	NT	NT	NI	<0.002
64	09/09	**0.71**	**0.1967**	<0.01	<0.001	NT	**0.43/2.9**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
65	11/09	**0.013**	**0.4596**	<0.01	<0.001	NT	**11**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.005	<0.001
66	08/10	**0.120**	**0.020**	<0.005	<0.002	**0.025**	**0.910**	NT	NT	NT	<5.0	NT	**0.009**	NT	NT	**1.60**	**1.30**	NT	<0.002
67	11/10	**0.015**	<0.002	**0.008**	<0.002	**0.028**	**0.390**	NT	NT	NT	<5.0	NT	<0.002	NT	NT	**3.80**	**3.60**	NT	NT
68	08/11	**0.540**	**0.3038**	<0.005	<0.001	**0.019**	**1.50**	<0.001	**0.004**	**0.0094**	**5.60**	NT	**0.033**	**0.3747**	**0.0036**	**3.50**	**1.80**	NT	NT
69	11-12/11	**0.11**	**0.046**	**0.037**	<0.001	**0.027**	**7.40 / 26.180**	NT	**0.0023**	**0.0015**	<5.0	<0.001	**0.0951**	NT	NT	**3.30**	**0.62**	NT	<0.001
70	06/12	**0.170**	**0.0575**	<0.01	<0.001	**0.0187**	**1.42**	NT	**0.0025**	**0.0648**	**8.72**	<0.001	**0.0909**	NT	NT	**4.01**	**0.271**	NT	NT
71	08/12	**0.0574**	**0.2581**	<0.001	<0.001	**0.0194**	**0.7919**	NT	**0.0024**	**0.0073**	**7.13**	<0.001	**0.132**	NT	NT	**2.6065**	**0.2857**	NT	NT
72	11/12	**0.0241**	**0.0011**	**0.0133**	<0.001	**0.0217**	**0.061**	NT	**0.0028**	**0.0013**	**5.73**	<0.001	**0.6106**	NT	NT	**0.698**	**0.5624**	NT	<0.001
Laboratory results for monitoring rounds after 2012 reported as separate isomers (cis and trans) on the following pages																			

NOTE: Please refer to last page for table notes.

TABLE 5B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**cis-1,2-Dichloroethene**																	
Round Number	Sample Date	NH AGQS = 0.07 GW-2 = NA GZ-2L	GZ-3L	GZ-4L	GZ-8L	GZ-402L	GZ-405L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-701L	GZ-3B
Laboratory results for monitoring rounds prior to 2013 reported as Total 1,2-dichloroethenes on page 4																			
73	08/13	**1.8**	**0.7**	<0.001	<0.001	**0.02**	**0.06**	NT	**0.001**	<0.001	**21.5**	<0.001	**0.1**	NT	NT	**1.1**	**0.4**	NT	NT
74	11/13	**0.635**	<0.001	**0.0016**	<0.001	**0.0131**	**0.3**	NT	**0.0035**	**0.002**	**12.8**	<0.001	**0.163**	NT	NT	**0.713**	**0.0756**	NT	<0.001
75	06/14	**0.8**	**0.08**	**0.002**	<0.001	**0.01**	**1.5**	NT	<0.001	<0.001	**9.2**	<0.001	**0.09**	NT	NT	**1.2**	**0.4**	<0.001	NT
76	08/14	**0.6**	**0.03**	<0.001	<0.001	**0.01**	**0.9**	NT	<0.001	**0.05**	**12.6**	<0.001	**0.8**	NT	NT	**0.6**	**0.5**	NT	NT
77	11/14	**1**	**0.03**	**0.004**	<0.001	**0.01**	**9.5**	NT	**0.002**	**0.004**	**8.1**	<0.001	**2.2**	NT	NT	**0.4**	**1.2**	<0.001	<0.001
78	06/15	**0.9**	**0.06**	<0.001	<0.001	**0.01**	**2.4**	NT	<0.001	**0.02**	**6.7**	<0.001	**0.2**	NT	NT	**1.6**	**0.4**	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 5B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**trans-1,2-Dichloroethene**																	
Round Number	Sample Date	NH AGQS = 0.100 GW-2 = 0.560 GZ-2L	GZ-3L	GZ-4L	GZ-8L	GZ-402L	GZ-405L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-701L	GZ-3B
Laboratory results for monitoring rounds prior to 2013 reported as Total 1,2-dichloroethenes on page 4																			
73	08/13	**0.006**	**0.005**	<0.001	<0.001	<0.001	<0.001	NT	<0.001	<0.001	<0.1	<0.001	**0.002**	NT	NT	**0.004**	**0.002**	NT	NT
74	11/13	<0.01	**0.0018**	<0.001	<0.001	<0.001	**0.0033**	NT	<0.001	<0.001	<0.1	<0.001	**0.0032**	NT	NT	<0.1	<0.001	NT	<0.001
75	06/14	<0.001	**0.003**	<0.001	<0.001	<0.001	**0.02**	NT	<0.001	<0.001	<0.1	<0.001	**0.002**	NT	NT	**0.01**	**0.002**	<0.001	NT
76	08/14	**0.001**	**0.002**	<0.001	<0.001	<0.001	**0.02**	NT	<0.001	<0.001	<0.1	<0.001	**0.007**	NT	NT	**0.003**	**0.003**	NT	NT
77	11/14	**0.01**	**0.001**	<0.001	<0.001	<0.001	<0.1	NT	<0.001	<0.001	<0.1	<0.001	**0.01**	NT	NT	**0.002**	**0.004**	<0.001	<0.001
78	06/15	**0.002**	**0.002**	<0.001	<0.001	<0.001	<0.05	NT	<0.001	<0.001	<0.1	<0.001	**0.003**	NT	NT	**0.007**	<0.02	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 5B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**1,2-Dichloroethane**																	
Round Number	Sample Date	NH AGQS = 0.005 GZ-2L	GZ-3L	GZ-4L	GZ-8L	GW-2 = 0.050 GZ-402L	GZ-405L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-701L	GZ-3B
Start of Bioremediation Pilot Test																			
17	07/97	<0.4	<0.1	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
18	12/97	<0.4	<0.2	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
19	04/98	<0.4	<0.2	<0.1	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.25
20	07/98	<0.05	<0.075	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
21	11/98	<0.05	<0.05	<0.025	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.1
22	3,5/99	<0.04	<0.1	<0.01	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.025
23	07/99	<0.0025	<0.1	<0.025	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
24	12/99	<0.001	<0.025	<0.01	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01
Start of Full-Scale Bioremediation																			
25	06/00	<0.002	<0.25	<0.005	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.02
26	07/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
27	08/00	<0.025	<0.05	<0.005	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01
28	12/00	<0.001	<0.02	<0.005	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
29	01/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
30	06-07/01	<0.0025	<0.05	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
31	09-10/01	<0.0025	<0.020	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01
32	12/01	<0.001	<0.005	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.02
33	01/02	<0.001	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
34	02/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
35	06/02	<0.001	<0.01	<0.005	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
36	10/02	<0.002	<0.002	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
37	01/03	<0.005	<0.01	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
38	07/03	<0.02	<0.02	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
39	12/03	<0.005	<0.02	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
40	02/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
41	06/04	<0.005	<0.010	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
42	08/04	<0.002	<0.002	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
43	11/04	<0.01	<0.01	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
44	01/05	NT	NT	NT	NT	<0.002	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
45	06/05	<0.01	<0.01	<0.002	<0.002	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
46	08/05	<0.010	<0.010	<0.002	<0.002	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
47	11/05	<0.002	<0.005	<0.005	<0.001	<0.005	<0.01	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
48	12/05	NT	NT	NT	NT	NT	<0.025	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
49	05/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
50	06/06	<0.001	<0.0025	<0.001	<0.001	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
51	08/06	<0.01	<0.005	<0.001	<0.001	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
52	10/06	NT	NT	NT	NT	NT	<0.001	NT	<0.025	<0.001	<0.025	<0.001	NI	NI	NI	NI	NI	NI	NT
53	12/06	<0.0025	<0.01	<0.001	<0.001	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	<0.001
54	01/07	NT	NT	NT	NT	NT	<0.0025	NT	<0.001	<0.001	**0.066**	<0.001	NI	NI	NI	NI	NI	NI	NT
55	02/07	NT	NT	NT	NT	NT	<0.1	NT	<0.001	<0.001	<2.5	<0.001	NI	NI	NI	NI	NI	NI	NT
56	05/07	NT	NT	NT	NT	NT	<0.25	NT	<0.001	<0.001	<5	<0.005	NI	NI	NI	NI	NI	NI	NT
57	07/07	NT	NT	NT	NT	NT	<0.5	NT	<0.001	<0.0025	<10	<0.001	NI	NI	NI	NI	NI	NI	NT
58	08/07	<0.001	<0.005	<0.001	<0.001	NT	<0.25	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	<0.001
59	09/07	NT	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001	<0.001	<0.001	NI	NT
60	11/07	<0.001	<0.0025	<0.001	NT	NT	<0.25	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	<0.001
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
62	08/08	<0.001	<0.001	<0.001	<0.001	NT	<0.25	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	<0.001
63	11/08	<0.001	<0.010	<0.025	<0.001	<0.001	<0.25	NT	NT	NT	<25	NT	NT	NT	NT	NT	NT	NI	<0.001
64	09/09	<0.005	<0.005	<0.010	<0.001	NT	<0.005/<0.025	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
65	11/09	<0.010	<0.005	<0.010	<0.001	NT	<0.1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.005	<0.001
66	08/10	<0.002	<0.002	<0.005	<0.002	<0.005	<0.010	NT	NT	NT	<5.0	NT	<0.002	NT	NT	<0.010	<0.050	NT	<0.002
67	11/10	<0.002	<0.002	<0.005	<0.002	<0.005	<0.002	NT	NT	NT	<5.0	NT	<0.002	NT	NT	<0.020	<0.050	NT	NT
68	08/11	<0.005	<0.0025	<0.005	<0.001	<0.005	<0.010	<0.001	<0.001	<0.001	<5.0	NT	**0.0019**	<0.0025	<0.001	<0.025	<0.010	NT	NT
69	11-12/11	<0.001	<0.0025	<0.005	<0.001	<0.005	<0.050 / <0.100	NT	<0.001	<0.001	<5.0	<0.001	<0.001	NT	NT	<0.050	<0.010	NT	<0.001
70	06/12	<0.0025	<0.005	<0.01	<0.001	<0.01	<0.025	NT	<0.001	<0.001	<2	<0.001	<0.001	NT	NT	<0.05	<0.005	NT	NT
71	08/12	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NT	<0.001	<0.001	<0.1	<0.001	**0.0011**	NT	NT	<0.001	<0.001	NT	NT
72	11/12	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NT	<0.001	<0.001	<1	<0.001	**0.001**	NT	NT	<0.01	<0.001	NT	<0.001
73	08/13	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NT	<0.001	<0.001	<0.1	<0.001	<0.001	NT	NT	<0.001	<0.001	NT	NT
74	11/13	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	NT	<0.001	<0.001	<0.1	<0.001	<0.001	NT	NT	<0.1	<0.001	NT	<0.001
75	06/14	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NT	<0.001	<0.001	<0.1	<0.001	<0.001	NT	NT	<0.001	<0.001	<0.001	NT
76	08/14	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NT	<0.001	<0.001	<0.1	<0.001	<0.001	NT	NT	<0.001	<0.001	NT	NT
77	11/14	**0.001**	<0.001	<0.001	<0.001	<0.001	<0.1	NT	<0.001	<0.001	<0.1	<0.001	<0.001	NT	NT	<0.001	<0.001	<0.001	<0.001
78	06/15	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	NT	<0.001	<0.001	<0.1	<0.001	<0.001	NT	NT	<0.001	<0.02	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 5B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**1,1-Dichloroethene**																	
Round Number	Sample Date	NH AGQS = 0.007 GZ-2L	GZ-3L	GZ-4L	GZ-8L	GZ-402L	GZ-405L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-701L	GW-2 = 0.630 GZ-3B
Start of Bioremediation Pilot Test																			
17	07/97	<0.4	<0.1	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
18	12/97	<0.4	<0.2	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
19	04/98	<0.4	<0.2	<0.1	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.25
20	07/98	<0.05	<0.075	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
21	11/98	<0.05	<0.05	<0.025	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.1
22	3,5/99	<0.04	<0.1	<0.01	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.025
23	07/99	<0.0025	<0.1	<0.025	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
24	12/99	<0.001	**0.032**	<0.01	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01
Start of Full-Scale Bioremediation																			
25	06/00	**0.019**	<0.25	<0.005	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.02
26	07/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
27	08/00	**0.039**	<0.05	<0.005	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.025**
28	12/00	<0.01	<0.02	<0.005	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
29	01/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
30	06-07/01	<0.0025	<0.05	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
31	09-10/01	<0.0025	<0.020	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01
32	12/01	<0.001	<0.005	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.02
33	01/02	<0.001	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
34	02/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
35	06/02	<0.001	<0.01	<0.005	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
36	10/02	**0.003**	**0.016**	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
37	01/03	<0.005	<0.01	<0.002	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
38	07/03	<0.02	<0.02	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
39	12/03	<0.005	<0.02	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.005
40	02/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
41	06/04	<0.005	<0.010	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
42	08/04	<0.001	<0.001	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
43	11/04	<0.01	<0.01	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
44	01/05	NT	NT	NT	NT	<0.001	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
45	06/05	<0.01	<0.01	<0.001	<0.001	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
46	08/05	<0.010	<0.010	<0.001	<0.001	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
47	11/05	<0.002	<0.005	<0.005	<0.001	<0.005	<0.010	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
48	12/05	NT	NT	NT	NT	NT	<0.025	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
49	05/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
50	06/06	**0.0038**	<0.0025	<0.001	<0.001	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
51	08/06	<0.01	<0.005	<0.001	<0.001	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
52	10/06	NT	NT	NT	NT	NT	<0.001	NT	<0.025	<0.001	<0.025	<0.001	NI	NI	NI	NI	NI	NI	NT
53	12/06	<0.0025	<0.01	<0.001	<0.001	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	<0.001
54	01/07	NT	NT	NT	NT	NT	**0.0051**	NT	<0.001	<0.001	**0.059**	<0.001	NI	NI	NI	NI	NI	NI	NT
55	02/07	NT	NT	NT	NT	NT	<0.1	NT	<0.001	<0.001	<2.5	<0.001	NI	NI	NI	NI	NI	NI	NT
56	05/07	NT	NT	NT	NT	NT	<0.25	NT	<0.001	<0.001	<5	<0.005	NI	NI	NI	NI	NI	NI	NT
57	07/07	NT	NT	NT	NT	NT	<0.5	NT	<0.001	<0.0025	<1	<0.001	NI	NI	NI	NI	NI	NI	NT
58	08/07	<0.001	<0.005	<0.001	<0.001	NT	<0.25	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	<0.001
59	09/07	NT	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	**0.0021**	<0.001	**0.007**	**0.0061**	**0.0074**	NI	NT
60	11/07	<0.001	<0.0025	<0.001	NT	NT	<0.25	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	<0.001
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
62	08/08	<0.001	<0.001	<0.001	<0.001	NT	<0.25	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	<0.001
63	11/08	<0.001	<0.010	<0.025	<0.001	<0.001	<0.25	NT	NT	NT	<25	NT	NT	NT	NT	NT	NT	NI	<0.001
64	09/09	<0.005	<0.005	<0.010	<0.001	NT	<0.005/<0.025	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
65	11/09	<0.010	<0.005	<0.010	<0.001	NT	<0.10	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.005	<0.001
66	08/10	<0.001	<0.001	<0.005	<0.001	<0.005	<0.010	NT	NT	NT	<5.0	NT	<0.001	NT	NT	<0.010	<0.050	NT	<0.001
67	11/10	<0.001	<0.001	<0.005	<0.001	<0.005	<0.002	NT	NT	NT	<5.0	NT	<0.001	NT	NT	**0.020**	<0.050	NT	NT
68	08/11	<0.005	<0.0025	<0.005	<0.001	<0.005	<0.010	<0.001	<0.001	<0.001	<5.0	NT	<0.001	<0.0025	<0.001	<0.025	**0.013**	NT	NT
69	11-12/11	**0.0043**	<0.0025	<0.005	<0.001	<0.005	<0.050 / <0.100	NT	<0.001	<0.001	<5.0	<0.001	<0.001	NT	NT	<0.050	<0.010	NT	<0.001
70	06/12	<0.0025	<.0005	<0.01	<0.001	<0.01	<0.025	NT	<0.001	<0.001	<2	<0.001	<0.001	NT	NT	<0.05	<0.005	NT	NT
71	08/12	<0.001	0.0011	<0.001	<0.001	<0.001	**0.0044**	NT	<0.001	<0.001	**0.322**	<0.001	**0.0016**	NT	NT	**0.0197**	**0.0016**	NT	NT
72	11/12	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NT	<0.001	<0.001	<1	<0.001	**0.0012**	NT	NT	<0.01	**0.0045**	NT	<0.001
73	08/13	**0.008**	<0.001	<0.001	<0.001	<0.001	<0.001	NT	<0.001	<0.001	**0.1**	<0.001	<0.001	NT	NT	**0.007**	**0.002**	NT	NT
74	11/13	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	NT	<0.001	<0.001	**0.106**	<0.001	**0.0011**	NT	NT	<0.1	<0.001	NT	<0.001
75	06/14	**0.004**	<0.001	<0.001	<0.001	<0.001	**0.002**	NT	<0.001	<0.001	<0.1	<0.001	**0.001**	NT	NT	**0.01**	**0.003**	<0.001	NT
76	08/14	**0.002**	<0.001	<0.001	<0.001	<0.001	**0.002**	NT	<0.001	<0.001	<0.1	<0.001	**0.004**	NT	NT	**0.006**	**0.009**	NT	NT
77	11/14	**0.002**	<0.001	<0.001	<0.001	<0.001	<0.1	NT	<0.001	<0.001	<0.1	<0.001	**0.008**	NT	NT	**0.004**	**0.006**	<0.001	<0.001
78	06/15	**0.005**	<0.001	<0.001	<0.001	<0.001	<0.5	NT	<0.001	<0.001	**0.1**	<0.001	**0.002**	NT	NT	**0.02**	<0.02	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 5B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**1,1-Dichloroethane**																	
Round Number	Sample Date	NH AGQS = 0.081 GW-2 = 0.130 GZ-2L	GZ-3L	GZ-4L	GZ-8L	GZ-402L	GZ-405L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-701L	GZ-3B
Start of Bioremediation Pilot Test																			
17	07/97	**0.58**	<0.1	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.082**
18	12/97	**0.56**	<0.2	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.072**
19	04/98	<0.4	<0.2	<0.1	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.25
20	07/98	**0.055**	**0.092**	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
21	11/98	**0.24**	**0.13**	<0.025	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.1
22	3,5/99	**0.067**	**0.28**	**0.031**	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.073**
23	07/99	**0.042**	<0.1	<0.025	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.11**
24	12/99	**0.07**	**0.3**	<0.01	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.017**
Start of Full-Scale Bioremediation																			
25	06/00	**0.056**	**0.45**	**0.012**	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.02
26	07/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
27	08/00	**0.2**	**0.066**	**0.011**	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0690**
28	12/00	**0.017**	**0.19**	**0.0061**	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
29	01/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
30	06-07/01	**0.0059**	**0.071**	**0.013**	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
31	09-10/01	**0.063**	<0.02	**0.0023**	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.031**
32	12/01	**0.032**	**0.033**	**0.0036**	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.02
33	01/02	**0.029**	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
34	02/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
35	06/02	**0.0056**	**0.033**	<0.005	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.011
36	10/02	**0.037**	**0.1**	**0.007**	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
37	01/03	**0.017**	**0.08**	**0.008**	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
38	07/03	**0.06**	**0.08**	**0.008**	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
39	12/03	**0.037**	**0.35**	**0.008**	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
40	02/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
41	06/04	<0.005	**0.080**	**0.007**	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
42	08/04	**0.005**	**0.021**	**0.007**	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
43	11/04	<0.01	**0.050**	**0.008**	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
44	01/05	NT	NT	NT	NT	<0.002	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
45	06/05	<0.01	**0.11**	**0.008**	<0.002	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
46	08/05	<0.01	**0.02**	**0.007**	<0.002	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.017**
47	11/05	<0.002	**0.03**	**0.0052**	<0.001	<0.005	<0.01	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0078**
48	12/05	NT	NT	NT	NT	NT	<0.025	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
49	05/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
50	06/06	**0.015**	**0.026**	**0.0039**	<0.001	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
51	08/06	**0.15**	**0.046**	**0.0034**	<0.001	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
52	10/06	NT	NT	NT	NT	NT	<0.001	NT	<0.025	<0.001	<0.025	<0.001	NI	NI	NI	NI	NI	NI	NT
53	12/06	<0.0025	**0.06**	**0.0045**	<0.001	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	**0.0065**
54	01/07	NT	NT	NT	NT	NT	<0.0025	NT	<0.001	<0.001	**0.056**	<0.001	NI	NI	NI	NI	NI	NI	NT
55	02/07	NT	NT	NT	NT	NT	<0.1	NT	<0.001	<0.001	<2.5	<0.001	NI	NI	NI	NI	NI	NI	NT
56	05/07	NT	NT	NT	NT	NT	<0.25	NT	<0.001	<0.001	<5	<0.005	NI	NI	NI	NI	NI	NI	NT
57	07/07	NT	NT	NT	NT	NT	<0.5	NT	**0.0013**	**0.0046**	<10	<0.001	NI	NI	NI	NI	NI	NI	NT
58	08/07	**0.051**	**0.14**	**0.0034**	<0.001	NT	<0.25	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	0.012
59	09/07	NT	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	**0.002**	<0.001	**0.036**	**0.0046**	**0.038**	NI	NT
60	11/07	**0.012**	**0.012**	**0.0037**	NT	NT	<0.25	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	**0.0084**
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
62	08/08	**0.037**	**0.028**	**0.0026**	<0.001	NT	<0.25	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	**0.003**
63	11/08	**0.0035**	**0.08**	<0.025	<0.001	<0.001	<0.25	NT	NT	NT	<25	NT	NT	NT	NT	NT	NT	NI	**0.0059**
64	09/09	**0.17**	**0.073**	<0.01	<0.001	NT	**0.0054**/<0.025	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
65	11/09	<0.01	**0.14**	<0.01	<0.001	NT	<0.1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.005	**0.0028**
66	08/10	**0.054**	**0.019**	<0.005	<0.002	<0.005	**0.020**	NT	NT	NT	<5.0	NT	<0.002	NT	NT	<0.010	<0.050	NT	**0.005**
67	11/10	**0.034**	**0.039**	<0.005	<0.002	<0.005	**0.010**	NT	NT	NT	<5.0	NT	**0.005**	NT	NT	<0.020	<0.050	NT	NT
68	08/11	**0.039**	**0.027**	<0.005	<0.001	<0.005	**0.087**	<0.001	<0.001	**0.0012**	<5.0	NT	**0.014**	**0.0033**	<0.001	<0.025	<0.010	NT	NT
69	11-12/11	<0.001	**0.051**	<0.005	<0.001	<0.005	**0.150 / 0.110**	NT	<0.001	<0.001	<5.0	<0.001	**0.007**	NT	NT	<0.050	<0.010	NT	**0.0037**
70	06/12	**0.0266**	**0.0269**	<0.01	<0.001	<0.01	**0.240**	NT	<0.001	**0.0033**	<2	<0.001	**0.0135**	NT	NT	<0.05	<0.005	NT	NT
71	08/12	**0.0136**	**0.0144**	**0.0016**	<0.001	<0.001	**0.086**	NT	<0.001	**0.0061**	<0.1	<0.001	**0.0161**	NT	NT	**0.0051**	**0.0043**	NT	NT
72	11/12	**0.0126**	**0.0119**	**0.002**	<0.001	<0.001	**0.0181**	NT	<0.001	**0.001**	<1	<0.001	**0.0346**	NT	NT	<0.01	**0.0088**	NT	**0.0032**
73	08/13	**0.08**	**0.02**	**0.002**	<0.001	<0.001	**0.007**	NT	<0.001	<0.001	<0.1	<0.001	**0.02**	NT	NT	**0.003**	**0.003**	NT	NT
74	11/13	**0.0363**	**0.0101**	**0.002**	<0.001	<0.001	**0.0244**	NT	<0.001	<0.001	<0.1	<0.001	**0.0266**	NT	NT	<0.1	**0.0027**	NT	**0.0031**
75	06/14	**0.05**	**0.02**	**0.002**	<0.001	<0.001	**0.2**	NT	<0.001	<0.001	<0.1	<0.001	**0.01**	NT	NT	**0.004**	**0.003**	<0.001	NT
76	08/14	**0.03**	**0.009**	**0.001**	<0.001	<0.001	**0.2**	NT	<0.001	**0.005**	<0.1	<0.001	**0.04**	NT	NT	**0.003**	**0.003**	NT	NT
77	11/14	**0.1**	**0.01**	**0.002**	<0.001	<0.001	**0.3**	NT	<0.001	<0.001	<0.1	<0.001	**0.05**	NT	NT	**0.002**	**0.005**	<0.001	**0.003**
78	06/15	**0.07**	**0.01**	**0.002**	<0.001	<0.001	**0.1**	NT	<0.001	<0.001	<0.1	<0.001	**0.01**	NT	NT	**0.01**	<0.02	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 5B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Vinyl Chloride**																	
Round Number	Sample Date	NH AGQS = 0.002 GZ-2L	GZ-3L	GW-2 = 0.004 GZ-4L	GZ-8L	GZ-402L	GZ-405L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-701L	GZ-3B
Start of Bioremediation Pilot Test																			
17	07/97	**3.9**	**1.5**	**0.066**	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.25**
18	12/97	**10**	**2.2**	**0.098**	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.29**
19	04/98	**0.88**	**5**	<0.1	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.25
20	07/98	**2.7**	**9.2**	**0.15**	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
21	11/98	**6.8**	**4.7**	<0.025	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.17**
22	3,5/99	**0.18**	**5.6**	**0.055**	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.25**
23	07/99	**0.048**	**1.4**	**0.097**	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.41**
24	12/99	**0.016**	**12**	**0.15**	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.065**
Start of Full-Scale Bioremediation																			
25	06/00	**0.091**	**9.9**	**0.079**	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.02
26	07/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
27	08/00	**3.5**	<0.05	**0.12**	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.44**
28	12/00	<0.01	**2.9**	**0.065**	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.5
29	01/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
30	06-07/01	**0.067**	**7.5**	**0.048**	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
31	09-10/01	**0.84**	**0.047**	**0.011**	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.11**
32	12/01	**0.11**	**0.3**	**0.0036**	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.031**
33	01/02	**0.19**	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
34	02/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
35	06/02	**0.031**	**0.81**	**0.012**	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.098**
36	10/02	**1.9**	**2**	**0.003**	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
37	01/03	**0.6**	**2.9**	**0.07**	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
38	07/03	**2.6**	**3.1**	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
39	12/03	**0.82**	**15**	**0.006**	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.011**
40	02/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
41	06/04	**0.02**	**2.4**	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
42	08/04	**0.01**	**0.68**	**0.004**	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
43	11/04	<0.02	**1.6**	**0.002**	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
44	01/05	NT	NT	NT	NT	**0.018**	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
45	06/05	<0.02	**1**	**0.02**	<0.002	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
46	08/05	<0.02	**0.41**	<0.002	<0.002	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
47	11/05	**0.0053**	**0.14**	**0.055**	<0.001	**0.012**	<0.01	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
48	12/05	NT	NT	NT	NT	NT	<0.025	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
49	05/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
50	06/06	**0.2**	**0.31**	**0.027**	<0.001	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
51	08/06	**2.2**	**0.5**	**0.0081**	<0.001	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
52	10/06	NT	NT	NT	NT	NT	<0.001	NT	<0.025	<0.001	<0.025	<0.001	NI	NI	NI	NI	NI	NI	NT
53	12/06	**0.0088**	**0.46**	**0.008**	<0.001	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	**0.0016**
54	01/07	NT	NT	NT	NT	NT	<0.0025	NT	<0.001	<0.001	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NT
55	02/07	NT	NT	NT	NT	NT	<0.1	NT	<0.001	<0.001	<2.5	<0.001	NI	NI	NI	NI	NI	NI	NT
56	05/07	NT	NT	NT	NT	NT	<0.25	NT	<0.001	<0.001	<5	<0.005	NI	NI	NI	NI	NI	NI	NT
57	07/07	NT	NT	NT	NT	NT	<0.5	NT	<0.001	<0.0025	<10	<0.001	NI	NI	NI	NI	NI	NI	NT
58	08/07	**0.022**	**0.14**	<0.001	<0.001	NT	<0.25	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	<0.001
59	09/07	NT	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	**0.0016**	<0.001	<0.001	NI	NT
60	11/07	**0.0061**	**0.075**	**0.0016**	NT	NT	<0.25	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	<0.001
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
62	08/08	**0.053**	**0.038**	**0.010**	<0.001	NT	<0.25	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	<0.001
63	11/08	**0.003**	**0.22**	<0.025	<0.001	**0.0047**	<0.25	NT	NT	NT	<25	NT	NT	NT	NT	NT	NT	NI	<0.001
64	09/09	**1.2**	**0.4**	<0.01	<0.001	NT	<0.005/<0.025	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
65	11/09	**0.033**	**2**	<0.01	<0.001	NT	<0.1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.005	<0.001
66	08/10	**0.220**	**0.062**	<0.010	<0.002	<0.010	<0.020	NT	NT	NT	<10	NT	**0.002**	NT	NT	<0.020	<0.100	NT	<0.002
67	11/10	**0.019**	**0.004**	**0.010**	<0.002	<0.010	**0.009**	NT	NT	NT	<10	NT	**0.002**	NT	NT	<0.040	<0.100	NT	NT
68	08/11	**0.550**	**0.260**	<0.005	<0.001	<0.005	**0.078**	<0.001	<0.001	**0.0059**	<5.0	NT	**0.0066**	**0.031**	**0.0014**	**0.026**	**0.031**	NT	NT
69	11-12/11	**0.058**	**0.170**	**0.042**	<0.001	**0.005**	**0.079** / <0.100	NT	<0.001	<0.001	<5.0	<0.001	**0.061**	NT	NT	<0.050	**0.021**	NT	<0.001
70	06/12	**0.200**	**0.112**	<0.01	<0.001	<0.01	**1.32**	NT	<0.001	**0.0265**	<2	<0.001	**0.0424**	NT	NT	<0.05	**0.0105**	NT	NT
71	08/12	**0.0758**	**0.208**	<0.001	<0.001	**0.0015**	**0.312**	NT	<0.001	**0.0732**	**0.116**	<0.001	**0.0368**	NT	NT	**0.0184**	**0.0404**	NT	NT
72	11/12	**0.0318**	**0.0051**	**0.0114**	<0.001	**0.0012**	**0.0434**	NT	<0.001	<0.001	<1	<0.001	**0.646**	NT	NT	**0.0225**	**0.0487**	NT	<0.001
73	08/13	**1.3**	**0.4**	<0.001	<0.001	**0.002**	**0.04**	NT	<0.001	<0.001	**0.2**	<0.001	**0.06**	NT	NT	**0.01**	**0.03**	NT	NT
74	11/13	**0.467**	**0.0035**	**0.0026**	<0.001	**0.002**	**0.136**	NT	<0.001	<0.001	**0.152**	<0.001	**0.119**	NT	NT	<0.1	**0.0232**	NT	<0.001
75	06/14	**0.4**	**0.2**	**0.003**	<0.001	**0.002**	**0.8**	NT	<0.001	<0.001	**0.1**	<0.001	**0.07**	NT	NT	**0.007**	**0.02**	<0.001	NT
76	08/14	**0.4**	**0.06**	<0.001	<0.001	**0.001**	**0.4**	NT	<0.001	**0.02**	**0.2**	<0.001	**1.0**	NT	NT	**0.007**	**0.04**	NT	NT
77	11/14	**1.1**	**0.03**	**0.004**	<0.001	<0.001	**0.8**	NT	<0.001	<0.001	**0.1**	<0.001	**1.3**	NT	NT	**0.02**	**0.03**	<0.001	<0.001
78	06/15	**0.9**	**0.08**	<0.001	<0.001	**0.002**	<0.05	NT	<0.001	<0.001	**0.1**	<0.001	**0.3**	NT	NT	<0.001	**0.03**	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 5B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Methylene Chloride (Dichloromethane)**																	
Round Number	Sample Date	NH AGQS = 0.005 GZ-2L	GZ-3L	GZ-4L	GZ-8L	GZ-402L	GZ-405L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-701L	GZ-3B GW-2 = 24.0
Start of Bioremediation Pilot Test																			
17	07/97	<0.4	<0.1	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
18	12/97	<0.4	<0.2	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
19	04/98	<0.4	<0.2	<0.1	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.25
20	07/98	<0.05	<0.075	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
21	11/98	<0.05	<0.05	<0.025	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.1
22	3,5/99	<0.04	<0.1	<0.01	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.025
23	07/99	<0.0025	<0.2	<0.025	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
24	12/99	<0.001	<0.025	<0.01	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01
Start of Full-Scale Bioremediation																			
25	06/00	<0.002	<0.25	<0.005	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.02
26	07/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
27	08/00	**0.0250**	**0.0500**	<0.005	**0.0010**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0100**
28	12/00	<0.01	<0.2	<0.05	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.5
29	01/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
30	06-07/01	<0.0025	<0.05	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
31	09-10/01	<0.0025	<0.020	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01
32	12/01	<0.001	<0.005	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.02
33	01/02	<0.003	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
34	02/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
35	06/02	<0.001	<0.01	<0.005	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
36	10/02	<0.005	<0.005	<0.005	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.005
37	01/03	<0.03	<0.05	<0.01	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.005
38	07/03	<0.1	<0.1	<0.005	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.005
39	12/03	<0.03	<0.1	<0.005	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.005
40	02/04	NT	NT	<0.005	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
41	06/04	<0.03	<0.050	<0.005	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
42	08/04	<0.005	<0.005	<0.005	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
43	11/04	<0.05	<0.05	<0.005	<.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
44	01/05	NT	NT	NT	NT	<0.005	<0.005	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
45	06/05	<0.05	<0.05	<0.005	<0.005	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
46	08/05	<0.050	<0.050	<0.005	<0.005	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.005
47	11/05	<0.002	<0.005	<0.005	<0.001	<0.005	<0.01	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
48	12/05	NT	NT	NT	NT	NT	<0.025	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
49	05/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
50	06/06	<0.001	<0.0025	<0.001	<0.001	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
51	08/06	**0.015**	**0.0056**	<0.001	<0.001	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
52	10/06	NT	NT	NT	NT	NT	<0.001	NT	<0.025	<0.001	<0.025	<0.001	NI	NI	NI	NI	NI	NI	NT
53	12/06	<0.0025	<0.01	<0.001	<0.001	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	<0.001
54	01/07	NT	NT	NT	NT	NT	<0.0025	NT	<0.001	<0.001	**0.063**	<0.001	NI	NI	NI	NI	NI	NI	NT
55	02/07	NT	NT	NT	NT	NT	<0.1	NT	<0.001	<0.001	<2.5	<0.001	NI	NI	NI	NI	NI	NI	NT
56	05/07	NT	NT	NT	NT	NT	<0.25	NT	<0.001	<0.001	<5	<0.005	NI	NI	NI	NI	NI	NI	NT
57	07/07	NT	NT	NT	NT	NT	<0.5	NT	<0.001	<0.0025	<10	<0.001	NI	NI	NI	NI	NI	NI	NT
58	08/07	<0.001	<0.005	<0.001	<0.001	NT	<0.25	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	<0.001
59	09/07	NT	NT	NT	<0.002	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001	<0.001	<0.001	NI	NT
60	11/07	<0.002	<0.005	<0.002	NT	NT	<0.5	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	<0.002
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
62	08/08	<0.002	<0.002	<0.002	<0.002	NT	<0.5	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	<0.002
63	11/08	<0.002	<0.020	<0.050	<0.002	<0.002	<0.5	NT	NT	NT	<50	NT	NT	NT	NT	NT	NT	NI	<0.002
64	09/09	<0.010	<0.010	<0.010	<0.002	NT	<0.010/<0.05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
65	11/09	<0.020	<0.010	**0.022**	<0.002	NT	<0.2	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.010	<0.002
66	08/10	<0.005	<0.005	<0.030	<0.005	<0.030	<0.050	NT	NT	NT	<30	NT	<0.005	NT	NT	<0.050	<0.300	NT	<0.005
67	11/10	<0.005	<0.005	<0.030	<0.005	<0.030	<0.010	NT	NT	NT	<30	NT	<0.005	NT	NT	<0.100	<0.300	NT	NT
68	08/11	<0.010	<0.005	<0.010	<0.002	<0.010	<0.020	<0.002	<0.002	<0.002	<10	NT	<0.002	<0.005	<0.002	<0.050	<0.020	NT	NT
69	11-12/11	<0.002	<0.005	<0.010	<0.002	<0.010	<0.100 / <0.200	NT	<0.002	<0.002	<10	<0.002	<0.002	NT	NT	<0.100	<0.020	NT	<0.002
70	06/12	<0.005	<0.01	<0.02	<0.002	<0.02	<0.05	NT	<0.002	<0.002	<4	<0.002	<0.002	NT	NT	<0.1	<0.01	NT	NT
71	08/12	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	NT	<0.004	<0.004	<0.4	<0.004	<0.004	NT	NT	<0.004	<0.004	NT	NT
72	11/12	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	NT	<0.004	<0.004	<4	<0.004	<0.004	NT	NT	<0.04	<0.004	NT	<0.004
73	08/13	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	NT	<0.004	<0.004	<0.4	<0.004	<0.004	NT	NT	<0.004	<0.004	NT	NT
74	11/13	<0.04	<0.004	<0.004	<0.004	<0.004	<0.004	NT	<0.004	<0.004	<0.4	<0.004	<0.004	NT	NT	<0.4	<0.004	NT	<0.004
75	06/14	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	NT	<0.004	<0.004	<0.4	<0.004	<0.004	NT	NT	<0.004	<0.004	<0.004	NT
76	08/14	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	NT	<0.004	<0.004	<0.4	<0.004	<0.004	NT	NT	<0.004	<0.004	NT	NT
77	11/14	<0.004	<0.004	<0.004	<0.004	<0.004	<0.4	NT	<0.004	<0.004	<0.4	<0.004	<0.004	NT	NT	<0.004	<0.004	<0.004	<0.004
78	06/15	<0.004	<0.004	<0.004	<0.004	<0.004	<0.2	NT	<0.004	<0.004	<0.4	<0.004	<0.004	NT	NT	<0.004	<0.08	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 5B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Chloroform (Trichloromethane)**																	
Round Number	Sample Date	NH AGQS = 0.070 GZ-2L	GW-2 = 0.070 GZ-3L	GZ-4L	GZ-8L	GZ-402L	GZ-405L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-701L	GZ-3B
Start of Bioremediation Pilot Test																			
17	07/97	<0.04	<0.1	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
18	12/97	<0.4	<0.2	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
19	04/98	<0.4	<0.2	<0.1	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.25
20	07/98	<0.05	<0.075	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
21	11/98	<0.05	<0.05	<0.025	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.1
22	3,5/99	<0.04	<0.1	<0.01	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.025
23	07/99	<0.0025	<0.1	<0.025	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
24	12/99	<0.001	<0.025	<0.01	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01
Start of Full-Scale Bioremediation																			
25	06/00	<0.002	<0.25	<0.005	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.02
26	07/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
27	08/00	<0.05	<0.1	<0.01	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.02
28	12/00	<0.001	<0.02	<0.005	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
29	01/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
30	06-07/01	<0.0025	<0.05	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
31	09-10/01	<0.0025	<0.02	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01
32	12/01	<0.001	<0.005	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.02
33	01/02	<0.001	<0.001	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
34	02/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
35	06/02	<0.001	<0.001	<0.005	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01
36	10/02	<0.002	<0.002	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
37	01/03	<0.005	<0.01	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
38	07/03	<0.02	<0.02	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
39	12/03	<0.005	<0.02	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
40	02/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
41	06/04	<0.005	<0.01	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
42	08/04	<0.002	<0.002	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
43	11/04	<0.01	<0.01	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
44	01/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
45	06/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
46	08/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
47	11/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
48	12/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
49	05/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
50	06/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
51	08/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
52	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
53	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
55	02/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
56	05/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
57	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
58	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
60	11/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
62	08/08	<0.001	<0.001	<0.001	<0.001	NT	<0.25	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	<0.001
63	11/08	<0.001	<0.01	<0.025	<0.001	<0.001	<0.25	NT	NT	NT	<25	NT	NT	NT	NT	NT	NT	NI	<0.001
64	09/09	<0.005	<0.005	<0.01	<0.001	NT	<0.005/<0.025	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
65	11/09	<0.01	<0.005	<0.01	<0.001	NT	<0.1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.005	<0.001
66	08/10	<0.002	<0.002	<0.005	<0.002	<0.005	<0.010	NT	NT	NT	<5.0	NT	<0.002	NT	NT	<0.010	<0.050	NT	<0.002
67	11/10	<0.002	<0.002	<0.005	<0.002	<0.005	<0.002	NT	NT	NT	<5.0	NT	<0.002	NT	NT	<0.020	<0.050	NT	NT
68	08/11	<0.005	<0.0025	<0.005	<0.001	<0.005	<0.010	<0.001	<0.001	<0.001	<5.0	NT	<0.001	<0.0025	<0.001	<0.025	<0.010	NT	NT
69	11-12/11	<0.001	<0.0025	<0.005	<0.001	<0.005	<0.050 / <0.100	NT	<0.001	<0.001	<5.0	<0.001	<0.001	NT	NT	<0.050	<0.010	NT	<0.001
70	06/12	<0.0025	<0.005	<0.01	<0.001	<0.01	<0.025	NT	<0.001	<0.001	<2	<0.001	<0.001	NT	NT	<0.05	<0.005	NT	NT
71	08/12	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NT	<0.001	<0.001	<0.1	<0.001	<0.001	NT	NT	<0.001	<0.001	NT	NT
72	11/12	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NT	<0.001	<0.001	<1	<0.001	<0.001	NT	NT	<0.01	<0.001	NT	<0.001
73	08/13	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NT	<0.001	<0.001	<0.1	<0.001	<0.001	NT	NT	<0.001	<0.001	NT	NT
74	11/13	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	NT	<0.001	<0.001	<0.1	<0.001	<0.001	NT	NT	<0.1	<0.001	NT	<0.001
75	06/14	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NT	<0.001	<0.001	<0.1	<0.001	<0.001	NT	NT	<0.001	<0.001	<0.001	NT
76	08/14	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NT	<0.001	<0.001	<0.1	<0.001	<0.001	NT	NT	<0.001	<0.001	NT	NT
77	11/14	<0.001	<0.001	<0.001	<0.001	<0.001	<0.1	NT	<0.001	<0.001	<0.1	<0.001	<0.001	NT	NT	<0.001	<0.001	<0.001	<0.001
78	06/15	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05	NT	<0.001	<0.001	<0.1	<0.001	<0.001	NT	NT	<0.001	<0.02	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 5B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Chloroethane**																	
Round Number	Sample Date	NH AGQS/GW-2 = NA GZ-2L	GZ-3L	GZ-4L	GZ-8L	GZ-402L	GZ-405L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-701L	GZ-3B
Start of Bioremediation Pilot Test																			
17	07/97	<0.4	<0.1	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
18	12/97	<0.4	<0.2	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
19	04/98	<0.4	<0.2	<0.1	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.25
20	07/98	<0.05	<0.075	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
21	11/98	<0.05	<0.05	<0.025	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.1
22	3,5/99	<0.04	<0.1	<0.01	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.025
23	07/99	**0.0025**	<0.1	**0.03**	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
24	12/99	**0.0041**	<0.025	**0.065**	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01
Start of Full-Scale Bioremediation																			
25	06/00	<0.002	<0.25	<0.005	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.02
26	07/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
27	08/00	<0.025	<0.05	<0.005	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01
28	12/00	<0.01	<0.2	<0.05	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.5
29	01/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
30	06-07/01	<0.0025	**0.094**	**0.0034**	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
31	09-10/01	**0.0083**	<0.02	**0.0033**	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01
32	12/01	**0.015**	<0.005	**0.0021**	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.02**
33	01/02	**0.044**	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
34	02/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
35	06/02	**0.071**	<0.01	<0.005	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
36	10/02	**0.07**	**0.017**	**0.006**	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.016**
37	01/03	**0.04**	<0.05	<0.01	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.015**
38	07/03	<0.1	<0.01	<0.002	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.015**
39	12/03	**0.05**	<0.1	<0.005		NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.006**
40	02/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
41	06/04	<0.03	<0.05	<0.005	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
42	08/04	**0.05**	<0.002	<0.005	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
43	11/04	<0.05	<0.05	<0.005	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
44	01/05	NT	NT	NT	NT	<0.005	<0.005	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
45	06/05	<0.05	<0.05	<0.005	<0.005	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
46	08/05	<0.05	<0.05	**0.007**	<0.005	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.014**
47	11/05	<0.002	**0.024**	<0.005	<0.001	<0.005	<0.01	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0038**
48	12/05	NT	NT	NT	NT	NT	<0.025	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
49	05/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
50	06/06	**0.0048**	**0.024**	<0.001	<0.001	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
51	08/06	**0.14**	**0.027**	<0.001	<0.001	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
52	10/06	NT	NT	NT	NT	NT	<0.001	NT	<0.025	<0.001	<0.025	<0.001	NI	NI	NI	NI	NI	NI	NT
53	12/06	<0.0025	**0.094**	<0.001	<0.001	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	**0.001**
54	01/07	NT	NT	NT	NT	NT	<0.0025	NT	<0.001	<0.001	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NT
55	02/07	NT	NT	NT	NT	NT	<0.1	NT	<0.001	<0.001	<2.5	<0.001	NI	NI	NI	NI	NI	NI	NT
56	05/07	NT	NT	NT	NT	NT	<0.25	NT	<0.001	<0.001	<5	<0.005	NI	NI	NI	NI	NI	NI	NT
57	07/07	NT	NT	NT	NT	NT	<0.5	NT	<0.001	<0.0025	<10	<0.001	NI	NI	NI	NI	NI	NI	NT
58	08/07	**0.049**	**0.01**	<0.001	<0.001	NT	<0.25	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	**0.0027**
59	09/07	NT	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001	<0.001	<0.001	NI	NT
60	11/07	**0.026**	<0.0025	<0.001	NT	NT	<0.25	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	<0.001
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
62	08/08	**0.05**	**0.045**	<0.001	<0.001	NT	<0.25	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	<0.001
63	11/08	**0.0042**	**0.11**	<0.025	<0.001	<0.001	<0.25	NT	NT	NT	<25	NT	NT	NT	NT	NT	NT	NI	<0.001
64	09/09	**0.44**	**0.032**	<0.01	<0.001	NT	<0.005/<0.025	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
65	11/09	**0.034**	**0.094**	<0.01	<0.001	NT	<0.1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.005	**0.0016**
66	08/10	**0.110**	<0.005	<0.030	<0.005	<0.030	<0.050	NT	NT	NT	<30	NT	**0.015**	NT	NT	<0.050	<0.300	NT	**0.006**
67	11/10	**0.071**	**0.009**	<0.030	<0.005	<0.030	<0.010	NT	NT	NT	<30	NT	**0.023**	NT	NT	<0.100	<0.300	NT	NT
68	08/11	**0.041**	<0.0025	<0.005	<0.001	<0.005	<0.010	<0.001	<0.001	<0.001	<5.0	NT	**0.027**	**0.0042**	<0.001	<0.025	<0.010	NT	NT
69	11-12/11	**0.002**	**0.024**	<0.005	<0.001	<0.005	<0.050 / <0.100	NT	<0.001	<0.001	<5.0	<0.001	**0.003**	NT	NT	<0.050	<0.010	NT	**0.002**
70	06/12	**0.0138**	**0.0127**	<0.01	<0.001	<0.01	<0.025	NT	<0.001	<0.001	<2	<0.001	**0.0105**	NT	NT	<0.05	<0.005	NT	NT
71	08/12	**0.0104**	**0.0042**	<0.002	<0.002	<0.002	<0.002	NT	<0.002	<0.002	<0.2	<0.002	**0.0126**	NT	NT	<0.002	<0.002	NT	NT
72	11/12	**0.014**	<0.002	<0.002	<0.002	<0.002	<0.002	NT	<0.002	<0.002	<2	<0.002	**0.0086**	NT	NT	<0.02	<0.002	NT	<0.002
73	08/13	**0.03**	**0.008**	<0.002	<0.002	<0.002	<0.002	NT	<0.002	<0.002	<0.2	<0.002	**0.002**	NT	NT	<0.002	<0.002	NT	NT
74	11/13	**0.0225**	<0.002	<0.002	<0.002	<0.002	**0.0056**	NT	<0.002	<0.002	<0.2	<0.002	**0.0029**	NT	NT	<0.2	<0.002	NT	**0.0029**
75	06/14	**0.01**	**0.01**	<0.002	<0.002	<0.002	**0.005**	NT	<0.002	<0.002	<0.2	<0.002	<0.002	NT	NT	<0.002	<0.002	<0.002	NT
76	08/14	**0.01**	<0.002	<0.002	<0.002	<0.002	<0.002	NT	<0.002	<0.002	<0.2	<0.002	**0.002**	NT	NT	<0.002	<0.002	NT	NT
77	11/14	**0.08**	<0.002	<0.002	<0.002	<0.002	<0.2	NT	<0.002	<0.002	<0.2	<0.002	<0.002	NT	NT	<0.002	<0.002	<0.002	**0.004**
78	06/15	**0.02**	**0.007**	<0.002	<0.002	<0.002	<0.1	NT	<0.002	<0.002	<0.2	<0.002	<0.002	NT	NT	<0.002	<0.04	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 5B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Benzene**																	
Round Number	Sample Date	NH AGQS = 0.005 GZ-2L	GZ-3L	GZ-4L	GZ-8L	GZ-402L	GZ-405L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-701L	GZ-3B
Start of Bioremediation Pilot Test																			
17	07/97	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
18	12/97	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
19	04/98	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
20	07/98	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
21	11/98	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
22	3,5/99	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
23	07/99	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
24	12/99	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
Start of Full-Scale Bioremediation																			
25	06/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
26	07/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
27	08/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
28	12/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
29	01/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
30	06-07/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
31	09-10/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
32	12/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
33	01/02	**0.003**	NT	NT	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
34	02/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
35	06/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
36	10/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
37	01/03	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
38	07/03	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
39	12/03	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
40	02/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
41	06/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
42	08/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
43	11/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
44	01/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
45	06/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
46	08/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
47	11/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
48	12/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
49	05/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
50	06/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
51	08/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
52	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
53	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
55	02/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
56	05/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
57	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
58	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
60	11/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
62	08/08	**0.002**	<0.001	<0.001	<0.001	NT	<0.25	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	<0.001
63	11/08	<0.001	<0.01	<0.025	<0.001	<0.001	<0.25	NT	NT	NT	<25	NT	NT	NT	NT	NT	NT	NI	<0.001
64	09/09	**0.011**	<0.005	<0.01	<0.001	NT	<0.005/<0.025	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
65	11/09	<0.01	<0.005	<0.01	<0.001	NT	<0.1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.005	<0.001
66	08/10	**0.004**	<0.001	<0.005	<0.001	<0.005	<0.010	NT	NT	NT	<5.0	NT	**0.001**	NT	NT	<0.010	<0.050	NT	<0.001
67	11/10	**0.003**	<0.001	<0.005	<0.001	<0.005	<0.002	NT	NT	NT	<5.0	NT	**0.002**	NT	NT	<0.020	<0.050	NT	NT
68	08/11	<0.005	<0.0025	<0.005	<0.001	<0.005	<0.010	<0.001	<0.001	<0.001	<5.0	NT	**0.0035**	<0.0025	<0.001	<0.025	<0.010	NT	NT
69	11-12/11	<0.001	<0.0025	<0.005	<0.001	<0.005	<0.050 / <0.100	NT	<0.001	<0.001	<5.0	<0.001	<0.001	NT	NT	<0.050	<0.010	NT	<0.001
70	06/12	<0.0025	<0.005	<0.01	<0.001	<0.01	<0.025	NT	<0.001	<0.001	<2	<0.001	**0.0021**	NT	NT	<0.05	<0.005	NT	NT
71	08/12	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NT	<0.001	<0.001	<0.1	<0.001	**0.0025**	NT	NT	<0.001	<0.001	NT	NT
72	11/12	**0.001**	<0.001	<0.001	<0.001	<0.001	<0.001	NT	<0.001	<0.001	<1	<0.001	**0.0031**	NT	NT	<0.01	**0.0022**	NT	<0.001
73	08/13	**0.003**	<0.001	<0.001	<0.001	<0.001	<0.001	NT	<0.001	<0.001	<0.1	<0.001	**0.002**	NT	NT	<0.001	<0.001	NT	NT
74	11/13	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	NT	<0.001	<0.001	<0.1	<0.001	**0.0021**	NT	NT	<0.1	<0.001	NT	<0.001
75	06/14	**0.002**	<0.001	<0.001	<0.001	<0.001	**0.001**	NT	<0.001	<0.001	<0.1	<0.001	**0.001**	NT	NT	<0.001	<0.001	<0.001	NT
76	08/14	**0.001**	<0.001	<0.001	<0.001	<0.001	<0.001	NT	<0.001	<0.001	<0.1	<0.001	**0.003**	NT	NT	<0.001	**0.001**	NT	NT
77	11/14	**0.007**	<0.001	<0.001	<0.001	<0.001	<0.1	NT	<0.001	<0.001	<0.1	<0.001	**0.004**	NT	NT	<0.001	**0.001**	<0.001	<0.001
78	06/15	**0.003**	<0.001	<0.001	<0.001	<0.001	<0.05	NT	<0.001	<0.001	<0.1	<0.001	<0.001	NT	NT	<0.001	<0.02	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 5B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Toluene**																	
Round Number	Sample Date	NH AGQS = 1.0 GZ-2L	GZ-3L	GZ-4L	GZ-8L	GZ-402L	GZ-405L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-701L	GZ-3B
Start of Bioremediation Pilot Test																			
17	07/97	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
18	12/97	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
19	04/98	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
20	07/98	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
21	11/98	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
22	3,5/99	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
23	07/99	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
24	12/99	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
Start of Full-Scale Bioremediation																			
25	06/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
26	07/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
27	08/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
28	12/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
29	01/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
30	06-07/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
31	09-10/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
32	12/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
33	01/02	**0.064**	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
34	02/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
35	06/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
36	10/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
37	01/03	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
38	07/03	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
39	12/03	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
40	02/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
41	06/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
42	08/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
43	11/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
44	01/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
45	06/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
46	08/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
47	11/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
48	12/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
49	05/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
50	06/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
51	08/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
52	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
53	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
55	02/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
56	05/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
57	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
58	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
60	11/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
62	08/08	**0.089**	**0.015**	<0.001	<0.001	NT	**0.29**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	<0.001
63	11/08	**0.015**	**0.12**	<0.025	<0.001	<0.001	**0.26**	NT	NT	NT	<25	NT	NT	NT	NT	NT	NT	NI	<0.001
64	09/09	**0.2**	**0.022**	<0.01	<0.001	NT	**0.04/0.14**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
65	11/09	**0.019**	**0.12**	<0.01	<0.001	NT	**0.46**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.005	<0.001
66	08/10	**0.073**	**0.002**	<0.005	<0.001	<0.005	**0.210**	NT	NT	NT	**11**	NT	**0.022**	NT	NT	**0.010**	**0.140**	NT	<0.001
67	11/10	**0.026**	**0.001**	<0.005	<0.001	<0.005	**0.400**	NT	NT	NT	**16**	NT	**0.016**	NT	NT	**0.110**	**0.140**	NT	NT
68	08/11	**0.031**	**0.0036**	<0.005	<0.001	<0.005	**0.07**	<0.001	<0.001	**0.0028**	**11**	NT	**0.048**	**0.0059**	**0.0011**	**0.094**	<0.010	NT	NT
69	11-12/11	**0.0028**	**0.019**	<0.005	<0.001	<0.005	**0.29 / 0.810**	NT	<0.001	<0.001	**11**	<0.001	**0.0052**	NT	NT	**0.170**	<0.010	NT	<0.001
70	06/12	<0.0025	**0.0119**	<0.01	<0.001	<0.01	**0.120**	NT	<0.001	**0.0032**	**3.42**	<0.001	**0.0147**	NT	NT	**0.148**	<0.005	NT	NT
71	08/12	**0.0012**	**0.003**	<0.001	<0.001	<0.001	**0.0995**	NT	<0.001	**0.0051**	**3.37**	<0.001	**0.0221**	NT	NT	**0.0995**	**0.0054**	NT	NT
72	11/12	**0.0014**	<0.001	<0.001	<0.001	<0.001	**0.0134**	NT	<0.001	<0.001	**1.63**	<0.001	**0.059**	NT	NT	**0.0227**	**0.0529**	NT	<0.001
73	08/13	**0.04**	**0.004**	<0.001	<0.001	<0.001	**0.01**	NT	<0.001	<0.001	**2.6**	<0.001	**0.01**	NT	NT	**0.02**	**0.003**	NT	NT
74	11/13	<0.01	<0.001	<0.001	<0.001	<0.001	**0.0386**	NT	<0.001	<0.001	**2.36**	<0.001	**0.0195**	NT	NT	<0.1	**0.0033**	NT	<0.001
75	06/14	**0.003**	**0.003**	<0.001	<0.001	<0.001	**0.1**	NT	<0.001	<0.001	**1**	<0.001	**0.007**	NT	NT	**0.09**	**0.006**	<0.001	NT
76	08/14	**0.004**	<0.001	<0.001	<0.001	<0.001	<0.1	NT	<0.001	**0.001**	**0.9**	<0.001	**0.07**	NT	NT	**0.04**	**0.01**	NT	NT
77	11/14	**0.07**	<0.001	<0.001	<0.001	<0.001	**0.3**	NT	<0.001	<0.001	**0.5**	<0.001	**0.09**	NT	NT	**0.03**	**0.03**	<0.001	<0.001
78	06/15	**0.005**	**0.001**	<0.001	<0.001	<0.001	<0.05	NT	<0.001	<0.001	**0.5**	<0.001	**0.01**	NT	NT	**0.07**	<0.02	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 5B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Ethylbenzene**																	
Round Number	Sample Date	NH AGQS = 0.7 GZ-2L	GW-2 = 1.5 GZ-3L	GZ-4L	GZ-8L	GZ-402L	GZ-405L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-701L	GZ-3B
Start of Bioremediation Pilot Test																			
17	07/97	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
18	12/97	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
19	04/98	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
20	07/98	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
21	11/98	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
22	3,5/99	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
23	07/99	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
24	12/99	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
Start of Full-Scale Bioremediation																			
25	06/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
26	07/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
27	08/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
28	12/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
29	01/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
30	06-07/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
31	09-10/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
32	12/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
33	01/02	**0.0078**	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
34	02/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
35	06/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
36	10/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
37	01/03	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
38	07/03	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
39	12/03	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
40	02/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
41	06/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
42	08/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
43	11/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
44	01/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
45	06/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
46	08/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
47	11/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
48	12/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
49	05/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
50	06/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
51	08/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
52	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
53	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
55	02/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
56	05/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
57	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
58	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
60	11/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
62	08/08	**0.0068**	**0.011**	<0.001	<0.001	NT	<0.25	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	<0.001
63	11/08	**0.001**	**0.068**	<0.025	<0.001	<0.001	<0.25	NT	NT	NT	<25	NT	NT	NT	NT	NT	NT	NI	<0.001
64	09/09	**0.022**	**0.025**	<0.010	<0.001	NT	**0.0084/0.048**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
65	11/09	<0.01	**0.12**	<0.010	<0.001	NT	**0.1**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.005	<0.001
66	08/10	**0.015**	**0.004**	<0.005	<0.001	<0.005	**0.010**	NT	NT	NT	<5.0	NT	**0.001**	NT	NT	<0.010	<0.050	NT	<0.001
67	11/10	**0.008**	**0.003**	<0.005	<0.001	<0.005	**0.009**	NT	NT	NT	<5.0	NT	**0.003**	NT	NT	**0.03**	<0.050	NT	NT
68	08/11	<0.005	**0.0048**	<0.005	<0.001	<0.005	**0.031**	<0.001	<0.001	<0.001	<5.0	NT	**0.0067**	<0.0025	<0.001	**0.039**	<0.010	NT	NT
69	11-12/11	<0.001	**0.028**	<0.005	<0.001	<0.005	**0.071 / 0.13**	NT	<0.001	<0.001	<5.0	<0.001	**0.0012**	NT	NT	**0.068**	<0.010	NT	<0.001
70	06/12	<0.0025	**0.0157**	<0.01	<0.001	<0.01	**0.0485**	NT	<0.001	<0.001	<2	<0.001	**0.0037**	NT	NT	**0.0730**	<0.005	NT	NT
71	08/12	<0.001	**0.0116**	<0.001	<0.001	<0.001	**0.0379**	NT	<0.001	**0.0013**	**0.553**	<0.001	**0.0038**	NT	NT	**0.072**	<0.001	NT	NT
72	11/12	<0.001	**0.004**	<0.001	<0.001	<0.001	**0.0068**	NT	<0.001	<0.001	<1	<0.001	**0.0071**	NT	NT	**0.0164**	**0.0051**	NT	<0.001
73	08/13	**0.004**	**0.01**	<0.001	<0.001	<0.001	**0.009**	NT	<0.001	<0.001	**0.6**	<0.001	**0.005**	NT	NT	**0.01**	<0.001	NT	NT
74	11/13	<0.01	**0.0023**	<0.001	<0.001	<0.001	**0.0129**	NT	<0.001	<0.001	**0.46**	<0.001	**0.0051**	NT	NT	<0.1	<0.001	NT	<0.001
75	06/14	<0.001	**0.009**	<0.001	<0.001	<0.001	**0.07**	NT	<0.001	<0.001	**0.3**	<0.001	**0.004**	NT	NT	**0.03**	<0.001	<0.001	NT
76	08/14	<0.001	**0.005**	<0.001	<0.001	<0.001	**0.06**	NT	<0.001	<0.001	**0.3**	<0.001	**0.02**	NT	NT	**0.02**	**0.001**	NT	NT
77	11/14	**0.02**	**0.003**	<0.001	<0.001	<0.001	<0.1	NT	<0.001	<0.001	**0.2**	<0.001	**0.03**	NT	NT	**0.02**	**0.003**	<0.001	<0.001
78	06/15	<0.001	**0.007**	<0.001	<0.001	<0.001	<0.05	NT	<0.001	<0.001	**0.1**	<0.001	**0.009**	NT	NT	**0.03**	<0.02	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 5B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Total Xylenes**																	
Round Number	Sample Date	NH AGQS = 10.0 GZ-2L	GW-2 = 17.0 GZ-3L	GZ-4L	GZ-8L	GZ-402L	GZ-405L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-701L	GZ-3B
Start of Bioremediation Pilot Test																			
17	07/97	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
18	12/97	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
19	04/98	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
20	07/98	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
21	11/98	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
22	3,5/99	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
23	07/99	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
24	12/99	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
Start of Full-Scale Bioremediation																			
25	06/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
26	07/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
27	08/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
28	12/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
29	01/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
30	06-07/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
31	09-10/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
32	12/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
33	01/02	**0.0299**	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
34	02/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
35	06/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
36	10/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
37	01/03	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
38	07/03	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
39	12/03	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
40	02/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
41	06/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
42	08/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
43	11/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
44	01/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
45	06/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
46	08/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
47	11/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
48	12/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
49	05/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
50	06/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
51	08/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
52	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
53	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
55	02/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
56	05/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
57	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
58	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
60	11/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
62	08/08	**0.022**	**0.0285**	<0.003	<0.003	NT	<0.75	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	<0.003
63	11/08	**0.004**	**0.19**	<0.075	<0.003	<0.003	<0.75	NT	NT	NT	<75	NT	NT	NT	NT	NT	NT	NI	<0.003
64	09/09	**0.104**	**0.0568**	<0.01	<0.001	NT	**0.0494/0.289**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
65	11/09	<0.01	**0.178**	<0.01	<0.001	NT	**0.49**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.0075	<0.002
66	08/10	**0.057**	**0.004**	<0.005	<0.001	<0.005	**0.060**	NT	NT	NT	<5.0	NT	**0.007**	NT	NT	**0.030**	<0.050	NT	<0.001
67	11/10	**0.027**	**0.002**	<0.005	<0.001	<0.005	**0.055**	NT	NT	NT	<5.0	NT	**0.014**	NT	NT	**0.160**	<0.050	NT	NT
68	08/11	**0.0212**	**0.0053**	<0.0075	<0.0015	<0.0075	**0.188**	<0.0015	<0.0015	<0.0015	<7.5	NT	**0.035**	<0.0038	<0.0015	**0.148**	<0.015	NT	NT
69	11-12/11	<0.0015	**0.035**	<0.0075	<0.0015	<0.0075	**0.385 / 0.75**	NT	<0.0015	<0.0015	<7.5	<0.0015	**0.0056**	NT	NT	**0.310**	<0.015	NT	<0.0015
70	06/12	**0.0041**	**0.0219**	<0.03	<0.002	<0.03	**0.2842**	NT	<0.003	<0.003	<6	<0.003	**0.0163**	NT	NT	**0.3905**	<0.015	NT	NT
71	08/12	**0.0016**	**0.0147**	<0.001	<0.001	<0.001	**0.141**	NT	<0.001	**0.0054**	**3.240**	<0.001	**0.0172**	NT	NT	**0.245**	<0.001	NT	NT
72	11/12	**0.0013**	**0.003**	<0.001	<0.001	<0.001	**0.0438**	NT	<0.001	<0.001	<1	<0.001	**0.0359**	NT	NT	**0.0905**	**0.0248**	NT	<0.001
73	08/13	**0.01**	**0.01**	<0.003	<0.003	<0.003	**0.06**	NT	<0.003	<0.003	**3.7**	<0.003	**0.02**	NT	NT	**0.09**	<0.003	NT	NT
74	11/13	<0.02	<0.002	<0.002	<0.002	<0.002	**0.09**	NT	<0.002	<0.002	**3.0**	<0.002	**0.02**	NT	NT	<0.2	<0.002	NT	<0.002
75	06/14	**0.004**	**0.01**	<0.003	<0.003	<0.003	**0.3**	NT	<0.003	<0.003	**1.8**	<0.003	**0.01**	NT	NT	**0.2**	**0.003**	<0.003	NT
76	08/14	<0.003	<0.003	<0.003	<0.003	<0.003	**0.3**	NT	<0.003	<0.003	**1.7**	<0.003	**0.07**	NT	NT	**0.1**	**0.004**	NT	NT
77	11/14	**0.06**	<0.003	<0.003	<0.003	<0.003	**0.4**	NT	<0.003	<0.003	**1.1**	<0.003	**0.1**	NT	NT	**0.2**	**0.01**	<0.003	<0.003
78	06/15	**0.005**	**0.007**	<0.003	<0.003	<0.003	**0.2**	NT	<0.003	<0.003	**0.7**	<0.003	**0.02**	NT	NT	**0.3**	<0.06	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 5B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Tert-butyl alcohol (TBA)**																	
Round Number	Sample Date	NH AGQS = 0.040 GZ-2L	GZ-3L	GZ-4L	GZ-8L	GZ-402L	GZ-405L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-701L	GZ-3B
62	08/08	<0.025	<0.025	<0.025	<0.025	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
63	11/08	<0.025	<0.25	<0.63	<0.025	**0.098**	<6.3	NT	NT	NT	NT	NT	NT	<30.0	NT	NT	NT	NI	<0.025
64	09/09	<0.13	<0.13	<0.25	<0.025	NT	<0.130/<0.63	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	<0.025
65	11/09	<0.25	<0.13	<0.25	NT	<0.025	<2.5	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.13	<0.025
66	08/10	<0.030	<0.030	<0.20	<0.030	<0.20	<0.30	NT	NT	NT	<200	NT	<0.030	NT	NT	<0.30	<2.0	NT	<0.030
67	11/10	<0.030	<0.030	<0.20	<0.030	<0.20	<0.060	NT	NT	NT	<200	NT	<0.030	NT	NT	<0.60	<2.0	NT	NT
68	08/11	<0.130	**0.12**	**0.31**	<0.025	**0.51**	<0.250	<0.025	<0.025	<0.025	<130	NT	<0.025	<0.063	<0.025	<0.630	<0.250	NT	NT
69	11-12/11	<0.025	<0.063	**0.19**	<0.025	**0.31**	<1.3 / <2.5	NT	<0.025	<0.025	<130	<0.025	<0.025	NT	NT	<1.3	<0.250	NT	**0.073**
70	06/12	<0.0625	**0.159**	**0.476**	<0.025	**0.609**	<0.625	NT	<0.025	<0.025	<50	<0.025	<0.025	NT	NT	<1.25	<0.125	NT	NT
71	08/12	<0.025	<0.025	<0.025	<0.025	**0.132**	<0.025	NT	<0.025	<0.025	<2.5	<0.025	<0.025	NT	NT	<0.025	<0.025	NT	NT
72	11/12	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NT	<0.025	<0.025	<25	<0.025	<0.025	NT	NT	<0.025	<0.025	NT	<0.025
73	08/13	<0.02	**0.05**	**0.1**	<0.02	**0.2**	<0.02	NT	<0.02	<0.02	**2.5**	<0.02	<0.02	NT	NT	<0.02	<0.02	NT	NT
74	11/13	<0.25	<0.025	**0.0317**	<0.025	**0.141**	<0.025	NT	<0.025	<0.025	<2.5	<0.025	<0.025	NT	NT	<2.5	<0.025	NT	<0.025
75	06/14	<0.02	<0.02	**0.04**	<0.02	**0.1**	<0.02	NT	<0.02	<0.02	<2.5	<0.02	<0.02	NT	NT	<0.02	<0.02	**0.08**	NT
76	08/14	<0.02	<0.02	<0.02	<0.02	**0.08**	<0.02	NT	<0.02	<0.02	<2.5	<0.02	<0.02	NT	NT	<0.02	<0.02	NT	NT
77	11/14	<0.02	<0.02	<0.02	<0.02	**0.08**	<2.5	NT	<0.02	<0.02	<2.5	<0.02	<0.02	NT	NT	<0.02	<0.02	**0.2**	<0.02
78	06/15	<0.02	<0.02	**0.05**	<0.02	**0.1**	<1.2	NT	<0.02	<0.02	<2.5	<0.02	<0.02	NT	NT	<0.02	<0.5	NT	NT

Contaminant:		**tert-Amyl methyl ether (TAME)**																	
Round Number	Sample Date	NH AGQS = 0.140 GZ-2L	GZ-3L	GZ-4L	GZ-8L	GZ-402L	GZ-405L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-701L	GZ-3B
62	08/08	<0.002	**0.0079**	**0.025**	<0.002	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
63	11/08	<0.002	<0.02	<0.05	<0.002	**0.024**	<0.5	NT	NT	NT	NT	NT	NT	<50.0	NT	NT	NT	NI	<0.002
64	09/09	<0.005	**0.011**	**0.024**	<0.002	NT	<0.010/<0.05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	<0.002
65	11/09	<0.02	<0.01	<0.02	NT	<0.002	<0.2	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	**0.016**	<0.002
66	08/10	<0.005	**0.007**	<0.030	<0.005	<0.030	<0.050	NT	NT	NT	<30	NT	<0.005	NT	NT	<0.050	<0.30	NT	<0.005
67	11/10	<0.005	**0.005**	<0.030	<0.005	<0.030	<0.010	NT	NT	NT	<30	NT	<0.005	NT	NT	<0.10	<0.30	NT	NT
68	08/11	<0.010	<0.005	**0.014**	<0.002	**0.013**	<0.020	<0.002	<0.002	<0.002	<10	NT	<0.002	<0.005	<0.002	<0.050	<0.020	NT	NT
69	11-12/11	<0.002	**0.0052**	**0.014**	<0.002	**0.012**	<0.100 / **0.20**	NT	<0.002	<0.002	<10	<0.002	<0.002	NT	NT	<0.10	<0.020	NT	<0.002
70	06/12	<0.005	<0.01	<0.02	<0.002	<0.02	<0.05	NT	<0.002	<0.002	<4	<0.002	<0.002	NT	NT	<0.1	<0.01	NT	NT
71	08/12	<0.001	**0.0028**	**0.0096**	<0.001	**0.0095**	<0.001	NT	<0.001	<0.001	<0.1	<0.001	<0.001	NT	NT	<0.001	<0.001	NT	NT
72	11/12	<0.001	**0.0023**	**0.0082**	<0.001	**0.009**	<0.001	NT	<0.001	<0.001	<1	<0.001	<0.001	NT	NT	<0.01	<0.001	NT	<0.001
73	08/13	<0.001	**0.002**	**0.007**	<0.001	**0.006**	<0.001	NT	<0.001	<0.001	<0.1	<0.001	<0.001	NT	NT	<0.001	<0.001	NT	NT
74	11/13	<0.01	**0.0035**	**0.0066**	<0.001	**0.0062**	<0.001	NT	<0.001	<0.001	<0.1	<0.001	<0.001	NT	NT	<0.1	<0.001	NT	<0.001
75	06/14	<0.001	**0.002**	**0.006**	<0.001	**0.006**	<0.001	NT	<0.001	<0.001	<0.1	<0.001	<0.001	NT	NT	<0.001	<0.001	**0.009**	NT
76	08/14	<0.001	**0.003**	**0.006**	<0.001	**0.006**	<0.001	NT	<0.001	<0.001	<0.1	<0.001	<0.001	NT	NT	<0.001	<0.001	NT	NT
77	11/14	<0.001	**0.004**	**0.007**	<0.001	**0.005**	<0.1	NT	<0.001	<0.001	<0.1	<0.001	<0.001	NT	NT	<0.001	<0.001	**0.009**	<0.001
78	06/15	<0.001	**0.003**	**0.006**	<0.001	**0.006**	<0.05	NT	<0.001	<0.001	<0.1	<0.001	<0.001	NT	NT	<0.001	<0.02	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 5B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**1,4-Dioxane**																	
Round Number	Sample Date	NH AGQS = 0.003 GZ-2L	GW-2 = NA GZ-3L	GZ-4L	GZ-8L	GZ-402L	GZ-405L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-701L	GZ-3B
62	08/08	<0.003	<0.003	<0.003	<0.003	NT	<0.030	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	<0.003
63	11/08	**0.0028**	**0.0031**	<0.001	<0.001	<0.001	<0.001	NT	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NI	**0.0016**
64	09/09	NT	<0.003	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
65	11/09	NT	**0.004**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
66	08/10	**0.004**	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	**0.002**
67	11/10	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
68	08/11	NT	<0.003	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
69	11-12/11	NT	**0.0014**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
70	06/12	NT	<0.003	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
71	08/12	NT	**0.00043**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
72	11/12	NT	<0.00025	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
73	08/13	NT	<0.00025	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
74	11/13	NT	<0.00025	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
75	06/14	NT	**0.00041**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
76	08/14	NT	**0.0004**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
77	11/14	NT	**0.0006**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
78	06/15	NT	**0.0016**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Contaminant:		**Methyl-Tert-Butyl-Ether (MTBE)**																	
Round Number	Sample Date	NH AGQS = 0.013 GZ-2L	GW-2 = 2.6 GZ-3L	GZ-4L	GZ-8L	GZ-402L	GZ-405L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-701L	GZ-3B
62	08/08	**0.0073**	**0.53**	**1.6**	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
63	11/08	<0.001	**0.38**	**1.8**	<0.001	**1.2**	<0.25	NT	NT	NT	NT	NT	NT	<25.0	NT	NT	NT	NI	**0.0012**
64	09/09	<0.005	**0.67**	**1.5**	<0.001	NT	<0.005/<0.025	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	<0.001
65	11/09	<0.01	**0.16**	**1.2**	NT	**0.001**	<0.1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	**1.0**	<0.001
66	08/10	**0.013**	**0.440**	**1.5**	<0.005	**1.0**	<0.010	NT	NT	NT	<5.0	NT	<0.005	NT	NT	<0.010	<0.050	NT	<0.005
67	11/10	**0.023**	**0.480**	**1.3**	<0.005	**1.1**	<0.005	NT	NT	NT	<5.0	NT	<0.005	NT	NT	<0.020	<0.050	NT	NT
68	08/11	**0.005**	**0.310**	**0.9**	<0.001	**0.77**	<0.010	<0.001	<0.001	<0.001	<5.0	NT	<0.001	<0.0025	<0.001	<0.025	<0.010	NT	NT
69	11-12/11	<0.001	**0.290**	**0.83**	<0.001	**0.68**	<0.050 / **0.100**	NT	<0.001	<0.001	<5.0	<0.001	<0.001	NT	NT	<0.050	<0.010	NT	<0.001
70	06/12	<0.0025	**0.235**	**0.673**	<0.001	**0.587**	<0.025	NT	<0.001	<0.001	<2	<0.001	<0.001	NT	NT	<0.05	<0.005	NT	NT
71	08/12	**0.0166**	**0.259**	**0.877**	<0.001	**0.713**	<0.001	NT	<0.001	<0.001	<0.1	<0.001	<0.001	NT	NT	<0.001	<0.001	NT	NT
72	11/12	**0.0581**	**0.152**	**0.535**	<0.001	**0.491**	<0.001	NT	<0.001	<0.001	<1	<0.001	<0.001	NT	NT	<0.01	<0.001	NT	<0.001
73	08/13	**0.005**	**0.2**	**0.8**	<0.001	**0.6**	<0.001	NT	<0.001	<0.001	<0.1	<0.001	<0.001	NT	NT	<0.001	<0.001	NT	NT
74	11/13	**0.0249**	**0.279**	**0.478**	<0.001	**0.392**	<0.001	NT	<0.001	<0.001	<0.1	<0.001	<0.001	NT	NT	<0.1	<0.001	NT	**0.0011**
75	06/14	**0.001**	**0.1**	**0.3**	<0.001	**0.3**	<0.001	NT	<0.001	<0.001	<0.1	<0.001	<0.001	NT	NT	<0.001	<0.001	**0.3**	NT
76	08/14	**0.03**	**0.1**	**0.4**	<0.001	**0.3**	<0.001	NT	<0.001	<0.001	<0.1	<0.001	<0.001	NT	NT	<0.001	<0.001	NT	NT
77	11/14	<0.001	**0.2**	**0.4**	<0.001	**0.4**	<0.1	NT	<0.001	<0.001	<0.1	<0.001	<0.001	NT	NT	<0.001	<0.001	**0.4**	**0.002**
78	06/15	**0.006**	**0.1**	**0.3**	<0.001	**0.3**	<0.05	NT	<0.001	<0.001	<0.1	<0.001	<0.001	NT	NT	<0.001	<0.02	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 5B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Methane**																	
Round Number	Sample Date	NH AGQS/GW-2 = NA GZ-2L	GZ-3L	GZ-4L	GZ-8L	GZ-402L	GZ-405L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-701L	GZ-3B
Start of Bioremediation Pilot Test																			
17	07/97	**2.3**	**1.7**	NT	**0.36**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
18	12/97	**2.3**	**1.7**	**0.8**	**0.36**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
19	04/98	**2**	**3.7**	**1.4**	**0.77**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
20	07/98	**9.1**	**28**	**0.96**	**1.1**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
21	11/98	**50**	**31**	**10**	**1.7**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
22	3,5/99	**16**	NT	**110**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
23	07/99	**16**	NT	**110**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
24	12/99	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
Start of Full-Scale Bioremediation																			
25	06/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
26	07/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
27	08/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
28	12/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
29	01/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
30	06-07/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
31	09-10/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
32	12/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
33	01/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
34	02/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
35	06/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
36	10/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
37	01/03	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
38	07/03	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
39	12/03	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
40	02/04	**11**	**8.2**	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
41	06/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
42	08/04	**2.5**	**2.8**	**4.4**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
43	11/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
44	01/05	NT	NT	NT	NT	<0.02	<0.02	<0.02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
45	06/05	**18**	**8**	**4.8**	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
46	08/05	**5.6**	**1.9**	**0.7**	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
47	11/05	**7.4**	**12**	**5.5**	NT	**0.059**	<0.01	**1.5**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
48	12/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
49	05/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
50	06/06	<9.5	**6.5**	**2.6**	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
51	08/06	<18	**7.7**	**1.5**	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
52	10/06	NT	NT	NT	NT	NT	NT	NT	NT	<0.01	**0.027**	NT	NI	NI	NI	NI	NI	NI	NT
53	12/06	**7.8**	<12	**3**	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
55	02/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
56	05/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
57	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
58	08/07	<17	**5**	<10	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
60	11/07	**8.8**	**3.8**	**0.52**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
62	08/08	**8.4**	**2.2**	**0.28**	NT	NT	**2.3**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
63	11/08	**1.7**	**9.3**	**0.51**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
64	09/09	**12**	**2.2**	**0.098**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
65	11/09	**4.6**	**5.3**	**0.14**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
66	08/10	**9.8**	**0.52**	**0.14**	**0.07**	<0.02	**12**	NT	NT	NT	**12**	NT	**15**	NT	NT	**4.6**	**14**	NT	NT
67	11/10	**9.7**	**0.26**	**0.08**	**0.06**	<0.02	**12**	NT	NT	NT	**15**	NT	**24**	NT	NT	**5.7**	**20**	NT	NT
68	08/11	**14**	**1.1**	**0.073**	**0.17**	<0.01	**14**	NT	NT	NT	**9.7**	NT	**29**	NT	NT	**15**	**31**	NT	NT
69	11-12/11	**1.4**	**5.5**	**0.38**	**0.32**	**0.031**	**12**	NT	NT	NT	**6.7**	NT	**23**	NT	NT	**12**	**20**	NT	NT
70	06/12	**5.89**	**0.988**	**0.0530**	**0.172**	<0.01	**2.80**	NT	**4.04**	**9.39**	**11.2**	**1.54**	**8.36**	NT	NT	**5.03**	**7.80**	NT	NT
71	08/12	**7.17**	**0.499**	**0.0576**	**0.0659**	**0.0048**	**3.03**	NT	**7.52**	**7.37**	**21.1**	**2.35**	**11.8**	NT	NT	**2.22**	**13.6**	NT	NT
72	11/12	**6.86**	**0.0613**	**0.0494**	**0.088**	**0.0055**	**4.34**	NT	**4.71**	**10.9**	**15.9**	**1.65**	**15.4**	NT	NT	**4.15**	**15.0**	NT	NT
73	08/13	**5.38**	**0.777**	**0.0738**	**0.0812**	**0.0047**	**6.9**	NT	**3.08**	**6.14**	**7.11**	**0.792**	**7.92**	NT	NT	**2.29**	**8.48**	NT	NT
74	11/13	**3.97**	**0.236**	**0.0408**	**0.0561**	**0.0036**	**4.53**	NT	**6.66**	**4.97**	**10.5**	**0.79**	**9.43**	NT	NT	**2.97**	**8.87**	NT	NT
75	06/14	**4.97**	**1.2**	**0.0425**	**0.0875**	**0.0057**	**5.98**	NT	**1.99**	**6.13**	**12.6**	**0.714**	**13.7**	NT	NT	**2.75**	**7.28**	NT	NT
76	08/14	**3.89**	**0.314**	**0.0357**	**0.0631**	**0.0057**	**4.12**	NT	**3.36**	**4.14**	**10.3**	**0.543**	**11.5**	NT	NT	**3.48**	**7.88**	NT	NT
77	11/14	**6.24**	**0.356**	**0.0722**	**0.0916**	**0.0059**	**2.86**	NT	**8.49**	**6.73**	**9.34**	**0.430**	**17.0**	NT	NT	**5.19**	**9.40**	NT	NT
78	06/15	**8.34**	**1.19**	**0.0988**	**0.0524**	**0.0078**	**1.99**	NT	**1.41**	**1.86**	**7.1**	**0.415**	**10.9**	NT	NT	**1.43**	**4.69**	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 5B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Ethane**																	
Round Number	Sample Date	NH AGQS/GW-2 = NA GZ-2L	GZ-3L	GZ-4L	GZ-8L	GZ-402L	GZ-405L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-701L	GZ-3B
42	08/04	<0.02	<0.02	0.04	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI		NT
No Analysis for Parameter between 2004 and 2006																			
52	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.01	<0.01	NI	NI	NI	NI	NI	NI	NT
53	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
55	02/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
56	05/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
57	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
58	08/07	<0.1	<0.1	<0.1	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
60	11/07	<0.1	<0.1	<0.01	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
62	08/08	<0.1	<0.1	<0.01	NT	NT	<0.1	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
63	11/08	<0.1	<0.1	<0.01	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
64	09/09	<0.1	<0.1	<0.01	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
65	11/09	<0.1	<0.1	<0.01	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT
66	08/10	**0.30**	**0.05**	<0.020	<0.020	<0.02	<0.1	NT	NT	NT	<0.1	NT	<0.1	NT	NT	<0.1	<0.1	NT	NT
No Analysis for Parameter between August 2010 and November 2012																			
72	11/12	**0.0758**	<0.003	<0.003	<0.003	<0.003	<0.003	NT	<0.003	<0.003	<0.003	<0.003	**0.2**	NT	NT	<0.003	<0.003	NT	NT
73	08/13	**0.144**	**0.125**	<0.0048	<0.003	<0.0048	<0.003	NT	<0.003	<0.003	<0.003	<0.003	**0.0539**	NT	NT	<0.003	<0.003	NT	NT
74	11/13	**0.137**	**0.0167**	<0.003	<0.003	<0.003	<0.003	NT	<0.003	<0.003	<0.003	<0.003	**0.0509**	NT	NT	<0.003	<0.003	NT	NT
75	06/14	**0.16**	**0.158**	<0.003	<0.003	<0.003	<0.003	NT	<0.003	<0.003	<0.003	<0.003	**0.034**	NT	NT	<0.003	<0.003	NT	NT
76	08/14	**0.106**	**0.0305**	<0.003	<0.003	<0.003	<0.003	NT	<0.003	<0.003	<0.003	<0.003	**0.0511**	NT	NT	<0.003	<0.003	NT	NT
77	11/14	**0.339**	**0.0233**	<0.003	<0.003	<0.003	<0.003	NT	<0.003	<0.003	<0.003	<0.003	**0.0324**	NT	NT	<0.003	<0.003	NT	NT
78	06/15	**0.202**	**0.17**	<0.003	<0.003	<0.003	<0.003	NT	<0.003	<0.003	**0.0032**	<0.003	**0.0665**	NT	NT	<0.003	<0.003	NT	NT

Contaminant:		**Ethene**																	
Round Number	Sample Date	NH AGQS/GW-2 = NA GZ-2L	GZ-3L	GZ-4L	GZ-8L	GZ-402L	GZ-405L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-701L	GZ-3B
42	08/04	<0.02	**0.14**	**0.03**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
43	11/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
44	01/05	NT	NT	NT	NT	<0.02	<0.02	<0.02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
45	06/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
46	08/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
47	11/05	**0.022**	**1**	**0.022**	NT	<0.01	<0.01	<0.02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
48	12/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
49	05/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
50	06/06	**0.085**	**0.38**	**0.021**	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
51	08/06	**0.62**	**0.3**	**0.013**	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
52	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.01	<0.01	NI	NI	NI	NI	NI	NI	NT
53	12/06	<0.1	<0.1	<0.1	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
55	02/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
56	05/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
57	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
58	08/07	<0.1	<0.1	<0.1	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
60	11/07	<0.1	<0.1	<0.01	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
62	08/08	<0.1	<0.1	<0.01	NT	NT	<0.1	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
63	11/08	<0.1	<0.1	<0.01	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
64	09/09	**3.3**	**0.47**	**0.022**	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
65	11/09	<0.1	<0.1	<0.01	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT
66	08/10	**0.90**	**0.10**	<0.020	<0.020	<0.02	<0.1	NT	NT	NT	<0.1	NT	<0.1	NT	NT	<0.1	<0.1	NT	NT
No Analysis for Parameter between August 2010 and November 2012																			
72	11/12	**0.0452**	**0.0066**	**0.0067**	<0.005	<0.005	**0.0218**	NT	<0.005	<0.005	**0.0779**	<0.005	**0.209**	NT	NT	<0.005	**0.006**	NT	NT
73	08/13	**0.347**	**0.0767**	<0.0066	<0.005	<0.0066	**0.007**	NT	<0.005	<0.005	**0.0537**	<0.005	**0.191**	NT	NT	<0.005	**0.0145**	NT	NT
74	11/13	**0.187**	**0.0826**	**0.0063**	<0.005	<0.005	**0.0135**	NT	<0.005	<0.005	**0.0445**	<0.005	**0.238**	NT	NT	<0.005	**0.0088**	NT	NT
75	06/14	**0.173**	**0.0797**	**0.0103**	<0.005	<0.005	**0.263**	NT	<0.005	<0.005	**0.0295**	<0.005	**0.153**	NT	NT	<0.005	<0.005	NT	NT
76	08/14	**0.218**	**0.0566**	<0.005	<0.005	<0.005	**0.298**	NT	<0.005	<0.005	**0.0665**	<0.005	**0.410**	NT	NT	<0.005	**0.0101**	NT	NT
77	11/14	**1.32**	**0.0653**	**0.0089**	<0.005	<0.005	**0.223**	NT	<0.005	<0.005	**0.0457**	<0.005	**0.420**	NT	NT	<0.005	**0.0094**	NT	NT
78	06/15	**0.38**	**0.0837**	<0.005	<0.005	<0.005	**0.106**	NT	<0.005	<0.005	**0.0359**	<0.005	**0.124**	NT	NT	<0.005	**0.0116**	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 5B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Iron**																	
Round	Sample	NH AGQS/GW-2 = NA																	
Number	Date	GZ-2L	GZ-3L	GZ-4L	GZ-8L	GZ-402L	GZ-405L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-701L	GZ-3B
1	08/87	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
2	10/87	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
3	11/88	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
4	02/89	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
5	02/91	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
6	02-03/92	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
7	04/94	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
8	08/94	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
9	11/94	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
10	04/95	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
11	08/95	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
12	12/95	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
13	05/96	**0.06**	**25.4**	**0.024**	**5.44**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.342**
14	07/96	NT	**7.51**	<0.007	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.057**
15	11/96	**1.14**	**11.6**	**0.058**	**5.55**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.075**
16	04/97	**0.398**	**12**	**0.008**	**6.9**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.021**
No Analysis for Parameter between 1997 and 2004																			
40	02/04	**210**	**87**	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
41	06/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
42	08/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
43	11/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
44	01/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
45	06/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
46	08/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
47	11/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
48	12/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
49	05/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
50	06/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
51	08/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
52	10/06	NT	NT	NT	NT	NT	NT	NT	NT	**0.18**	**2.3**	NT	NI	NI	NI	NI	NI	NI	NT
No Analysis for Parameter after 2006																			

Contaminant:		**Manganese**																	
Round	Sample	NH AGQS = 0.84 GW-2 = NA																	
Number	Date	GZ-2L	GZ-3L	GZ-4L	GZ-8L	GZ-402L	GZ-405L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-701L	GZ-3B
1	08/87	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
2	10/87	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
3	11/88	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
4	02/89	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
5	02/91	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
6	02-03/92	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
7	04/94	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
8	08/94	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
9	11/94	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
10	04/95	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
11	08/95	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
12	12/95	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
13	05/96	**0.066**	**1.87**	**0.279**	**1.04**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.135**
14	07/96	NT	**1.83**	**0.229**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.064**
15	11/96	**0.403**	**1.58**	**0.254**	**0.952**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.074**
16	04/97	**0.065**	**1.41**	**0.237**	**1.11**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.058**
17	07/97	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
18	12/97	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
No Analysis for Parameter after 1997																			

NOTE: Please refer to last page for table notes.

TABLE 5B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Chloride**																	
Round Number	Sample Date	NH AGQS/GW-2 = NA GZ-2L	GZ-3L	GZ-4L	GZ-8L	GZ-402L	GZ-405L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-701L	GZ-3B
Start of Bioremediation Pilot Test																			
17	07/97	**78**	**57**	NT	**107**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
18	12/97	**84**	**72.5**	**95**	**53**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
19	04/98	**15**	**63**	**97**	**92**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
20	07/98	**20**	**69**	**120**	**120**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
21	11/98	**100**	**52**	**94**	**32**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
22	3,5/99	**54**	NT	**95**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
23	07/99	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
24	12/99	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
Start of Full-Scale Bioremediation																			
25	06/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
26	07/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
27	08/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
28	12/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
29	01/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
30	06-07/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
31	09-10/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
32	12/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
33	01/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
34	02/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
35	06/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
36	10/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
37	01/03	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
38	07/03	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
39	12/03	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
40	02/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
41	06/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
42	08/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
43	11/04	**85**	**91**	**130**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
44	01/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
45	06/05	**8**	**72**	**140**	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
46	08/05	**68**	**91**	**120**	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
47	11/05	**5**	**110**	**180**	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
48	12/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
49	05/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
50	06/06	**14**	**81**	**160**	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
51	08/06	**77**	**78**	**170**	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
52	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
53	12/06	**34**	**59**	**180**	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
55	02/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
56	05/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
57	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
58	08/07	**130**	**130**	**200**	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
60	11/07	**140**	**12**	**200**	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
62	08/08	**76**	**140**	**210**	NT	NT	**54**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
63	11/08	**8.3**	**90**	**230**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
64	09/09	**140**	**250**	**270**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
65	11/09	**23**	**69**	**250**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
No Analysis for Parameter after 2009																			

NOTE: Please refer to last page for table notes.

TABLE 5B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Total Organic Carbon (TOC), Sample Round No. 13,**																	
		Chemical Oxygen Demand (COD), Subsequent Sample Rounds until Round No. 43. Data for that round respectively reflect COD and TOC concentrations.																	
Round Number	Sample Date	NH AGQS/GW-2 = NA																	
		GZ-2L	GZ-3L	GZ-4L	GZ-8L	GZ-402L	GZ-405L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-701L	GZ-3B
Start of Bioremediation Pilot Test																			
17	07/97	**40**	**25**	NT	<5	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
18	12/97	**2,030**	**1,620**	**149**	**1,500**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
19	04/98	**134**	**160**	<5	<5	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
20	07/98	**800**	**110**	**98**	**490**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
21	11/98	**114**	**130**	**2,900**	**14**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
22	03/99	**101**	**74**	**1,600**	<5	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
23	07/99	**120**	**27**	**218**	<5	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
24	12/99	**1,140**	**100**	**145**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
Start of Full-Scale Bioremediation																			
25	06/00	**52**	**63**	**32**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
26	07/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
27	08/00	**2,400**	**1,300**	**9,200**	**130**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
28	12/00	**2,600**	**690**	**6,600**	**110**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
29	01/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
30	06-07/01	**140**	**280**	**1,600**	**93**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
31	09-10/01	**3,090**	**2,920**	**356**	<4	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
32	12/01	**2,270**	**1,390**	**530**	<4	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
33	01/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
34	02/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
35	06/02	**6,100**	**7,600**	**170**	<4	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**1,400**
36	10/02	**3,800**	**1,700**	**50**	**90**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
37	01/03	**2,000**	**1,200**	**30**	**20**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
38	07/03	**4,500**	**4,100**	**50**	<10	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
39	12/03	**2,200**	**4,000**	**20**	<10	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
40	02/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
41	06/04	**320**	**280**	**20**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
42	08/04	**210**	**180**	<10	<10	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
43	11/04	**190 / 58**	**370 / 42**	**40 / 2.7**	**10 / 1.9**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
44	01/05	NT	NT	NT	NT	**2**	9	7	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
45	06/05	**1000/320**	**90 /26**	**10.0 / 3.0**	<10 / **2**	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
46	08/05	**280 / 51**	**110 / 20**	**10.0 / 2**	<10 / **2**	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**10/1.6**
47	11/05	**640 / 180**	**77 / 24**	**18** / <5	<4/<5	<5	**18**	13	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**42.0/16**
48	12/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
49	05/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
50	06/06	**350 / 85**	**48 / 12**	**9.7 / 5.1**	<5/<4	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
51	08/06	**280 / 99**	**43 / 9.9**	**22**/<5	<4/<5	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
52	10/06	NT	NT	NT	NT	NT	<5	NT	<5	<5	<5	<5	NI	NI	NI	NI	NI	NI	NT
53	12/06	**410 / 100**	**110 / 45**	**38/5.4**	<4.0/**12**	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	<4 /<5
54	01/07	NT	NT	NT	NT	NT	**1,700**	NT	**1,800**	**3,800**	**14**	**1,800**	NI	NI	NI	NI	NI	NI	NT
55	02/07	NT	NT	NT	NT	NT	**1,100**	NT	**1,800**	**4,200**	**2,400**	**2,900**	NI	NI	NI	NI	NI	NI	NT
56	05/07	NT	NT	NT	NT	NT	**620**	NT	**370**	**2,400**	**2,600**	**2,000**	NI	NI	NI	NI	NI	NI	NT
57	07/07	NT	NT	NT	NT	NT	**1,000**	NT	**630**	**2,500**	**950**	**1,300**	NI	NI	NI	NI	NI	NI	NT
58	08/07	**57/10**	**31** / <5	**24**/<5	<10/<5	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	**24** / <5
59	09/07	NT	NT	NT	<10/<5	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
60	11/07	**22/10**	**17/23**	**13/25**	NT	NT	**120**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	<10 / **10**
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
62	08/08	**62 / 17**	**24 / 7**	**56 / 8**	<10 / **7**	NT	**4,000 / 1,300**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	**46** < 5
63	11/08	**48 /13**	**49 / 7**	**28** / <5	<10 / <5	NT	NT / **120**	NT	NT	NT	NT / **51**	NT	NT	NT	NT	NT	NT	NI	<10 / <5
64	09/09	**56 / 13**	**34 / 6**	**24 / 5**	**21** / <5	NT	NT / **89**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
65	11/09	**30 / 6.5**	**42 / 12**	**22** / <5	<10 / <5	NT	**49**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	**12**	**14** / <5
66	08/10	**25 / 15**	<10 / **3.2**	**11 / 2**	<10 / **1.7**	<10 / **1.6**	**330 / 110**	NT	NT	NT	**170 / 22**	NT	**120 / 52**	NT	NT	<10 / **2.9**	**24 / 7**	NT	NT
67	11/10	**26 / 3.4**	**15 / 2.8**	**19 / 1.3**	<10 / 1.3	<10 / **1.3**	**250 / 89**	NT	NT	NT	**200 / 20**	NT	**27 / 4.5**	NT	NT	<10 / **2.8**	**24 / 6**	NT	NT
68	08/11	**70 / 16**	**42 / 10**	**54 / 20**	**21** / <5.0	**45** / <5.0	**180 / 48**	NT	NT	NT	**270 / 54**	NT	**67 / 15**	NT	NT	**30 / 5.0**	**50** / <5.0	NT	NT
69	11-12/11	<10 / <5.0	**13** / <5.0	<10 / <5.0	<10 / <5.0	<10 / <5.0	**44 / 18**	NT	**23** (TOC)	**14** (TOC)	**209 / 23**	**5.9** (TOC)	<10 / <5.0	NT	NT	<10 / <5.0	<10 / <5.0	NT	<10 / <5.0
70	06/12	<10 / <1.0	<10 / <1.0	<10 / <1.0	<10 / <1	<10 / <1.0	**46 / 14**	NT	**13 / 1.3**	**16** / <1	**63 / 7.5**	<10 / **1.3**	<10 / **2.0**	NT	NT	<10 / <1.0	<10 / **2.1**	NT	NT
71	08/12	**13** / <5	**11** / <5	<10 / <5	<10 / <5	**12** / <5	**95 / 13**	NT	**21** / <5	**15** / <5	**72 / 15**	**11** / <5	**20** / <5	NT	NT	<10 / <5	**16** / <5	NT	NT
72	11/12	<10 / 3.5	<10 / **3**	<10 / **1.7**	<10 / **2.2**	<10 / **1.6**	**29 / 12**	NT	<10 / **2.9**	<10 / **3.2**	**41 / 7.4**	<10 / **2.6**	**12 / 6.3**	NT	NT	<10 / **2.4**	<10 / **3.2**	NT	<10 / **1.2**
73	08/13	**31 / 4.1**	**19 / 3.5**	**15 / 1.8**	<10 / **2.6**	**13 / 1.6**	**124 / 40**	NT	**25 / 4**	**22 / 4**	**94 / 9.4**	**25 / 4.7**	**17 / 3**	NT	NT	<10 / **2.7**	**25 / 5.2**	NT	NT
74	11/13	<10 / **2.7**	<10 / **2.3**	<10 / **2.3**	<10 / **2.5**	<10 / **2**	**50 / 14**	NT	**38 / 11**	<10 / **3.1**	**51 / 7.3**	<10 / **8.6**	<10 / **3.4**	NT	NT	<10 / **2.6**	<10 / **3.2**	NT	<10 / **1.8**
75	06/14	**19 / 4.6**	**16 / 1.9**	**13 / 1.5**	**13 / 2.1**	<10 / **1.4**	**31 / 16.6**	NT	**16 / 6.2**	**19 / 8.7**	**36 / 5.8**	<10 / **4.2**	**13 / 3.2**	NT	NT	<10 / **2.7**	**12 / 3.1**	NT	NT
76	08/14	**17 / 3.6**	<10 / **2.9**	**15 / 2.3**	<10 / **2.8**	<10 / **2**	**74 / 19**	NT	**20 / 5.5**	<10 / **3.5**	**48 / 6.3**	<10 / **19**	**26 / 5.8**	NT	NT	<10 / **3.5**	<10 / **3.3**	NT	NT
77	11/14	**31 / 6.1**	**14 / 2.5**	<10 / **1.6**	<10 / **2.4**	<10 / **1.4**	**19 / 11**	NT	**20 / 7.1**	**49 / 19**	**21 / 6.1**	**11 / 5.0**	**19 / 3.6**	NT	NT	<10 / **2.2**	**18 / 3.4**	NT	**25 / 1.3**
78	06/15	**22 / 2.6**	**21 / 3.3**	**12 / 1.6**	**12 /2.6**	**15 / 2.0**	**47 / 11**	NT	**21 / 4.7**	**26 / 4.4**	<10 / **5.4**	**13 / 2.9**	**36 / 3.3**	NT	NT	**14 / 2.6**	**13 / 2.6**	NT	**NT**

NOTE: Please refer to last page for table notes.

TABLE 5B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Nitrate**																	
Round Number	Sample Date	NH AGQS = 10 GZ-2L	GZ-3L	GZ-4L	GZ-8L	GZ-402L	GZ-405L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-701L	GZ-3B
Start of Bioremediation Pilot Test																			
17	07/97	<0.05	<0.05	NT	<0.05	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
18	12/97	**0.057**	**0.0596**	**0.0405**	**0.313**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
19	04/98	**0.32**	<0.05	<0.05	<0.05	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
20	07/98	<0.05	<0.05	<0.05	<0.05	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
21	11/98	<0.05	<0.05	<0.05	<0.05	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
22	3,5/99	<0.05	NT	**0.28**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
23	07/99	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
24	12/99	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
Start of Full-Scale Bioremediation																			
25	06/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
26	07/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
27	08/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
28	12/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
29	01/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
30	06-07/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
31	09-10/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
32	12/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
33	01/02	<0.005	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
34	02/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
35	06/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
36	10/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
37	01/03	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
38	07/03	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
39	12/03	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
40	02/04	<0.5	<0.5	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
41	06/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
42	08/04	<0.5	<0.5	<0.5	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
43	11/04	<0.5	<0.5	<0.5	<0.5	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
44	01/05	NT	NT	NT	NT	<0.5	<0.5	<0.5	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
45	06/05	<0.5	<0.5	<0.5	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
46	08/05	<0.5	<0.5	<0.5	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
47	11/05	<0.05	<0.05	**2**	NT	**0.08**	**1.9**	**0.05**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
48	12/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
49	05/06	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
50	06/06	<0.025	<0.15	<0.025	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
51	08/06	<0.01	**0.032**	<0.025	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
52	10/06	NT	NT	NT	NT	NT	NT	NT	NT	**0.049**	**0.18**	NT	NI	NI	NI	NI	NI	NI	NT
53	12/06	<0.1	<0.1	<0.1	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
55	02/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
56	05/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
57	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
58	08/07	<0.05	<0.05	<0.05	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
60	11/07	**0.12**	**0.041**	**0.078**	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
62	08/08	**0.21**	<0.025	**0.15**	NT	NT	0.5	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
63	11/08	**0.15**	**0.034**	**0.075**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
64	09/09	**0.12**	<0.1	<0.1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
65	11/09	**8**	<0.02	<0.02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
66	08/10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NT	NT	NT	<0.5	NT	<0.5	NT	NT	<0.5	<0.5	NT	NT
67	11/10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NT	NT	NT	<0.5	NT	<0.5	NT	NT	<0.5	<0.5	NT	NT
68	08/11	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	NT	NT	NT	<0.2	NT	<0.2	NT	NT	<0.2	<0.2	NT	NT
69	11-12/11	**2.6**	<0.2	<0.2	<0.2	<0.2	<0.2	NT	NT	NT	<0.2	NT	<0.2	NT	NT	<0.2	<0.2	NT	NT
70	06/12	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	NT	<0.2	<0.2	<0.2	<0.2	<0.2	NT	NT	<0.2	<0.2	NT	NT
71	8/12	<0.21	<0.21	<0.03	<0.21	<0.03	<0.21	NT	<0.03	<0.21	<0.03	<0.21	<0.03	NT	NT	<0.03	<0.03	NT	NT
72	11/12	**0.03**	<0.21	<0.21	**3.97**	**0.03**	<0.21	NT	<0.21	<0.21	<0.21	<0.21	<0.21	NT	NT	**0.03**	<0.21	NT	NT
73	08/13	<0.03	<0.03	<0.03	**0.034**	<0.03	<0.03	NT	<0.03	<0.03	<0.03	<0.03	<0.03	NT	NT	<0.03	<0.03	NT	NT
74	11/13	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	NT	<0.03	<0.03	< 0.11	<0.03	<0.03	NT	NT	<0.03	<0.03	NT	NT
75	06/14	**0.117**	<0.03	<0.03	<0.03	<0.03	<0.03	NT	<0.03	<0.03	<0.03	**0.092**	<0.03	NT	NT	<0.03	<0.03	NT	NT
76	08/14	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	NT	<0.03	<0.03	<0.03	<0.03	<0.03	NT	NT	<0.03	<0.03	NT	NT
77	11/14	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NT	<0.5	<0.5	<0.5	<0.5	<0.5	NT	NT	<0.5	<0.5	NT	NT
78	06/15	<0.03	<0.03	<0.03	**0.042**	<0.03	<0.03	NT	<0.03	<0.03	<0.03	<0.03	<0.03	NT	NT	<0.03	<0.03	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 5B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Sulfate**																	
Round Number	Sample Date	NH AGQS = 500 GZ-2L	GZ-3L	GZ-4L	GZ-8L	GZ-402L	GZ-405L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-701L	GZ-3B
Start of Bioremediation Pilot Test																			
17	07/97	**17**	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
18	12/97	**91.1**	<50.6	**50.7**	**13.6**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
19	04/98	**19**	<10	**51**	<10	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
20	07/98	**10**	<10	**53**	**16**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
21	11/98	<10	**27**	<10	**18**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
22	3,5/99	<10	NT	<10	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
23	07/99	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
24	12/99	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
Start of Full-Scale Bioremediation																			
25	06/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
26	07/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
27	08/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
28	12/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
29	01/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
30	06-07/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
31	09-10/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
32	12/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
33	01/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
34	02/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
35	06/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
36	10/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
37	01/03	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
38	07/03	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
39	12/03	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
40	02/04	<1	**3**	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
41	06/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
42	08/04	**1**	**13**	**31**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
43	11/04	<1	**15**	**31**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
44	01/05	NT	NT	NT	NT	**41**	**52**	**81**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
45	06/05	<1	**11**	**33**	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
46	08/05	<1	**22**	**33**	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
47	11/05	**1**	**5**	**34**	NT	**34**	**47**	**16**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
48	12/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
49	05/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
50	06/06	**0.54**	**9.8**	**27**	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
51	08/06	**0.8**	**23**	**37**	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
52	10/06	NT	NT	NT	NT	NT	NT	NT	NT	**32**	**56**	NT	NI	NI	NI	NI	NI	NI	NT
53	12/06	**0.41**	**2.2**	**29**	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
55	02/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
56	05/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
57	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
58	08/07	**0.23**	**19**	**26**	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
60	11/07	**0.85**	**14**	**25**	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
62	08/08	**0.48**	**12**	**27**	NT	NT	**20**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
63	11/08	**22**	**5.4**	**34**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
64	09/09	**0.79**	**16**	**27**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
65	11/09	**5.9**	**3.8**	**29**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
66	08/10	**5**	**19**	**31**	**23**	**39**	**1**	NT	NT	NT	**10**	NT	<1	NT	NT	**45**	**13**	NT	NT
67	11/10	**2**	**15**	**31**	**21**	**38**	**1**	NT	NT	NT	**10**	NT	**1**	NT	NT	**35**	**11**	NT	NT
68	08/11	**12**	**21**	**29**	**22**	**35**	<0.6	NT	NT	NT	**9.7**	NT	<0.6	NT	NT	**41**	**14**	NT	NT
69	11-12/11	**5.1**	**17**	**30**	**25**	**34**	**3.0**	NT	NT	NT	**9.2**	NT	**8.8**	NT	NT	**40**	**19**	NT	NT
70	06/12	**8.3**	**22.9**	**27.6**	**26.2**	**34.8**	**1.5**	NT	**37.4**	**8.6**	**9.5**	**17.0**	**4.5**	NT	NT	**39.1**	**18.3**	NT	NT
71	8/12	**17.9**	**43.0**	**11.8**	**31.5**	**38.0**	<5.0	NT	**41.3**	**28.7**	**60.9**	**23.0**	**64.3**	NT	NT	**52.2**	**63.0**	NT	NT
72	11/12	**18.1**	**13.2**	**24.5**	**24.8**	**28.9**	**5.33**	NT	**26.4**	<25	<25	**17.3**	**25.1**	NT	NT	**27.0**	<25	NT	NT
73	08/13	**8.48**	**19.4**	**26.3**	**19.3**	**28.8**	<5.0	NT	**27.5**	**10.8**	<5.0	**18.7**	**12.9**	NT	NT	**33.1**	**28.3**	NT	NT
74	11/13	**12.8**	**11.3**	**25.9**	**22**	**36.1**	<5.0	NT	**35.6**	**7.35**	<5.0	**22**	**9.52**	NT	NT	**35.7**	**18.8**	NT	NT
75	06/14	**6.29**	**17.8**	**29.9**	**23**	**29.8**	<5.0	NT	**34.1**	**13.1**	**6.4**	**16.4**	**16.5**	NT	NT	**39.2**	**22.6**	NT	NT
76	08/14	**22.2**	**28**	**31.9**	**22.8**	**38.5**	**9.32**	NT	**33.2**	**25.6**	**11.4**	**28.9**	**13.2**	NT	NT	**49.1**	**25.4**	NT	NT
77	11/14	**8.6**	**21.7**	**32.3**	**23.4**	**45.4**	**9.3**	NT	**20.6**	**25.0**	**7.7**	**27.6**	**7.8**	NT	NT	**45.8**	**23.0**	NT	NT
78	06/15	**19.6**	**29.7**	**42.0**	**21.8**	**45.5**	**17.6**	NT	**36.8**	**27.6**	**12.8**	**23.5**	**21.6**	NT	NT	**44.2**	**24.5**	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 5B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Dissolved Oxygen**																	
Round Number	Sample Date	NH AGQS/GW-2 = NA GZ-2L	GZ-3L	GZ-4L	GZ-8L	GZ-402L	GZ-405L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-701L	GZ-3B
Start of Bioremediation Pilot Test																			
17	07/97	3.3	0.2	7.1	4.3	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	2.7
18	12/97	0.0	0.0	2.9	2.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0
19	04/98	0.2	0.0	4.9	2.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	1.6
20	07/98	0.2	0.0	5.7	1.7	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0
21	11/98	0.0	0.0	0.0	4	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0
22	3,5/99	0.1	0.1	0.1	3.1	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.3
23	07/99	0.1	0.1	0.0	2	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.3
24	12/99	0.2	0.1	0.2	3.1	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.1
Start of Full-Scale Bioremediation																			
25	06/00	3.9	0.9	0.7	0.8	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.8
26	07/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
27	08/00	0.1	0.1	0.1	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.7
28	12/00	0.2	0.0	0.1	1.4	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.3
29	01/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
30	06-07/01	0.1	0.1	0.1	1.3	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.7
31	09-10/01	0.5	0.4	0.2	2.8	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
32	12/01	0.5	0.2	0.3	2.2	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.2
33	01/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
34	02/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
35	06/02	0.5	0.2	0.3	2.1	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.1
36	10/02	0.3	0.2	0.7	0.6	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.4
37	01/03	0.7	0.7	0.5	0.1	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.5
38	07/03	0.3	0.2	1.8	0.7	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.3
39	12/03	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
40	02/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
41	06/04	1.0	4.7	5.4	2.6	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
42	08/04	2.0	3.1	3.1	2.2	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
43	11/04	1.0	1.5	1.8	2.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
44	01/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
45	06/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
46	08/05	1.6	0.6	1.5	2.8	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.8
47	11/05	0.8	0.9	0.8	0.8	1.0	0.8	1.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.5
48	12/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
49	05/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
50	06/06	2.2	0.5	1.0	0.7	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
51	08/06	0.4	0.7	0.9	6.0	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
52	10/06	0.5	0.5	0.6	4.7	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
53	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
54	01/07	NT	NT	NT	NT	NT	0.3	NT	0.7	0.3	3.4	0.6	NI	NI	NI	NI	NI	NI	NT
55	02/07	NT	NT	NT	NT	NT	0.5	NT	0.5	0.5	0.5	0.5	NI	NI	NI	NI	NI	NI	NT
56	05/07	NT	NT	NT	NT	NT	0.4	NT	1.3	0.4	4.4	0.7	NI	NI	NI	NI	NI	NI	NT
57	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
58	08/07	0.7	0.6	1.0	1.3	NT	0.4	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	0.4
59	09/07	NT	NT	NT	1.2	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
60	11/07	2.4	2.1	5.6	NT	NT	1.1	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	3.3
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
62	08/08	3.4	0.4	0.8	2.6	NT	2.9	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	3.5
63	11/08	0.9	0.7	0.8	2.9	2.7	0.9	NT	NT	NT	0.8	NT	NT	NT	NT	NT	NT	NI	2.0
64	09/09	0.1	0.1	0.1	NT	NT	0.8	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
65	11/09	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
66	08/10	2.3	1.5	1.1	1.1	1.1	0.7	NT	NT	NT	0.4	NT	0.7	NT	NT	1.3	1.3	NT	0.9
67	11/10	0.3	0.7	0.8	0.9	0.6	0.4	NT	NT	NT	0.6	NT	0.8	NT	NT	1.2	0.6	NT	NT
68	08/11	1.1	0.9	0.9	1.0	1.1	NT	1.6	0.5	0.6	NT	NT	0.6	0.8	0.6	NT	NT	NT	NT
69	11-12/11	1.3	1.3	1.5	1.9	0.6	1.0 / 1.1	NT	1.3	1.0	0.9	1.3	1.2	NT	NT	1.8	0.8	NT	0.6
70	06/12	1.2	1.8	1.3	0.9	1.3	0.9	NT	1.1	1.8	0.8	1.9	0.6	NT	NT	0.8	0.8	NT	NT
71	8/12	1.3	0.6	1.3	2.2	1.0	1.9	NT	1.0	0.8	0.8	1.0	0.7	NT	NT	0.7	0.6	NT	NT
72	11/12	0.9	1.7	1.5	1.4	1.1	1.5	NT	1.3	1.2	1.0	1.2	0.6	NT	NT	1.5	1.1	NT	0.5
73	08/13	0.8	0.6	0.7	1.4	0.9	1.0	NT	1.0	0.7	0.4	0.7	0.3	NT	NT	0.4	0.6	NT	NT
74	11/13	1.6	1.5	1.4	1.4	1.2	1.4	NT	1.6	1.3	1.1	1.3	1.3	NT	NT	1.2	1.4	NT	1.2
75	06/14	1.0	0.8	1.2	1.2	0.9	0.9	NT	0.6	1.1	0.9	0.8	0.6	NT	NT	3.4	0.9	1.0	NT
76	08/14	1.0	1.4	1.9	2.2	1.1	0.8	NT	0.9	0.8	0.8	0.7	0.9	NT	NT	1.3	0.9	NT	NT
77	11/14	1.1	0.8	1.4	1.0	2.3	1.3	NT	0.9	0.8	1.1	1.0	1.1	NT	NT	1.3	0.9	1.2	0.4
78	06/15	0.6	0.7	1.4	0.7	0.9	0.8	NT	0.6	0.7	0.6	0.8	0.7	NT	NT	0.6	0.4	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 5B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Oxidation Reduction Potential (ORP)**																	
Round Number	Sample Date	NH AGQS/GW-2 = NA GZ-2L	GZ-3L	GZ-4L	GZ-8L	GZ-402L	GZ-405L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-701L	GZ-3B
Start of Bioremediation Pilot Test																			
17	07/97	+105	-50	+190	+105	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	45
18	12/97	-45	-65	+145	+90	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	-35
19	04/98	10	-55	+185	+100	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	+15
20	07/98	0	-70	+150	+110	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	-85
21	11/98	-50	-70	-20	+200	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	-85
22	3,5/99	-90	-80	-75	+135	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	-80
23	07/99	-110	-55	-85	+25	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	-35
24	12/99	-40	-45	-40	+175	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	-95
Start of Full-Scale Bioremediation																			
25	06/00	+200	-35	-60	-35	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	-45
26	07/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
27	08/00	-225	-290	-185	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	-90
28	12/00	-95	-285	-195	+25	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	-40
29	01/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
30	06-07/01	-225	-290	-185	+30	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	-90
31	09-10/01	-102	-95	-125	+19	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
32	12/01	+80	+130	+81	+40	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	+79
33	01/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
34	02/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
35	06/02	-20	-82	-79	+72	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	-189
36	10/02	-175	-320	-105	-155	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	-215
37	01/03	-300	-700	-106	-100	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	-200
38	07/03	-230	-297	+47	-125	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	-262
39	12/03	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
40	02/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
41	06/04	-40	-25	+120	+125	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
42	08/04	-20	-60	-60	+220	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
43	11/04	-15	-60	-50	+135	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
44	01/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
45	06/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
46	08/05	0	-45	+10	+130	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	-85
47	11/05	-20	-50	-15	+220	+65	+20	+150	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	+90
48	12/05	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
49	05/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
50	06/06	-5	-65	+25	+40	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
51	08/06	-65	NT	-45	+175	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
52	10/06	-55	NT	-25	+150	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
53	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
54	01/07	NT	NT	NT	NT	NT	+10	NT	+15	-15	+90	+25	NI	NI	NI	NI	NI	NI	NT
55	02/07	NT	NT	NT	NT	NT	+85	NT	+90	+140	+45	+110	NI	NI	NI	NI	NI	NI	NT
56	05/07	NT	NT	NT	NT	NT	-5	NT	+45	+60	+65	+90	NI	NI	NI	NI	NI	NI	NT
57	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
58	08/07	-55	-80	-60	+25	NT	-25	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	Out of Range
59	09/07	NT	NT	NT	-10	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
60	11/07	-55	+190	+115	NT	NT	+35	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	45
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
62	08/08	+5	+60	-5	+80	NT	+30	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	Out of Range
63	11/08	-58	-61	-45	+40	+30	-55	NT	NT	NT	-75	NT	NT	NT	NT	NT	NT	NI	+20
64	09/09	Out of Range	Out of Range	-80	NT	NT	5	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NT
65	11/09	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
66	08/10	-32	-17	-9	+158	+121	-48	NT	NT	NT	-44	NT	+11	NT	NT	-48	-100	NT	-25
67	11/10	+37	-50	-21	+142	+23	-52	NT	NT	NT	+6	NT	-47	NT	NT	+21	+50	NT	NT
68	08/11	+34	-67	-49	+110	+72	-54	+83	-33	-35	-45	NT	-97	+40	+35	-44	+73	NT	NT
69	11-12/11	+84	-24	-18	+142	+78	-27 / -17	NT	+159	+129	+68	+87	+17	NT	NT	+25	+27	NT	+16
70	06/12	-60	Out of Range	+25	+45	+60	Out of Range	NT	+55	-80	-65	-55	-75	NT	NT	-60	-65	NT	NT
71	08/12	-7	-55	-55	-6	+23	48	NT	-85	-71	-65	-83	-96	NT	NT	-68	+68	NT	NT
72	11/12	-15	-79	-66	+18	-8	-61	NT	-72	-85	-84	-89	-93	NT	NT	-81	-32	NT	-143
73	08/13	+5	-81	-85	+12	-21	-66	NT	-87	-101	-98	-25	-129	NT	NT	-62	-67	NT	NT
74	11/13	-22	-79	-55	+11	-19	-68	NT	-67	-85	-44	-59	-83	NT	NT	-65	-78	NT	-109
75	06/14	+27	-53	-24	+16	+5	+20	NT	-52	-71	-82	-1	-91	NT	NT	-77	-76	-18	NT
76	08/14	-2	-67	-47	-19	+2	-76	NT	-70	-87	-77	-40	-96	NT	NT	-105	-91	NT	NT
77	11/14	-19	-67	-22	-7	+1	-39	NT	-53	-68	-69	-49	-79	NT	NT	-52	-67	+40	-99
78	06/15	-10	-10	-10	-5	-40	-60	NT	-45	-75	-65	-25	-80	NT	NT	-35	-75	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 5B NOTES
SOUTHERN SITE PORTION, LOWER UNIT

Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Notes:

1. Sample Round Nos. 1 through 4, 6, and subsequent rounds were carried out by GZA GeoEnvironmental, Inc. (GZA). Sample Round No. 5 was carried out by the New Hampshire Department of Environmental Services (NHDES). Please refer to the analytical laboratory reports for additional information.
2. Concentration is in milligrams per liter (mg/L), which is equivalent to parts per million (ppm). Oxidation-reduction potential (ORP) is in millivolts (mV).
3. "<" indicates that the respective parameter was not detected above the associated analytical laboratory Reporting Limit (RL).
4. "OR" indicates that the respective parameter was out of range of the meter.
5. For the Chemical Oxygen Demand (COD)/Total Organic Carbon (TOC) table, where values for both parameters are available for a given sampling round, the COD value is provided first, followed by the TOC value (e.g., 520/180).
6. This table considers only those parameters that were analyzed for and detected. Please refer to current and past analytical laboratory reports for the complete list of analytes.
7. Baseline sampling rounds conducted from August 1987 through April 1997 prior to the start of the July 1997 bioremediation pilot test are not included on this table. Please refer to the 2009 Annual Summary Letter Report or earlier reports for analytical results during these early sampling rounds.
8. Wells which have not been sampled since 2007 or earlier are not included on this table. Please refer to past reports for analytical results for these wells.
9. "AGQS" refers to NHDES Ambient Groundwater Quality Standards (AGQS) included in Env-Or 603.03. "GW-2" refers to the Groundwater to Indoor Air Screening Levels included in Table 1 – Vapor intrusion Screening Levels of the Vapor Intrusion Guidance. "NA" indicates that the respective standard has not yet been established.
10. Values in **bold** were detected above the laboratory reporting limit; shading indicates exceedances of standards, or that the concentration was at the respective standard.
11. "NT" indicates respective parameter was not tested during the respective sample round. "NI" indicates the monitoring well was not yet installed on the respective date.
12. Dissolved oxygen and ORP analyses were performed in the field using parameter-specific electrodes.
13. Monitoring wells MW-1 through MW-8 were installed by Jacques Whitford Company, Inc. between January 14, 2002 and January 16, 2002.
14. During the August 2007 sampling round, 1,2,4-Trimethylbenzene (1,2,4-TMB) was detected at well GZ-2L at a concentration of 0.0012 mg/L.
15. During the August 2008 sampling round, 1,2-Dichlorobenzene (1,2-DCB) and 1,4-Dichlorobenzene (1,4-DCB) were detected at well GZ-3L at concentrations of 0.0016mg/L and 0.001mg/L, respectively.
16. Chloromethane was detected at well GZ-3B on November 20, 2008 at a concentration of 0.0021 mg/L.
17. During the August 2010 sampling round, acetone and 2-butanone (MEK) were detected at well GZ-606L at concentrations of 0.07 m/L and 0.12 mg/L respectively. 1,2-DCB was detected at well GZ-3L at a concentration of 0.001 mg/L. 1,2,4-TMB was detected at well GZ-2L at a concentration of 0.003 mg/L.
18. During the November 2010 sampling round, 1,2,4-TMB was detected at wells GZ-405L, GZ-2L, at concentrations of 0.003 mg/L, 0.002 mg/L, respectively.
19. During the August 2011 sampling round, 1,2,4-TMB was detected at well GZ-405L at a concentration of 0.01 mg/L. Acetone, 2-butanone (MEK), and methyl isobutyl ketone (MIBK) were detected at well GZ-606L at concentrations of 0.026 mg/L, 0.023 mg/L, and 0.011 mg/L, respectively.
20. During the November/December 2011 sampling round, 1,2,4-TMB and 1,2-DCB were detected at well GZ-3L at concentrations of 0.0028 mg/L and 0.0035 mg/L, respectively. Dichlorodifluoromethane was detected at well GZ-8L at a concentration of 0.0021 mg/L.
21. Well GZ-405L was sampled for all GMP specified parameters on November 30, 2011 for the November/December 2011 sampling round. A confirmatory sample for VOCs and field parameters was collected on December 9, 2011. Both results are included on Round 69 separated by a slash.

TABLE 5B NOTES
SOUTHERN SITE PORTION, LOWER UNIT

22. During the August 2012 sampling round, 1,2,4-TMB was detected at wells GZ-3L, GZ-609L and GZ-405L at concentrations of 0.0023 mg/L, 0.0073 mg/L, 0.0101 mg/L, respectively. 1,3,5-Trimethylbenzene (1,3,5-TMB) was detected at wells GZ-609L and GZ-405L at concentrations of 0.0021 mg/L, and 0.0036 mg/L, respectively. 1,2-DCB was detected at GZ-3L at 0.0014 mg/L. 1,4-DCB was detected at wells GZ-3L and GZ-609L at concentrations of 0.001 mg/L and 0.0015 mg/L, respectively. N-Propylbenzene was detected at wells GZ-609L and GZ-405L at concentrations of 0.0017 mg/L and 0.0024 mg/L, respectively. N-butylbenzene was detected at well GZ-405L at a concentration of 0.0011 mg/L.

23. During the November 2012 sampling round, 1,2,4-TMB was detected at GZ-405L at a concentration of 0.0042 mg/L. 1,3,5-TMB was detected at GZ-405L at a concentration of 0.0016 mg/L. 1,2-DCB was detected at GZ-3L at a concentration of 0.0012 mg/L. N-Propylbenzene was detected at GZ-405L at a concentration of 0.001 mg/L.

24. During the August 2013 sampling round, 1,2-DCB (0.001 mg/L) and 1,4-DCB (0.001 mg/L) were detected at well GZ-3L. 1,2,4-TMB (0.004 mg/L), 1,3,5-TMB (0.002 mg/L), carbon disulfide (0.009 mg/L), and n-propylbenzene (0.001 mg/L) were detected at well GZ-405L. Carbon disulfide was detected at well GZ-504L at a concentration of 0.001 mg/L. 1,2,4-TMB and 1,3,5-TMB were detected at well GZ-609L at concentrations of 0.003 mg/L and 0.001 mg/L. Carbon disulfide was detected in well GZ-610L at a concentration of 0.002 mg/L.

25. During the November 2013 sampling round, carbon disulfide was detected at well GZ-3L at a concentration of 0.0067 mg/L. 1,2,4-TMB (0.0033mg/L), 1,3,5-TMB (0.0014 mg/L), and carbon disulfide (0.0134 mg/L) were detected at well GZ-405L.

26. During the June 2014 sampling round, 1,2-DCB (0.002 mg/L) and 1,4-DCB (0.001 mg/L) were detected at well GZ-3L. 1,2,4-TMB (0.01 mg/L), 1,3,5-TMB (0.005 mg/L), carbon disulfide (0.01 mg/L), isopropylbenzene (0.001 mg/L), naphthalene (0.001 mg/L), and n-propylbenzene (0.002 mg/L) were detected at well GZ-405L. 1,2,4-TMB (0.006 mg/L), 1,3,5-TMB (0.002 mg/L), 1,4-DCB (0.002 mg/L), isopropylbenzene (0.001 mg/L), naphthalene (0.001 mg/L), and n-propylbenzene (0.002 mg/L) were detected at well GZ-609L.

27. During the August 2014 sampling round, 1,2-DCB (0.001 mg/L) was detected at well GZ-3L. 1,2,4-TMB (0.01 mg/L), 1,3,5-TMB (0.004 mg/L), isopropylbenzene (0.001 mg/L), naphthalene (0.001 mg/L), and n-propylbenzene (0.003 mg/L) were detected at well GZ-405L. 1,2,4-TMB (0.001 mg/L) was detected at well GZ-606L. 1,2,4-TMB (0.004 mg/L) and 1,3,5-TMB (0.001 mg/L), were detected at well GZ-609L.

28. During the November 2014 sampling round 1,2,4-TMB (0.006 mg/L), 1,3,5-TMB (0.002 mg/L), 1,4-DCB (0.001 mg/L), naphthalene (0.001 mg/L), and n-propylbenzene (0.001 mg/L) were detected at well GZ-2L. Carbon disulfide (0.06 mg/L) was detected at well GZ-3B. 1,2,4-TMB (0.002 mg/L) was detected at well GZ-606L. 1,2,4-TMB (0.005 mg/L), 1,3,5-TMB (0.002 mg/L), and n-propylbenzene (0.001 mg/L) were detected at well GZ-609L. Ethyl tertiary-butyl ether (0.003 mg/L) was detected at well GZ-701L.

29. During the June 2015 sampling round 1,2-dichlorobenzene (0.001 mg/L) was detected in well GZ-3L. 1,2,4-trimethylbenzene (0.001 mg/L) was detected in GZ-606L. 1,2,4-trimethylbenzene (0.009 mg/L), 1,3,5-trimethylbenzene (0.003 mg/L), 1,4-dichlorobenzene (0.001 mg/L), isopropylbenzene (0.001 mg/L), naphthalene (0.001 mg/L), and n-propylbenzene (0.002 mg/l) were detected in GZ-609L.

TABLE 5C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Tetrachloroethene**													
Round Number	Sample Date	NH AGQS = 0.005 GZ-9U	GZ-10U	GZ-409	GZ-616U	GZ-619U	GZ-620U	GZ-901U	GZ-902U	MW-1S	MW-3	MW-6	MW-7S	SW-1	WQCTS = 0.0008 SW-7
Start of Bioremediation Pilot Test															
17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
22	3,5/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
Start of Full-Scale Bioremediation															
25	06/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
26	07/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
27	08/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
28	12/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
29	01/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
30	06-07/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
31	09-10/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
32	12/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
33	01/02	<0.001	NT	NT	NI	NI	NI	NI	NI	<0.005	<0.001	<0.001	<0.001	<0.001	NT
34	02/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
35	06/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
36	10/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.002	NT
37	01/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
38	07/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.002	NT
39	12/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.002	NT
40	02/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
41	06/04	<0.002	NT	NT	NI	NI	NI	NI	NI	<0.002	<0.002	<0.002	<0.002	<0.002	NT
42	08/04	<0.002	NT	NT	NI	NI	NI	NI	NI	<0.002	<0.002	<0.002	<0.002	<0.002	NT
43	11/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.002	NT
44	01/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
45	06/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.002	NT
46	08/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.002	NT
47	11/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
48	12/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
49	05/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
50	06/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
51	08/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
52	10/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
53	12/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
54	01/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
55	02/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
56	05/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
57	07/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
58	08/07	NT	NT	<0.05	**0.46**	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
59	09/07	NT	NT	**0.0028**	NT	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
60	11/07	NT	NT	NT	NT	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
61	12/07	NT	NT	NT	NT	<0.001	<0.001	NI	NI	NT	NT	NT	NT	NT	NT
62	08/08	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	NT
63	11/08	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	NT
64	09/09	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	NT
65	11/09	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	NT
66	08/10	<0.002	NT	NT	<1.0	NT	NT	NI	NI	<0.002	NT	NT	NT	<0.002	<0.002
67	11/10	<0.002	NT	NT	<0.50	NT	NT	NI	NI	<0.002	NT	NT	NT	<0.002	<0.002
68	08/11	<0.001	NT	NT	<1.0	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
69	11-12/11	<0.001	NT	NT	**0.0061**	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	<0.001
70	06/12	<0.001	NT	NT	<0.25	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
71	08/12	<0.001	NT	NT	<0.1	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
72	11/12	<0.001	NT	NT	<0.1	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
73	08/13	<0.001	NT	NT	**0.2**	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
74	11/13	<0.001	NT	NT	**0.12**	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
75	06/14	<0.001	<0.001	**0.001**	**0.1**	NT	NT	**0.002**	<0.1	<0.001	NT	<0.001	NT	<0.001	<0.001
76	08/14	<0.001	<0.001	**0.002**	**0.2**	NT	NT	NT	NT	<0.001	NT	<0.001	NT	<0.001	<0.001
77	11/14	<0.001	<0.001	<0.1	<0.1	NT	NT	**0.001**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
78	06/15	<0.001	NT	NT	**0.1**	NT	NT	NT	NT	<0.01	NT	NT	NT	<0.001	<0.001

NOTE: Please refer to last page for table notes.

TABLE 5C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Trichloroethene**													
Round Number	Sample Date	NH AGQS = 0.005 GZ-9U	GW-2 = 0.020 GZ-10U	GZ-409	GZ-616U	GZ-619U	GZ-620U	GZ-901U	GZ-902U	MW-1S	MW-3	MW-6	MW-7S	SW-1	WQCTS = 0.0027 SW-7
Start of Bioremediation Pilot Test															
17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0052**	NT
19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0061**	NT
20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0031**	NT
22	3,5/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0013	NT
Start of Full-Scale Bioremediation															
25	06/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
26	07/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
27	08/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
28	12/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0014**	NT
29	01/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
30	06-07/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
31	09-10/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
32	12/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
33	01/02	<0.001	NT	NT	NI	NI	NI	NI	NI	**0.06**	0.0024	0.0016	<0.001	<0.001	NT
34	02/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
35	06/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
36	10/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.002	NT
37	01/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
38	07/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.002	NT
39	12/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.002	NT
40	02/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
41	06/04	<0.002	NT	NT	NI	NI	NI	NI	NI	**0.019**	<0.002	<0.002	<0.002	<0.002	NT
42	08/04	<0.002	NT	NT	NI	NI	NI	NI	NI	**0.022**	<0.002	<0.002	<0.002	<0.002	NT
43	11/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.002	NT
44	01/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
45	06/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.002	NT
46	08/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.002	NT
47	11/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
48	12/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
49	05/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
50	06/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
51	08/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
52	10/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
53	12/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
54	01/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
55	02/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
56	05/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
57	07/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
58	08/07	NT	NT	**0.081**	**120**	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
59	09/07	NT	NT	**0.32**	NT	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
60	11/07	NT	NT	NT	NT	NI	NI	NI	NI	NT	NT	NT	NT	**0.0013**	NT
61	12/07	NT	NT	NT	NT	**0.0036**	<0.001	NI	NI	NT	NT	NT	NT	NT	NT
62	08/08	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	NT
63	11/08	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	NT
64	09/09	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	NT
65	11/09	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	NT
66	08/10	<0.002	NT	NT	**78**	NT	NT	NI	NI	**0.003**	NT	NT	NT	<0.002	<0.002
67	11/10	<0.002	NT	NT	**84**	NT	NT	NI	NI	<0.002	NT	NT	NT	<0.002	<0.002
68	08/11	<0.001	NT	NT	**130**	NT	NT	NI	NI	**0.012**	NT	NT	NT	<0.001	<0.001
69	11-12/11	<0.001	NT	NT	**0.47**	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	<0.001
70	06/12	<0.001	NT	NT	**17.5**	NT	NT	NI	NI	**0.0052**	NT	NT	NT	<0.001	<0.001
71	08/12	<0.001	NT	NT	**27.8**	NT	NT	NI	NI	**0.0087**	NT	NT	NT	<0.001	<0.001
72	11/12	<0.001	NT	NT	**1.99**	NT	NT	NI	NI	**0.0125**	NT	NT	NT	<0.001	<0.001
73	08/13	<0.001	NT	NT	**45.2**	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
74	11/13	<0.001	NT	NT	**48.4**	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
75	06/14	<0.001	<0.001	**0.08**	**38.6**	NT	NT	**0.6**	**0.4**	<0.001	NT	<0.001	NT	<0.001	<0.001
76	08/14	<0.001	<0.001	**0.2**	**74.3**	NT	NT	NT	NT	**0.009**	NT	<0.001	NT	<0.001	<0.001
77	11/14	<0.001	<0.001	**0.3**	**48.4**	NT	NT	**0.7**	**0.3**	**0.001**	<0.001	<0.001	<0.001	<0.001	<0.001
78	06/15	<0.001	NT	NT	**43.6**	NT	NT	NT	NT	<0.01	NT	NT	NT	<0.001	<0.001

NOTE: Please refer to last page for table notes.

TABLE 5C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**1,1,1-Trichloroethane**													
Round Number	Sample Date	NH AGQS = 0.2 GZ-9U	GZ-10U	GZ-409	GZ-616U	GZ-619U	GZ-620U	GZ-901U	GZ-902U	MW-1S	MW-3	MW-6	MW-7S	SW-1	WQCTS = 0.001 SW-7
Start of Bioremediation Pilot Test															
17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
22	3,5/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
Start of Full-Scale Bioremediation															
25	06/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
26	07/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
27	08/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
28	12/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
29	01/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
30	06-07/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
31	09-10/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
32	12/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
33	01/02	<0.001	NT	NT	NI	NI	NI	NI	NI	**0.0098**	<0.001	<0.001	<0.001	<0.001	NT
34	02/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
35	06/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
36	10/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.002	NT
37	01/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
38	07/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.002	NT
39	12/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.002	NT
40	02/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
41	06/04	<0.002	NT	NT	NI	NI	NI	NI	NI	<0.002	<0.002	<0.002	<0.002	<0.002	NT
42	08/04	<0.002	NT	NT	NI	NI	NI	NI	NI	<0.002	<0.002	<0.002	<0.002	<0.002	NT
43	11/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.002	NT
44	01/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
45	06/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.002	NT
46	08/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.002	NT
47	11/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
48	12/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
49	05/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
50	06/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
51	08/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
52	10/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
53	12/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
54	01/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
55	02/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
56	05/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
57	07/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
58	08/07	NT	NT	<0.05	**10**	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
59	09/07	NT	NT	**0.0028**	NT	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
60	11/07	NT	NT	NT	NT	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
61	12/07	NT	NT	NT	NT	<0.001	<0.001	NI	NI	NT	NT	NT	NT	NT	NT
62	08/08	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	NT
63	11/08	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	NT
64	09/09	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	NT
65	11/09	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	NT
66	08/10	<0.002	NT	NT	**6**	NT	NT	NI	NI	<0.002	NT	NT	NT	<0.002	<0.002
67	11/10	<0.002	NT	NT	**7.1**	NT	NT	NI	NI	<0.002	NT	NT	NT	<0.002	<0.002
68	08/11	<0.001	NT	NT	**15**	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
69	11-12/11	<0.001	NT	NT	**0.014**	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	<0.001
70	06/12	<0.001	NT	NT	**1.38**	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
71	08/12	<0.001	NT	NT	**3.26**	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
72	11/12	<0.001	NT	NT	<0.1	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
73	08/13	<0.001	NT	NT	**5.6**	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
74	11/13	<0.001	NT	NT	**6.11**	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
75	06/14	<0.001	<0.001	**0.003**	**3.4**	NT	NT	**0.01**	<0.1	<0.001	NT	<0.001	NT	<0.001	<0.001
76	08/14	<0.001	<0.001	**0.08**	**6.0**	NT	NT	NT	NT	<0.001	NT	<0.001	NT	<0.001	<0.001
77	11/14	<0.001	<0.001	**0.2**	**4.2**	NT	NT	**0.01**	**0.02**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
78	06/15	<0.001	NT	NT	**3.9**	NT	NT	NT	NT	<0.001	NT	NT	NT	<0.001	<0.001

NOTE: Please refer to last page for table notes.

TABLE 5C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Total 1,2-Dichloroethenes**													
Round Number	Sample Date	NH AGQS = 0.07 GZ-9U	GW-2 = 0.560 GZ-10U	GZ-409	GZ-616U	GZ-619U	GZ-620U	GZ-901U	GZ-902U	MW-1S	MW-3	MW-6	MW-7S	SW-1	WQCTS = 0.7 SW-7
Start of Bioremediation Pilot Test															
17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.003	NT
18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0036**	NT
19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0063**	NT
20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.003	NT
21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0014**	NT
22	3,5/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	NT
23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.003	NT
24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0012**	NT
Start of Full-Scale Bioremediation															
25	06/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0015**	NT
26	07/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
27	08/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	NT
28	12/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	NT
29	01/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
30	06-07/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	NT
31	09-10/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	NT
32	12/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	NT
33	01/02	<0.001	NT	NT	NI	NI	NI	NI	NI	**0.816**	0.0023	0.0014	<0.001	<0.002	NT
34	02/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
35	06/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.002	NT
36	10/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.004	NT
37	01/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
38	07/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.004	NT
39	12/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.004	NT
40	02/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
41	06/04	<0.002	NT	NT	NI	NI	NI	NI	NI	**0.06**	<0.002	<0.002	<0.002	<0.002	NT
42	08/04	**0.003**	NT	NT	NI	NI	NI	NI	NI	**0.087**	<0.002	<0.002	<0.002	<0.002	NT
43	11/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.002	NT
44	01/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
45	06/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.002	NT
46	08/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.002	NT
47	11/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
48	12/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
49	05/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
50	06/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.002	NT
51	08/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
52	10/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
53	12/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.002	NT
54	01/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
55	02/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
56	05/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
57	07/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
58	08/07	NT	NT	**0.2**	**22**	NI	NI	NI	NI	NT	NT	NT	NT	<0.002	NT
59	09/07	NT	NT	**0.6327**	NT	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
60	11/07	NT	NT	NT	NT	NI	NI	NI	NI	NT	NT	NT	NT	<0.002	NT
61	12/07	NT	NT	NT	NT	<0.002	**0.0016**	NI	NI	NT	NT	NT	NT	NT	NT
62	08/08	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.002	NT
63	11/08	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.002	NT
64	09/09	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.002	NT
65	11/09	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.002	NT
66	08/10	**0.062**	NT	NT	**16**	NT	NT	NI	NI	**0.01**	NT	NT	NT	<0.002	**0.005**
67	11/10	**0.047**	NT	NT	**12**	NT	NT	NI	NI	**0.005**	NT	NT	NT	<0.002	<0.002
68	08/11	**0.040**	NT	NT	**37**	NT	NT	NI	NI	**0.059**	NT	NT	NT	<0.001	<0.001
69	11-12/11	<0.001	NT	NT	**0.043**	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	<0.001
70	06/12	<0.001	NT	NT	**3.18**	NT	NT	NI	NI	**0.0384**	NT	NT	NT	<0.001	<0.001
71	08/12	**0.0028**	NT	NT	**6.99**	NT	NT	NI	NI	**0.0522**	NT	NT	NT	<0.001	<0.001
72	11/12	**0.0024**	NT	NT	**0.4**	NT	NT	NI	NI	**0.0811**	NT	NT	NT	<0.001	<0.001

Laboratory results for monitoring rounds after 2012 reported as separate isomers (cis and trans) on the following pages

NOTE: Please refer to last page for table notes.

TABLE 5C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**cis-1,2-Dichloroethene**													
Round Number	Sample Date	NH AGQS = 0.07 GZ-9U	GZ-10U	GZ-409	GZ-616U	GZ-619U	GZ-620U	GZ-901U	GZ-902U	MW-1S	MW-3	MW-6	MW-7S	SW-1	WQCTS = 0.7 SW-7
Laboratory results for monitoring rounds prior to 2013 reported as Total 1,2-dichloroethenes on page 4															
73	08/13	**0.002**	NT	NT	**22.1**	NT	NT	NI	NI	**0.03**	NT	NT	NT	<0.001	<0.001
74	11/13	**0.0244**	NT	NT	**9.47**	NT	NT	NI	NI	**0.0055**	NT	NT	NT	<0.001	<0.001
75	06/14	<0.001	<0.001	**0.6**	**8.1**	NT	NT	**0.2**	**3.5**	**0.08**	NT	<0.001	NT	<0.001	**0.001**
76	08/14	**0.03**	<0.001	**4.7**	**20.6**	NT	NT	NT	NT	**0.05**	NT	<0.001	NT	<0.001	<0.001
77	11/14	**0.02**	<0.001	**13.4**	**10.2**	NT	NT	**0.4**	**6.3**	**0.005**	<0.001	**0.002**	<0.001	<0.001	**0.001**
78	06/15	**0.007**	NT	NT	**12.2**	NT	NT	NT	NT	**0.09**	NT	NT	NT	<0.001	**0.001**

NOTE: Please refer to last page for table notes.

TABLE 5C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**trans-1,2-Dichloroethene**													
Round Number	Sample Date	NH AGQS = 0.100 GZ-9U	GZ-10U	GZ-409	GZ-616U	GZ-619U	GZ-620U	GZ-901U	GZ-902U	MW-1S	MW-3	MW-6	MW-7S	SW-1	WQCTS = 0.7 SW-7
Laboratory results for monitoring rounds prior to 2013 reported as Total 1,2-dichloroethenes on page 4															
73	08/13	<0.001	NT	NT	<0.1	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
74	11/13	<0.001	NT	NT	<0.1	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
75	06/14	<0.001	<0.001	**0.002**	<0.1	NT	NT	**0.001**	<0.1	**0.001**	NT	<0.001	NT	<0.001	<0.001
76	08/14	<0.001	<0.001	**0.05**	<0.1	NT	NT	NT	NT	<0.001	NT	<0.001	NT	<0.001	<0.001
77	11/14	<0.001	<0.001	<0.1	<0.1	NT	NT	**0.002**	**0.05**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
78	06/15	<0.001	NT	NT	**0.04**	NT	NT	NT	NT	<0.01	NT	NT	NT	<0.001	<0.001

NOTE: Please refer to last page for table notes.

TABLE 5C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**1,2-Dichloroethane**													
Round Number	Sample Date	NH AGQS = 0.005 GZ-9U	GW-2 = 0.050 GZ-10U	GZ-409	GZ-616U	GZ-619U	GZ-620U	GZ-901U	GZ-902U	MW-1S	MW-3	MW-6	MW-7S	SW-1	WQCTS = 0.00038 SW-7
Start of Bioremediation Pilot Test															
17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
22	3,5/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
Start of Full-Scale Bioremediation															
25	06/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
26	07/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
27	08/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
28	12/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
29	01/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
30	06-07/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
31	09-10/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
32	12/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
33	01/02	<0.001	NT	NT	NI	NI	NI	NI	NI	<0.005	<0.001	<0.001	<0.001	<0.001	NT
34	02/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
35	06/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
36	10/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.002	NT
37	01/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
38	07/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.002	NT
39	12/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.002	NT
40	02/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
41	06/04	<0.002	NT	NT	NI	NI	NI	NI	NI	<0.002	<0.002	<0.002	<0.002	<0.002	NT
42	08/04	<0.002	NT	NT	NI	NI	NI	NI	NI	<0.002	<0.002	<0.002	<0.002	<0.002	NT
43	11/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.002	NT
44	01/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
45	06/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.002	NT
46	08/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.002	NT
47	11/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
48	12/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
49	05/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
50	06/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
51	08/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
52	10/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
53	12/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
54	01/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
55	02/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
56	05/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
57	07/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
58	08/07	NT	NT	<0.05	<0.25	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
59	09/07	NT	NT	<0.0025	NT	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
60	11/07	NT	NT	NT	NT	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
61	12/07	NT	NT	NT	NT	<0.001	<0.001	NI	NI	NT	NT	NT	NT	NT	NT
62	08/08	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	NT
63	11/08	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	NT
64	09/09	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	NT
65	11/09	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	NT
66	08/10	<0.002	NT	NT	<1.0	NT	NT	NI	NI	<0.002	NT	NT	NT	<0.002	<0.002
67	11/10	<0.002	NT	NT	<0.50	NT	NT	NI	NI	<0.002	NT	NT	NT	<0.002	<0.002
68	08/11	<0.001	NT	NT	<1.0	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
69	11-12/11	<0.001	NT	NT	<0.005	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	<0.001
70	06/12	<0.001	NT	NT	<0.25	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
71	08/12	<0.001	NT	NT	<0.1	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
72	11/12	<0.001	NT	NT	<0.1	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
73	08/13	<0.001	NT	NT	<0.1	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
74	11/13	<0.001	NT	NT	<0.1	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
75	06/14	<0.001	<0.001	<0.001	<0.1	NT	NT	<0.001	<0.1	<0.001	NT	<0.001	NT	<0.001	<0.001
76	08/14	<0.001	<0.001	<0.001	<0.1	NT	NT	NT	NT	<0.001	NT	<0.001	NT	<0.001	<0.001
77	11/14	<0.001	<0.001	<0.1	<0.1	NT	NT	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
78	06/15	<0.001	NT	NT	<0.001	0	NT	NT	NT	<0.01	NT	NT	NT	<0.001	<0.001

NOTE: Please refer to last page for table notes.

TABLE 5C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**1,1-Dichloroethene**													
Round Number	Sample Date	NH AGQS = 0.007 GZ-9U	GW-2 = 0.630 GZ-10U	GZ-409	GZ-616U	GZ-619U	GZ-620U	GZ-901U	GZ-902U	MW-1S	MW-3	MW-6	MW-7S	SW-1	WQCTS = 0.000057 SW-7
Start of Bioremediation Pilot Test															
17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
22	3,5/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
Start of Full-Scale Bioremediation															
25	06/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
26	07/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
27	08/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
28	12/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
29	01/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
30	06-07/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
31	09-10/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
32	12/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
33	01/02	<0.001	NT	NT	NI	NI	NI	NI	NI	<0.005	<0.001	<0.001	<0.001	<0.001	NT
34	02/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
35	06/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
36	10/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
37	01/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
38	07/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
39	12/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
40	02/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
41	06/04	<0.001	NT	NT	NI	NI	NI	NI	NI	<0.001	<0.001	<0.001	<0.002	<0.001	NT
42	08/04	<0.001	NT	NT	NI	NI	NI	NI	NI	<0.001	<0.001	<0.001	<0.001	<0.001	NT
43	11/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
44	01/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
45	06/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
46	08/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
47	11/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
48	12/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
49	05/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
50	06/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
51	08/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
52	10/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
53	12/06	NT	0.0017	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
54	01/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
55	02/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
56	05/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
57	07/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
58	08/07	NT	NT	<0.05	<0.25	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
59	09/07	NT	NT	**0.0046**	NT	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
60	11/07	NT	NT	NT	NT	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
61	12/07	NT	NT	NT	NT	<0.001	<0.001	NI	NI	NT	NT	NT	NT	NT	NT
62	08/08	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	NT
63	11/08	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	NT
64	09/09	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	NT
65	11/09	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	NT
66	08/10	<0.001	NT	NT	<1.0	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
67	11/10	<0.001	NT	NT	<0.50	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
68	08/11	<0.001	NT	NT	<1.0	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
69	11-12/11	<0.001	NT	NT	<0.005	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	<0.001
70	06/12	<0.001	NT	NT	<0.25	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
71	08/12	<0.001	NT	NT	<0.1	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
72	11/12	<0.001	NT	NT	<0.1	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
73	08/13	<0.001	NT	NT	**0.2**	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
74	11/13	<0.001	NT	NT	**0.18**	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
75	06/14	<0.001	<0.001	**0.003**	**0.1**	NT	NT	**0.006**	<0.1	<0.001	NT	<0.001	NT	<0.001	<0.001
76	08/14	<0.001	<0.001	**0.02**	**0.2**	NT	NT	NT	NT	<0.001	NT	<0.001	NT	<0.001	<0.001
77	11/14	<0.001	<0.001	<0.1	**0.1**	NT	NT	**0.006**	**0.04**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
78	06/15	<0.001	NT	NT	**0.2**	NT	NT	NT	NT	<0.01	NT	NT	NT	<0.001	<0.001

NOTE: Please refer to last page for table notes.

TABLE 5C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**1,1-Dichloroethane**													
Round Number	Sample Date	NH AGQS = 0.081 GZ-9U	GW-2 = 0.130 GZ-10U	GZ-409	GZ-616U	GZ-619U	GZ-620U	GZ-901U	GZ-902U	MW-1S	MW-3	MW-6	MW-7S	SW-1	WQCTS = NA SW-7
Start of Bioremediation Pilot Test															
17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
22	3,5/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
Start of Full-Scale Bioremediation															
25	06/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
26	07/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
27	08/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
28	12/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
29	01/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
30	06-07/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
31	09-10/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
32	12/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
33	01/02	**0.0031**	NT	NT	NI	NI	NI	NI	NI	**0.015**	<0.001	<0.001	<0.001	<0.001	NT
34	02/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
35	06/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
36	10/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.002	NT
37	01/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
38	07/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.002	NT
39	12/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.002	NT
40	02/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
41	06/04	<0.002	NT	NT	NI	NI	NI	NI	NI	**0.01**	<0.002	<0.002	<0.002	<0.002	NT
42	08/04	<0.002	NT	NT	NI	NI	NI	NI	NI	**0.006**	<0.002	<0.002	<0.002	<0.002	NT
43	11/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.002	NT
44	01/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
45	06/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.002	NT
46	08/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.002	NT
47	11/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
48	12/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
49	05/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
50	06/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
51	08/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
52	10/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
53	12/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
54	01/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
55	02/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
56	05/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
57	07/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
58	08/07	NT	NT	<0.05	<0.25	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
59	09/07	NT	NT	**0.0079**	NT	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
60	11/07	NT	NT	NT	NT	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
61	12/07	NT	NT	NT	NT	<0.001	<0.001	NI	NI	NT	NT	NT	NT	NT	NT
62	08/08	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	NT
63	11/08	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	NT
64	09/09	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	NT
65	11/09	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	NT
66	08/10	**0.002**	NT	NT	<1.0	NT	NT	NI	NI	**0.002**	NT	NT	NT	<0.002	<0.002
67	11/10	<0.002	NT	NT	<0.50	NT	NT	NI	NI	<0.002	NT	NT	NT	<0.002	<0.002
68	08/11	**0.0017**	NT	NT	<1.0	NT	NT	NI	NI	**0.0029**	NT	NT	NT	<0.001	<0.001
69	11-12/11	<0.001	NT	NT	<0.005	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	<0.001
70	06/12	<0.001	NT	NT	<0.25	NT	NT	NI	NI	**0.0042**	NT	NT	NT	<0.001	<0.001
71	08/12	<0.001	NT	NT	<0.1	NT	NT	NI	NI	**0.0027**	NT	NT	NT	<0.001	<0.001
72	11/12	<0.001	NT	NT	<0.1	NT	NT	NI	NI	**0.0037**	NT	NT	NT	<0.001	<0.001
73	08/13	<0.001	NT	NT	<0.1	NT	NT	NI	NI	**0.004**	NT	NT	NT	<0.001	<0.001
74	11/13	**0.0012**	NT	NT	<0.1	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
75	06/14	<0.001	<0.001	**0.006**	<0.1	NT	NT	**0.003**	<0.1	**0.007**	NT	<0.001	NT	<0.001	<0.001
76	08/14	**0.002**	<0.001	**0.04**	<0.1	NT	NT	NT	NT	**0.003**	NT	<0.001	NT	<0.001	<0.001
77	11/14	<0.001	<0.001	**0.1**	<0.1	NT	NT	**0.004**	**0.06**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
78	06/15	<0.001	NT	NT	**0.03**	NT	NT	NT	NT	<0.01	NT	NT	NT	<0.001	<0.001

NOTE: Please refer to last page for table notes.

TABLE 5C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Vinyl Chloride**													
Round Number	Sample Date	NH AGQS = 0.002 GZ-9U	GW-2 = 0.004 GZ-10U	GZ-409	GZ-616U	GZ-619U	GZ-620U	GZ-901U	GZ-902U	MW-1S	MW-3	MW-6	MW-7S	SW-1	WQCTS = 0.002 SW-7
Start of Bioremediation Pilot Test															
17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
22	3,5/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
Start of Full-Scale Bioremediation															
25	06/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
26	07/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
27	08/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
28	12/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01	NT
29	01/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
30	06-07/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
31	09-10/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
32	12/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
33	01/02	<0.001	NT	NT	NI	NI	NI	NI	NI	**0.2**	<0.001	<0.001	<0.001	<0.001	NT
34	02/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
35	06/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
36	10/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.002	NT
37	01/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
38	07/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.002	NT
39	12/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.002	NT
40	02/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
41	06/04	<0.002	NT	NT	NI	NI	NI	NI	NI	**0.005**	<0.002	<0.002	<0.002	<0.002	NT
42	08/04	<0.002	NT	NT	NI	NI	NI	NI	NI	**0.007**	<0.002	<0.002	<0.002	<0.002	NT
43	11/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.002	NT
44	01/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
45	06/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.002	NT
46	08/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.002	NT
47	11/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
48	12/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
49	05/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
50	06/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
51	08/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
52	10/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
53	12/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
54	01/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
55	02/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
56	05/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
57	07/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
58	08/07	NT	NT	<0.05	<0.0025	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
59	09/07	NT	NT	**0.0033**	NT	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
60	11/07	NT	NT	NT	NT	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
61	12/07	NT	NT	NT	NT	<0.001	<0.001	NI	NI	NT	NT	NT	NT	NT	NT
62	08/08	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	NT
63	11/08	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	NT
64	09/09	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	NT
65	11/09	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	NT
66	08/10	<0.002	NT	NT	<2.0	NT	NT	NI	NI	<0.002	NT	NT	NT	<0.002	<0.002
67	11/10	**0.006**	NT	NT	<1.0	NT	NT	NI	NI	**0.002**	NT	NT	NT	<0.002	<0.002
68	08/11	**0.0061**	NT	NT	<1.0	NT	NT	NI	NI	**0.0044**	NT	NT	NT	<0.001	<0.001
69	11-12/11	<0.001	NT	NT	<0.005	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	<0.001
70	06/12	<0.001	NT	NT	<0.25	NT	NT	NI	NI	**0.0042**	NT	NT	NT	<0.001	<0.001
71	08/12	<0.001	NT	NT	<0.1	NT	NT	NI	NI	**0.003**	NT	NT	NT	<0.001	<0.001
72	11/12	<0.001	NT	NT	<0.1	NT	NT	NI	NI	**0.0116**	NT	NT	NT	<0.001	<0.001
73	08/13	**0.002**	NT	NT	<0.1	NT	NT	NI	NI	**0.003**	NT	NT	NT	<0.001	<0.001
74	11/13	**0.0036**	NT	NT	<0.1	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
75	06/14	<0.001	<0.001	<0.001	<0.1	NT	NT	**0.005**	<0.1	**0.03**	NT	<0.001	NT	<0.001	<0.001
76	08/14	**0.006**	<0.001	**0.006**	<0.1	NT	NT	NT	NT	**0.006**	NT	<0.001	NT	<0.001	<0.001
77	11/14	**0.001**	<0.001	<0.1	<0.1	NT	NT	**0.008**	**0.2**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
78	06/15	<0.001	NT	NT	**0.02**	NT	NT	NT	NT	**0.02**	NT	NT	NT	<0.001	<0.001

NOTE: Please refer to last page for table notes.

TABLE 5C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Methylene Chloride (Dichloromethane)**													
Round Number	Sample Date	NH AGQS = 0.005 GZ-9U	GW-2 = 24.0 GZ-10U	GZ-409	GZ-616U	GZ-619U	GZ-620U	GZ-901U	GZ-902U	MW-1S	MW-3	MW-6	MW-7S	SW-1	WQCTS = 0.0047 SW-7
Start of Bioremediation Pilot Test															
17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
22	3,5/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
Start of Full-Scale Bioremediation															
25	06/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
26	07/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
27	08/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
28	12/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01	NT
29	01/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
30	06-07/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
31	09-10/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
32	12/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
33	01/02	<0.004	NT	NT	NI	NI	NI	NI	NI	<0.012	<0.005	<0.004	<0.004	<0.004	NT
34	02/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
35	06/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
36	10/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.005	NT
37	01/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
38	07/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.005	NT
39	12/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.005	NT
40	02/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
41	06/04	<0.005	NT	NT	NI	NI	NI	NI	NI	<0.005	<0.005	<0.005	<0.005	<0.005	NT
42	08/04	<0.005	NT	NT	NI	NI	NI	NI	NI	<0.005	<0.005	<0.005	<0.005	<0.005	NT
43	11/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.005	NT
44	01/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
45	06/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.005	NT
46	08/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.005	NT
47	11/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
48	12/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
49	05/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
50	06/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
51	08/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
52	10/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
53	12/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
54	01/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
55	02/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
56	05/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
57	07/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
58	08/07	NT	NT	<0.05	<0.25	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
59	09/07	NT	NT	<0.0025	NT	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
60	11/07	NT	NT	NT	NT	NI	NI	NI	NI	NT	NT	NT	NT	<0.002	NT
61	12/07	NT	NT	NT	NT	<0.002	<0.002	NI	NI	NT	NT	NT	NT	NT	NT
62	08/08	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.002	NT
63	11/08	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.002	NT
64	09/09	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	NT
65	11/09	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.002	NT
66	08/10	<0.005	NT	NT	<5.0	NT	NT	NI	NI	<0.005	NT	NT	NT	<0.005	<0.005
67	11/10	<0.005	NT	NT	<3.0	NT	NT	NI	NI	<0.005	NT	NT	NT	<0.005	<0.005
68	08/11	<0.002	NT	NT	<2.0	NT	NT	NI	NI	<0.002	NT	NT	NT	<0.002	<0.002
69	11-12/11	<0.002	NT	NT	<0.010	NT	NT	NI	NI	NT	NT	NT	NT	<0.002	<0.002
70	06/12	<0.002	NT	NT	<0.25	NT	NT	NI	NI	<0.002	NT	NT	NT	<0.002	<0.002
71	08/12	<0.004	NT	NT	<0.4	NT	NT	NI	NI	<0.004	NT	NT	NT	<0.004	<0.004
72	11/12	<0.004	NT	NT	<0.4	NT	NT	NI	NI	<0.004	NT	NT	NT	<0.004	<0.004
73	08/13	<0.004	NT	NT	<0.4	NT	NT	NI	NI	<0.004	NT	NT	NT	<0.004	<0.004
74	11/13	<0.004	NT	NT	<0.4	NT	NT	NI	NI	<0.004	NT	NT	NT	<0.004	<0.004
75	06/14	<0.004	<0.001	<0.004	<0.4	NT	NT	<0.004	<0.4	<0.004	NT	<0.004	NT	<0.004	<0.004
76	08/14	<0.004	<0.004	<0.004	<0.4	NT	NT	NT	NT	<0.004	NT	<0.004	NT	<0.004	<0.004
77	11/14	<0.004	<0.004	<0.4	<0.4	NT	NT	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
78	06/15	<0.004	NT	NT	<0.004	NT	NT	NT	NT	<0.04	NT	NT	NT	<0.004	<0.004

NOTE: Please refer to last page for table notes.

TABLE 5C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Chloroform (Trichloromethane)**													
Round Number	Sample Date	NH AGQS = 0.07 GZ-9U	GZ-10U	GZ-409	GZ-616U	GZ-619U	GZ-620U	GZ-901U	GZ-902U	MW-1S	MW-3	MW-6	MW-7S	SW-1	WQCTS = 0.0057 SW-7
Start of Bioremediation Pilot Test															
17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
22	3,5/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
Start of Full-Scale Bioremediation															
25	06/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
26	07/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
27	08/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
28	12/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
29	01/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
30	06-07/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
31	09-10/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
32	12/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
33	01/02	<0.001	NT	NT	NI	NI	NI	NI	NI	<0.005	<0.001	<0.001	<0.001	<0.001	NT
34	02/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
35	06/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
36	10/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.002	NT
37	01/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
38	07/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.002	NT
39	12/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.002	NT
40	02/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
41	06/04	<0.002	NT	NT	NI	NI	NI	NI	NI	<0.002	<0.002	<0.002	<0.002	<0.002	NT
42	08/04	<0.002	NT	NT	NI	NI	NI	NI	NI	<0.002	<0.002	<0.002	<0.002	<0.002	NT
43	11/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.002	NT
44	01/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
45	06/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
46	08/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
47	11/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
48	12/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
49	05/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
50	06/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
51	08/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
52	10/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
53	12/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
54	01/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
55	02/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
56	05/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
57	07/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
58	08/07	NT	NT	<0.05	NT	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
59	09/07	NT	NT	<0.0025	NT	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
60	11/07	NT	NT	NT	NT	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
61	12/07	NT	NT	NT	NT	<0.001	<0.001	NI	NI	NT	NT	NT	NT	NT	NT
62	08/08	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	NT
63	11/08	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	NT
64	09/09	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	NT
65	11/09	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	NT
66	08/10	<0.002	NT	NT	<1.0	NT	NT	NI	NI	<0.002	NT	NT	NT	<0.002	<0.002
67	11/10	<0.002	NT	NT	<0.50	NT	NT	NI	NI	<0.002	NT	NT	NT	<0.002	<0.002
68	08/11	<0.001	NT	NT	<1.0	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
69	11-12/11	<0.001	NT	NT	<0.005	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	<0.001
70	06/12	<0.001	NT	NT	<0.25	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
71	08/12	<0.001	NT	NT	<0.1	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
72	11/12	<0.001	NT	NT	<0.1	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
73	08/13	<0.001	NT	NT	<0.1	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
74	11/13	<0.001	NT	NT	<0.1	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
75	06/14	<0.001	<0.001	<0.001	<0.1	NT	NT	<0.001	<0.1	**0.002**	NT	<0.001	NT	<0.001	<0.001
76	08/14	<0.001	<0.001	<0.001	<0.1	NT	NT	NT	NT	<0.001	NT	<0.001	NT	<0.001	<0.001
77	11/14	<0.001	<0.001	<0.1	<0.1	NT	NT	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
78	06/15	<0.001	NT	NT	**0.002**	NT	NT	NT	NT	<0.01	NT	NT	NT	<0.001	<0.001

NOTE: Please refer to last page for table notes.

TABLE 5C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Chloroethane**													
Round Number	Sample Date	NH AGQS/GW-2 = NA													WQCTS = NA
		GZ-9U	GZ-10U	GZ-409	GZ-616U	GZ-619U	GZ-620U	GZ-901U	GZ-902U	MW-1S	MW-3	MW-6	MW-7S	SW-1	SW-7
Start of Bioremediation Pilot Test															
17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
22	3,5/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
Start of Full-Scale Bioremediation															
25	06/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
26	07/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
27	08/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
28	12/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01	NT
29	01/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
30	06-07/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
31	09-10/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
32	12/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
33	01/02	<0.002	NT	NT	NI	NI	NI	NI	NI	<0.01	<0.002	<0.002	<0.002	<0.002	NT
34	02/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
35	06/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
36	10/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.002	NT
37	01/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
38	07/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.005	NT
39	12/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.005	NT
40	02/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
41	06/04	<0.005	NT	NT	NI	NI	NI	NI	NI	<0.005	<0.005	<0.005	<0.005	<0.005	NT
42	08/04	<0.005	NT	NT	NI	NI	NI	NI	NI	<0.005	<0.005	<0.005	<0.005	<0.005	NT
43	11/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.005	NT
44	01/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
45	06/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.005	NT
46	08/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.005	NT
47	11/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
48	12/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
49	05/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
50	06/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
51	08/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
52	10/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
53	12/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
54	01/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
55	02/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
56	05/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
57	07/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
58	08/07	NT	NT	<0.05	<0.0025	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
59	09/07	NT	NT	<0.0025	NT	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
60	11/07	NT	NT	NT	NT	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NT
61	12/07	NT	NT	NT	NT	<0.001	<0.001	NI	NI	NT	NT	NT	NT	NT	NT
62	08/08	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	NT
63	11/08	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	NT
64	09/09	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	NT
65	11/09	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	NT
66	08/10	<0.005	NT	NT	<5.0	NT	NT	NI	NI	<0.005	NT	NT	NT	<0.005	<0.005
67	11/10	<0.005	NT	NT	<3.0	NT	NT	NI	NI	<0.005	NT	NT	NT	<0.005	<0.005
68	08/11	<0.001	NT	NT	<1.0	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
69	11-12/11	<0.001	NT	NT	<0.005	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	<0.001
70	06/12	<0.001	NT	NT	<0.25	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
71	08/12	<0.002	NT	NT	<0.2	NT	NT	NI	NI	<0.002	NT	NT	NT	<0.002	<0.002
72	11/12	<0.002	NT	NT	<0.2	NT	NT	NI	NI	<0.002	NT	NT	NT	<0.002	<0.002
73	08/13	<0.002	NT	NT	<0.2	NT	NT	NI	NI	<0.002	NT	NT	NT	<0.002	<0.002
74	11/13	<0.002	NT	NT	<0.2	NT	NT	NI	NI	<0.002	NT	NT	NT	<0.002	<0.002
75	06/14	<0.002	<0.001	<0.002	<0.2	NT	NT	<0.002	<0.2	**0.005**	NT	<0.002	NT	<0.002	<0.002
76	08/14	<0.002	<0.002	<0.002	<0.2	NT	NT	NT	NT	<0.002	NT	<0.002	NT	<0.002	<0.002
77	11/14	<0.002	<0.002	<0.2	<0.2	NT	NT	<0.002	**0.006**	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
78	06/15	<.0.002	NT	NT	<0.002	NT	NT	NT	NT	<0.02	NT	NT	NT	<0.002	<0.002

NOTE: Please refer to last page for table notes.

TABLE 5C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Benzene**													
Round Number	Sample Date	NH AGQS = 0.005 GZ-9U	GZ-10U	GZ-409	GZ-616U	GZ-619U	GZ-620U	GZ-901U	GZ-902U	MW-1S	MW-3	MW-6	MW-7S	SW-1	WQCTS = 0.0012 SW-7
Start of Bioremediation Pilot Test															
17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
22	3,5/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
Start of Full-Scale Bioremediation															
25	06/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
26	07/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
27	08/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
28	12/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
29	01/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
30	06-07/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
31	09-10/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
32	12/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
33	01/02	**0.0065**	NT	NT	NI	NI	NI	NI	NI	<0.005	<0.001	<0.001	<0.001	<0.001	NT
34	02/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
35	06/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
36	10/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
37	01/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
38	07/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
39	12/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
40	02/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
41	06/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
42	08/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
43	11/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
44	01/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
45	06/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
46	08/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
47	11/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
48	12/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
49	05/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
50	06/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
51	08/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
52	10/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
53	12/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
54	01/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
55	02/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
56	05/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
57	07/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
58	08/07	NT	NT	<0.05	NT	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
59	09/07	NT	NT	<0.0025	NT	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
60	11/07	NT	NT	NT	NT	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
61	12/07	NT	NT	NT	NT	<0.001	<0.001	NI	NI	NT	NT	NT	NT	NT	NT
62	08/08	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	NT
63	11/08	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	NT
64	09/09	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	NT
65	11/09	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	NT
66	08/10	<0.001	NT	NT	<1.0	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
67	11/10	<0.001	NT	NT	<0.50	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
68	08/11	<0.001	NT	NT	<1.0	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
69	11-12/11	<0.001	NT	NT	<0.005	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	<0.001
70	06/12	<0.001	NT	NT	<0.25	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
71	08/12	<0.001	NT	NT	<0.1	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
72	11/12	<0.001	NT	NT	<0.1	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
73	08/13	<0.001	NT	NT	<0.1	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
74	11/13	<0.001	NT	NT	<0.1	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
75	06/14	<0.001	<0.001	<0.001	<0.1	NT	NT	<0.001	<0.1	<0.001	NT	<0.001	NT	<0.001	<0.001
76	08/14	<0.001	<0.001	**0.001**	<0.1	NT	NT	NT	NT	<0.001	NT	<0.001	NT	<0.001	<0.001
77	11/14	<0.001	<0.001	<0.1	<0.1	NT	NT	<0.001	**0.004**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
78	06/15	<0.001	NT	NT	**0.02**	NT	NT	NT	NT	<0.01	NT	NT	NT	<0.001	<0.001

NOTE: Please refer to last page for table notes.

TABLE 5C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Toluene**													
Round Number	Sample Date	NH AGQS = 1.0 GZ-9U	GW-2 = 50.0 GZ-10U	GZ-409	GZ-616U	GZ-619U	GZ-620U	GZ-901U	GZ-902U	MW-1S	MW-3	MW-6	MW-7S	SW-1	WQCTS = 6.8 SW-7
Start of Bioremediation Pilot Test															
17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
22	3,5/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
Start of Full-Scale Bioremediation															
25	06/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
26	07/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
27	08/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
28	12/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
29	01/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
30	06-07/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
31	09-10/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
32	12/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
33	01/02	<0.001	NT	NT	NI	NI	NI	NI	NI	<0.005	<0.001	<0.001	0.0015	<0.001	NT
34	02/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
35	06/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
36	10/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
37	01/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
38	07/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
39	12/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
40	02/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
41	06/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
42	08/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
43	11/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
44	01/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
45	06/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
46	08/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
47	11/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
48	12/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
49	05/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
50	06/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
51	08/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
52	10/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
53	12/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
54	01/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
55	02/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
56	05/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
57	07/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
58	08/07	NT	NT	<0.05	NT	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
59	09/07	NT	NT	<0.0025	NT	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
60	11/07	NT	NT	NT	NT	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
61	12/07	NT	NT	NT	NT	<0.001	<0.001	NI	NI	NT	NT	NT	NT	NT	NT
62	08/08	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.002	NT
63	11/08	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	NT
64	09/09	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	NT
65	11/09	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	NT
66	08/10	<0.001	NT	NT	<1.0	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
67	11/10	<0.001	NT	NT	**1.4**	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
68	08/11	<0.001	NT	NT	**4.7**	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
69	11-12/11	<0.001	NT	NT	<0.005	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	<0.001
70	06/12	<0.001	NT	NT	<0.25	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
71	08/12	<0.001	NT	NT	0.243	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
72	11/12	<0.001	NT	NT	<0.1	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
73	08/13	<0.001	NT	NT	**0.4**	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
74	11/13	<0.001	NT	NT	<0.1	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
75	06/14	<0.001	<0.001	<0.001	**0.3**	NT	NT	<0.001	<0.1	<0.001	NT	<0.001	NT	<0.001	<0.001
76	08/14	<0.001	<0.001	<0.001	**0.1**	NT	NT	NT	NT	<0.001	NT	<0.001	NT	<0.001	<0.001
77	11/14	<0.001	<0.001	<0.1	**0.3**	NT	NT	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
78	06/15	<0.001	NT	NT	**0.3**	NT	NT	NT	NT	<0.01	NT	NT	NT	<0.001	<0.001

NOTE: Please refer to last page for table notes.

TABLE 5C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Ethylbenzene**													
Round Number	Sample Date	NH AGQS = 0.7 GZ-9U	GW-2 = 1.5 GZ-10U	GZ-409	GZ-616U	GZ-619U	GZ-620U	GZ-901U	GZ-902U	MW-1S	MW-3	MW-6	MW-7S	SW-1	WQCTS = 3.10 SW-7
Start of Bioremediation Pilot Test															
17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
22	3,5/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
Start of Full-Scale Bioremediation															
25	06/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
26	07/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
27	08/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
28	12/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
29	01/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
30	06-07/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
31	09-10/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
32	12/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
33	01/02	<0.001	NT	NT	NI	NI	NI	NI	NI	<0.005	<0.001	<0.001	<0.001	<0.001	NT
34	02/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
35	06/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
36	10/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
37	01/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
38	07/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
39	12/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
40	02/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
41	06/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
42	08/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
43	11/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
44	01/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
45	06/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
46	08/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
47	11/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
48	12/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
49	05/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
50	06/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
51	08/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
52	10/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
53	12/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
54	01/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
55	02/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
56	05/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
57	07/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
58	08/07	NT	NT	<0.05	NT	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
59	09/07	NT	NT	<0.0025	NT	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
60	11/07	NT	NT	NT	NT	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
61	12/07	NT	NT	NT	NT	<0.001	<0.001	NI	NI	NT	NT	NT	NT	NT	NT
62	08/08	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	NT
63	11/08	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	NT
64	09/09	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	NT
65	11/09	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	NT
66	08/10	<0.001	NT	NT	<1.0	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
67	11/10	<0.001	NT	NT	<0.50	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
68	08/11	<0.001	NT	NT	<1.0	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
69	11-12/11	<0.001	NT	NT	<0.005	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	<0.001
70	06/12	<0.001	NT	NT	<0.25	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
71	08/12	<0.001	NT	NT	<0.1	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
72	11/12	<0.001	NT	NT	<0.1	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
73	08/13	<0.001	NT	NT	**0.1**	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
74	11/13	<0.001	NT	NT	<0.1	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
75	06/14	<0.001	<0.001	<0.001	<0.1	NT	NT	<0.001	<0.1	<0.001	NT	<0.001	NT	<0.001	<0.001
76	08/14	<0.001	<0.001	<0.001	<0.1	NT	NT	NT	NT	<0.001	NT	<0.001	NT	<0.001	<0.001
77	11/14	<0.001	<0.001	<0.1	<0.1	NT	NT	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
78	06/15	<0.001	NT	NT	**0.09**	NT	NT	NT	NT	<0.01	NT	NT	NT	<0.001	<0.001

NOTE: Please refer to last page for table notes.

TABLE 5C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Total Xylenes**													
Round Number	Sample Date	NH AGQS = 10.0 GZ-9U	GZ-10U	GZ-409	GZ-616U	GZ-619U	GZ-620U	GZ-901U	GZ-902U	MW-1S	MW-3	MW-6	MW-7S	SW-1	WQCTS = NA SW-7
Start of Bioremediation Pilot Test															
17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
22	3,5/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
Start of Full-Scale Bioremediation															
25	06/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
26	07/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
27	08/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
28	12/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
29	01/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
30	06-07/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
31	09-10/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
32	12/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
33	01/02	<0.003	NT	NT	NI	NI	NI	NI	NI	<0.015	<0.003	<0.003	0.0051	<0.003	NT
34	02/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
35	06/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
36	10/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
37	01/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
38	07/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
39	12/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
40	02/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
41	06/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
42	08/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
43	11/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
44	01/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
45	06/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
46	08/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
47	11/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
48	12/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
49	05/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
50	06/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
51	08/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
52	10/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
53	12/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
54	01/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
55	02/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
56	05/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
57	07/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
58	08/07	NT	NT	<0.05	NT	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
59	09/07	NT	NT	<0.0025	NT	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
60	11/07	NT	NT	NT	NT	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
61	12/07	NT	NT	NT	NT	<0.001	<0.001	NI	NI	NT	NT	NT	NT	NT	NT
62	08/08	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.003	NT
63	11/08	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.003	NT
64	09/09	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	NT
65	11/09	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.001	NT
66	08/10	<0.001	NT	NT	<1.0	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
67	11/10	<0.001	NT	NT	**1.1**	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
68	08/11	<0.0015	NT	NT	**3.9**	NT	NT	NI	NI	<0.0015	NT	NT	NT	<0.0015	<0.0015
69	11-12/11	<0.0015	NT	NT	<0.0075	NT	NT	NI	NI	NT	NT	NT	NT	<0.0015	<0.0015
70	06/12	<0.003	NT	NT	<0.75	NT	NT	NI	NI	<0.003	NT	NT	NT	<0.003	<0.0015
71	08/12	<0.001	NT	NT	**0.324**	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
72	11/12	<0.001	NT	NT	<0.1	NT	NT	NI	NI	<0.001	NT	NT	NT	<0.001	<0.001
73	08/13	<0.003	NT	NT	**0.9**	NT	NT	NI	NI	<0.003	NT	NT	NT	<0.003	<0.003
74	11/13	<0.002	NT	NT	<0.2	NT	NT	NI	NI	<0.002	NT	NT	NT	<0.002	<0.002
75	06/14	<0.003	<0.003	<0.003	<0.3	NT	NT	<0.003	<0.3	<0.003	NT	<0.003	NT	<0.003	<0.003
76	08/14	<0.003	<0.003	<0.003	<0.3	NT	NT	NT	NT	<0.003	NT	<0.003	NT	<0.003	<0.003
77	11/14	<0.003	<0.003	<0.3	**0.4**	NT	NT	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
78	06/15	<0.003	NT	NT	**0.5**	NT	NT	NT	NT	<0.03	NT	NT	NT	<0.003	<0.003

NOTE: Please refer to last page for table notes.

TABLE 5C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**1,4-Dioxane**													
Round Number	Sample Date	NH AGQS = 0.003 GZ-9U	GW-2 = NA GZ-10U	GZ-409	GZ-616U	GZ-619U	GZ-620U	GZ-901U	GZ-902U	MW-1S	MW-3	MW-6	MW-7S	SW-1	WQCTS = NA SW-7
62	08/08	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	<0.003	NT
63	11/08	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
64	09/09	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
65	11/09	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
66	08/10	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
67	11/10	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
68	08/11	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
69	11-12/11	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
70	06/12	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
71	08/12	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
72	11/12	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
73	08/13	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
74	11/13	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
75	06/14	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
76	08/14	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
77	11/14	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
78	06/15	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 5C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Methane**													
Round	Sample	NH AGQS/GW-2 = NA													WQCTS = NA
Number	Date	GZ-9U	GZ-10U	GZ-409	GZ-616U	GZ-619U	GZ-620U	GZ-901U	GZ-902U	MW-1S	MW-3	MW-6	MW-7S	SW-1	SW-7
Start of Bioremediation Pilot Test															
17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
22	3,5/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
Start of Full-Scale Bioremediation															
25	06/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
26	07/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
27	08/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
28	12/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
29	01/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
30	06-07/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
31	09-10/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
32	12/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
33	01/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
34	02/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
35	06/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
36	10/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
37	01/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
38	07/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
39	12/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
40	02/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
41	06/04	NT	NT	NT	NI	NI	NI	NI	NI	**0.77**	NT	NT	NT	NT	NT
42	08/04	NT	NT	NT	NI	NI	NI	NI	NI	**0.76**	NT	NT	NT	NT	NT
43	11/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
44	01/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
45	06/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
46	08/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
47	11/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
48	12/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
49	05/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
50	06/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
51	08/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
52	10/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
53	12/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
54	01/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
55	02/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
56	05/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
57	07/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
58	08/07	NT	NT	NT	NT	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
59	09/07	NT	NT	NT	NT	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
60	11/07	NT	NT	NT	NT	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
62	08/08	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
63	11/08	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
64	09/09	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
65	11/09	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
66	08/10	**0.21**	NT	NT	**0.6**	NT	NT	NI	NI	**0.54**	NT	NT	NT	NT	NT
67	11/10	**0.21**	NT	NT	**1.2**	NT	NT	NI	NI	**0.41**	NT	NT	NT	NT	NT
68	08/11	**0.40**	NT	NT	**1.9**	NT	NT	NI	NI	**1.5**	NT	NT	NT	NT	NT
69	11-12/11	**2.6**	NT	NT	<0.01	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
70	06/12	**2.15**	NT	NT	**0.0770**	NT	NT	NI	NI	**0.857**	NT	NT	NT	NT	NT
71	08/12	**0.269**	NT	NT	**0.123**	NT	NT	NI	NI	**0.299**	NT	NT	NT	NT	NT
72	11/12	**0.157**	NT	NT	<0.002	NT	NT	NI	NI	**0.601**	NT	NT	NT	NT	NT
73	08/13	**1.65**	NT	NT	**0.201**	NT	NT	NI	NI	**1.76**	NT	NT	NT	NT	NT
74	11/13	**0.233**	NT	NT	**0.347**	NT	NT	NI	NI	**1.11**	NT	NT	NT	NT	NT
75	06/14	**1.5**	NT	NT	**0.173**	NT	NT	NT	NT	**1.11**	NT	NT	NT	NT	NT
76	08/14	**0.204**	NT	NT	**0.29**	NT	NT	NT	NT	**0.371**	NT	NT	NT	NT	NT
77	11/14	**0.231**	NT	NT	**0.181**	NT	NT	NT	NT	**1.01**	NT	NT	NT	NT	NT
78	06/15	**1.33**	NT	NT	**0.146**	NT	NT	NT	NT	**0.681**	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 5C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Ethane**													
Round	Sample	NH AGQS/GW-2 = NA													WQCTS = NA
Number	Date	GZ-9U	GZ-10U	GZ-409	GZ-616U	GZ-619U	GZ-620U	GZ-901U	GZ-902U	MW-1S	MW-3	MW-6	MW-7S	SW-1	SW-7
42	08/04	NT	NT	NT	NI	NI	NI	NI	NI	<0.020	NT	NT	NT	NT	NT
43	11/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
No Analysis for Parameter between 2005 and 2009															
66	08/10	<0.020	NT	NT	<0.020	NT	NT	NI	NI	<0.020	NT	NT	NT	NT	NT
67	11/10	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
68	08/11	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
69	11-12/11	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
70	06/12	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
71	08/12	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
72	11/12	<0.003	NT	NT	<0.003	NT	NT	NI	NI	<0.003	NT	NT	NT	NT	NT
73	08/13	<0.003	NT	NT	<0.003	NT	NT	NI	NI	**0.0037**	NT	NT	NT	NT	NT
74	11/13	<0.003	NT	NT	<0.003	NT	NT	NI	NI	<0.003	NT	NT	NT	NT	NT
75	06/14	<0.003	NT	NT	<0.003	NT	NT	NT	NT	**0.0039**	NT	NT	NT	NT	NT
76	08/14	<0.003	NT	NT	<0.003	NT	NT	NT	NT	<0.003	NT	NT	NT	NT	NT
77	11/14	<0.003	NT	NT	<0.003	NT	NT	NT	NT	<0.003	NT	NT	NT	NT	NT
78	06/15	<0.003	NT	NT	<0.003	NT	NT	NT	NT	<0.003	NT	NT	NT	NT	NT

Contaminant:		**Ethene**													
Round	Sample	NH AGQS/GW-2 = NA													WQCTS = NA
Number	Date	GZ-9U	GZ-10U	GZ-409	GZ-616U	GZ-619U	GZ-620U	GZ-901U	GZ-902U	MW-1S	MW-3	MW-6	MW-7S	SW-1	SW-7
42	08/04	NT	NT	NT	NI	NI	NI	NI	NI	<0.020	NT	NT	NT	NT	NT
43	11/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
No Analysis for Parameter between 2005 and 2009															
66	08/10	<0.020	NT	NT	<0.020	NT	NT	NI	NI	<0.020	NT	NT	NT	NT	NT
67	11/10	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
68	08/11	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
69	11-12/11	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
70	06/12	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
71	08/12	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
72	11/12	<0.005	NT	NT	<0.005	NT	NT	NI	NI	<0.005	NT	NT	NT	NT	NT
73	08/13	<0.005	NT	NT	<0.005	NT	NT	NI	NI	<0.005	NT	NT	NT	NT	NT
74	11/13	<0.005	NT	NT	<0.005	NT	NT	NI	NI	<0.005	NT	NT	NT	NT	NT
75	06/14	<0.005	NT	NT	<0.005	NT	NT	NT	NT	**0.0343**	NT	NT	NT	NT	NT
76	08/14	<0.005	NT	NT	<0.005	NT	NT	NT	NT	<0.005	NT	NT	NT	NT	NT
77	11/14	<0.005	NT	NT	<0.005	NT	NT	NT	NT	<0.005	NT	NT	NT	NT	NT
78	06/15	<0.005	NT	NT	<0.005	NT	NT	NT	NT	<0.005	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 5C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Iron**													
Round	Sample	NH AGQS/GW-2 = NA													WQCTS = 0.3
Number	Date	GZ-9U	GZ-10U	GZ-409	GZ-616U	GZ-619U	GZ-620U	GZ-901U	GZ-902U	MW-1S	MW-3	MW-6	MW-7S	SW-1	SW-7
1	08/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
2	10/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
No Analysis for Parameter between 1987 and 2004															
41	06/04	NT	NT	NT	NI	NI	NI	NI	NI	**2.6**	NT	NT	NT	NT	NT
42	08/04	NT	NT	NT	NI	NI	NI	NI	NI	**2.5**	NT	NT	NT	NT	NT
No Analysis for Parameter after 2004															

Contaminant:		**Manganese**													
Round	Sample	NH AGQS = 0.84 GW-2 = NA													WQCTS = 0.050
Number	Date	GZ-9U	GZ-10U	GZ-409	GZ-616U	GZ-619U	GZ-620U	GZ-901U	GZ-902U	MW-1S	MW-3	MW-6	MW-7S	SW-1	SW-7
1	08/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
2	10/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
No Analysis for Parameter between 1987 and 2004															
41	06/04	NT	NT	NT	NI	NI	NI	NI	NI	**0.68**	NT	NT	NT	NT	NT
42	08/04	NT	NT	NT	NI	NI	NI	NI	NI	**0.85**	NT	NT	NT	NT	NT
No Analysis for Parameter after 2004															

NOTE: Please refer to last page for table notes.

TABLE 5C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Chloride**													
Round Number	Sample Date	NH AGQS/GW-2 = NA													WQCTS = 230
		GZ-9U	GZ-10U	GZ-409	GZ-616U	GZ-619U	GZ-620U	GZ-901U	GZ-902U	MW-1S	MW-3	MW-6	MW-7S	SW-1	SW-7
Start of Bioremediation Pilot Test															
17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
22	3,5/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
Start of Full-Scale Bioremediation															
25	06/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
26	07/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
27	08/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
28	12/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
29	01/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
30	06-07/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
31	09-10/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
32	12/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
33	01/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
34	02/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
35	06/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
36	10/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
37	01/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
38	07/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
39	12/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
40	02/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
41	06/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
42	08/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
43	11/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
44	01/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
45	06/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
46	08/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
47	11/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
48	12/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
49	05/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
50	06/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
51	08/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
52	10/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
53	12/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
54	01/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
55	02/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
56	05/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
57	07/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
58	08/07	NT	NT	NT	NT	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
59	09/07	NT	NT	NT	NT	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
60	11/07	NT	NT	NT	NT	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
62	08/08	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
63	11/08	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
64	09/09	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
65	11/09	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
No Analysis for Parameter after 2009															

NOTE: Please refer to last page for table notes.

TABLE 5C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Total Organic Carbon (TOC), Sample Round No. 13** **Chemical Oxygen Demand (COD), Subsequent Sample Rounds until Round No. 43. Data for that round respectively reflect COD and TOC concentrations.**													
Round	Sample	NH AGQS/GW-2 = NA													
Number	Date	GZ-9U	GZ-10U	GZ-409	GZ-616U	GZ-619U	GZ-620U	GZ-901U	GZ-902U	MW-1S	MW-3	MW-6	MW-7S	SW-1	SW-7
Start of Bioremediation Pilot Test															
17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
22	03/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
Start of Full-Scale Bioremediation															
25	06/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
26	07/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
27	08/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
28	12/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
29	01/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
30	06-07/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
31	09-10/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
32	12/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
33	01/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
34	02/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
35	06/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
36	10/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
37	01/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
38	07/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
39	12/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
40	02/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
41	06/04	NT	NT	NT	NI	NI	NI	NI	NI	**30**	NT	NT	NT	NT	NT
42	08/04	NT	NT	NT	NI	NI	NI	NI	NI	**10**	NT	NT	NT	NT	NT
43	11/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
44	01/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
45	06/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
46	08/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
47	11/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
48	12/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
49	05/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
50	06/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
51	08/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
52	10/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
53	12/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
54	01/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
55	02/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
56	05/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
57	07/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
58	08/07	NT	38	38	NT	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
59	09/07	NT	NT	NT	NT	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
60	11/07	NT	NT	NT	NT	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
62	08/08	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
63	11/08	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
64	09/09	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
65	11/09	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
66	08/10	**25 / 7.0**	NT	NT	**68 / 22**	**180 / 30**	NT	NI	NI	**24 / 8.8**	NT	NT	NT	**16**	<10
67	11/10	**19 / 5.3**	NT	NT	**37 / 15**	**79 / 25**	NT	NI	NI	**26 / 5.1**	NT	NT	NT	**20**	**19**
68	08/11	**58 / 55**	NT	NT	**110 / 21**	NT	NT	NI	NI	**74 / 7.6**	NT	NT	NT	**58**	**49**
69	11-12/11	**39 / 12**	NT	NT	**36 / 32**	NT	NT	NI	NI	NT	NT	NT	NT	**16**	**14**
70	06/12	**33 / 11**	NT	NT	**36 / 120**	NT	NT	NI	NI	**28 / 5.9**	NT	NT	NT	**13**	**12**
71	08/12	**15** / <5	NT	NT	**90 / 18**	NT	NT	NI	NI	**27** / <5	NT	NT	NT	<10	<10
72	11/12	<10 / **10**	NT	NT	**19 / 10**	NT	NT	NI	NI	<10 / **5.3**	NT	NT	NT	**13**	<10
73	08/13	**35 / 15**	NT	NT	**80 / 65**	NT	NT	NI	NI	**80 / 9.9**	NT	NT	NT	**14**	**15**
74	11/13	<10 / **6.6**	NT	NT	**244 / 46**	NT	NT	NI	NI	**24 / 5.4**	NT	NT	NT	<10	<10
75	06/14	**33 / 7.8**	NT	NT	**225 / 23.8**	NT	NT	NT	NT	**64 / 8.2**	NT	NT	NT	**28**	**34**
76	08/14	**35 / 11**	NT	NT	**493 / 210**	NT	NT	NT	NT	**47 / 5.4**	NT	NT	NT	**18**	**10**
77	11/14	**15 / 7**	NT	NT	**61 / 20**	NT	NT	NT	NT	**49 / 6.4**	NT	NT	NT	<10	<10
78	06/15	**35 / 9.5**	NT	NT	**68 / 19**	NT	NT	NT	NT	**35 / 9.2**	NT	NT	NT	**31**	**31**

NOTE: Please refer to last page for table notes.

TABLE 5C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Nitrate**													
Round	Sample	NH AGQS = 10	GW-2 = NA												WQCTS = 10
Number	Date	GZ-9U	GZ-10U	GZ-409	GZ-616U	GZ-619U	GZ-620U	GZ-901U	GZ-902U	MW-1S	MW-3	MW-6	MW-7S	SW-1	SW-7
Start of Bioremediation Pilot Test															
17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
22	3,5/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
Start of Full-Scale Bioremediation															
25	06/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
26	07/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
27	08/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
28	12/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
29	01/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
30	06-07/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
31	09-10/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
32	12/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
33	01/02	**0.006**	NT	NT	NI	NI	NI	NI	NI	**0.29**	0.03	3.72	<0.05	NT	NT
34	02/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
35	06/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
36	10/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
37	01/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
38	07/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
39	12/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
40	02/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
41	06/04	NT	NT	NT	NI	NI	NI	NI	NI	0.9	NT	NT	NT	NT	NT
42	08/04	NT	NT	NT	NI	NI	NI	NI	NI	1.4	NT	NT	NT	NT	NT
43	11/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
44	01/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
45	06/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
46	08/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
47	11/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
48	12/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
49	05/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
50	06/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
51	08/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
52	10/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
53	12/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
54	01/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
55	02/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
56	05/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
57	07/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
58	08/07	NT	NT	NT	NT	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
59	09/07	NT	NT	NT	NT	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
60	11/07	NT	NT	NT	NT	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
62	08/08	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
63	11/08	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
64	09/09	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
65	11/09	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
66	08/10	**7.3**	NT	NT	<0.5	NT	NT	NI	NI	<0.5	NT	NT	NT	NT	NT
67	11/10	<0.5	NT	NT	**1.3**	NT	NT	NI	NI	<0.5	NT	NT	NT	NT	NT
68	08/11	**1.1**	NT	NT	**0.88**	NT	NT	NI	NI	<0.2	NT	NT	NT	NT	NT
69	11-12/11	<0.2	NT	NT	**2.8**	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
70	06/12	<0.2	NT	NT	**2.7**	NT	NT	NI	NI	<0.2	NT	NT	NT	NT	NT
71	08/12	<0.03	NT	NT	**0.195**	NT	NT	NI	NI	<0.03	NT	NT	NT	NT	NT
72	11/12	**1.77**	NT	NT	**5.85**	NT	NT	NI	NI	<0.03	NT	NT	NT	NT	NT
73	08/13	<0.03	NT	NT	**1.24**	NT	NT	NI	NI	<0.03	NT	NT	NT	NT	NT
74	11/13	<0.03	NT	NT	<0.03	NT	NT	NI	NI	<0.03	NT	NT	NT	NT	NT
75	06/14	<0.03	NT	NT	**0.997**	NT	NT	NT	NT	<0.03	NT	NT	NT	NT	NT
76	08/14	**3.74**	NT	NT	<0.03	NT	NT	NT	NT	<0.03	NT	NT	NT	NT	NT
77	11/14	<0.5	NT	NT	**1.8**	NT	NT	NT	NT	**1.2**	NT	NT	NT	NT	NT
78	06/15	<0.03	NT	NT	**0.547**	NT	NT	NT	NT	<0.03	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 5C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Sulfate**													
Round	Sample	NH AGQS = 500	GW-2 = NA												WQCTS = NA
Number	Date	GZ-9U	GZ-10U	GZ-409	GZ-616U	GZ-619U	GZ-620U	GZ-901U	GZ-902U	MW-1S	MW-3	MW-6	MW-7S	SW-1	SW-7
Start of Bioremediation Pilot Test															
17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
22	3,5/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
Start of Full-Scale Bioremediation															
25	06/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
26	07/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
27	08/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
28	12/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
29	01/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
30	06-07/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
31	09-10/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
32	12/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
33	01/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
34	02/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
35	06/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
36	10/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
37	01/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
38	07/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
39	12/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
40	02/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
41	06/04	NT	NT	NT	NI	NI	NI	NI	NI	**26**	NT	NT	NT	NT	NT
42	08/04	NT	NT	NT	NI	NI	NI	NI	NI	**46**	NT	NT	NT	NT	NT
43	11/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
44	01/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
45	06/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
46	08/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
47	11/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
48	12/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
49	05/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
50	06/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
51	08/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
52	10/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
53	12/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
54	01/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
55	02/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
56	05/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
57	07/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
58	08/07	NT	NT	NT	NT	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
59	09/07	NT	NT	NT	NT	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
60	11/07	NT	NT	NT	NT	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
62	08/08	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
63	11/08	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
64	09/09	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
65	11/09	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
66	08/10	**56**	NT	NT	**19**	NT	NT	NI	NI	**34**	NT	NT	NT	NT	NT
67	11/10	**100**	NT	NT	**17**	NT	NT	NI	NI	**20**	NT	NT	NT	NT	NT
68	08/11	**31**	NT	NT	**18**	NT	NT	NI	NI	**44**	NT	NT	NT	NT	NT
69	11-12/11	**5.2**	NT	NT	**4.2**	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
70	06/12	**2.4**	NT	NT	**12.9**	NT	NT	NI	NI	**23.3**	NT	NT	NT	NT	NT
71	08/12	<5.0	NT	NT	**24.1**	NT	NT	NI	NI	**28.9**	NT	NT	NT	NT	NT
72	11/12	**40**	NT	NT	**9.66**	NT	NT	NI	NI	**34.8**	NT	NT	NT	NT	NT
73	08/13	<5.0	NT	NT	**16**	NT	NT	NI	NI	**6.2**	NT	NT	NT	NT	NT
74	11/13	**40.1**	NT	NT	**21.5**	NT	NT	NI	NI	**13.8**	NT	NT	NT	NT	NT
75	06/14	**5.37**	NT	NT	**8.05**	NT	NT	NT	NT	**8.7**	NT	NT	NT	NT	NT
76	08/14	**43.7**	NT	NT	**27.5**	NT	NT	NT	NT	**34.9**	NT	NT	NT	NT	NT
77	11/14	**49.3**	NT	NT	**24.1**	NT	NT	NT	NT	**18.4**	NT	NT	NT	NT	NT
78	06/15	**7.6**	NT	NT	**14.9**	NT	NT	NT	NT	**8.6**	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 5C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Dissolved Oxygen**													
Round	Sample	NH AGQS/GW-2 = NA													
Number	Date	GZ-9U	GZ-10U	GZ-409	GZ-616U	GZ-619U	GZ-620U	GZ-901U	GZ-902U	MW-1S	MW-3	MW-6	MW-7S	SW-1	SW-7
Start of Bioremediation Pilot Test															
17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
22	3,5/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
Start of Full-Scale Bioremediation															
25	06/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
26	07/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
27	08/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
28	12/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
29	01/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
30	06-07/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
31	09-10/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
32	12/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
33	01/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
34	02/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
35	06/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
36	10/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
37	01/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
38	07/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
39	12/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
40	02/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
41	06/04	3.2	NT	NT	NI	NI	NI	NI	NI	1.9	5.6	5.2	4.8	NT	NT
42	08/04	3.6	NT	NT	NI	NI	NI	NI	NI	2.6	6.6	5.1	4.7	NT	NT
43	11/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
44	01/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
45	06/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
46	08/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
47	11/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
48	12/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
49	05/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
50	06/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
51	08/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	4.8	NT	NT
52	10/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
53	12/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
54	01/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
55	02/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
56	05/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
57	07/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
58	08/07	NT	NT	1.5	1	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
59	09/07	NT	NT	NT	NT	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
60	11/07	NT	NT	NT	NT	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
62	08/08	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	2.9	2.3	NT
63	11/08	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	8	NT
64	09/09	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	1.1	4	NT
65	11/09	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
66	08/10	1.3	NT	NT	2.4	NT	NT	NI	NI	1.4	NT	NT	3.4	3.0	2.4
67	11/10	1.3	NT	NT	1.3	NT	NT	NI	NI	1.3	NT	NT	0.8	5.6	5.5
68	08/11	1.3	NT	NT	NT	NT	NT	NI	NI	1.1	NT	NT	NT	5.0	4.8
69	11-12/11	2.0	NT	NT	5.1	NT	NT	NI	NI	NT	NT	NT	NT	8.7	7.6
70	06/12	1.3	NT	NT	1.7	NT	NT	NI	NI	1.8	NT	NT	NT	6.0	5.1
71	08/12	1.3	NT	NT	1.2	NT	NT	NI	NI	1.4	NT	NT	NT	4.3	2.3
72	11/12	1.6	NT	NT	3.9	NT	NT	NI	NI	1.8	NT	NT	NT	7.1	7.3
73	08/13	1.6	NT	NT	0.6	NT	NT	NI	NI	1.1	NT	NT	NT	3.7	3.2
74	11/13	1.6	NT	NT	1.2	NT	NT	NI	NI	2.0	NT	NT	NT	7.5	7.7
75	06/14	1.0	2.0	2.1	1.6	NT	NT	1.0	1.1	1.4	NT	6.4	NT	4.9	4.3
76	08/14	0.8	7.3	1.6	0.7	NT	NT	NT	NT	1.4	NT	1.3	NT	5.3	4.9
77	11/14	1.7	5.1	2.2	2.3	NT	NT	1.2	1.2	1.9	3.1	2.7	7.5	6.7	6.8
78	06/15	0.75	NT	NT	NT	NT	NT	NT	NT	0.87	NT	NT	NT	3.6	3.2

NOTE: Please refer to last page for table notes.

TABLE 5C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Oxidation Reduction Potential (ORP)**													
Round	Sample	NH AGQS/GW-2 = NA													
Number	Date	GZ-9U	GZ-10U	GZ-409	GZ-616U	GZ-619U	GZ-620U	GZ-901U	GZ-902U	MW-1S	MW-3	MW-6	MW-7S	SW-1	SW-7
Start of Bioremediation Pilot Test															
17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
22	3,5/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
Start of Full-Scale Bioremediation															
25	06/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
26	07/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
27	08/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
28	12/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
29	01/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
30	06-07/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
31	09-10/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
32	12/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
33	01/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
34	02/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
35	06/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
36	10/02	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
37	01/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
38	07/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
39	12/03	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
40	02/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
41	06/04	+155	NT	NT	NI	NI	NI	NI	NI	-30	+130	+140	+110	NT	NT
42	08/04	+200	NT	NT	NI	NI	NI	NI	NI	+140	+95	+155	+140	NT	NT
43	11/04	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
44	01/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
45	06/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
46	08/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
47	11/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
48	12/05	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
49	05/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
50	06/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
51	08/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	+160	NT	NT
52	10/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
53	12/06	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
54	01/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
55	02/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
56	05/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
57	07/07	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
58	08/07	NT	NT	+25	+90	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
59	09/07	NT	NT	NT	NT	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
60	11/07	NT	NT	NT	NT	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
62	08/08	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	+110	+130	NT
63	11/08	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	+240	NT
64	09/09	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	+65	+80	NT
65	11/09	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT
66	08/10	+56	NT	NT	+148	NT	NT	NI	NI	-45	NT	NT	+123	+160	+109
67	11/10	+66	NT	NT	-35	NT	NT	NI	NI	+68	NT	NT	+5	+117	+13
68	08/11	+70	NT	NT	+6	NT	NT	NI	NI	+90	NT	NT	NT	+65	+79
69	11-12/11	+58	NT	NT	+109	NT	NT	NI	NI	NT	NT	NT	NT	+125	+123
70	06/12	-15	NT	NT	+75	NT	NT	NI	NI	+30	NT	NT	NT	-10	-30
71	08/12	-23	NT	NT	+36	NT	NT	NI	NI	-19	NT	NT	NT	+143	+113
72	11/12	+161	NT	NT	+80	NT	NT	NI	NI	-8	NT	NT	NT	+49	+110
73	08/13	-22	NT	NT	+36	NT	NT	NI	NI	+15	NT	NT	NT	+33	+43
74	11/13	+25	NT	NT	+15	NT	NT	NI	NI	+97	NT	NT	NT	+95	-14
75	06/14	+19	-61	+128	+38	NT	NT	+54	+29	+24	NT	+119	NT	+75	+89
76	08/14	+27	-10	+141	-3	NT	NT	NT	NT	+26	NT	+110	NT	+37	+32
77	11/14	+14	+2	+147	+11	NT	NT	+84	+19	+25	+88	+92	+12	+47	-87
78	06/15	-10	NT	NT	+130	NT	NT	NT	NT	+75	NT	NT	+165	+80	+45

NOTE: Please refer to last page for table notes.

TABLE 5C NOTES
NORTHERN SITE PORTION, UPPER UNIT

Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Notes:

1. Sample Round Nos. 1 through 4, 6, and subsequent rounds were carried out by GZA GeoEnvironmental, Inc. (GZA). Sample Round No. 5 was carried out by the New Hampshire Department of Environmental Services (NHDES). Please refer to the analytical laboratory reports for additional information.
2. Concentration is in milligrams per liter (mg/L), which is equivalent to parts per million (ppm). Oxidation-reduction potential (ORP) is in millivolts (mV).
3. "<" indicates that the respective parameter was not detected above the associated analytical laboratory Reporting Limit (RL).
4. "OR" indicates that the respective parameter was out of range of the meter.
5. For the Chemical Oxygen Demand (COD)/Total Organic Carbon (TOC) table, where values for both parameters are available for a given sampling round, the COD value is provided first, followed by the TOC value (e.g., 520/180).
6. This table considers only those parameters that were analyzed for and detected. Please refer to current and past analytical laboratory reports for the complete list of analytes.
7. Baseline sampling rounds conducted from August 1987 through April 1997 prior to the start of the July 1997 bioremediation pilot test are not included on this table. Please refer to the 2009 Annual Summary Letter Report or earlier reports for analytical results during these early sampling rounds.
8. Wells which have not been sampled since 2007 or earlier are not included on this table. Please refer to past reports for analytical results for these wells.
9. "AGQS" refers to NHDES Ambient Groundwater Quality Standards included in Env-Or 603.03. "WQCTS" indicates Water Quality Criteria for Toxic Substances included in Env-Wq 1703.21. The more stringent of the two regulations (AGQS or SWQC) was used for surface water samples. "GW-2" refers to the Groundwater to Indoor Air Screening Levels included in Table 1 – Vapor intrusion Screening Levels of the Vapor Intrusion Guidance. "NA" indicates that the respective standard has not yet been established.
10. Values in **bold** were detected above the laboratory reporting limit; shading indicates exceedances of standards, or that the concentration was at the respective standard.
11. "NT" indicates respective parameter was not tested during the respective sample round. "NI" indicates the monitoring well was not yet installed on the respective date.
12. Dissolved oxygen and ORP analyses were performed in the field using parameter-specific electrodes.
13. Monitoring wells MW-1 through MW-8 were installed by Jacques Whitford Company, Inc. between January 14, 2002 and January 16, 2002.
14. During the June 2015 sampling round 1,1,1,2-tetrachloroethane (0.001 mg/L), 1,1,2-trichloroethane (0.003 mg/L), 1,2,4-trimethylbenzene (0.02 mg/L), 1,3,5-trimethylbenzenen (0.006 mg/L), 1,4-dichlorobenzene (0.002 mg/L), isopropylbenzene (0.003 mg/L), naphthalene (0.003mg/L), n-butylbenzene (0.001 mg/L), n-propylbenzene (0.004 mg/L). and sec-butylbenzene (0.001 mg/L) were detected in well GZ-616U

TABLE 5D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Tetrachloroethene**																									
Round	Sample	NH AGQS = 0.005 GW-2 = 0.240																									Surface Water WQCTS = 0.0008
Number	Date	GZ-2	GZ-3A	GZ-403U	GZ-404U	GZ-405U	GZ-502	GZ-508U	GZ-601U	GZ-602U	GZ-604U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-612U	GZ-614U	GZ-618U	GZ-701U	GZ-801U	GZ-802US	GZ-802UD	GZ-803U	SW-2	SW-6	SW-8
Start of Bioremediation Pilot Test																											
17	07/97	<0.02	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
18	12/97	<0.1	<0.04	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.02	NT
19	04/98	<0.2	<0.05	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001	NT
20	07/98	<0.05	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
21	11/98	<0.1	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005	NT
22	3,5/99	<0.04	**0.044**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
23	07/99	**0.061**	<0.0015	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
24	12/99	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.05	NT
Start of Full-Scale Bioremediation																											
25	06/00	<0.025	**0.046**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.016**	NT
26	07/00	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
27	08/00	<0.025	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
28	12/00	<0.005	<0.036	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.1	NT
29	01/01	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	<0.1	NT
30	06-07/01	<0.01	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
31	09-10/01	<0.005	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005	NT
32	12/01	<0.05	<0.0025	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.01	NT
33	01/02	<0.01	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT	NT
34	02/02	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	<0.005	NT
35	06/02	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005	NT
36	10/02	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	**0.004**	NT
37	01/03	<0.005	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	<0.01	NT
38	07/03	<0.01	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.05	NT
39	12/03	<0.01	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.01	NT
40	02/04	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
41	06/04	<0.01	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.01	NT
42	08/04	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.002	NT
43	11/04	<0.01	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.02	NT
44	01/05	NT	NT	<0.002	<0.002	**0.19**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
45	06/05	<0.01	<0.01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.01	NT
46	08/05	<0.01	<0.01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	NT	NT
47	11/05	<0.002	<0.002	<0.002	<0.005	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005	NT
48	12/05	NT	NT	NT	NT	**0.24**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
49	05/06	NT	NT	NT	NT	NT	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
50	06/06	<0.001	<0.0025	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001	NT
51	08/06	<0.001	<0.001	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001	NT
52	10/06	NT	NT	NT	NT	NT	NT	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
53	12/06	<0.0025	<0.001	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.0025	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
55	02/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
56	05/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
57	07/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
58	08/07	<0.001	<0.005	<0.001	<0.01	<0.5	NT	NT	**0.17**	<0.05	<0.001	**0.07**	**0.35**	<0.001	**0.26**	**0.07**	**0.32**	**0.3**	<0.05	NI	NI	NI	NI	NI	<0.001	<0.05	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
60	11/07	<0.025	<0.01	<0.001	<0.001	<0.250	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	<0.001	<0.025	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
62	08/08	<0.001	<0.025	<0.001	<0.001	<0.5	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	<0.001	<0.025	NT
63	11/08	<0.001	<0.001	<0.001	<0.025	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	<0.001	<0.001	NT
64	09/09	<0.0025	<0.0025	<0.001	<0.005	<0.5	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	<0.001	<0.050	NT
65	11/09	<0.0025	<0.0025	<0.001	<0.005	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	NI	NI	NI	NI	<0.001	<0.025	NT
66	08/10	<0.010	<0.010	<0.002	<0.005	<1.0	NT	NT	<0.20	NT	NT	<2.0	<5.0	NT	<0.50	<1.0	<0.50	NT	**0.03**	NT	NI	NI	NI	NI	<0.002	NT	<0.002
67	11/10	<0.005	<0.010	<0.002	<0.005	<1.0	NT	NT	<2.0	NT	NT	<1.0	<2.0	NT	<0.20	<1.0	<0.50	NT	<0.002	NT	NI	NI	NI	NI	<0.002	<0.002	<0.002
68	08/11	<0.001	<0.0025	<0.001	<0.0025	**0.50**	<0.001	<0.001	<0.1	**0.016**	<0.001	<1.0	<2.5	<0.001	**0.13**	<0.10	<0.50	<0.25	<0.001	NT	<0.25	<5.0	**5.3**	**0.82**	<0.001	<0.001	<0.001
69	11-12/11	<0.001	<0.001	<0.001	<0.0025	<1.0	NT	NT	<0.050	NT	NT	<1.0	<0.25	NT	<0.10	<0.10	<0.50	NT	<0.001	NT	NT	NT	NT	NT	<0.001	<0.025	<0.001
70	05/12	<0.005	<0.025	<0.001	<0.005	<1	NT	NT	<1	NT	NT	<2.5	<2	NT	<0.5	<0.25	<2	NT	<0.1	NT	NT	NT	NT	NT	<0.001	<0.05	<0.001
71	08/12	<0.001	<0.001	<0.001	<0.001	**0.0035**	NT	NT	<0.1	NT	NT	<0.1	**0.25**	NT	<0.1	<0.1	<0.001	NT	**0.0094**	NT	NT	NT	NT	NT	<0.001	NT	<0.001
72	11/12	<0.01	<0.1	<0.001	<0.001	<0.1	NT	NT	<1	NT	NT	<1	<1	NT	<1	<1	**0.316**	NT	<0.001	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001
73	08/13	<0.001	<0.1	<0.001	<0.001	**0.1**	NT	NT	**0.1**	NT	NT	<0.1	**0.2**	NT	**0.1**	**0.1**	<0.1	NT	<0.001	NT	NT	NT	NT	NT	<0.001	NT	<0.001
74	11/13	<0.001	<0.1	<0.001	<0.001	**0.126**	NT	NT	**0.283**	NT	NT	<0.1	**0.317**	NT	**0.102**	<0.1	<0.1	NT	<0.1	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001
75	06/14	<0.001	<0.1	<0.001	<0.001	**0.1**	NT	NT	<0.1	NT	NT	<0.1	<0.1	NT	**0.1**	<0.1	**0.5**	NT	<0.001	<0.001	<0.1	**0.3**	**0.7**	**0.6**	<0.001	<0.1	<0.001
76	08/14	<0.001	<0.1	<0.001	<0.001	<0.1	NT	NT	<0.1	NT	NT	<0.1	**0.2**	NT	<0.1	<0.1	<0.1	NT	<0.01	NT	NT	NT	NT	NT	<0.001	NT	<0.001
77	11/14	<0.001	<0.1	<0.001	<0.001	<0.1	NT	NT	**0.1**	NT	NT	<0.1	**0.2**	NT	**0.1**	<0.1	**0.2**	NT	<0.01	<0.001	<0.1	**0.4**	<0.1	**0.5**	<0.001	<0.001	<0.001
78	06/15	<0.001	<0.001	<0.001	<0.001	<0.1	NT	NT	**0.2**	NT	NT	<0.1	<0.1	NT	<0.1	<0.1	**0.2**	NT	**0.09**	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001

NOTE: Please refer to last page for table notes.

TABLE 5D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Trichloroethene**																								
Round Number	Sample Date	NH AGQS = 0.005 GZ-2	GW-2 = 0.020 GZ-3A	GZ-403U	GZ-404U	GZ-405U	GZ-502	GZ-508U	GZ-601U	GZ-602U	GZ-604U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-612U	GZ-614U	GZ-618U	GZ-701U	GZ-801U	GZ-802US	GZ-802UD	GZ-803U	Surface Water WQCTS = 0.0027 SW-2	SW-6	SW-8
Start of Bioremediation Pilot Test																										
17	07/97	**0.056**	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0026**	Dry	NT
18	12/97	<0.1	**2.2**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0055**	**0.021**	NT
19	04/98	<0.2	**0.15**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.005**	NT
20	07/98	<0.05	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0014**	Dry	NT
21	11/98	<0.1	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0031**	**0.044**	NT
22	3,5/99	<0.04	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0011**	Dry	NT
23	07/99	**0.099**	<0.0015	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
24	12/99	<0.05	**0.011**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0012**	**0.19**	NT
Start of Full-Scale Bioremediation																										
25	06/00	**0.028**	**1.5**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0011**	**0.041**	NT
26	07/00	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
27	08/00	<0.025	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
28	12/00	<0.005	**0.78**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0013**	**0.84**	NT
29	01/01	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
30	06-07/01	**0.28**	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
31	09-10/01	<0.005	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0011**	**0.2**	NT
32	12/01	<0.05	<0.0025	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.11**	NT
33	01/02	<0.01	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT	NT
34	02/02	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	**0.1**	NT
35	06/02	**0.0025**	**0.001**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.22**	NT
36	10/02	**0.003**	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	**0.3**	NT
37	01/03	<0.005	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	**0.37**	NT
38	07/03	<0.01	<0005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	**0.63**	NT
39	12/03	<0.01	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	**0.24**	NT
40	02/04	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
41	06/04	<0.01	**0.003**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	**0.43**	NT
42	08/04	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	**0.007**	NT
43	11/04	<0.01	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.02	NT
44	01/05	NT	NT	**0.008**	**0.008**	**2.7**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
45	06/05	<0.01	<0.01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	**0.12**	NT
46	08/05	<0.01	<0.01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.014**	NT	NT
47	11/05	<0.002	<0.002	**0.0064**	**0.026**	**0.57**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005	NT
48	12/05	NT	NT	NT	NT	**34**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
49	05/06	NT	NT	NT	NT	NT	**0.0078**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
50	06/06	<0.001	<0.0025	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001	NT
51	08/06	<0.001	<0.001	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001	NT
52	10/06	NT	NT	NT	NT	NT	NT	**0.0033**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
53	12/06	<0.0025	**0.0015**	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.011**	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
55	02/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
56	05/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
57	07/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
58	08/07	<0.001	**0.0066**	**0.003**	<0.01	**22**	NT	NT	**130**	**2.7**	<0.001	**54**	**180**	**0.0072**	**100**	**37**	**97**	**130**	**1.3**	NI	NI	NI	NI	NI	<0.001	<0.05	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
60	11/07	<0.025	<0.01	**0.012**	**0.0042**	**11**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	**0.0012**	<0.025	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
62	08/08	<0.001	<0.025	**0.0078**	<0.001	**49**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	<0.001	<0.025	NT
63	11/08	<0.001	**0.0016**	**0.0068**	**0.039**	**70**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	<0.001	<0.001	NT
64	09/09	<0.0025	<0.0025	**0.0089**	<0.005	**95**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	<0.001	<0.05	NT
65	11/09	<0.0025	<0.0025	**0.0065**	<0.005	**86**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	NI	NI	NI	NI	<0.001	<0.025	NT
66	08/10	<0.010	<0.010	**0.009**	<0.005	**140**	NT	NT	**21**	NT	NT	**52**	**430**	NT	**86**	**130**	**24**	NT	**0.88**	NT	NI	NI	NI	NI	<0.002	NT	<0.002
67	11/10	<0.005	<0.010	**0.012**	<0.005	**120**	NT	NT	**270**	NT	NT	<1.0	**260**	NT	**28**	**170**	**100**	NT	<0.002	NT	NI	NI	NI	NI	<0.002	<0.002	<0.002
68	08/11	<0.001	<0.0025	**0.0054**	<0.0025	**98**	<0.001	<0.001	**16**	**2.0**	<0.001	**2.4**	**280**	<0.001	**23**	**22**	**76**	**43**	<0.001	NT	**11**	**540**	**83**	**83**	<0.001	<0.001	<0.001
69	11-12/11	<0.001	<0.001	**0.0046**	<0.0025	**110**	NT	NT	**1.6**	NT	NT	**10**	**39**	NT	**15**	**12**	**62**	NT	<0.001	NT	NT	NT	NT	NT	<0.001	<0.025	<0.001
70	05/12	<0.005	<0.025	**0.0062**	<0.005	**77.5**	NT	NT	**89.5**	NT	NT	**25.2**	**126**	NT	**33.4**	**12.6**	**198**	NT	**0.932**	NT	NT	NT	NT	NT	<0.001	<0.05	<0.001
71	08/12	**0.0082**	<0.001	**0.0048**	<0.001	**94.2**	NT	NT	**1.39**	NT	NT	**0.509**	**132**	NT	**25.5**	**46.6**	**0.0461**	NT	**0.372**	NT	NT	NT	NT	NT	<0.001	NT	<0.001
72	11/12	<0.01	<0.1	**0.0111**	<0.001	**8.1**	NT	NT	**149**	NT	NT	<1	**133**	NT	**15.4**	**67.3**	**60.6**	NT	**0.0085**	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001
73	08/13	<0.001	<0.1	**0.007**	<0.001	**28.4**	NT	NT	**56**	NT	NT	**0.9**	**80.6**	NT	**76**	**72.8**	**2.9**	NT	<0.001	NT	NT	NT	NT	NT	<0.001	NT	<0.001
74	11/13	<0.001	<0.1	**0.0058**	<0.001	**37.8**	NT	NT	**208**	NT	NT	**1.99**	**226**	NT	**60.7**	**71.1**	**0.794**	NT	**0.666**	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001
75	06/14	<0.001	<0.1	**0.006**	<0.001	**19**	NT	NT	**9.2**	NT	NT	**7.2**	**21.2**	NT	**45.8**	**10.8**	**93.4**	NT	<0.001	<0.001	**15.9**	**121**	**1.2**	**55.8**	<0.001	<0.1	<0.001
76	08/14	<0.001	<0.1	**0.006**	<0.001	**18.9**	NT	NT	**12.3**	NT	NT	**2.6**	**131**	NT	**12.7**	**62.7**	**0.1**	NT	**0.1**	NT	NT	NT	NT	NT	<0.001	NT	<0.001
77	11/14	<0.001	<0.1	**0.009**	<0.001	**21.9**	NT	NT	**75.8**	NT	NT	**1.1**	**175**	NT	**21.6**	**14.6**	**40.8**	NT	**0.01**	<0.001	**2.4**	**196**	**2.8**	**44.9**	<0.001	<0.001	<0.001
78	06/15	<0.001	<0.001	**0.008**	<0.001	**18.8**	NT	NT	**93.8**	NT	NT	**8.4**	**24.5**	NT	**29.9**	**24.1**	**25.7**	NT	**6.3**	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001

NOTE: Please refer to last page for table notes.

TABLE 5D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**1,1,1-Trichloroethane**																									
Round Number	Sample Date	NH AGQS = 0.2 GZ-2	GZ-3A	GZ-403U	GZ-404U	GZ-405U	GZ-502	GZ-508U	GZ-601U	GZ-602U	GZ-604U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-612U	GZ-614U	GZ-618U	GZ-701U	GZ-801U	GZ-802US	GZ-802UD	GZ-803U	SW-2	SW-6	SW-8
		GW-2 = 27.0																							Surface Water WQCTS = 0.001		
Start of Bioremediation Pilot Test																											
17	07/97	**0.58**	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
18	12/97	**0.47**	**0.29**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**1.5**	NT
19	04/98	<0.2	**0.13**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.0028**	NT
20	07/98	**0.15**	**0.17**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
21	11/98	<0.1	**0.02**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**2.4**	NT
22	3,5/99	**0.16**	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
23	07/99	**0.64**	<0.0015	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
24	12/99	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.1**	NT
Start of Full-Scale Bioremediation																											
25	06/00	**0.098**	**0.016**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.01	NT
26	07/00	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
27	08/00	**0.35**	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
28	12/00	<0.005	<0.02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.6**	NT
29	01/01	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
30	06-07/01	<0.01	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
31	09-10/01	**0.35**	**0.017**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.032**	NT
32	12/01	<0.05	<0.0025	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.01	NT
33	01/02	**0.052**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT	NT
34	02/02	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	**0.025**	NT
35	06/02	<0.001	**0.017**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005	NT
36	10/02	**0.022**	**0.01**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	**0.042**	NT
37	01/03	**0.005**	**0.05**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	**0.02**	NT
38	07/03	<0.01	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.05	NT
39	12/03	**0.01**	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.01	NT
40	02/04	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
41	06/04	<0.010	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.01	NT
42	08/04	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	**0.071**	NT
43	11/04	<0.01	**0.02**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.02	NT
44	01/05	NT	NT	<0.002	<0.002	**0.25**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
45	06/05	<0.010	**0.23**	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.01	NT
46	08/05	<0.010	**0.19**	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	NT	NT
47	11/05	<0.002	**0.0083**	<0.002	<0.005	**0.022**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.0099**	NT
48	12/05	NT	NT	NT	NT	**2.7**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
49	05/06	NT	NT	NT	NT	NT	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
50	06/06	<0.001	**0.0036**	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001	NT
51	08/06	**0.004**	**0.004**	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001	NT
52	10/06	NT	NT	NT	NT	NT	NT	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
53	12/06	<0.0025	**0.03**	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.0025	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
55	02/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
56	05/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
57	07/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
58	08/07	<0.001	**0.29**	<0.001	<0.01	**1.5**	NT	NT	**9.7**	**0.21**	<0.001	**23**	**15**	<0.001	**7.8**	**1.8**	**7.3**	**18**	**0.31**	NI	NI	NI	NI	NI	<0.001	<0.05	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
60	11/07	<0.025	0.11	<0.001	<0.001	**1.8**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	<0.001	**0.034**	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
62	08/08	<0.001	**0.11**	<0.001	<0.001	**4.5**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	<0.001	<0.025	NT
63	11/08	<0.001	**0.0034**	<0.001	<0.025	**6.8**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	<0.001	<0.001	NT
64	09/09	<0.0025	<0.0025	<0.001	<0.005	**7.8**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	<0.001	<0.05	NT
65	11/09	<0.0025	<0.0025	<0.001	<0.005	**7**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	NI	NI	NI	NI	<0.001	<0.025	NT
66	08/10	<0.010	<0.010	<0.002	<0.005	**10**	NT	NT	**2**	NT	NT	**21**	**34**	NT	**5.8**	**8**	**2.8**	NT	**0.3**	NT	NI	NI	NI	NI	<0.002	NT	<0.002
67	11/10	<0.005	<0.010	<0.002	<0.005	**11**	NT	NT	**17**	NT	NT	**16**	**21**	NT	**2.6**	**12**	**10**	NT	<0.002	NT	NI	NI	NI	NI	<0.002	<0.002	<0.002
68	08/11	**0.0017**	<0.0025	<0.001	<0.0025	**9.5**	<0.001	<0.001	**1.1**	0.16	<0.001	**21**	**25**	<0.001	**2.4**	**1.9**	**8.4**	**5.9**	<0.001	NT	**1.4**	**58**	**8.9**	**8.8**	<0.001	<0.001	<0.001
69	11-12/11	<0.001	<0.001	<0.001	<0.0025	**10**	NT	NT	**0.067**	NT	NT	**8.5**	**3.7**	NT	**1.4**	**0.82**	**5.6**	NT	<0.001	NT	NT	NT	NT	NT	<0.001	<0.025	<0.001
70	05/12	<0.005	**0.0902**	<0.001	<0.005	**6.57**	NT	NT	**6.70**	NT	NT	**19.8**	**10.8**	NT	**2.72**	**1.28**	**19.1**	NT	**0.138**	NT	NT	NT	NT	NT	<0.001	<0.05	<0.001
71	08/12	**0.0027**	**0.0755**	<0.001	<0.001	**7.88**	NT	NT	**0.198**	NT	NT	**3.14**	**22**	NT	**2.46**	**3.66**	**0.0412**	NT	**0.219**	NT	NT	NT	NT	NT	<0.001	NT	<0.001
72	11/12	<0.01	<0.1	<0.001	<0.001	**1.84**	NT	NT	**13.2**	NT	NT	**9.2**	**10.7**	NT	**1.28**	**5.47**	**7.29**	NT	**0.0123**	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001
73	08/13	**0.005**	**0.8**	<0.001	<0.001	**5.2**	NT	NT	**3.9**	NT	NT	**9.8**	**7.4**	NT	**7.9**	**6.3**	**1.4**	NT	<0.001	NT	NT	NT	NT	NT	<0.001	NT	<0.001
74	11/13	<0.001	**0.157**	<0.001	<0.001	**8.46**	NT	NT	**15.8**	NT	NT	**10.4**	**23**	NT	**6.17**	**5.83**	**0.414**	NT	**0.359**	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001
75	06/14	<0.001	**0.2**	<0.001	<0.001	**2.4**	NT	NT	**0.6**	NT	NT	**10.7**	**1.9**	NT	**5.5**	**0.7**	**9.5**	NT	<0.001	<0.001	**0.9**	**12.3**	**0.2**	**8.4**	<0.001	<0.1	<0.001
76	08/14	<0.001	**0.2**	<0.001	<0.001	**2.6**	NT	NT	**1.1**	NT	NT	**7.6**	**11.8**	NT	**1.1**	**3.7**	**0.2**	NT	**0.2**	NT	NT	NT	NT	NT	<0.001	NT	<0.001
77	11/14	<0.001	**0.4**	<0.001	<0.001	**3.0**	NT	NT	**9.8**	NT	NT	**5.8**	**15.0**	NT	**2.0**	**1.3**	**7.8**	NT	**0.1**	<0.001	**4.7**	**17.6**	<0.1	**5.6**	<0.001	<0.001	<0.001
78	06/15	<0.001	**0.05**	<0.001	<0.001	**1.7**	NT	NT	**5.7**	NT	NT	**2.2**	**2.2**	NT	**3.0**	**1.6**	**3.2**	NT	**1.4**	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001

NOTE: Please refer to last page for table notes.

TABLE 5D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Total 1,2-Dichloroethenes**																									
Round Number	Sample Date	NH AGQS = 0.07 GZ-2	GW-2 = 0.560 GZ-3A	GZ-403U	GZ-404U	GZ-405U	GZ-502	GZ-508U	GZ-601U	GZ-602U	GZ-604U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-612U	GZ-614U	GZ-618U	GZ-701U	GZ-801U	GZ-802US	GZ-802UD	GZ-803U	SW-2	SW-6	Surface Water WQCTS = 0.7 SW-8
Start of Bioremediation Pilot Test																											
17	07/97	**12.052**	<0.003	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.03**	Dry	NT
18	12/97	**53.11**	**4**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0095**	**25.1**	NT
19	04/98	**4.1**	**2.9**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.003	**0.2376**	NT
20	07/98	**5.2**	**0.73**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0088**	Dry	NT
21	11/98	**6.9**	**0.5751**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0045**	**7.9**	NT
22	3,5/99	**2.1**	**0.14**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0052**	Dry	NT
23	07/99	**8.125**	**0.058**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0013**	Dry	NT
24	12/99	**2.4**	**0.059**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0012**	**2.866**	NT
Start of Full-Scale Bioremediation																											
25	06/00	**2.2**	**0.917**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0052**	**0.3**	NT
26	07/00	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
27	08/00	**8.455**	**0.0086**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0068**	Dry	NT
28	12/00	**0.1**	**2.2**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	**12**	NT
29	01/01	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
30	06-07/01	**0.046**	**0.0056**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0023**	Dry	NT
31	09-10/01	**13.071**	**0.56**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.028**	**2.5079**	NT
32	12/01	**5.6**	**0.54**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	**2**	NT
33	01/02	**3.123**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	NT	NT
34	02/02	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	**2.8**	NT
35	06/02	**0.075**	**0.13**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	**1.6**	NT
36	10/02	**2.435**	**1.503**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.006	**3.121**	NT
37	01/03	**0.493**	**1.3**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	**3.12**	NT
38	07/03	**0.29**	**3.3**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.004	**4.9**	NT
39	12/03	**1.73**	**0.041**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.004	**2.22**	NT
40	02/04	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
41	06/04	**0.18**	**0.068**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.005**	**3.73**	NT
42	08/04	**0.505**	**0.029**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.003**	**1.948**	NT
43	11/04	**0.03**	**1.9**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.005**	**0.91**	NT
44	01/05	NT	NT	**0.01**	**0.17**	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
45	06/05	**0.32**	**4.03**	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.002**	**3.03**	NT
46	08/05	**1.94**	**4.22**	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.003**	NT	NT
47	11/05	<0.002	**0.094**	**0.0095**	**0.57**	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.356**	NT
48	12/05	NT	NT	NT	NT	<0.02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
49	05/06	NT	NT	NT	NT	NT	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
50	06/06	**0.002**	**0.011**	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.002	NT
51	08/06	**1.52**	**0.013**	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.004**	**0.018**	NT
52	10/06	NT	NT	NT	NT	NT	NT	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
53	12/06	**0.0031**	**0.075**	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	**2.112**	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
55	02/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
56	05/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
57	07/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
58	08/07	**1.022**	**5.532**	**0.0041**	<0.02	**1.3**	NT	NT	**100.26**	**0.14**	<0.001	**270.84**	**9.3**	<0.002	**4.7**	**0.089**	**18**	**120.46**	**2.9**	NI	NI	NI	NI	NI	<0.002	**2.1**	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
60	11/07	**0.69**	**1.112**	**0.0092**	**0.102**	**17**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	**0.0022**	**1.76**	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
62	08/08	**0.0058**	**1.6**	**0.0075**	**0.0061**	**5.5**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	<0.002	**0.051**	NT
63	11/08	<0.002	**0.005**	**0.0091**	<0.05	**9**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	**0.0012**	**2.836**	NT
64	09/09	**0.258**	**0.04**	**0.016**	<0.005	**5.4**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	**0.0012**	**8**	NT
65	11/09	**0.013**	**0.003**	**0.014**	<0.005	**5.3**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	NI	NI	NI	NI	<0.001	**0.82**	NT
66	08/10	**0.74**	**0.20**	**0.021**	<0.005	**8**	NT	NT	**35**	NT	NT	**270**	**50**	NT	**3.7**	**6**	**28**	NT	**3.34**	NT	NI	NI	NI	NI	**0.004**	NT	**0.007**
67	11/10	**0.049**	**0.07**	**0.027**	<0.005	**23**	NT	NT	**130**	NT	NT	**230**	**16**	NT	**2.7**	**4**	**53**	NT	**0.14**	NT	NI	NI	NI	NI	<0.002	**0.022**	<0.002
68	08/11	**0.123**	**0.299**	**0.011**	<0.0025	**8.4**	<0.001	<0.001	**21.16**	**0.59**	<0.001	**250**	**19**	<0.001	**4.2**	**5.4**	**46**	**26**	**0.0014**	NT	**29**	**44**	<0.50	**16**	<0.001	**0.014**	<0.001
69	11-12/11	<0.001	<0.001	**0.0085**	**0.004**	**5.0**	NT	NT	**6.076**	NT	NT	**95**	**3.8**	NT	**1.6**	**0.94**	**24**	NT	**0.0014**	NT	NT	NT	NT	NT	<0.001	**3.0**	<0.001
70	05/12	**0.3421**	**2.49**	**0.0167**	<0.005	**5.94**	NT	NT	**42.1**	NT	NT	**204**	**7.62**	NT	**3.14**	**6.74**	**110**	NT	**0.911**	NT	NT	NT	NT	NT	<0.001	**4.9**	<0.001
71	08/12	**2.9458**	**3.4799**	**0.0126**	**0.0048**	**20.9012**	NT	NT	**22.986**	NT	NT	**39.709**	**17**	NT	**4.77**	**8.75**	**1.156**	NT	**1.6001**	NT	NT	NT	NT	NT	<0.001	NT	<0.001
72	11/12	**0.4557**	**1.64**	**0.029**	**0.0032**	**9.94**	NT	NT	**92**	NT	NT	**115**	**10.1**	NT	<1	**28**	**38.281**	NT	**0.3352**	NT	NT	NT	NT	NT	<0.001	**0.018**	<0.001
Laboratory results for monitoring rounds after 2012 reported as separate isomers (cis and trans) on the following pages																											

NOTE: Please refer to last page for table notes.

TABLE 5D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**cis-1,2-Dichloroethene**																								
Round	Sample	NH AGQS = 0.07 GW-2 = NA																								Surface Water WQCTS = 0.7
Number	Date	GZ-2	GZ-3A	GZ-403U	GZ-404U	GZ-405U	GZ-502	GZ-508U	GZ-601U	GZ-602U	GZ-604U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-612U	GZ-614U	GZ-618U	GZ-701U	GZ-801U	GZ-802US	GZ-802UD	GZ-803U	SW-2	SW-6	SW-8
Laboratory results for monitoring rounds prior to 2013 reported as Total 1,2-dichloroethenes on page 4																										
73	08/13	**3.6**	**23.3**	**0.02**	<0.001	**22.9**	NT	NT	**40.2**	NT	NT	**131**	**10.5**	NT	**9**	**1.7**	**19.5**	NT	**0.004**	NT	NT	NT	NT	NT	<0.001	NT	<0.001
74	11/13	**0.664**	**9.41**	**0.0182**	<0.001	**34.4**	NT	NT	**97.1**	NT	NT	**138**	**23.1**	NT	**9.07**	**2.14**	**6.63**	NT	**3.2**	NT	NT	NT	NT	NT	<0.001	**0.0035**	<0.001
75	06/14	**0.5**	**3.6**	**0.02**	**0.001**	**6.4**	NT	NT	**43.3**	NT	NT	**144**	**3.8**	NT	**12.4**	**0.6**	**57.1**	NT	**0.004**	<0.001	**27.2**	**53.0**	**3.6**	**24.6**	**0.001**	**4.6**	**0.001**
76	08/14	**0.8**	**4.0**	**0.01**	**0.001**	**10.2**	NT	NT	**90.5**	NT	NT	**88.9**	**13.1**	NT	**2.4**	**1.5**	**2.3**	NT	**2**	NT	NT	NT	NT	NT	<0.001	NT	<0.001
77	11/14	**0.08**	**9.7**	**0.02**	<0.001	**14.8**	NT	NT	**192**	NT	NT	**79.1**	**14.8**	NT	**5.7**	**10.7**	**75.7**	NT	**2.1**	<0.001	**156**	**103**	**5.5**	**17.4**	**0.001**	**0.06**	**0.001**
78	06/15	**0.1**	**0.4**	**0.02**	<0.001	**5.0**	NT	NT	**35.0**	NT	NT	**23.0**	**2.6**	NT	**8.3**	**1.6**	**25.2**	NT	**12.3**	NT	NT	NT	NT	NT	<0.001	**0.2**	<0.001

NOTE: Please refer to last page for table notes.

TABLE 5D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**trans-1,2-Dichloroethene**																								
Round	Sample	NH AGQS = 0.100 GW-2 = 0.560																								Surface Water WQCTS = 0.7
Number	Date	GZ-2	GZ-3A	GZ-403U	GZ-404U	GZ-405U	GZ-502	GZ-508U	GZ-601U	GZ-602U	GZ-604U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-612U	GZ-614U	GZ-618U	GZ-701U	GZ-801U	GZ-802US	GZ-802UD	GZ-803U	SW-2	SW-6	SW-8
Laboratory results for monitoring rounds prior to 2013 reported as Total 1,2-dichloroethenes on page 4																										
73	08/13	**0.05**	<0.1	<0.001	<0.001	**0.1**	NT	NT	**0.2**	NT	NT	**0.5**	<0.1	NT	<0.1	<0.1	<0.1	NT	<0.001	NT	NT	NT	NT	NT	<0.001	NT	<0.001
74	11/13	**0.0172**	<0.1	<0.001	<0.001	**0.221**	NT	NT	**0.297**	NT	NT	**0.416**	<0.1	NT	<0.1	<0.1	<0.1	NT	<0.1	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001
75	06/14	**0.01**	<0.1	<0.001	<0.001	<0.1	NT	NT	**0.4**	NT	NT	**0.3**	<0.1	NT	<0.1	<0.1	**0.3**	NT	<0.001	<0.001	**0.2**	**0.3**	<0.1	**0.1**	<0.001	<0.1	<0.001
76	08/14	**0.02**	<0.1	<0.001	<0.001	<0.1	NT	NT	**0.6**	NT	NT	**0.2**	<0.1	NT	<0.1	<0.1	<0.1	NT	**0.03**	NT	NT	NT	NT	NT	<0.001	NT	<0.001
77	11/14	<0.001	<0.1	<0.001	<0.001	<0.1	NT	NT	**0.5**	NT	NT	**0.2**	<0.1	NT	<0.1	<0.1	**0.3**	NT	**0.03**	<0.001	**0.7**	**0.4**	<0.1	<0.1	<0.001	**0.006**	<0.001
78	06/15	**0.004**	**0.02**	<0.001	<0.001	<0.1	NT	NT	**0.2**	NT	NT	<0.1	<0.1	NT	<0.1	<0.1	<0.1	NT	**0.2**	NT	NT	NT	NT	NT	<0.001	**0.002**	<0.001

NOTE: Please refer to last page for table notes.

TABLE 5D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**1,2-Dichloroethane**																								
Round	Sample	NH AGQS = 0.005	GW-2 = 0.050																							Surface Water WQCTS = 0.00038
Number	Date	GZ-2	GZ-3A	GZ-403U	GZ-404U	GZ-405U	GZ-502	GZ-508U	GZ-601U	GZ-602U	GZ-604U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-612U	GZ-614U	GZ-618U	GZ-701U	GZ-801U	GZ-802US	GZ-802UD	GZ-803U	SW-2	SW-6	SW-8
Start of Bioremediation Pilot Test																										
17	07/97	<0.02	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
18	12/97	<0.1	<0.04	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.02	NT
19	04/98	<0.2	<0.05	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001	NT
20	07/98	<0.05	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
21	11/98	<0.1	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005	NT
22	3,5/99	<0.04	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
23	07/99	<0.025	<0.0015	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
24	12/99	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.05	NT
Start of Full-Scale Bioremediation																										
25	06/00	<0.025	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.01	NT
26	07/00	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
27	08/00	<0.025	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
28	12/00	<0.005	<0.02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.1	NT
29	01/01	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
30	06-07/01	<0.01	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
31	09-10/01	<0.005	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005	NT
32	12/01	<0.05	<0.0025	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.01	NT
33	01/02	<0.01	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT	NT
34	02/02	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	<0.005	NT
35	06/02	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005	NT
36	10/02	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.002	NT
37	01/03	<0.005	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	<0.01	NT
38	07/03	<0.01	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.01	NT
39	12/03	<0.01	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.01	NT
40	02/04	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
41	06/04	<0.01	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.010	NT
42	08/04	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.002	NT
43	11/04	<0.01	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.02	NT
44	01/05	NT	NT	<0.002	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
45	06/05	<0.01	<0.01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.01	NT
46	08/05	<0.01	<0.01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	NT	NT
47	11/05	<0.002	<0.002	<0.002	<0.005	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005	NT
48	12/05	NT	NT	NT	NT	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
49	05/06	NT	NT	NT	NT	NT	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
50	06/06	<0.001	<0.0025	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001	NT
51	08/06	<0.001	<0.001	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001	NT
52	10/06	NT	NT	NT	NT	NT	NT	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
53	12/06	<0.0025	<0.001	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.0025	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
55	02/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
56	05/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
57	07/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
58	08/07	**0.001**	<0.005	<0.001	<0.01	<0.5	NT	NT	<0.05	<0.05	<0.001	<0.05	<0.05	<0.001	<0.05	<0.05	<0.25	<0.25	<0.05	NI	NI	NI	NI	NI	<0.01	<0.05	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
60	11/07	<0.025	<0.01	<0.001	<0.001	<0.25	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	<0.001	<0.025	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
62	08/08	<0.001	<0.025	<0.001	<0.001	<0.5	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	<0.001	<0.0025	NT
63	11/08	<0.001	<0.001	<0.001	<0.025	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	<0.001	<0.001	NT
64	09/09	<0.0025	<0.0025	<0.001	<0.005	<0.5	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	<0.001	<0.050	NT
65	11/09	<0.0025	<0.0025	<0.001	<0.005	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	NI	NI	NI	NI	<0.001	<0.025	NT
66	08/10	<0.010	<0.010	<0.002	<0.005	<1.0	NT	NT	<0.20	NT	NT	<2.0	<5.0	NT	<0.50	<1.0	<0.50	NT	<0.020	NT	NI	NI	NI	NI	<0.002	NT	<0.002
67	11/10	<0.005	<0.010	<0.002	<0.005	<1.0	NT	NT	<2.0	NT	NT	<1.0	<2.0	NT	<0.20	<1.0	<0.50	NT	<0.002	NT	NI	NI	NI	NI	<0.002	<0.002	<0.002
68	08/11	**0.0014**	<0.0025	<0.001	<0.0025	<0.5	<0.001	<0.001	<0.10	<0.010	<0.001	<1.0	<2.5	<0.001	<0.10	<0.10	<0.50	<0.25	<0.001	NT	<0.25	<5.0	<0.5	<0.5	<0.001	<0.001	<0.001
69	11-12/11	<0.001	<0.001	<0.001	<0.0025	<1.0	NT	NT	<0.050	NT	NT	<1.0	<0.25	NT	<0.10	<0.10	<0.50	NT	<0.001	NT	NT	NT	NT	NT	<0.001	<0.025	<0.001
70	05/12	<0.005	<0.025	<0.001	<0.005	<1	NT	NT	<1	NT	NT	<2.5	<2	NT	<0.5	<0.25	<2	NT	<0.1	NT	NT	NT	NT	NT	<0.001	<0.05	<0.001
71	08/12	<0.001	<0.001	<0.001	<0.001	<0.001	NT	NT	<0.1	NT	NT	<0.1	<0.1	NT	<0.1	<0.1	<0.001	NT	<0.001	NT	NT	NT	NT	NT	<0.001	NT	<0.001
72	11/12	<0.01	<0.1	<0.001	<0.001	<0.1	NT	NT	<1	NT	NT	<0.001	<0.001	NT	<0.001	<0.001	<0.1	NT	<0.001	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001
73	08/13	**0.001**	**0.4**	<0.001	**0.01**	<0.1	NT	NT	**0.3**	NT	NT	**1**	<0.1	NT	<0.1	<0.1	<0.1	NT	**0.001**	NT	NT	NT	NT	NT	<0.001	NT	<0.001
74	11/13	<0.001	<0.1	<0.001	<0.001	<0.1	NT	NT	<0.1	NT	NT	<0.1	<0.1	NT	<0.1	<0.1	<0.1	NT	<0.1	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001
75	06/14	<0.001	<0.1	<0.001	<0.001	<0.1	NT	NT	<0.1	NT	NT	<0.1	<0.1	NT	<0.1	<0.1	<0.1	NT	<0.001	<0.001	<0.1	<0.1	<0.1	<0.1	<0.001	<0.1	<0.001
76	08/14	<0.001	<0.1	<0.001	<0.001	<0.1	NT	NT	<0.1	NT	NT	<0.1	<0.1	NT	<0.1	<0.1	<0.1	NT	<0.01	NT	NT	NT	NT	NT	<0.001	NT	<0.001
77	11/14	<0.001	<0.1	<0.001	<0.001	<0.1	NT	NT	<0.1	NT	NT	<0.1	<0.1	NT	<0.1	<0.1	<0.1	NT	<0.01	<0.001	<0.1	<0.1	<0.1	<0.1	<0.001	<0.001	<0.001
78	06/15	<0.001	<0.001	<0.001	<0.001	<0.1	NT	NT	<0.1	NT	NT	<0.1	<0.1	NT	<0.1	<0.1	**0.2**	NT	<0.001	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001

NOTE: Please refer to last page for table notes.

TABLE 5D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**1,1-Dichloroethene**																								
Round Number	Sample Date	NH AGQS = 0.007 GZ-2	GW-2 = 0.630 GZ-3A	GZ-403U	GZ-404U	GZ-405U	GZ-502	GZ-508U	GZ-601U	GZ-602U	GZ-604U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-612U	GZ-614U	GZ-618U	GZ-701U	GZ-801U	GZ-802US	GZ-802UD	GZ-803U	Surface Water WQCTS = 0.000057 SW-2	SW-6	SW-8
Start of Bioremediation Pilot Test																										
17	07/97	<0.02	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
18	12/97	**0.13**	<0.04	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.021**	NT
19	04/98	<0.2	<0.05	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001	NT
20	07/98	<0.05	**0.015**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
21	11/98	<0.1	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.12**	NT
22	3,5/99	<0.04	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
23	07/99	**0.029**	<0.0015	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
24	12/99	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.05	NT
Start of Full-Scale Bioremediation																										
25	06/00	<0.025	**0.012**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.01	NT
26	07/00	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
27	08/00	**0.036**	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
28	12/00	<0.05	<0.02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.1	NT
29	01/01	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
30	06-07/01	<0.01	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
31	09-10/01	**0.05**	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005	NT
32	12/01	<0.05	<0.0025	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.01	NT
33	01/02	**0.012**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT	NT
34	02/02	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	<0.005	NT
35	06/02	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005	NT
36	10/02	**0.017**	**0.002**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.016**	NT
37	01/03	**0.009**	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	**0.02**	NT
38	07/03	<0.01	**0.006**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.05	NT
39	12/03	**0.01**	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.01**	NT
40	02/04	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
41	06/04	<0.1	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.03**	NT
42	08/04	**0.002**	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.003**	NT
43	11/04	<0.01	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.02	NT
44	01/05	NT	NT	<0.001	<0.001	0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
45	06/05	<0.01	<0.01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.02**	NT
46	08/05	<0.01	<0.01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT	NT
47	11/05	<0.002	<0.002	<0.002	<0.005	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	<0.005	NT
48	12/05	NT	NT	NT	NT	**0.035**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
49	05/06	NT	NT	NT	NT	NT	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
50	06/06	<0.001	<0.0025	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001	NT
51	08/06	**0.0057**	<0.001	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001	NT
52	10/06	NT	NT	NT	NT	NT	NT	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
53	12/06	NT	<0.0025	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	<0.001	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
55	02/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
56	05/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
57	07/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
58	08/07	**0.0039**	**0.011**	<0.001	<0.01	<0.5	NT	NT	**1.2**	<0.05	<0.001	**0.78**	**0.21**	<0.001	**0.19**	**0.17**	**0.26**	**0.35**	<0.05	NI	NI	NI	NI	NI	<0.001	<0.05	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
60	11/07	<0.025	<0.01	<0.001	<0.001	<0.25	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	<0.001	<0.025	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
62	08/08	<0.001	<0.025	<0.001	<0.001	<0.5	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	<0.001	<0.025	NT
63	11/08	<0.001	<0.001	<0.001	<0.025	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	<0.001	**0.01**	NT
64	09/09	<0.0025	<0.0025	<0.001	<0.005	<0.5	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	<0.001	<0.05	NT
65	11/09	<0.0025	<0.0025	<0.001	<0.005	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	NI	NI	NI	NI	<0.001	<0.025	NT
66	08/10	<0.010	<0.010	<0.001	<0.005	<1.0	NT	NT	**0.3**	NT	NT	<2.0	<5.0	NT	<0.50	<1.0	<0.50	NT	<0.020	NT	NI	NI	NI	NI	<0.001	NT	<0.001
67	11/10	<0.005	<0.010	<0.001	<0.005	<1.0	NT	NT	<2.0	NT	NT	<1.0	<2.0	NT	<0.20	<1.0	<0.50	NT	<0.001	NT	NI	NI	NI	NI	<0.001	<0.001	<0.001
68	08/11	<0.001	<0.0025	<0.001	<0.0025	<0.5	<0.001	<0.001	**0.17**	**0.018**	<0.001	<1.0	<2.5	<0.001	**0.14**	**0.17**	**0.73**	**0.36**	<0.001	NT	**0.29**	<5.0	<0.50	<0.50	<0.001	**0.0012**	<0.001
69	11-12/11	<0.001	<0.001	<0.001	<0.001	<1.0	NT	NT	<0.050	NT	NT	<1.0	<0.25	NT	<0.10	<0.10	<0.50	NT	<0.001	NT	NT	NT	NT	NT	<0.001	<0.025	<0.001
70	05/12	<0.005	<0.025	<0.001	<0.005	<1	NT	NT	<1	NT	NT	<2.5	<2	NT	<0.5	<0.25	<2	NT	<0.1	NT	NT	NT	NT	NT	<0.001	<0.05	<0.001
71	08/12	**0.0068**	**0.0076**	<0.001	<0.001	**0.0047**	NT	NT	<0.1	NT	NT	**0.298**	**0.172**	NT	**0.254**	**0.405**	**0.0019**	NT	**0.0056**	NT	NT	NT	NT	NT	<0.001	NT	<0.001
72	11/12	<0.01	<0.1	<0.001	<0.001	<0.1	NT	NT	**1.62**	NT	NT	<1	<1	NT	<1	<1	**0.283**	NT	<0.001	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001
73	08/13	**0.01**	<0.1	<0.001	<0.001	<0.1	NT	NT	**0.4**	NT	NT	**0.2**	**0.1**	NT	**0.2**	**0.1**	<0.1	NT	<0.001	NT	NT	NT	NT	NT	<0.001	NT	<0.001
74	11/13	**0.0016**	<0.1	<0.001	<0.001	**0.125**	NT	NT	**1.29**	NT	NT	**0.25**	**0.266**	NT	**0.16**	**0.187**	<0.1	NT	<0.1	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001
75	06/14	**0.002**	<0.1	<0.001	<0.001	<0.1	NT	NT	<0.1	NT	NT	**0.2**	<0.1	NT	**0.1**	<0.1	**0.4**	NT	<0.001	<0.001	**0.2**	**0.1**	<0.1	**0.1**	<0.001	<0.1	<0.001
76	08/14	**0.001**	<0.1	<0.001	<0.001	<0.1	NT	NT	**0.1**	NT	NT	**0.2**	**0.2**	NT	<0.1	**0.1**	<0.1	NT	<0.01	NT	NT	NT	NT	NT	<0.001	NT	<0.001
77	11/14	<0.001	<0.1	<0.001	<0.001	<0.1	NT	NT	**1.2**	NT	NT	**0.2**	**0.2**	NT	<0.1	<0.1	**0.4**	NT	<0.01	<0.001	**0.4**	**0.2**	<0.1	<0.1	<0.001	<0.001	<0.001
78	06/15	<0.001	<0.001	<0.001	<0.001	**0.2**	NT	NT	<0.1	NT	NT	**0.2**	**0.2**	NT	**0.3**	**0.2**	**0.4**	NT	**0.08**	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001

NOTE: Please refer to last page for table notes.

TABLE 5D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**1,1-Dichloroethane**																									
Round Number	Sample Date	NH AGQS = 0.081 GZ-2	GZ-3A	GZ-403U	GZ-404U	GZ-405U	GZ-502	GZ-508U	GZ-601U	GZ-602U	GZ-604U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-612U	GZ-614U	GZ-618U	GZ-701U	GZ-801U	GZ-802US	GZ-802UD	GZ-803U	SW-2	SW-6	SW-8
		GW-2 = 0.130																							Surface Water WQCTS = NA		
Start of Bioremediation Pilot Test																											
17	07/97	**0.17**	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
18	12/97	**0.38**	<0.04	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.22**	NT
19	04/98	<0.2	<0.05	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.0056**	NT
20	07/98	**0.052**	**0.028**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
21	11/98	<0.1	**0.0075**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.51**	NT
22	3,5/99	<0.04	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
23	07/99	**0.099**	**0.0016**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
24	12/99	**0.053**	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.05	NT
Start of Full-Scale Bioremediation																											
25	06/00	**0.033**	**0.02**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.01	NT
26	07/00	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
27	08/00	**0.12**	**0.001**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
28	12/00	<0.005	<0.02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.1	NT
29	01/01	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
30	06-07/01	<0.01	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
31	09-10/01	**0.42**	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.007**	NT
32	12/01	**0.23**	**0.007**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.01**	NT
33	01/02	**0.18**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT	NT
34	02/02	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	**0.022**	NT
35	06/02	**0.0013**	**0.001**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.0069**	NT
36	10/02	**0.12**	**0.01**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	**0.03**	NT
37	01/03	**0.027**	**0.02**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	**0.03**	NT
38	07/03	**0.01**	**0.007**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.05	NT
39	12/03	**0.05**	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	**0.03**	NT
40	02/04	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
41	06/04	**0.01**	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	**0.03**	NT
42	08/04	**0.031**	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	**0.036**	NT
43	11/04	**0.01**	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	**0.13**	NT
44	01/05	NT	NT	<0.002	**0.003**	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
45	06/05	<0.01	**0.05**	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	**0.03**	NT
46	08/05	**0.03**	**0.04**	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	NT	NT
47	11/05	<0.002	**0.0023**	<0.002	**0.014**	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.067**	NT
48	12/05	NT	NT	NT	NT	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
49	05/06	NT	NT	NT	NT	NT	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
50	06/06	<0.001	<0.0025	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001	NT
51	08/06	**0.022**	**0.0014**	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.13**	NT
52	10/06	NT	NT	NT	NT	NT	NT	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
53	12/06	<0.025	**0.013**	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.058**	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
55	02/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
56	05/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
57	07/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
58	08/07	**0.028**	**0.13**	<0.001	**0.017**	<0.5	NT	NT	**1.3**	<0.05	<0.001	**1.9**	**0.15**	<0.001	**0.18**	**0.062**	<0.25	**0.71**	<0.05	NI	NI	NI	NI	NI	<0.001	<0.05	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
60	11/07	<0.025	**0.052**	<0.001	**0.0098**	<0.25	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	<0.001	**0.069**	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
62	08/08	<0.001	**0.033**	<0.001	**0.0098**	<0.5	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	<0.001	<0.025	NT
63	11/08	<0.001	**0.0034**	<0.001	<0.025	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	<0.001	**0.074**	NT
64	09/09	**0.02**	**0.027**	<0.001	**0.027**	<0.5	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	<0.001	**0.064**	NT
65	11/09	<0.0025	**0.0026**	<0.001	**0.022**	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	NI	NI	NI	NI	<0.001	**0.095**	NT
66	08/10	**0.06**	**0.05**	<0.002	**0.029**	<1.0	NT	NT	**0.3**	NT	NT	<2.0	<5.0	NT	<0.50	<1.0	<0.50	NT	<0.020	NT	NI	NI	NI	NI	<0.002	NT	<0.002
67	11/10	**0.087**	**0.07**	<0.002	**0.027**	<1.0	NT	NT	<2.0	NT	NT	**2**	<2.0	NT	<0.20	<1.0	<0.50	NT	**0.009**	NT	NI	NI	NI	NI	<0.002	<0.002	<0.002
68	08/11	**0.10**	**0.03**	<0.001	**0.014**	<0.5	<0.001	<0.001	**0.28**	<0.01	<0.001	**1.3**	<2.5	<0.001	<0.1	<0.1	<0.50	<0.25	**0.0013**	NT	**0.28**	<5.0	<0.50	<0.50	<0.001	<0.001	<0.001
69	11-12/11	<0.001	<0.001	<0.001	**0.017**	<1.0	NT	NT	**0.082**	NT	NT	<1.0	<0.25	NT	<0.1	<0.1	<0.50	NT	**0.001**	NT	NT	NT	NT	NT	<0.001	**0.12**	<0.001
70	05/12	**0.0165**	**0.169**	<0.001	**0.0172**	<1	NT	NT	<1	NT	NT	<2.5	<2	NT	<0.5	<0.25	<2	NT	<0.1	NT	NT	NT	NT	NT	<0.001	**0.104**	<0.001
71	08/12	**0.135**	**0.184**	<0.001	**0.0147**	<0.001	NT	NT	**0.304**	NT	NT	**0.163**	<0.1	NT	<0.1	<0.1	**0.006**	NT	**0.0064**	NT	NT	NT	NT	NT	<0.001	NT	<0.001
72	11/12	**0.25**	**0.235**	<0.001	**0.0141**	<0.1	NT	NT	<1	NT	NT	<1	<1	NT	<1	<1	**0.123**	NT	**0.0015**	NT	NT	NT	NT	NT	<0.001	**0.001**	<0.001
73	08/13	**0.1**	**0.4**	<0.001	**0.01**	<0.1	NT	NT	**0.3**	NT	NT	**1**	<0.1	NT	<0.1	<0.1	<0.1	NT	**0.001**	NT	NT	NT	NT	NT	<0.001	NT	<0.001
74	11/13	**0.103**	**0.532**	<0.001	**0.0102**	<0.1	NT	NT	**0.878**	NT	NT	**0.84**	<0.1	NT	<0.1	<0.1	<0.1	NT	<0.1	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001
75	06/14	**0.02**	**0.2**	<0.001	**0.01**	<0.1	NT	NT	**0.4**	NT	NT	**0.6**	<0.1	NT	<0.1	<0.1	**0.2**	NT	<0.001	<0.001	**0.3**	**0.2**	<0.1	<0.1	<0.001	**0.2**	<0.001
76	08/14	**0.08**	**0.2**	<0.001	**0.008**	<0.1	NT	NT	**0.9**	NT	NT	**0.5**	<0.1	NT	<0.1	<0.1	<0.1	NT	**0.01**	NT	NT	NT	NT	NT	<0.001	NT	<0.001
77	11/14	**0.02**	**0.3**	<0.001	**0.006**	<0.1	NT	NT	**1.2**	NT	NT	**0.6**	<0.1	NT	<0.1	<0.1	**0.2**	NT	**0.04**	<0.001	**1.1**	**1.1**	<0.1	<0.1	<0.001	**0.005**	<0.001
78	06/15	**0.02**	**0.1**	<0.001	**0.006**	<0.1	NT	NT	**0.3**	NT	NT	**0.1**	<0.1	NT	<0.1	<0.1	<0.1	NT	**0.03**	NT	NT	NT	NT	NT	<0.001	**0.03**	<0.001

NOTE: Please refer to last page for table notes.

TABLE 5D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Vinyl Chloride**																								
Round Number	Sample Date	NH AGQS = 0.002 GZ-2	GZ-3A	GW-2 = 0.004 GZ-403U	GZ-404U	GZ-405U	GZ-502	GZ-508U	GZ-601U	GZ-602U	GZ-604U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-612U	GZ-614U	GZ-618U	GZ-701U	GZ-801U	GZ-802US	GZ-802UD	GZ-803U	SW-2	Surface Water WQCTS = 0.002 SW-6	SW-8
Start of Bioremediation Pilot Test																										
17	07/97	**0.11**	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
18	12/97	**4.3**	**0.23**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.12**	NT
19	04/98	<0.2	**0.24**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.014**	NT
20	07/98	<0.1	**0.7**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
21	11/98	**2**	**0.16**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.38**	NT
22	3,5/99	**0.12**	**0.022**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
23	07/99	**0.73**	**0.026**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
24	12/99	**0.095**	**0.018**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.05	NT
Start of Full-Scale Bioremediation																										
25	06/00	<0.025	**0.37**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.01	NT
26	07/00	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
27	08/00	**0.68**	**0.016**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0023**	Dry	NT
28	12/00	<0.05	<0.2	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01	<1.0	NT
29	01/01	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
30	06-07/01	**0.017**	**0.001**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
31	09-10/01	**8.2**	**0.2**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0029**	**0.039**	NT
32	12/01	**4.8**	**0.14**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.01	NT
33	01/02	**2.6**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT	NT
34	02/02	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	**0.01**	NT
35	06/02	**0.0027**	**0.01**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005	NT
36	10/02	**3.3**	**0.6**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.002**	**0.053**	NT
37	01/03	**1.5**	**0.7**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	**0.1**	NT
38	07/03	**1.9**	**0.22**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.3	NT
39	12/03	**2.4**	**0.011**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	**0.07**	NT
40	02/04	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
41	06/04	**0.86**	**0.013**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	**0.24**	NT
42	08/04	**0.73**	**0.013**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	**0.06**	NT
43	11/04	**0.18**	**0.39**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	**0.69**	NT
44	01/05	NT	NT	<0.002	**0.006**	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
45	06/05	**0.44**	**1.9**	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	**0.28**	NT
46	08/05	**2.2**	**1.1**	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	NT	NT
47	11/05	**0.003**	**0.16**	<0.002	**0.051**	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.27**	NT
48	12/05	NT	NT	NT	NT	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
49	05/06	NT	NT	NT	NT	NT	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
50	06/06	**0.0015**	**0.032**	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001	NT
51	08/06	**1.7**	**0.058**	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.11**	NT
52	10/06	NT	NT	NT	NT	NT	NT	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
53	12/06	<0.0025	**0.36**	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.77**	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
55	02/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
56	05/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
57	07/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
58	08/07	**1.4**	**2.6**	<0.001	<0.01	<0.5	NT	NT	**0.12**	<0.05	<0.001	**2.6**	<0.05	<0.001	<0.05	<0.05	<0.25	**3.4**	<0.05	NI	NI	NI	NI	NI	<0.001	**0.23**	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
60	11/07	**0.49**	**1.5**	<0.001	**0.006**	<0.25	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	<0.001	**0.15**	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
62	08/08	**0.006**	**0.65**	<0.001	**0.0023**	<0.5	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	<0.001	<0.025	NT
63	11/08	**0.0017**	**0.1**	<0.001	<0.025	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	<0.001	**1.1**	NT
64	09/09	**0.42**	**0.052**	<0.001	**0.0075**	<0.5	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	<0.001	**8**	NT
65	11/09	**0.035**	**0.017**	<0.001	<0.005	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	NI	NI	NI	NI	<0.001	**0.9**	NT
66	08/10	**1.5**	**0.78**	<0.002	<0.010	<2.0	NT	NT	<0.40	NT	NT	<4.0	<10	NT	<1.0	<2.0	<1.0	NT	**0.090**	NT	NI	NI	NI	NI	<0.002	NT	<0.002
67	11/10	**0.03**	<0.020	<0.002	<0.010	<2.0	NT	NT	<4.0	NT	NT	<2.0	<4.0	NT	<0.40	<2.0	<1.0	NT	**0.035**	NT	NI	NI	NI	NI	<0.002	**0.035**	<0.002
68	08/11	**0.15**	**0.40**	<0.001	<0.0025	<0.5	<0.001	<0.001	**0.38**	<0.010	<0.001	**1.9**	<2.5	<0.001	<0.10	<0.10	<0.50	**0.36**	**0.0013**	NT	<0.25	<5.0	<0.50	<0.50	<0.001	<0.001	<0.001
69	11-12/11	<0.001	**0.0016**	<0.001	**0.0048**	<1.0	NT	NT	**0.12**	NT	NT	<1.0	<0.25	NT	<0.10	<0.10	<0.50	NT	**0.001**	NT	NT	NT	NT	NT	<0.001	**0.96**	<0.001
70	05/12	**0.470**	**1.42**	<0.001	**0.0078**	<1	NT	NT	<1	NT	NT	<2.5	<2	NT	<0.5	<0.25	<2	NT	<0.1	NT	NT	NT	NT	NT	<0.001	**1.08**	<0.001
71	08/12	**1.63**	**1.21**	<0.001	**0.0053**	<0.001	NT	NT	**0.974**	NT	NT	**0.229**	<0.1	NT	<0.1	<0.1	**0.0347**	NT	**0.0347**	NT	NT	NT	NT	NT	<0.001	NT	<0.001
72	11/12	**0.616**	**1.66**	<0.001	**0.0016**	<0.1	NT	NT	<1	NT	NT	**1.83**	<1	NT	<1	<1	**0.393**	NT	**0.0205**	NT	NT	NT	NT	NT	<0.001	**0.0022**	<0.001
73	08/13	**3.4**	**3.4**	<0.001	<0.001	<0.1	NT	NT	<0.1	NT	NT	**1.7**	<0.1	NT	<0.1	<0.1	**0.1**	NT	**0.001**	NT	NT	NT	NT	NT	<0.001	NT	<0.001
74	11/13	**0.87**	**4.13**	<0.001	<0.001	<0.1	NT	NT	**1.16**	NT	NT	**1.24**	<0.1	NT	<0.1	<0.1	<0.1	NT	<0.1	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001
75	06/14	**0.6**	**1.5**	<0.001	**0.002**	<0.1	NT	NT	**0.1**	NT	NT	**1.1**	<0.1	NT	<0.1	<0.1	**0.6**	NT	<0.001	<0.001	<0.1	<0.1	<0.1	<0.1	<0.001	**2.3**	<0.001
76	08/14	**0.9**	**1.8**	<0.001	<0.001	<0.1	NT	NT	**0.8**	NT	NT	**0.9**	<0.1	NT	<0.1	<0.1	<0.1	NT	**0.08**	NT	NT	NT	NT	NT	<0.001	NT	<0.001
77	11/14	**0.05**	**2.9**	<0.001	<0.001	<0.1	NT	NT	**1.0**	NT	NT	**1.2**	<0.1	NT	<0.1	<0.1	**0.7**	NT	**0.2**	<0.001	**1.4**	<0.1	<0.1	<0.1	<0.001	<0.001	<0.001
78	06/15	**0.2**	**0.5**	<0.001	<0.001	<0.1	NT	NT	<0.1	NT	NT	**0.3**	<0.1	NT	<0.1	<0.1	<0.1	NT	**0.03**	NT	NT	NT	NT	NT	<0.001	**0.1**	<0.001

NOTE: Please refer to last page for table notes.

TABLE 5D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Methylene Chloride (Dichloromethane)**																									
Round	Sample	NH AGQS = 0.005		GW-2 = 24.0																							Surface Water WQCTS = 0.0047
Number	Date	GZ-2	GZ-3A	GZ-403U	GZ-404U	GZ-405U	GZ-502	GZ-508U	GZ-601U	GZ-602U	GZ-604U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-612U	GZ-614U	GZ-618U	GZ-701U	GZ-801U	GZ-802US	GZ-802UD	GZ-803U	SW-2	SW-6	SW-8
Start of Bioremediation Pilot Test																											
17	07/97	<0.02	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
18	12/97	<0.1	<0.04	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.02	NT
19	04/98	<0.2	<0.05	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001	NT
20	07/98	<0.05	<0.02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
21	11/98	<0.1	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005	NT
22	3,5/99	<0.08	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
23	07/99	<0.05	<0.0015	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
24	12/99	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.05	NT
Start of Full-Scale Bioremediation																											
25	06/00	<0.025	**0.0047**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.01	NT
26	07/00	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
27	08/00	<0.025	**0.001**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
28	12/00	<0.05	<0.2	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01	<1.0	NT
29	01/01	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
30	06-07/01	<0.01	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
31	09-10/01	<0.005	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005	NT
32	12/01	<0.05	<0.0025	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.01	NT
33	01/02	<0.030	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.004	NT	NT
34	02/02	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	<0.005	NT
35	06/02	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005	NT
36	10/02	<0.005	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.005	NT
37	01/03	<0.03	<0.05	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	<0.05	NT
38	07/03	<0.05	<0.03	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.005	<0.3	NT
39	12/03	<0.05	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.005	<0.05	NT
40	02/04	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
41	06/04	<0.05	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.005	<0.050	NT
42	08/04	<0.005	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.005	<0.005	NT
43	11/04	<0.05	<0.05	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.005	<0.1	NT
44	01/05	NT	NT	<0.005	<0.005	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
45	06/05	<0.05	<0.05	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.005	<0.05	NT
46	08/05	<0.05	<0.05	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.005	NT	NT
47	11/05	<0.002	<0.002	<0.002	<0.005	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005	NT
48	12/05	NT	NT	NT	NT	<0.010	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
49	05/06	NT	NT	NT	NT	NT	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
50	06/06	<0.002	<0.0025	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.002	NT
51	08/06	<0.001	<0.001	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001	NT
52	10/06	NT	NT	NT	NT	NT	NT	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
53	12/06	<0.0025	<0.001	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.0025	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
55	02/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
56	05/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
57	07/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
58	08/07	<0.001	<0.005	<0.001	<0.01	<0.5	NT	NT	<0.05	<0.05	<0.001	<0.05	<0.05	<0.001	<0.05	<0.05	<0.25	<0.25	<0.1	NI	NI	NI	NI	NI	<0.001	<0.05	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
60	11/07	<0.050	<0.020	<0.002	<0.002	<0.50	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	<0.002	<0.050	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
62	08/08	<0.002	<0.050	<0.002	<0.002	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	<0.002	<0.050	NT
63	11/08	<0.002	<0.002	<0.002	<0.050	<2.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	<0.002	<0.002	NT
64	09/09	<0.005	<0.005	<0.002	<0.010	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	<0.001	<0.100	NT
65	11/09	<0.005	<0.005	<0.002	<0.010	<2.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	NI	NI	NI	NI	<0.001	<0.050	NT
66	08/10	<0.050	<0.050	<0.005	<0.030	<5.0	NT	NT	<1.0	NT	NT	<10	<30	NT	<3.0	<5.0	<3.0	NT	<0.10	NT	NI	NI	NI	NI	<0.005	NT	<0.005
67	11/10	<0.030	<0.050	<0.005	<0.030	<5.0	NT	NT	<10	NT	NT	<5.0	<10	NT	<1.0	<5.0	<3.0	NT	<0.005	NT	NI	NI	NI	NI	<0.005	<0.005	<0.005
68	08/11	<0.002	<0.005	<0.002	<0.005	<1.0	<0.002	<0.002	<0.2	<0.020	<0.002	<2.0	<5.0	<0.002	<0.2	<0.2	<1.0	<0.5	<0.002	NT	<0.5	<10	<1.0	<1.0	<0.002	<0.002	<0.002
69	11-12/11	<0.002	<0.002	<0.002	<0.005	<2.0	NT	NT	<0.1	NT	NT	<2.0	<5.0	NT	<0.2	<0.2	<1.0	NT	<0.001	NT	NT	NT	NT	NT	<0.002	<0.050	<0.002
70	05/12	<0.01	<0.05	<0.002	<0.01	<1.0	NT	NT	<1.0	NT	NT	<5	<2.0	NT	<1	<0.5	<4	NT	<0.2	NT	NT	NT	NT	NT	<0.002	<0.1	<0.002
71	08/12	<0.004	<0.004	<0.004	<0.004	<0.004	NT	NT	<0.4	NT	NT	<0.4	<0.4	NT	<0.4	<0.4	<0.004	NT	<0.004	NT	NT	NT	NT	NT	<0.004	NT	<0.004
72	11/12	<0.04	<0.4	<0.004	<0.004	<0.4	NT	NT	<4	NT	NT	<4	<4	NT	<4	<4	<0.4	NT	<0.004	NT	NT	NT	NT	NT	<0.004	<0.004	<0.004
73	08/13	<0.004	<0.4	<0.004	<0.004	<0.4	NT	NT	<0.4	NT	NT	<0.4	<0.4	NT	<0.4	<0.4	<0.4	NT	<0.004	NT	NT	NT	NT	NT	<0.004	NT	<0.004
74	11/13	<0.004	<0.4	<0.004	<0.004	<0.4	NT	NT	<0.4	NT	NT	<0.4	<0.4	NT	<0.4	<0.4	<0.4	NT	<0.4	NT	NT	NT	NT	NT	<0.004	<0.004	<0.004
75	06/14	<0.004	<0.4	<0.004	<0.004	<0.4	NT	NT	<0.4	NT	NT	<0.4	<0.4	NT	<0.4	<0.4	<0.4	NT	<0.004	<0.004	<0.4	<0.4	<0.4	<0.4	<0.004	<0.4	<0.004
76	08/14	<0.004	<0.4	<0.004	<0.004	<0.4	NT	NT	<0.4	NT	NT	<0.4	<0.4	NT	<0.4	<0.4	<0.4	NT	<0.04	NT	NT	NT	NT	NT	<0.004	NT	<0.004
77	11/14	<0.004	<0.4	<0.004	<0.004	<0.4	NT	NT	<0.4	NT	NT	<0.4	<0.4	NT	<0.4	<0.4	<0.4	NT	<0.04	<0.004	<0.4	<0.4	<0.4	<0.4	<0.004	<0.004	<0.004
78	06/15	<0.004	<0.004	<0.004	<0.004	<0.4	NT	NT	<0.4	NT	NT	<.0.4	<0.4	NT	<0.4	<0.4	<0.4	NT	<0.004	NT	NT	NT	NT	NT	<0.004	<0.004	<0.004

NOTE: Please refer to last page for table notes.

TABLE 5D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Chloroethane**																								
Round	Sample	NH AGQS/GW-2 = NA																								Surface Water WQCTS = NA
Number	Date	GZ-2	GZ-3A	GZ-403U	GZ-404U	GZ-405U	GZ-502	GZ-508U	GZ-601U	GZ-602U	GZ-604U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-612U	GZ-614U	GZ-618U	GZ-701U	GZ-801U	GZ-802US	GZ-802UD	GZ-803U	SW-2	SW-6	SW-8
Start of Bioremediation Pilot Test																										
17	07/97	<0.02	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
18	12/97	<0.1	<0.04	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.02	NT
19	04/98	<0.2	<0.05	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001	NT
20	07/98	<0.05	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
21	11/98	<0.1	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005	NT
22	3,5/99	<0.04	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
23	07/99	<0.025	<0.0015	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
24	12/99	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.05	NT
Start of Full-Scale Bioremediation																										
25	06/00	<0.025	**0.18**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.01	NT
26	07/00	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
27	08/00	<0.025	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
28	12/00	<0.05	<0.2	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01	<1.0	NT
29	01/01	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
30	06-07/01	<0.01	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
31	09-10/01	<0.005	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005	NT
32	12/01	<0.05	<0.0025	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.01	NT
33	01/02	**0.022**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	NT	NT
34	02/02	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	<0.005	NT
35	06/02	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005	NT
36	10/02	**0.063**	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.005	<0.005	NT
37	01/03	<0.03	<0.05	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	<0.05	NT
38	07/03	<0.05	<0.1	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.005	<0.3	NT
39	12/03	**0.05**	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.005	<0.05	NT
40	02/04	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
41	06/04	<0.05	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.005	<0.05	NT
42	08/04	**0.039**	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.005	<0.005	NT
43	11/04	<0.05	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.005	<0.1	NT
44	01/05	NT	NT	<0.005	<0.005	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
45	06/05	<0.05	<0.05	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.005	<0.05	NT
46	08/05	**0.17**	<0.05	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.005	NT	NT
47	11/05	**0.008**	<0.002	<0.002	<0.005	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005	NT
48	12/05	NT	NT	NT	NT	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
49	05/06	NT	NT	NT	NT	NT	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
50	06/06	**0.0015**	<0.0025	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001	NT
51	08/06	**0.074**	<0.001	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.0037**	NT
52	10/06	NT	NT	NT	NT	NT	NT	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
53	12/06	**0.0039**	<0.01	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.0025	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
55	02/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
56	05/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
57	07/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
58	08/07	<0.001	<0.005	<0.001	<0.01	<0.5	NT	NT	<0.05	<0.05	<0.001	<0.05	<0.05	<0.001	<0.05	<0.05	<0.25	<0.25	<0.05	NI	NI	NI	NI	NI	<0.001	<0.05	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
60	11/07	**0.097**	<0.001	<0.001	**0.0024**	<0.25	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	<0.001	<0.025	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
62	08/08	**0.0023**	<0.025	<0.001	<0.001	<0.5	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	<0.001	<0.025	NT
63	11/08	<0.001	<0.001	<0.001	<0.025	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	<0.001	<0.001	NT
64	09/09	**0.086**	**0.28**	<0.001	**0.028**	<0.5	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	<0.001	**0.58**	NT
65	11/09	**0.0054**	**0.032**	<0.001	**0.027**	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	NI	NI	NI	NI	<0.001	<0.025	NT
66	08/10	**0.21**	**0.32**	<0.005	<0.030	<5.0	NT	NT	<1.0	NT	NT	<10	<30	NT	<3.0	<5.0	<3.0	NT	<0.10	NT	NI	NI	NI	NI	<0.005	NT	<0.005
67	11/10	**0.24**	**0.69**	<0.005	<0.030	<5.0	NT	NT	<10	NT	NT	<5.0	<10	NT	<1.0	<5.0	<3.0	NT	<0.005	NT	NI	NI	NI	NI	<0.005	<0.005	<0.005
68	08/11	**0.12**	**0.26**	<0.001	<0.0025	<0.5	<0.001	<0.001	<0.10	<0.010	<0.001	<1.0	<2.5	<0.001	<0.1	<0.1	<0.5	<0.25	**0.001**	NT	<0.25	<5.0	<0.50	<0.50	<0.001	<0.001	<0.001
69	11-12/11	<0.001	**0.0079**	<0.001	**0.0051**	<1.0	NT	NT	<0.05	NT	NT	<1.0	<0.25	NT	<0.1	<0.1	<0.5	NT	**0.0016**	NT	NT	NT	NT	NT	<0.001	**0.094**	<0.001
70	05/12	**0.0222**	**0.0742**	<0.001	<0.005	<1	NT	NT	<1	NT	NT	<2.5	<2	NT	<0.5	<0.25	<2	NT	<0.1	NT	NT	NT	NT	NT	<0.001	<0.05	<0.001
71	08/12	**0.0672**	**0.085**	<0.002	**0.0022**	<0.002	NT	NT	<0.2	NT	NT	<0.2	<0.2	NT	<0.2	<0.2	<0.002	NT	<0.002	NT	NT	NT	NT	NT	<0.002	NT	<0.002
72	11/12	**0.172**	<0.2	<0.002	<0.002	<0.2	NT	NT	<2	NT	NT	<2	<2	NT	<2	<2	<0.2	NT	<0.002	NT	NT	NT	NT	NT	<0.002	<0.002	<0.002
73	08/13	**0.1**	<0.2	**0.002**	**0.002**	<0.2	NT	NT	<0.2	NT	NT	<0.2	<0.2	NT	<0.2	<0.2	<0.2	NT	<0.002	NT	NT	NT	NT	NT	<0.002	NT	<0.002
74	11/13	**0.0551**	<0.2	<0.002	<0.002	<0.2	NT	NT	<0.2	NT	NT	<0.2	<0.2	NT	<0.2	<0.2	<0.2	NT	<0.2	NT	NT	NT	NT	NT	<0.002	<0.002	<0.002
75	06/14	**0.04**	<0.2	<0.002	<0.002	<0.2	NT	NT	<0.2	NT	NT	<0.2	<0.2	NT	<0.2	<0.2	<0.2	NT	<0.002	<0.002	<0.2	<0.2	<0.2	<0.2	<0.002	<0.2	<0.002
76	08/14	**0.06**	<0.2	<0.002	<0.002	<0.2	NT	NT	<0.2	NT	NT	<0.2	<0.2	NT	<0.2	<0.2	<0.2	NT	<0.02	NT	NT	NT	NT	NT	<0.002	NT	<0.002
77	11/14	**0.01**	<0.2	<0.002	<0.002	<0.2	NT	NT	<0.2	NT	NT	<0.2	<0.2	NT	<0.2	<0.2	<0.2	NT	<0.2	<0.002	<0.2	<0.2	<0.2	<0.2	<0.002	<0.002	<0.002
78	06/15	**0.03**	**0.1**	<0.002	<0.002	<0.2	NT	NT	<0.2	NT	NT	<0.2	<0.2	NT	<0.2	<0.2	<0.2	NT	<0.002	NT	NT	NT	NT	NT	<0.002	<0.002	<0.002

NOTE: Please refer to last page for table notes.

TABLE 5D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Chloroform (Trichloromethane)**																								
Round	Sample	NH AGQS = 0.07 GW-2 = 0.070																								Surface Water WQCTS = 0.0057
Number	Date	GZ-2	GZ-3A	GZ-403U	GZ-404U	GZ-405U	GZ-502	GZ-508U	GZ-601U	GZ-602U	GZ-604U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-612U	GZ-614U	GZ-618U	GZ-701U	GZ-801U	GZ-802US	GZ-802UD	GZ-803U	SW-2	SW-6	SW-8
Start of Bioremediation Pilot Test																										
17	07/97	<0.04	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
18	12/97	<0.1	<0.04	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.02	NT
19	04/98	<0.2	<0.05	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001	NT
20	07/98	<0.05	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
21	11/98	**0.12**	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005	NT
22	3,5/99	<0.04	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
23	07/99	<0.025	<0.0015	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
24	12/99	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.05	NT
Start of Full-Scale Bioremediation																										
25	06/00	<0.025	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.01	NT
26	07/00	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
27	08/00	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
28	12/00	<0.005	<0.02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.1	NT
29	01/01	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
30	06-07/01	<0.01	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry	NT
31	09-10/01	<0.005	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005	NT
32	12/01	<0.05	<0.0025	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.01	NT
33	01/02	<0.01	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT	NT
34	02/02	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	<0.005	NT
35	06/02	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005	NT
36	10/02	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.002	NT
37	01/03	<0.005	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	<0.01	NT
38	07/03	<0.01	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.05	NT
39	12/03	<0.01	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.01	NT
40	02/04	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
41	06/04	<0.01	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.01	NT
42	08/04	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.002	NT
43	11/04	<0.01	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.02	NT
44	01/05	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
45	06/05	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
46	08/05	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
47	11/05	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
48	12/05	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
49	05/06	NT	NT	NT	NT	NT	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
50	06/06	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
51	08/06	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
52	10/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
53	12/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
55	02/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
56	05/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
57	07/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
58	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
60	11/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
62	08/08	<0.001	<0.025	<0.001	<0.001	<0.5	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	<0.001	<0.025	NT
63	11/08	<0.001	<0.001	<0.001	<0.025	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	<0.001	<0.001	NT
64	09/09	<0.0025	<0.0025	<0.001	<0.005	<0.5	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	<0.001	<0.05	NT
65	11/09	<0.0025	<0.0025	<0.001	<0.005	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	NI	NI	NI	NI	<0.001	<0.025	NT
66	08/10	<0.010	<0.010	<0.002	<0.005	<1.0	NT	NT	<0.20	NT	NT	<2.0	<5.0	NT	<0.50	<1.0	<0.50	NT	<0.020	NT	NI	NI	NI	NI	<0.002	NT	<0.002
67	11/10	<0.005	<0.010	<0.002	<0.005	<1.0	NT	NT	<2.0	NT	NT	<1.0	<2.0	NT	<0.20	<1.0	<0.50	NT	<0.002	NT	NI	NI	NI	NI	<0.002	<0.002	<0.002
68	08/11	<0.001	<0.0025	<0.001	<0.0025	<0.5	<0.001	<0.001	<0.1	<0.010	<0.001	<1.0	<2.5	<0.001	<0.10	<0.10	<0.50	<0.25	<0.001	NT	<0.25	<5.0	<0.5	<0.5	<0.001	<0.001	<0.001
69	11-12/11	<0.001	<0.001	<0.001	<0.0025	<1.0	NT	NT	<0.05	NT	NT	<1.0	<0.25	NT	<0.10	<0.10	<0.50	NT	<0.001	NT	NT	NT	NT	NT	<0.001	<0.025	<0.001
70	05/12	<0.005	<0.025	<0.001	<0.005	<1	NT	NT	<1	NT	NT	<2.5	<2	NT	<0.5	<0.25	<2	NT	<0.1	NT	NT	NT	NT	NT	<0.001	<0.05	<0.001
71	08/12	<0.001	<0.001	<0.001	<0.001	<0.001	NT	NT	<0.1	NT	NT	<0.1	<0.1	NT	<0.1	<0.1	<0.001	NT	<0.001	NT	NT	NT	NT	NT	<0.001	NT	<0.001
72	11/12	<0.01	<0.1	<0.001	<0.001	<0.1	NT	NT	<1	NT	NT	<1	<1	NT	<1	<1	<0.1	NT	<0.001	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001
73	08/13	<0.001	<0.1	<0.001	<0.001	<0.1	NT	NT	<0.1	NT	NT	<0.1	<0.1	NT	<0.1	<0.1	<0.1	NT	<0.001	NT	NT	NT	NT	NT	<0.001	NT	<0.001
74	11/13	<0.001	<0.1	<0.001	<0.001	<0.1	NT	NT	<0.1	NT	NT	<0.1	<0.1	NT	<0.1	<0.1	<0.1	NT	<0.1	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001
75	06/14	<0.001	<0.1	<0.001	<0.001	<0.1	NT	NT	<0.1	NT	NT	<0.1	<0.1	NT	<0.1	<0.1	<0.1	NT	<0.001	<0.001	<0.1	<0.1	<0.1	<0.1	<0.001	<0.1	<0.001
76	08/14	<0.001	<0.1	<0.001	<0.001	<0.1	NT	NT	<0.1	NT	NT	<0.1	<0.1	NT	<0.1	<0.1	<0.1	NT	<0.01	NT	NT	NT	NT	NT	<0.001	NT	<0.001
77	11/14	<0.001	<0.1	<0.001	<0.001	<0.1	NT	NT	<0.1	NT	NT	<0.1	<0.1	NT	<0.1	<0.1	<0.1	NT	<0.01	<0.001	<0.1	<0.1	<0.1	<0.1	<0.001	<0.001	<0.001
78	06/15	<0.001	<0.001	<0.001	<0.001	<0.1	NT	NT	<0.1	NT	NT	<0.1	<0.1	NT	<0.1	<0.1	<0.1	NT	<0.001	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001

NOTE: Please refer to last page for table notes.

TABLE 5D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Benzene**																								
Round	Sample	NH AGQS = 0.005 GW-2 = 2.9																								Surface Water WQCTS = 0.0012
Number	Date	GZ-2	GZ-3A	GZ-403U	GZ-404U	GZ-405U	GZ-502	GZ-508U	GZ-601U	GZ-602U	GZ-604U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-612U	GZ-614U	GZ-618U	GZ-701U	GZ-801U	GZ-802US	GZ-802UD	GZ-803U	SW-2	SW-6	SW-8
Start of Bioremediation Pilot Test																										
17	07/97	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	Dry	NT
18	12/97	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
19	04/98	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
20	07/98	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	Dry	NT
21	11/98	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
22	3,5/99	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	Dry	NT
23	07/99	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	Dry	NT
24	12/99	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
Start of Full-Scale Bioremediation																										
25	06/00	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
26	07/00	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
27	08/00	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
28	12/00	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
29	01/01	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
30	06-07/01	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
31	09-10/01	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
32	12/01	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
33	01/02	<0.01	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT	NT
34	02/02	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
35	06/02	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
36	10/02	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
37	01/03	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
38	07/03	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
39	12/03	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
40	02/04	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
41	06/04	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
42	08/04	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
43	11/04	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
44	01/05	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
45	06/05	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
46	08/05	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
47	11/05	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
48	12/05	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
49	05/06	NT	NT	NT	NT	NT	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
50	06/06	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
51	08/06	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
52	10/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
53	12/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
55	02/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
56	05/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
57	07/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
58	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
60	11/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
62	08/08	<0.001	<0.025	<0.001	<0.001	<0.5	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	<0.001	<0.025	NT
63	11/08	<0.001	<0.001	<0.001	<0.025	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	<0.001	<0.001	NT
64	09/09	**0.005**	<0.0025	<0.001	<0.005	<0.5	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	<0.001	<0.05	NT
65	11/09	<0.0025	<0.0025	<0.001	<0.005	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	NI	NI	NI	NI	<0.001	<0.025	NT
66	08/10	<0.010	<0.010	<0.001	<0.005	<1.0	NT	NT	<0.20	NT	NT	<2.0	<5.0	NT	<0.50	<1.0	<0.50	NT	<0.020	NT	NI	NI	NI	NI	<0.001	NT	<0.001
67	11/10	**0.014**	<0.010	<0.001	<0.005	<1.0	NT	NT	<2.0	NT	NT	<1.0	<2.0	NT	<0.20	<1.0	<0.50	NT	<0.001	NT	NI	NI	NI	NI	<0.001	<0.001	<0.001
68	08/11	**0.011**	<0.0025	<0.001	<0.0025	<0.5	<0.001	<0.001	<0.10	<0.010	<0.001	<1.0	<2.5	<0.001	<0.10	<0.10	<0.50	<0.25	<0.001	NT	<0.25	<5.0	<0.50	<0.50	<0.001	<0.001	<0.001
69	11-12/11	<0.001	<0.001	<0.001	<0.0025	<1.0	NT	NT	<0.05	NT	NT	<1.0	<0.25	NT	<0.10	<0.10	<0.50	NT	<0.001	NT	NT	NT	NT	NT	<0.001	<0.025	<0.001
70	05/12	<0.005	<0.025	<0.001	<0.005	<1	NT	NT	<1	NT	NT	<2.5	<2	NT	<0.5	<0.25	<2	NT	<0.1	NT	NT	NT	NT	NT	<0.001	<0.05	<0.001
71	08/12	**0.009**	<0.001	<0.001	<0.001	<0.001	NT	NT	<0.1	NT	NT	<0.1	<0.1	NT	<0.1	<0.1	<0.001	NT	<0.001	NT	NT	NT	NT	NT	<0.001	NT	<0.001
72	11/12	**0.0171**	<0.1	<0.001	<0.001	<0.1	NT	NT	<1	NT	NT	<1	<1	NT	<1	<1	<0.1	NT	<0.001	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001
73	08/13	**0.01**	<0.1	<0.001	<0.001	<0.1	NT	NT	<0.1	NT	NT	<0.1	<0.1	NT	<0.1	<0.1	<0.1	NT	**0.001**	NT	NT	NT	NT	NT	<0.001	NT	<0.001
74	11/13	**0.006**	<0.1	<0.001	<0.001	<0.1	NT	NT	**0.128**	NT	NT	<0.1	<0.1	NT	<0.1	<0.1	<0.1	NT	<0.1	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001
75	06/14	**0.002**	<0.1	<0.001	<0.001	<0.1	NT	NT	<0.1	NT	NT	<0.1	<0.1	NT	<0.1	<0.1	<0.1	NT	<0.001	<0.001	<0.1	<0.1	<0.1	<0.1	<0.001	<0.1	<0.001
76	08/14	**0.005**	<0.1	<0.001	<0.001	<0.1	NT	NT	<0.1	NT	NT	<0.1	<0.1	NT	<0.1	<0.1	<0.1	NT	<0.01	NT	NT	NT	NT	NT	<0.001	NT	<0.001
77	11/14	<0.001	<0.1	<0.001	<0.001	<0.1	NT	NT	**0.1**	NT	NT	<0.1	<0.1	NT	<0.1	<0.1	<0.1	NT	<0.01	<0.001	<0.1	**0.1**	<0.1	<0.1	<0.001	<0.001	<0.001
78	06/15	<0.001	**0.001**	<0.001	<0.001	<0.1	NT	NT	<0.1	NT	NT	<0.1	<0.1	NT	<0.1	<0.1	<0.1	NT	**0.001**	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001

NOTE: Please refer to last page for table notes.

TABLE 5D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Toluene**																								
Round	Sample	NH AGQS = 1.0 GW-2 = 50																								Surface Water WQCTS = 6.8
Number	Date	GZ-2	GZ-3A	GZ-403U	GZ-404U	GZ-405U	GZ-502	GZ-508U	GZ-601U	GZ-602U	GZ-604U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-612U	GZ-614U	GZ-618U	GZ-701U	GZ-801U	GZ-802US	GZ-802UD	GZ-803U	SW-2	SW-6	SW-8
Start of Bioremediation Pilot Test																										
17	07/97	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	Dry	NT
18	12/97	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
19	04/98	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
20	07/98	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	Dry	NT
21	11/98	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
22	3,5/99	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	Dry	NT
23	07/99	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	Dry	NT
24	12/99	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
Start of Full-Scale Bioremediation																										
25	06/00	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
26	07/00	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
27	08/00	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
28	12/00	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
29	01/01	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
30	06-07/01	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
31	09-10/01	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
32	12/01	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
33	01/02	0.1	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT	NT
34	02/02	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
35	06/02	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
36	10/02	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
37	01/03	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
38	07/03	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
39	12/03	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
40	02/04	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
41	06/04	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
42	08/04	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
43	11/04	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
44	01/05	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
45	06/05	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
46	08/05	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
47	11/05	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
48	12/05	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
49	05/06	NT	NT	NT	NT	NT	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
50	06/06	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
51	08/06	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
52	10/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
53	12/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
55	02/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
56	05/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
57	07/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
58	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
60	11/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
62	08/08	**0.077**	**0.048**	<0.001	<0.001	**1.2**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	<0.001	<0.025	NT
63	11/08	**0.012**	**0.0058**	<0.001	<0.025	**1.6**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	<0.001	**0.014**	NT
64	09/09	**0.088**	**0.16**	<0.001	<0.005	**2.1**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	<0.001	**0.18**	NT
65	11/09	**0.0044**	**0.014**	<0.001	<0.005	**1.8**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	NI	NI	NI	NI	<0.001	**0.044**	NT
66	08/10	**0.19**	**0.25**	<0.001	<0.005	**3**	NT	NT	0.5	NT	NT	**6**	**7**	NT	**1.5**	**1**	**1**	NT	<0.020	NT	NI	NI	NI	NI	<0.001	NT	<0.001
67	11/10	**0.36**	**0.64**	<0.001	<0.005	**3**	NT	NT	**5**	NT	NT	**5**	**3**	NT	**0.4**	**2**	**3.4**	NT	<0.001	NT	NI	NI	NI	NI	<0.001	<0.001	<0.001
68	08/11	**0.20**	**0.17**	<0.001	<0.0025	**2.5**	<0.001	<0.001	**0.11**	<0.010	<0.001	**5.5**	**4.1**	<0.001	**0.73**	**0.22**	**2.8**	**1.1**	<0.001	NT	<0.25	**16**	**9.8**	**3.7**	<0.001	<0.001	<0.001
69	11-12/11	<0.001	**0.0052**	<0.001	<0.0025	**2.6**	NT	NT	<0.05	NT	NT	**1.6**	**0.62**	NT	**0.24**	<0.10	**2.4**	NT	<0.001	NT	NT	NT	NT	NT	<0.001	**0.039**	<0.001
70	05/12	**0.0225**	**0.119**	<0.001	<0.005	**1.73**	NT	NT	**1.46**	NT	NT	**4.90**	<2	NT	<0.5	**0.250**	**7.04**	NT	<0.1	NT	NT	NT	NT	NT	<0.001	**0.078**	<0.001
71	08/12	**0.12**	**0.126**	<0.001	<0.001	**0.0305**	NT	NT	**0.124**	NT	NT	**0.694**	**3.21**	NT	**0.682**	**0.446**	**0.0117**	NT	<0.001	NT	NT	NT	NT	NT	<0.001	NT	<0.001
72	11/12	**0.28**	**0.199**	<0.001	<0.001	**0.529**	NT	NT	**4.09**	NT	NT	**2.6**	**1.59**	NT	<1	**1.11**	**2.51**	NT	<0.001	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001
73	08/13	**0.1**	**0.4**	<0.001	<0.001	**1.6**	NT	NT	**0.9**	NT	NT	**3.6**	**2.2**	NT	**1.6**	**0.9**	**0.5**	NT	<0.001	NT	NT	NT	NT	NT	<0.001	NT	<0.001
74	11/13	**0.0583**	**0.308**	<0.001	<0.001	**2.48**	NT	NT	**4.76**	NT	NT	**2.04**	**4.45**	NT	**0.726**	**0.422**	<0.1	NT	<0.1	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001
75	06/14	**0.03**	**0.2**	<0.001	<0.001	**0.7**	NT	NT	**0.1**	NT	NT	**2.5**	**0.3**	NT	**1.3**	<0.1	**4.5**	NT	<0.001	<0.001	**0.1**	**3.4**	<0.1	**3.1**	<0.001	<0.1	<0.001
76	08/14	**0.05**	**0.2**	<0.001	<0.001	**0.8**	NT	NT	**0.6**	NT	NT	**1.4**	**2.2**	NT	**0.1**	**0.3**	<0.1	NT	<0.01	NT	NT	NT	NT	NT	<0.001	NT	<0.001
77	11/14	<0.001	**0.3**	<0.001	<0.001	**0.9**	NT	NT	**4.0**	NT	NT	**1.3**	**2.7**	NT	**0.4**	**0.2**	**3.7**	NT	<0.01	<0.001	**1.1**	**5.7**	**0.2**	**1.8**	<0.001	<0.001	<0.001
78	06/15	**0.008**	**0.1**	<0.001	<0.001	**0.5**	NT	NT	**1.5**	NT	NT	**0.7**	**0.4**	NT	**0.7**	**0.2**	**1.7**	NT	**0.005**	NT	NT	NT	NT	NT	<0.001	**0.007**	<0.001

NOTE: Please refer to last page for table notes.

TABLE 5D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Ethylbenzene**																								
Round	Sample	NH AGQS = 0.7 GW-2 = 1.5																								Surface Water WQCTS = 3.10
Number	Date	GZ-2	GZ-3A	GZ-403U	GZ-404U	GZ-405U	GZ-502	GZ-508U	GZ-601U	GZ-602U	GZ-604U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-612U	GZ-614U	GZ-618U	GZ-701U	GZ-801U	GZ-802US	GZ-802UD	GZ-803U	SW-2	SW-6	SW-8
Start of Bioremediation Pilot Test																										
17	07/97	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	Dry	NT
18	12/97	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
19	04/98	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
20	07/98	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	Dry	NT
21	11/98	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
22	3,5/99	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	Dry	NT
23	07/99	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	Dry	NT
24	12/99	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
Start of Full-Scale Bioremediation																										
25	06/00	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
26	07/00	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
27	08/00	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
28	12/00	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
29	01/01	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
30	06-07/01	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
31	09-10/01	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
32	12/01	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
33	01/02	**0.012**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT	NT
34	02/02	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
35	06/02	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
36	10/02	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
37	01/03	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
38	07/03	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
39	12/03	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
40	02/04	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
41	06/04	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
42	08/04	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
43	11/04	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
44	01/05	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
45	06/05	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
46	08/05	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
47	11/05	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
48	12/05	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
49	05/06	NT	NT	NT	NT	NT	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
50	06/06	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
51	08/06	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
52	10/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
53	12/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
55	02/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
56	05/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
57	07/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
58	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
60	11/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
62	08/08	**0.0011**	<0.025	<0.001	<0.001	<0.5	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	<0.001	<0.025	NT
63	11/08	<0.001	**0.0011**	<0.001	<0.025	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	<0.001	<0.001	NT
64	09/09	**0.016**	**0.036**	<0.001	<0.005	<0.5	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	<0.001	<0.05	NT
65	11/09	<0.0025	**0.0037**	<0.001	<0.005	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	NI	NI	NI	NI	<0.001	<0.025	NT
66	08/10	**0.01**	**0.07**	<0.001	<0.005	<1.0	NT	NT	<0.20	NT	NT	<2.0	<5.0	NT	<0.50	<1.0	<0.50	NT	**0.04**	NT	NI	NI	NI	NI	<0.001	NT	<0.001
67	11/10	**0.058**	**0.18**	<0.001	<0.005	<1.0	NT	NT	<2.0	NT	NT	<1.0	<2.0	NT	<0.20	<1.0	<0.50	NT	**0.03**	NT	NI	NI	NI	NI	<0.001	<0.001	<0.001
68	08/11	**0.035**	**0.057**	<0.001	<0.0025	<0.5	<0.001	<0.001	<0.10	<0.010	<0.001	<1.0	<2.5	<0.001	**0.2**	<0.10	<0.50	**0.25**	**0.029**	NT	<0.25	<5.0	**4.0**	**0.95**	<0.001	<0.001	<0.001
69	11-12/11	<0.001	**0.0012**	<0.001	<0.0025	<1.0	NT	NT	<0.050	NT	NT	<1.0	<0.25	NT	<0.10	<0.10	<0.50	NT	**0.023**	NT	NT	NT	NT	NT	<0.001	<0.025	<0.001
70	05/12	<0.005	**0.0512**	<0.001	<0.005	<1	NT	NT	<1	NT	NT	<2.5	<2	NT	<0.5	<0.25	<2	NT	<0.1	NT	NT	NT	NT	NT	<0.001	<0.05	<0.001
71	08/12	**0.0267**	**0.0700**	<0.001	<0.001	**0.0048**	NT	NT	<0.1	NT	NT	<0.1	**0.314**	NT	**0.111**	<0.1	**0.003**	NT	**0.0272**	NT	NT	NT	NT	NT	<0.001	NT	<0.001
72	11/12	**0.078**	<0.1	<0.001	<0.001	**0.101**	NT	NT	<1	NT	NT	<1	<1	NT	<1	<1	**0.172**	NT	**0.005**	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001
73	08/13	**0.04**	**0.1**	<0.001	<0.001	**0.3**	NT	NT	<0.1	NT	NT	**0.5**	**0.2**	NT	**0.1**	<0.1	<0.1	NT	**0.05**	NT	NT	NT	NT	NT	<0.001	NT	<0.001
74	11/13	**0.0118**	**0.116**	<0.001	<0.001	**0.377**	NT	NT	**0.188**	NT	NT	**0.116**	**0.271**	NT	<0.1	<0.1	<0.1	NT	<0.1	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001
75	06/14	**0.008**	<0.1	<0.001	<0.001	**0.1**	NT	NT	<0.1	NT	NT	**0.2**	<0.1	NT	**0.2**	<0.1	**0.3**	NT	**0.01**	<0.001	<0.1	**0.2**	**0.5**	**0.8**	<0.001	<0.1	<0.001
76	08/14	**0.02**	<0.1	<0.001	<0.001	**0.2**	NT	NT	<0.1	NT	NT	**0.1**	**0.2**	NT	<0.1	<0.1	<0.1	NT	**0.02**	NT	NT	NT	NT	NT	<0.001	NT	<0.001
77	11/14	<0.001	**0.2**	<0.001	<0.001	**0.2**	NT	NT	**0.2**	NT	NT	**0.2**	**0.2**	NT	**0.2**	<0.1	**0.2**	NT	**0.03**	<0.001	<0.1	**0.3**	**0.3**	**0.6**	<0.001	<0.001	<0.001
78	06/15	**0.001**	**0.07**	<0.001	<0.001	**0.1**	NT	NT	<0.1	NT	NT	<0.1	<0.1	NT	**0.1**	<0.1	**0.1**	NT	**0.04**	NT	NT	NT	NT	NT	<0.001	**0.002**	<0.001

NOTE: Please refer to last page for table notes.

TABLE 5D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Total Xylenes**																								
Round	Sample	NH AGQS = 10.0 GW-2 = 17.0																								Surface Water WQCTS = NA
Number	Date	GZ-2	GZ-3A	GZ-403U	GZ-404U	GZ-405U	GZ-502	GZ-508U	GZ-601U	GZ-602U	GZ-604U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-612U	GZ-614U	GZ-618U	GZ-701U	GZ-801U	GZ-802US	GZ-802UD	GZ-803U	SW-2	SW-6	SW-8
Start of Bioremediation Pilot Test																										
17	07/97	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	Dry	NT
18	12/97	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
19	04/98	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
20	07/98	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	Dry	NT
21	11/98	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
22	3,5/99	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	Dry	NT
23	07/99	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	Dry	NT
24	12/99	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
Start of Full-Scale Bioremediation																										
25	06/00	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
26	07/00	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
27	08/00	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
28	12/00	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
29	01/01	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
30	06-07/01	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
31	09-10/01	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
32	12/01	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
33	01/02	**0.048**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.003	NT	NT
34	02/02	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
35	06/02	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
36	10/02	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
37	01/03	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
38	07/03	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
39	12/03	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
40	02/04	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
41	06/04	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
42	08/04	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
43	11/04	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
44	01/05	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
45	06/05	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
46	08/05	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
47	11/05	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
48	12/05	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
49	05/06	NT	NT	NT	NT	NT	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
50	06/06	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
51	08/06	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
52	10/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
53	12/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
55	02/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
56	05/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
57	07/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
58	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT	NT
60	11/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT	NT
62	08/08	**0.0027**	**0.073**	<0.003	<0.003	**1**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	<0.003	<0.075	NT
63	11/08	<0.003	**0.0028**	<0.003	<0.075	<2.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	<0.003	**0.0024**	NT
64	09/09	**0.048**	**0.146**	<0.002	<0.01	**1.6**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	<0.001	<0.1	NT
65	11/09	**0.005**	**0.0155**	<0.002	<0.01	<2.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	NI	NI	NI	NI	NI	<0.001	<0.05	NT
66	08/10	**0.05**	**0.28**	<0.001	<0.005	**2**	NT	NT	<0.20	NT	NT	<2.0	<5.0	NT	**1.2**	<1.0	<0.50	NT	<0.020	NT	NI	NI	NI	NI	<0.001	NT	<0.001
67	11/10	**0.213**	**0.77**	<0.001	<0.005	**1**	NT	NT	<2.0	NT	NT	**1**	<2.0	NT	**0.4**	<1.0	**0.8**	NT	**0.014**	NT	NI	NI	NI	NI	<0.001	<0.001	<0.001
68	08/11	**0.120**	**0.216**	<0.0015	<0.0038	**2.2**	<0.0015	<0.0015	<0.15	<0.015	<0.0015	**2.5**	<3.75	<0.0015	**1.11**	<0.15	<0.75	**1.4**	**0.018**	NT	<0.375	<7.5	**25**	**5.87**	<0.0015	<0.0015	<0.0015
69	11-12/11	<0.015	**0.0041**	<0.0015	<0.0038	<1.5	NT	NT	<0.075	NT	NT	<1.5	<0.375	NT	**0.22**	<0.15	<0.75	NT	**0.0205**	NT	NT	NT	NT	NT	<0.0015	<0.0375	<0.0015
70	05/12	<0.015	**0.1895**	<0.003	<0.015	<3	NT	NT	<3	NT	NT	<7.5	<6	NT	<0.15	<0.75	<6	NT	<0.15	NT	NT	NT	NT	NT	<0.0015	<0.075	<0.0015
71	08/12	**0.1**	**0.149**	<0.001	<0.001	**0.0275**	NT	NT	<0.1	NT	NT	<0.1	**1.6**	NT	**0.557**	<0.1	**0.0102**	NT	**0.0133**	NT	NT	NT	NT	NT	<0.001	NT	<0.001
72	11/12	**0.226**	**0.218**	<0.001	<0.001	**0.483**	NT	NT	<1	NT	NT	<1	<1	NT	<1	<1	**0.781**	NT	**0.0037**	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001
73	08/13	**0.2**	**0.4**	<0.003	<0.003	**1.5**	NT	NT	<0.3	NT	NT	**2.7**	**1**	NT	**0.8**	<0.3	<0.3	NT	**0.03**	NT	NT	NT	NT	NT	<0.003	NT	<0.003
74	11/13	**0.04**	**0.4**	<0.002	<0.002	**2.4**	NT	NT	**1.1**	NT	NT	**0.6**	**1.5**	NT	**0.6**	<0.2	<0.2	NT	<0.2	NT	NT	NT	NT	NT	<0.002	<0.002	<0.002
75	06/14	**0.02**	**0.3**	<0.003	<0.003	**0.9**	NT	NT	<0.3	NT	NT	**1.3**	<0.3	NT	**1.1**	<0.3	**1.6**	NT	<0.003	<0.003	<0.3	**1.2**	**3.7**	**4.6**	<0.003	<0.3	<0.003
76	08/14	**0.05**	<0.3	<0.003	<0.003	**1.1**	NT	NT	<0.3	NT	NT	**0.6**	**0.8**	NT	<0.3	<0.3	<0.3	NT	<0.03	NT	NT	NT	NT	NT	<0.003	NT	<0.003
77	11/14	<0.003	**0.6**	<0.003	<0.003	**1.0**	NT	NT	**1.1**	NT	NT	**0.9**	**0.8**	NT	**1.0**	<0.3	**1.2**	NT	<0.03	<0.003	<0.3	**1.9**	**1.7**	**4.6**	<0.003	<0.003	<0.003
78	06/15	**0.003**	**0.3**	<0.003	<0.003	**0.7**	NT	NT	**0.6**	NT	NT	**0.3**	<0.3	NT	**0.8**	<0.3	**0.7**	NT	**0.05**	NT	NT	NT	NT	NT	<0.003	**0.009**	<0.003

NOTE: Please refer to last page for table notes.

TABLE 5D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Tert-butyl alcohol (TBA)**																								
Round	Sample	NH AGQS = 0.040 GW-2 = NA																								
Number	Date	GZ-2	GZ-3A	GZ-403U	GZ-404U	GZ-405U	GZ-502	GZ-508U	GZ-601U	GZ-602U	GZ-604U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-612U	GZ-614U	GZ-618U	GZ-701U	GZ-801U	GZ-802US	GZ-802UD	GZ-803U	SW-2	SW-6	SW-8
62	08/08	NT	<0.025	**0.061**	<0.72	<25	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
63	11/08	NT	NT	**0.061**	**0.72**	<25	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
64	09/09	<0.063	<0.063	<0.025	**0.14**	<13	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
65	11/09	<0.063	<0.063	<0.025	<0.13	<25	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.063	NI	NI	NI	NI	NT	NT	NT
66	08/10	<0.30	<0.300	**0.060**	<0.200	<30	NT	NT	<6.0	NT	NT	<60	<200	NT	<20	<30	<20	NT	<0.60	NT	NI	NI	NI	NI	<0.030	NT	<0.030
67	11/10	<0.20	<0.300	<0.030	<0.200	<30	NT	NT	<60	NT	NT	<30	<60	NT	<6.0	<30	<20	NT	<0.030	NT	NI	NI	NI	NI	<0.030	<0.030	<0.030
68	08/11	<0.025	<0.063	<0.025	<0.063	<13	<0.025	<0.025	<2.5	<0.25	<0.025	<0.025	<63	<0.025	<2.5	<2.5	<13	<6.3	<0.025	NT	<6.3	<130	<13	<13	<0.025	<0.025	<0.025
69	11-12/11	<0.025	<0.025	**0.057**	**0.099**	<25	NT	NT	<1.3	NT	NT	<25	<6.3	NT	<2.5	<2.5	<13	NT	<0.025	NT	NT	NT	NT	NT	<0.025	<0.63	<0.025
70	06/12	<0.125	<0.625	<0.025	**0.200**	<25	NT	NT	<25	NT	NT	<62.5	<50	NT	<12.5	<6.25	<50	NT	<2.5	NT	NT	NT	NT	NT	<0.025	<1.25	<0.025
71	08/12	<0.025	<0.025	**0.0331**	**0.029**	<0.025	NT	NT	<2.5	NT	NT	<2.5	<2.5	NT	<2.5	<2.5	<0.025	NT	<0.025	NT	NT	NT	NT	NT	<0.025	NT	<0.025
72	11/12	<0.25	<2.5	<0.025	**0.0609**	<2.5	NT	NT	<25	NT	NT	<25	<25	NT	<25	<25	<2.5	NT	<0.025	NT	NT	NT	NT	NT	<0.025	<0.025	<0.025
73	08/13	<0.02	<2.5	**0.05**	**0.1**	**2.5**	NT	NT	<2.5	NT	NT	<2.5	<2.5	NT	<2.5	<2.5	<2.5	NT	<0.02	NT	NT	NT	NT	NT	<0.02	NT	<0.02
74	11/13	<0.025	<2.5	<0.025	**0.0954**	<2.5	NT	NT	<2.5	NT	NT	<2.5	<2.5	NT	<2.5	<2.5	<2.5	NT	<2.5	NT	NT	NT	NT	NT	<0.025	<0.025	<0.025
75	06/14	<0.02	<2.5	<0.02	**0.08**	<2.5	NT	NT	<2.5	NT	NT	<2.5	<2.5	NT	<2.5	<2.5	<2.5	NT	<0.02	<0.02	<2.5	<2.5	<2.5	<2.5	<0.02	<2.5	<0.02
76	08/14	<0.02	<2.5	<0.02	**0.1**	<2.5	NT	NT	<2.5	NT	NT	<2.5	<2.5	NT	<2.5	<2.5	<2.5	NT	<0.2	NT	NT	NT	NT	NT	<0.02	NT	<0.02
77	11/14	<0.02	<2.5	<0.02	**0.09**	<2.5	NT	NT	<2.5	NT	NT	<2.5	<2.5	NT	<2.5	<2.5	<2.5	NT	<0.2	<0.02	<2.5	<2.5	<2.5	<2.5	<0.02	<0.02	<0.02
78	06/15	<0.02	<0.02	<0.02	**0.09**	<2.5	NT	NT	<2.5	NT	NT	<2.5	<2.5	NT	<2.5	<2.5	<2.5	NT	<0.02	NT	NT	NT	NT	NT	<0.02	<0.02	<0.02

Contaminant:		**tert-Amyl methyl ether (TAME)**																								
Round	Sample	NH AGQS = 0.140 GW-2 = NA																								
Number	Date	GZ-2	GZ-3A	GZ-403U	GZ-404U	GZ-405U	GZ-502	GZ-508U	GZ-601U	GZ-602U	GZ-604U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-612U	GZ-614U	GZ-618U	GZ-701U	GZ-801U	GZ-802US	GZ-802UD	GZ-803U	SW-2	SW-6	SW-8
62	08/08	<0.001	<0.002	<0.002	**0.012**	<2.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
63	11/08	<0.002	<0.002	<0.002	<0.05	<2.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
64	09/09	<0.005	<0.005	<0.002	**0.01**	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
65	11/09	<0.005	<0.0025	<0.002	<0.01	<2.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.002	NI	NI	NI	NI	NT	NT	NT
66	08/10	<0.050	<0.050	<0.005	<0.030	<5.0	NT	NT	<1.0	NT	NT	<10	<30	NT	<3.0	<5.0	<3.0	NT	<0.10	NT	NI	NI	NI	NI	<0.005	NT	<0.005
67	11/10	<0.030	<0.050	<0.005	<0.030	<5.0	NT	NT	<10	NT	NT	<5.0	<10	NT	<1.0	<5.0	<3.0	NT	<0.005	NT	NI	NI	NI	NI	<0.005	<0.005	<0.005
68	08/11	<0.002	<0.005	<0.002	**0.0064**	<1.0	<0.002	<0.002	<0.2	<0.020	<0.002	<2.0	<5.0	<0.002	<0.2	<0.2	<1.0	<0.5	<0.002	NT	<0.5	<10	<1.0	<1.0	<0.002	<0.002	<0.002
69	11-12/11	<0.002	<0.002	<0.002	**0.007**	<2.0	NT	NT	<0.1	NT	NT	<2.0	<0.5	NT	<0.2	<0.2	<1.0	NT	<0.002	NT	NT	NT	NT	NT	<0.002	<0.05	<0.002
70	06/12	<0.01	<0.05	<0.002	<0.01	<2	NT	NT	<2	NT	NT	<5	<4	NT	<1	<0.5	<4	NT	<0.2	NT	NT	NT	NT	NT	<0.002	<0.1	<0.002
71	08/12	<0.001	<0.001	<0.001	**0.0038**	<0.001	NT	NT	<0.1	NT	NT	<0.1	<0.1	NT	<0.1	<0.1	<0.001	NT	<0.001	NT	NT	NT	NT	NT	<0.001	NT	<0.001
72	11/12	<0.01	<0.1	**0.0019**	**0.0046**	<0.1	NT	NT	<1	NT	NT	<1	<1	NT	<1	<1	<0.1	NT	<0.001	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001
73	08/13	<0.001	<0.1	<0.001	**0.002**	<0.1	NT	NT	<0.1	NT	NT	<0.1	<0.1	NT	<0.1	<0.1	<0.1	NT	<0.001	NT	NT	NT	NT	NT	<0.001	NT	<0.001
74	11/13	<0.001	<0.1	<0.001	**0.0014**	<0.1	NT	NT	<0.1	NT	NT	<0.1	<0.1	NT	<0.1	<0.1	<0.1	NT	<0.1	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001
75	06/14	<0.001	<0.1	<0.001	**0.001**	<0.1	NT	NT	<0.1	NT	NT	<0.1	<0.1	NT	<0.1	<0.1	<0.1	NT	<0.001	<0.001	<0.1	<0.1	<0.1	<0.1	<0.001	<0.1	<0.001
76	08/14	<0.001	<0.1	<0.001	<0.001	<0.1	NT	NT	<0.1	NT	NT	<0.1	<0.1	NT	<0.1	<0.1	<0.1	NT	<0.01	NT	NT	NT	NT	NT	<0.001	NT	<0.001
77	11/14	**0.001**	<0.1	<0.001	<0.001	<0.1	NT	NT	<0.1	NT	NT	<0.1	<0.1	NT	<0.1	<0.1	<0.1	NT	<0.01	<0.001	<0.1	<0.1	<0.1	<0.1	<0.001	<0.001	<0.001
78	06/15	<0.001	<0.001	<0.001	<0.001	<0.1	NT	NT	<0.1	NT	NT	<0.1	<0.1	NT	<0.1	<0.1	<0.1	NT	<0.001	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001

NOTE: Please refer to last page for table notes.

TABLE 5D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**1,4-Dioxane**																									
Round	Sample	NH AGQS = 0.003 GW-2 = NA																									Surface Water WQCTS = NA
Number	Date	GZ-2	GZ-3A	GZ-403U	GZ-404U	GZ-405U	GZ-502	GZ-508U	GZ-601U	GZ-602U	GZ-604U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-612U	GZ-614U	GZ-618U	GZ-701U	GZ-801U	GZ-802US	GZ-802UD	GZ-803U	SW-2	SW-6	SW-8
62	08/08	<0.003	<0.003	<0.003	<0.003	<0.03	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	<0.003	<0.003	NT
63	11/08	<0.001	<0.001	<0.001	0.0012	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	<0.001	<0.001	NT
64	09/09	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
65	11/09	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NT	NT	NT
66	08/10	NT	NT	NT	**0.002**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NT	NT	NT
67	11/10	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NT	NT	NT
68	08/11	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
69	11-12/11	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
70	06/12	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
71	08/12	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
72	11/12	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
73	08/13	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
74	11/13	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
75	06/14	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
76	08/14	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
77	11/14	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
78	06/15	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Contaminant:		**Methyl-Tert-Butyl-Ether (MTBE)**																									
Round	Sample	NH AGQS = 0.013 GW-2 = 2.6																									
Number	Date	GZ-2	GZ-3A	GZ-403U	GZ-404U	GZ-405U	GZ-502	GZ-508U	GZ-601U	GZ-602U	GZ-604U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-612U	GZ-614U	GZ-618U	GZ-701U	GZ-801U	GZ-802US	GZ-802UD	GZ-803U	SW-2	SW-6	SW-8
62	08/08	<0.001	<0.025	**0.072**	**0.80**	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
63	11/08	<0.001	<0.001	**0.077**	**0.88**	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
64	09/09	<0.0025	<0.0025	**0.014**	**0.69**	<0.5	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
65	11/09	<0.0025	<0.0025	**0.012**	**0.6**	<1.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	**0.042**	NI	NI	NI	NI	NT	NT	NT
66	08/10	<0.010	<0.010	**0.036**	**0.73**	<1.0	NT	NT	<0.20	NT	NT	<2.0	<5.0	NT	<0.50	<1.0	<0.50	NT	<0.020	NT	NI	NI	NI	NI	<0.005	NT	<0.005
67	11/10	<0.005	<0.010	<0.005	**0.77**	<1.0	NT	NT	<2.0	NT	NT	<1.0	<2.0	NT	<0.20	<1.0	<0.50	NT	<0.005	NT	NI	NI	NI	NI	<0.005	<0.005	<0.005
68	08/11	<0.001	<0.0025	**0.0019**	**0.46**	<0.5	<0.001	<0.001	<0.10	<0.010	<0.001	<1.0	<2.5	<0.001	<0.10	<0.10	<0.50	<0.25	<0.001	NT	<0.25	<5.0	<0.50	<0.50	<0.001	<0.001	<0.001
69	11-12/11	<0.001	<0.001	**0.013**	**0.43**	<1.0	NT	NT	<0.05	NT	NT	<1.0	<0.25	NT	<0.10	<0.10	<0.50	NT	<0.001	NT	NT	NT	NT	NT	<0.001	<0.025	<0.001
70	06/12	<0.005	<0.025	**0.0029**	**0.274**	<1	NT	NT	<1	NT	NT	<2.5	<2	NT	<0.5	<0.25	<2	NT	<0.1	NT	NT	NT	NT	NT	<0.001	<0.05	<0.001
71	08/12	<0.001	<0.001	**0.0082**	**0.36**	<0.001	NT	NT	<0.1	NT	NT	<0.1	<0.1	NT	<0.1	<0.1	<0.001	NT	<0.001	NT	NT	NT	NT	NT	<0.001	NT	<0.001
72	11/12	<0.01	<0.1	**0.0019**	**0.397**	<0.1	NT	NT	<1	NT	NT	<1	<1	NT	<1	<1	<0.1	NT	<0.001	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001
73	08/13	<0.001	<0.1	**0.01**	**0.2**	<0.1	NT	NT	<0.1	NT	NT	<0.1	<0.1	NT	<0.1	<0.1	<0.1	NT	<0.001	NT	NT	NT	NT	NT	<0.001	NT	<0.001
74	11/13	<0.001	<0.1	**0.0047**	**0.126**	<0.1	NT	NT	<0.1	NT	NT	<0.1	<0.1	NT	<0.1	<0.1	<0.1	NT	<0.1	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001
75	06/14	<0.001	<0.1	**0.002**	**0.09**	<0.1	NT	NT	<0.1	NT	NT	<0.1	<0.1	NT	<0.1	<0.1	<0.1	NT	<0.001	**0.003**	<0.1	<0.1	<0.1	<0.1	<0.001	<0.1	<0.001
76	08/14	<0.001	<0.1	**0.002**	**0.07**	<0.1	NT	NT	<0.1	NT	NT	<0.1	<0.1	NT	<0.1	<0.1	<0.1	NT	<0.01	NT	NT	NT	NT	NT	<0.001	NT	<0.001
77	11/14	**0.07**	<0.1	**0.001**	**0.05**	<0.1	NT	NT	<0.1	NT	NT	<0.1	<0.1	NT	<0.1	<0.1	<0.1	NT	<0.01	**0.001**	<0.1	<0.1	<0.1	<0.1	<0.001	<0.001	<0.001
78	06/15	<0.001	<0.001	**0.002**	**0.04**	<0.1	NT	NT	<0.1	NT	NT	<0.1	<0.1	NT	<0.1	<0.1	<0.1	NT	<0.001	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001

NOTE: Please refer to last page for table notes.

TABLE 5D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Methane**																								
Round	Sample	NH AGQS/GW-2 = NA																								
Number	Date	GZ-2	GZ-3A	GZ-403U	GZ-404U	GZ-405U	GZ-502	GZ-508U	GZ-601U	GZ-602U	GZ-604U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-612U	GZ-614U	GZ-618U	GZ-701U	GZ-801U	GZ-802US	GZ-802UD	GZ-803U	SW-2	SW-6	SW-8
Start of Bioremediation Pilot Test																										
17	07/97	**0.37**	<0.015	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
18	12/97	**0.37**	**0.38**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
19	04/98	<0.01	**9**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
20	07/98	**0.1**	**27**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
21	11/98	**5.6**	**89**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
22	3,5/99	**0.32**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
23	07/99	**0.32**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
24	12/99	**0.11**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
Start of Full-Scale Bioremediation																										
25	06/00	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
26	07/00	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
27	08/00	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
28	12/00	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
29	01/01	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
30	06-07/01	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
31	09-10/01	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
32	12/01	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
33	01/02	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
34	02/02	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
35	06/02	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
36	10/02	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
37	01/03	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
38	07/03	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
39	12/03	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
40	02/04	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
41	06/04	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
42	08/04	**5.8**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
43	11/04	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
44	01/05	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
45	06/05	**11**	**10**	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
46	08/05	**5.3**	**5.3**	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
47	11/05	**11**	**11**	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
48	12/05	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
49	05/06	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
50	06/06	<9.5	<9.5	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
51	08/06	<13	<16	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
52	10/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
53	12/06	**7**	<15	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
55	02/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
56	05/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
57	07/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
58	08/07	<12	<11	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
60	11/07	**7.1**	**6.7**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
62	08/08	**3.7**	**5.5**	**0.031**	**1.4**	**0.2**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
63	11/08	**0.44**	**8.7**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
64	09/09	**12**	**82**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
65	11/09	**2.6**	**4.6**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NT	NT	NT
66	08/10	**6.9**	**9.2**	**0.04**	**1.7**	**0.58**	NT	NT	**0.03**	NT	NT	**4.6**	**0.08**	NT	**2.9**	**0.24**	**2.9**	NT	**2.2**	NT	NI	NI	NI	NI	NT	NT	NT
67	11/10	**7.8**	**7.8**	<0.020	**0.27**	**1.5**	NT	NT	**0.04**	NT	NT	**3.6**	<0.020	NT	**1.6**	**0.11**	**0.88**	NT	**1.5**	NT	NI	NI	NI	NI	NT	NT	NT
68	08/11	**11**	**14**	**0.29**	**3.0**	**1.3**	NT	NT	**0.029**	NT	NT	**5.1**	**0.08**	NT	**4.1**	**0.84**	**5.3**	NT	**3.8**	NT	NT	NT	NT	NT	NT	NT	NT
69	11-12/11	<0.01	**16**	**0.12**	**5.3**	**2.3**	NT	NT	**0.16**	NT	NT	**6.4**	**0.030**	NT	**5.8**	**0.39**	**7.4**	NT	**7.2**	NT	NT	NT	NT	NT	NT	NT	NT
70	06/12	**1.30**	**7.26**	**0.0160**	**2.20**	**0.450**	NT	NT	**0.0740**	NT	NT	**2.28**	**0.0650**	NT	**1.08**	**0.266**	**2.79**	NT	**2.26**	NT	NT	NT	NT	NT	NT	NT	NT
71	08/12	**5.78**	**7.700**	**0.0166**	**2.52**	**0.555**	NT	NT	**0.0328**	NT	NT	**4.88**	**0.0091**	NT	**0.722**	**0.152**	**2.17**	NT	**2.12**	NT	NT	NT	NT	NT	NT	NT	NT
72	11/12	**5.87**	**8.68**	**0.0131**	**4.88**	**0.739**	NT	NT	**0.0315**	NT	NT	**6.95**	**0.0132**	NT	**0.441**	**0.277**	**0.521**	NT	**0.608**	NT	NT	NT	NT	NT	NT	NT	NT
73	08/13	**6.38**	**7.49**	**0.0449**	**2.9**	**0.515**	NT	NT	**0.0311**	NT	NT	**5.19**	<0.002	NT	**1.01**	**0.0362**	**2.32**	NT	**2.71**	NT	NT	NT	NT	NT	NT	NT	NT
74	11/13	**5.49**	**5.11**	**0.0308**	**1.38**	**1.35**	NT	NT	**0.0358**	NT	NT	**3.55**	**0.0033**	NT	**0.68**	**0.214**	**1.02**	NT	**1.87**	NT	NT	NT	NT	NT	NT	NT	NT
75	06/14	**2.07**	**7.82**	**0.0345**	**4.22**	**0.334**	NT	NT	**0.0072**	NT	NT	**4.31**	<0.002	NT	**0.773**	**0.0574**	**2.06**	NT	**1.5**	NT	NT	NT	NT	NT	NT	NT	NT
76	08/14	**7.36**	**5.95**	**0.0298**	**4.2**	**0.500**	NT	NT	**0.0274**	NT	NT	**5.28**	**0.0076**	NT	**0.577**	**0.130**	**1.38**	NT	**1.94**	NT	NT	NT	NT	NT	NT	NT	NT
77	11/14	**3.38**	**7.13**	**0.0187**	**1.33**	**0.506**	NT	NT	**0.0166**	NT	NT	**6.19**	**0.0110**	NT	**1.05**	**1.33**	**0.450**	NT	**1.69**	NT	NT	NT	NT	NT	NT	NT	NT
78	06/15	**2.02**	**14.6**	**0.0607**	**0.656**	**0.215**	NT	NT	**0.0037**	NT	NT	**4.62**	<0.002	NT	**0.746**	**0.065**	**1.34**	NT	**1.71**	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 5D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Ethane**																								
Round Number	Sample Date	NH AGQS/GW-2 = NA																								
		GZ-2	GZ-3A	GZ-403U	GZ-404U	GZ-405U	GZ-502	GZ-508U	GZ-601U	GZ-602U	GZ-604U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-612U	GZ-614U	GZ-618U	GZ-701U	GZ-801U	GZ-802US	GZ-802UD	GZ-803U	SW-2	SW-6	SW-8
42	08/04	**0.03**	<0.02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
No Analysis for Parameter between 2004 and 2007																										
58	08/07	<0.1	<0.1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
60	11/07	<0.1	<0.1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
62	08/08	<0.1	<0.1	<0.01	<0.1	<0.01	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
63	11/08	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
64	09/09	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
65	11/09	<0.1	<0.1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NT	NT	NT
66	08/10	<0.10	**0.9**	<0.020	**0.03**	<0.020	NT	NT	<0.020	NT	NT	<0.100	<0.020	NT	<0.10	<0.020	<0.10	NT	0.020	NT	NI	NI	NI	NI	NT	NT	NT
67	11/10	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NT	NT	NT
68	08/11	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
69	11-12/11	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
70	06/12	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
71	08/12	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
72	11/12	**0.107**	**0.127**	<0.003	**0.0438**	<0.003	NT	NT	<0.003	NT	NT	**0.0466**	<0.003	NT	<0.003	<0.003	<0.003	NT	<0.003	NT	NT	NT	NT	NT	NT	NT	NT
73	08/13	**0.25**	**0.0925**	<0.0048	**0.0289**	<0.003	NT	NT	<0.003	NT	NT	**0.0929**	<0.003	NT	**0.0041**	<0.003	<0.003	NT	**0.0096**	NT	NT	NT	NT	NT	NT	NT	NT
74	11/13	**0.219**	**0.153**	<0.003	**0.0241**	<0.003	NT	NT	<0.003	NT	NT	**0.0328**	<0.003	NT	<0.003	<0.003	<0.003	NT	**0.0071**	NT	NT	NT	NT	NT	NT	NT	NT
75	06/14	**0.0672**	**0.18**	<0.003	**0.0294**	<0.003	NT	NT	<0.003	NT	NT	**0.0782**	<0.003	NT	<0.003	<0.003	<0.003	NT	**0.0056**	NT	NT	NT	NT	NT	NT	NT	NT
76	08/14	**0.366**	**0.0602**	<0.003	**0.0256**	<0.003	NT	NT	<0.003	NT	NT	**0.0589**	<0.003	NT	<0.003	<0.003	<0.003	NT	**0.0059**	NT	NT	NT	NT	NT	NT	NT	NT
77	11/14	**0.102**	**0.0794**	<0.003	**0.0180**	<0.003	NT	NT	**0.0061**	NT	NT	**0.0761**	<0.003	NT	**0.0057**	<0.003	<0.003	NT	**0.0050**	NT	NT	NT	NT	NT	NT	NT	NT
78	06/15	**0.116**	**0.512**	<0.003	**0.0174**	<0.003	NT	NT	**0.0072**	NT	NT	**0.0445**	<0.003	NT	**0.0063**	<0.003	<0.003	NT	**0.0091**	NT	NT	NT	NT	NT	NT	NT	NT

Contaminant:		**Ethene**																								
Round Number	Sample Date	NH AGQS/GW-2 = NA																								
		GZ-2	GZ-3A	GZ-403U	GZ-404U	GZ-405U	GZ-502	GZ-508U	GZ-601U	GZ-602U	GZ-604U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-612U	GZ-614U	GZ-618U	GZ-701U	GZ-801U	GZ-802US	GZ-802UD	GZ-803U	SW-2	SW-6	SW-8
42	08/04	**0.13**	<0.02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
43	11/04	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
44	01/05	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
45	06/05	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
46	08/05	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
47	11/05	**0.26**	**0.18**	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
48	12/05	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
49	05/06	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
50	06/06	**0.05**	**0.087**	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
51	08/06	**0.23**	**0.076**	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
52	10/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
53	12/06	<0.1	<0.1	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
55	02/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
56	05/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
57	07/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
58	08/07	<0.1	<0.1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
60	11/07	<0.1	<0.1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
62	08/08	<0.1	<0.1	<0.01	<0.1	<0.01	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
63	11/08	<0.1	<0.1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
64	09/09	<1.0	**0.74**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
65	11/09	<0.1	<0.1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NT	NT	NT
66	08/10	**1.4**	**1.2**	<0.020	**0.04**	<0.020	NT	NT	<0.020	NT	NT	**0.60**	<0.020	NT	<0.10	<0.020	<0.10	NT	**0.020**	NT	NI	NI	NI	NI	NT	NT	NT
67	11/10	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NT	NT	NT
68	08/11	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
69	11-12/11	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
70	06/12	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
71	08/12	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
72	11/12	**1.47**	**0.641**	<0.005	<0.005	<0.005	NT	NT	**0.0068**	NT	NT	**0.202**	<0.005	NT	<0.005	<0.005	**0.0099**	NT	<0.005	NT	NT	NT	NT	NT	NT	NT	NT
73	08/13	**2**	**0.519**	<0.0066	<0.0066	<0.005	NT	NT	<0.005	NT	NT	**0.548**	<0.005	NT	<0.005	<0.005	**0.0054**	NT	<0.005	NT	NT	NT	NT	NT	NT	NT	NT
74	11/13	**1.34**	**1.06**	<0.005	<0.005	<0.005	NT	NT	**0.0142**	NT	NT	**0.125**	<0.005	NT	<0.005	<0.005	<0.005	NT	**0.0088**	NT	NT	NT	NT	NT	NT	NT	NT
75	06/14	**0.389**	**1.77**	<0.005	<0.005	<0.005	NT	NT	<0.005	NT	NT	**0.285**	<0.005	NT	<0.005	<0.005	**0.0309**	NT	<0.005	NT	NT	NT	NT	NT	NT	NT	NT
76	08/14	**1.16**	**0.568**	<0.005	<0.005	<0.005	NT	NT	**0.0087**	NT	NT	**0.173**	<0.005	NT	<0.005	<0.005	<0.005	NT	**0.0197**	NT	NT	NT	NT	NT	NT	NT	NT
77	11/14	**0.119**	**0.763**	<0.005	<0.005	<0.005	NT	NT	**0.0175**	NT	NT	**0.218**	<0.005	NT	<0.005	<0.005	**0.0188**	NT	**0.0217**	NT	NT	NT	NT	NT	NT	NT	NT
78	06/15	**0.294**	**1.31**	<0.005	<0.005	<0.005	NT	NT	**0.0072**	NT	NT	**0.069**	<0.005	NT	<0.005	<0.005	**0.0076**	NT	**0.0115**	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 5D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Iron**																								
Round	Sample	NH AGQS/GW-2 = NA																								
Number	Date	GZ-2	GZ-3A	GZ-403U	GZ-404U	GZ-405U	GZ-502	GZ-508U	GZ-601U	GZ-602U	GZ-604U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-612U	GZ-614U	GZ-618U	GZ-701U	GZ-801U	GZ-802US	GZ-802UD	GZ-803U	SW-2	SW-6	SW-8
1	08/87	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
2	10/87	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
3	11/88	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
4	02/89	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
5	02/91	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
6	02-03/92	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
7	04/94	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
8	08/94	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
9	11/94	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
10	04/95	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
11	08/95	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
12	12/95	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
13	05/96	**0.041**	**0.009**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
14	07/96	<0.007	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
15	11/96	**0.029**	**0.267**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
16	04/97	**0.007**	<0.007	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
17	07/97	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
18	12/97	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
No Analysis for Parameter after 1997																										

Contaminant:		**Manganese**																								
Round	Sample	NH AGQS = 0.84 GW-2 = NA																								
Number	Date	GZ-2	GZ-3A	GZ-403U	GZ-404U	GZ-405U	GZ-502	GZ-508U	GZ-601U	GZ-602U	GZ-604U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-612U	GZ-614U	GZ-618U	GZ-701U	GZ-801U	GZ-802US	GZ-802UD	GZ-803U	SW-2	SW-6	SW-8
1	08/87	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
2	10/87	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
3	11/88	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
4	02/89	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
5	02/91	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
6	02-03/92	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
7	04/94	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
8	08/94	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
9	11/94	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
10	04/95	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
11	08/95	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
12	12/95	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
13	05/96	**0.007**	**0.011**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
14	07/96	**0.037**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
15	11/96	**0.018**	**0.114**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
16	04/97	**0.006**	**0.003**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
17	07/97	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
18	12/97	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
No Analysis for Parameter after 1997																										

NOTE: Please refer to last page for table notes.

TABLE 5D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Chloride**																								
Round	Sample	NH AGQS/GW-2 = NA																								Surface Water WQCTS = 230
Number	Date	GZ-2	GZ-3A	GZ-403U	GZ-404U	GZ-405U	GZ-502	GZ-508U	GZ-601U	GZ-602U	GZ-604U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-612U	GZ-614U	GZ-618U	GZ-701U	GZ-801U	GZ-802US	GZ-802UD	GZ-803U	SW-2	SW-6	SW-8
Start of Bioremediation Pilot Test																										
17	07/97	**21**	**2**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	Dry	NT
18	12/97	**37.5**	**175**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
19	04/98	**13**	**21**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
20	07/98	**14**	**3**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
21	11/98	**12**	**12**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
22	3,5/99	**9**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
23	07/99	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
24	12/99	**12**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
Start of Full-Scale Bioremediation																										
25	06/00	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
26	07/00	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
27	08/00	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
28	12/00	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
29	01/01	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
30	06-07/01	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
31	09-10/01	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
32	12/01	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
33	01/02	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
34	02/02	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
35	06/02	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
36	10/02	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
37	01/03	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
38	07/03	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
39	12/03	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
40	02/04	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
41	06/04	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
42	08/04	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
43	11/04	**20**	**10**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
44	01/05	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
45	06/05	**9**	**13**	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
46	08/05	**40**	**11**	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
47	11/05	**7.5**	**4**	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
48	12/05	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
49	05/06	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
50	06/06	**5.9**	**2.6**	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
51	08/06	**0.03**	**1.8**	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
52	10/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
53	12/06	**6.2**	**6.2**	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
55	02/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
56	05/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
57	07/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
58	08/07	**32**	**16**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
60	11/07	**64**	**6.9**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
62	08/08	**5**	**14**	**140**	**160**	**26**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
63	11/08	**4.5**	**8.9**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
64	09/09	**13**	**14**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
65	11/09	**3.7**	**3.6**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NT	NT	NT
No Analysis for Parameter after 2009																										

NOTE: Please refer to last page for table notes.

TABLE 5D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Total Organic Carbon (TOC), Sample Round No. 13,**																								
		Chemical Oxygen Demand (COD), Subsequent Sample Rounds until Round No. 43. Data for that round respectively reflect COD and TOC concentrations.																								
Round Number	Sample Date	NH AGQS/GW-2 = NA																								
		GZ-2	GZ-3A	GZ-403U	GZ-404U	GZ-405U	GZ-502	GZ-508U	GZ-601U	GZ-602U	GZ-604U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-612U	GZ-614U	GZ-618U	GZ-701U	GZ-801U	GZ-802US	GZ-802UD	GZ-803U	SW-2	SW-6	SW-8
Start of Bioremediation Pilot Test																										
17	07/97	**25**	<5	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
18	12/97	**1070**	**2030**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
19	04/98	**15**	**2300**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
20	07/98	**490**	**1300**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
21	11/98	**110**	**170**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
22	03/99	**28**	**131**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
23	07/99	**17**	**469**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
24	12/99	**26**	**45**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
Start of Full-Scale Bioremediation																										
25	06/00	**9**	**38**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
26	07/00	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
27	08/00	**1800**	**100**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
28	12/00	**1400**	**62**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
29	01/01	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
30	06-07/01	**160**	**540**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
31	09-10/01	**1700**	**844**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
32	12/01	**1240**	**5210**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
33	01/02	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
34	02/02	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
35	06/02	**10000**	**280**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
36	10/02	**3100**	**190**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
37	01/03	**490**	**710**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
38	07/03	**4800**	**4000**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
39	12/03	**3000**	**100**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
40	02/04	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
41	06/04	**1800**	**420**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
42	08/04	**1200**	**70**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
43	11/04	**520 / 180**	**1,000 / 310**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
44	01/05	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
45	06/05	**800 / 240**	**620 / 240**	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
46	08/05	**1,500 / 450**	**730 / 170**	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
47	11/05	**330 / 76**	**89 / 26**	NT	NT	**9.3**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
48	12/05	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
49	05/06	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
50	06/06	**470 / 120**	**30 / 16**	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
51	08/06	**1,100 / 350**	**43 / 9.6**	NT	NT	**406**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
52	10/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
53	12/06	**340 / 100**	**280 / 86**	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
55	02/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
56	05/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
57	07/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
58	08/07	**150/520**	**800 / 250**	NT	NT	**370**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
60	11/07	**320/89**	**360/120**	**5**	**8**	**130**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
62	08/08	**62 / 13**	**640 / 200**	61 / 18	**1,200 / 81**	**960 / 280**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
63	11/08	**69 / 7**	**77 / 10**	NT / <5	NT / **7**	NT / **310**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
64	09/09	**100 / 86**	**230 / 85**	NT/<5	NT	NT / **300**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
65	11/09	**43 / 5.4**	**98 / 10**	<5	**7.7**	**310**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	**14**	NI	NI	NI	NI	NI	NT	NT	NT
66	08/10	**80 / 19**	**710 / 270**	14 / 3.1	**32 / 11**	**220 / 80**	NT	NT	**66 / 17**	NT	NT	**380 / 93**	**110 / 28**	NT	**72 / 24**	**36 / 8.4**	**79 / 19**	NT	**180 / 30**	NT	NI	NI	NI	NI	**13**	NT	**13**
67	11/10	**87 / 20**	**620 / 220**	<10 / 2.8	**150 / 9**	**420 / 130**	NT	NT	**170 / 47**	NT	NT	**280 / 74**	**57 / 6**	NT	**43 / 30**	**55 / 11**	**160 / 52**	NT	**79 / 25**	NT	NI	NI	NI	NI	**23**	**150**	**18**
68	08/11	**130 / 22**	**464 / 190**	40 / 5.4	**55 / 11**	**330 / 79**	NT	NT	**110 / 22**	NT	NT	**320 / 59**	**88 / 36**	NT	**77 / 23**	**98 / 32**	**240 / 35**	NT	**134 / 52**	NT	NT	NT	NT	NT	**52**	**82**	**55**
69	11-12/11	<10 / <5.0	**29 / 10**	<10 / <5.0	**34 / 7.5**	**170 / 48**	NT	NT	**39 / 13**	NT	NT	**214 / 42**	**46 / 15**	NT	**144 / 31**	**16 / 6.6**	**79 / 23**	NT	**72 / 23**	NT	NT	NT	NT	NT	**14**	**172**	**14**
70	06/12	<10 / **3.1**	**66 / 14**	<10 / 6.7	**12 / 2.0**	**64 / 17**	NT	NT	**83 / 21**	NT	NT	**253 / 27**	**45 / 17**	NT	**46 / 10**	**38 / 19**	**272 / 29**	NT	**84 / 12**	NT	NT	NT	NT	NT	**14**	**149**	<10
71	08/12	**51 / 7.6**	**87 / 29**	<10 / <5	**20** / <5	**68 / 26**	NT	NT	**92 / 35**	NT	NT	**187 / 36**	**75 / 5.3**	NT	**66 / 13**	**55 / 10**	**332 / 16**	NT	**74** / <5	NT	NT	NT	NT	NT	<10	NT	<10
72	11/12	**32 / 7.9**	**173 / 83**	<10 / 2.5	<10 / **3.2**	**63 / 34**	NT	NT	**242 / 34**	NT	NT	**287 / 62**	**33 / 5.1**	NT	**57 / 21**	**95 / 28**	**159 / 24**	NT	**40 / 19**	NT	NT	NT	NT	NT	<10	**67**	<10
73	08/13	**34 / 7.6**	**97 / 38**	**19 / 5.1**	**103 / 4.2**	**82 / 19**	NT	NT	**126 / 21**	NT	NT	**318 / 37**	**73 / 7.3**	NT	**89 / 20**	**89 / 5.7**	**88 / 19**	NT	**97 / 25**	NT	NT	NT	NT	NT	**21**	NT	<10
74	11/13	**204 / 9.2**	**143 / 46**	**13 / 2.8**	**195 / 3.4**	**96 / 28**	NT	NT	**316 / 56**	NT	NT	**244 / 36**	**73 / 5.2**	NT	**73 / 16**	**23 / 6.5**	**71 / 11**	NT	**88 / 20**	NT	NT	NT	NT	NT	<10	**249**	**32**
75	06/14	**28 / 3.2**	**92 / 28.1**	<10 / **4.1**	**57 / 3.8**	**61 / 11.1**	NT	NT	**77 / 14.9**	NT	NT	**141 / 20.8**	**33 / 8.9**	NT	**62 / 19.9**	**19 / 5.5**	**234 / 39.3**	NT	**47 / 14.6**	NT	NT	NT	NT	NT	**54**	**291**	**46**
76	08/14	**35 / 4.9**	**111 / 32**	< 10 / **3.8**	**28 / 2.3**	**86 / 20**	NT	NT	**217 / 42**	NT	NT	**171 / 21**	**78 / 6.8**	NT	**52 / 19**	**32 / 5.4**	**53 / 13**	NT	**77 / 20**	NT	NT	NT	NT	NT	**17**	NT	**20**
77	11/14	<10 / **2.5**	**112 / 26**	**24 / 5.2**	**47 / 4.0**	**53 / 11**	NT	NT	**2,020 / 280**	NT	NT	**148 / 21**	**55 / 18**	NT	**53 / 14**	**59 / 15**	**210 / 36**	NT	**63 / 25**	NT	NT	NT	NT	NT	<10	**126**	**11**
78	06/15	**38 / 3.2**	**108 / 23**	**18 / 2.8**	**49 / 2.4**	**75 / 13**	NT	NT	**137 / 28**	NT	NT	**114 / 27**	**41 / 7.1**	NT	**91 / 17**	**29 / 5.8**	**149 / 32**	NT	**65 / 18**	NT	NT	NT	NT	NT	**34**	**92**	**35**

NOTE: Please refer to last page for table notes.

TABLE 5D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Nitrate**																								
Round Number	Sample Date	NH AGQS = 10 GW-2 = NA GZ-2	GZ-3A	GZ-403U	GZ-404U	GZ-405U	GZ-502	GZ-508U	GZ-601U	GZ-602U	GZ-604U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-612U	GZ-614U	GZ-618U	GZ-701U	GZ-801U	GZ-802US	GZ-802UD	GZ-803U	SW-2	SW-6	SW-8
Start of Bioremediation Pilot Test																										
17	07/97	**2**	**1.5**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
18	12/97	**0.225**	<4.05	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
19	04/98	<0.05	**0.07**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
20	07/98	<0.05	<0.05	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
21	11/98	<0.05	<0.05	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
22	3,5/99	**1.3**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
23	07/99	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
24	12/99	**2.14**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
Start of Full-Scale Bioremediation																										
25	06/00	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
26	07/00	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
27	08/00	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
28	12/00	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
29	01/01	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
30	06-07/01	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
31	09-10/01	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
32	12/01	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
33	01/02	**0.005**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
34	02/02	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
35	06/02	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
36	10/02	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
37	01/03	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
38	07/03	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
39	12/03	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
40	02/04	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
41	06/04	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
42	08/04	<0.5	<0.5	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
43	11/04	<0.5	<0.5	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
44	01/05	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
45	06/05	<0.5	<0.5	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
46	08/05	<0.5	<0.5	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
47	11/05	<0.05	<0.05	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
48	12/05	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
49	05/06	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
50	06/06	<0.025	**0.029**	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
51	08/06	<0.025	<0.025	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
52	10/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
53	12/06	<0.1	<0.1	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
55	02/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
56	05/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
57	07/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
58	08/07	<0.05	<0.05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
60	11/07	**0.065**	**0.051**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
62	08/08	**0.32**	**0.052**	**2.4**	**0.15**	**0.58**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
63	11/08	<0.1	**0.083**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
64	09/09	<0.1	<0.1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
65	11/09	**3.1**	<0.1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NT	NT	NT
66	08/10	<0.5	<0.5	**6.2**	<0.5	<0.5	NT	NT	<0.5	NT	NT	<0.5	<0.5	NT	<0.5	<0.5	<0.5	NT	<0.5	NT	NI	NI	NI	NI	NT	NT	NT
67	11/10	<0.5	<0.5	**6.7**	<0.5	<0.5	NT	NT	**1.1**	NT	NT	<0.5	**0.5**	NT	<0.5	<0.5	<0.5	NT	<0.5	NT	NI	NI	NI	NI	NT	NT	NT
68	08/11	<0.2	<0.2	**3.3**	<0.2	<0.2	NT	NT	**0.41**	NT	NT	<0.2	**0.89**	NT	**0.48**	<0.2	<0.2	NT	<0.2	NT	NT	NT	NT	NT	NT	NT	NT
69	11-12/11	**2.3**	<0.2	**2.4**	<0.2	<0.2	NT	NT	**2.1**	NT	NT	<0.2	**0.32**	NT	**3.0**	<0.2	<0.2	NT	<0.2	NT	NT	NT	NT	NT	NT	NT	NT
70	06/12	**0..6**	<0.2	**4.4**	<0.2	<0.2	NT	NT	<0.2	NT	NT	<0.2	**0.2**	NT	**0.5**	<0.2	<0.2	NT	<0.2	NT	NT	NT	NT	NT	NT	NT	NT
71	8/12	<0.21	<0.21	**2.96**	<0.21	<0.21	NT	NT	<0.21	NT	NT	<0.21	**0.312**	NT	**0.399**	<0.03	<0.03	NT	<0.03	NT	NT	NT	NT	NT	NT	NT	NT
72	11/12	<1.01	<1.01	**5.46**	<0.21	<0.21	NT	NT	<0.03	NT	NT	**0.041**	**1.33**	NT	**6.18**	<0.21	<0.03	NT	<0.03	NT	NT	NT	NT	NT	NT	NT	NT
73	08/13	<0.03	<0.03	**3.45**	<0.03	<0.03	NT	NT	**0.787**	NT	NT	<0.03	**0.127**	NT	**0.116**	**0.033**	<0.03	NT	<0.03	NT	NT	NT	NT	NT	NT	NT	NT
74	11/13	**0.11**	<0.03	**3.08**	<0.03	<0.03	NT	NT	<0.03	NT	NT	<0.03	<0.03	NT	<0.03	<0.03	<0.03	NT	<0.03	NT	NT	NT	NT	NT	NT	NT	NT
75	06/14	**0.185**	<0.03	**2.98**	<0.03	<0.03	NT	NT	**4.43**	NT	NT	<0.03	**0.761**	NT	**2.25**	**0.238**	<0.03	NT	**0.032**	NT	NT	NT	NT	NT	NT	NT	NT
76	08/14	<0.03	<0.03	**2.38**	<0.03	<0.03	NT	NT	<0.03	NT	NT	<0.03	**0.086**	NT	**1.45**	**0.033**	<0.03	NT	<0.03	NT	NT	NT	NT	NT	NT	NT	NT
77	11/14	<0.5	<0.5	**4.7**	<0.5	<0.5	NT	NT	<0.5	NT	NT	<0.5	<0.5	NT	**0.9**	<0.5	<0.5	NT	<0.5	NT	NT	NT	NT	NT	NT	NT	NT
78	06/15	**0.04**	<0.03	**2.49**	<0.03	<0.03	NT	NT	**0.929**	NT	NT	<0.03	**0.298**	NT	**0.243**	**0.095**	<0.03	NT	<0.03	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 5D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Sulfate**																								
Round	Sample	NH AGQS = 500 GW-2 = NA																								
Number	Date	GZ-2	GZ-3A	GZ-403U	GZ-404U	GZ-405U	GZ-502	GZ-508U	GZ-601U	GZ-602U	GZ-604U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-612U	GZ-614U	GZ-618U	GZ-701U	GZ-801U	GZ-802US	GZ-802UD	GZ-803U	SW-2	SW-6	SW-8
Start of Bioremediation Pilot Test																										
17	07/97	**25**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
18	12/97	<50.6	**75.4**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
19	04/98	**17**	<10	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
20	07/98	**11**	<10	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
21	11/98	**29**	**50**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
22	3,5/99	**40**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
23	07/99	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
24	12/99	**23**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
Start of Full-Scale Bioremediation																										
25	06/00	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
26	07/00	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
27	08/00	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
28	12/00	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
29	01/01	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
30	06-07/01	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
31	09-10/01	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
32	12/01	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
33	01/02	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
34	02/02	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
35	06/02	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
36	10/02	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
37	01/03	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
38	07/03	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
39	12/03	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
40	02/04	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
41	06/04	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
42	08/04	**3**	**14**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
43	11/04	<1	**2**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
44	01/05	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
45	06/05	<1	**7**	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
46	08/05	<1	**4**	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
47	11/05	**2.5**	**58**	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
48	12/05	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
49	05/06	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
50	06/06	**0.24**	**12**	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
51	08/06	**0.11**	**6.9**	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
52	10/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
53	12/06	**0.29**	**21**	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
55	02/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
56	05/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
57	07/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
58	08/07	**0.16**	**5.8**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT	NT
60	11/07	**1.5**	**35**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT	NT
62	08/08	**1.1**	**11**	**56**	**19**	**17**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT	NT
63	11/08	**1**	**1**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT	NT
64	09/09	**0.77**	**3.7**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT	NT
65	11/09	**2.7**	**11**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
66	08/10	<1.0	**7**	**62**	**23**	**6**	NT	NT	**50**	NT	NT	**16**	**27**	NT	**12**	**34**	**57**	NT	**45**	NT	NI	NI	NI	NI	NT	NT	NT
67	11/10	**2**	**4**	**65**	**30**	**2**	NT	NT	**89**	NT	NT	**11**	**25**	NT	**30**	**32**	**37**	NT	**28**	NT	NI	NI	NI	NI	NT	NT	NT
68	08/11	**4.4**	**6.7**	**55**	**23**	**2.7**	NT	NT	**42**	NT	NT	**28**	**22**	NT	**16**	**24**	**55**	NT	**52**	NT	NT	NT	NT	NT	NT	NT	NT
69	11-12/11	**3.1**	**16**	**47**	**22**	**1.8**	NT	NT	**28**	NT	NT	**16**	**16**	NT	**23.0**	**26**	**43**	NT	**69**	NT	NT	NT	NT	NT	NT	NT	NT
70	06/12	**5.4**	**2.8**	**62.9**	**23.0**	**2.5**	NT	NT	**81.8**	NT	NT	**22.3**	**20.9**	NT	**12.4**	**21.2**	**67.0**	NT	**27.3**	NT	NT	NT	NT	NT	NT	NT	NT
71	8/12	**15.5**	**18.2**	**22.4**	**49.4**	<5.0	NT	NT	**29.3**	NT	NT	**13.4**	**20.9**	NT	**22.5**	**24.4**	**43.4**	NT	**37.1**	NT	NT	NT	NT	NT	NT	NT	NT
72	11/12	<5.0	**6.7**	**46.6**	<25	**18.6**	NT	NT	**59.3**	NT	NT	<5.0	**27.2**	NT	**44.7**	**17.6**	**53.5**	NT	**17.7**	NT	NT	NT	NT	NT	NT	NT	NT
73	08/13	<5.0	**11.4**	**56.4**	**25.3**	<5.0	NT	NT	**71.6**	NT	NT	**9.14**	**15.6**	NT	**15.1**	**12.4**	**42.6**	NT	**23.6**	NT	NT	NT	NT	NT	NT	NT	NT
74	11/13	<5.0	<5.0	**55.5**	**28.1**	<5.0	NT	NT	**63.2**	NT	NT	**11.3**	**11.5**	NT	**13.9**	**14.3**	**39.6**	NT	**29.2**	NT	NT	NT	NT	NT	NT	NT	NT
75	06/14	<5.0	<5.0	**51.7**	**27.4**	<5.0	NT	NT	**48.5**	NT	NT	**18.6**	**21.1**	NT	**22.8**	**13.3**	**51.5**	NT	**49.3**	NT	NT	NT	NT	NT	NT	NT	NT
76	08/14	<5.0	<5.0	**49.4**	**28**	**9.66**	NT	NT	**67.7**	NT	NT	**18.0**	**18.5**	NT	**29.8**	**18.0**	**47.0**	NT	**35.9**	NT	NT	NT	NT	NT	NT	NT	NT
77	11/14	**25.2**	**17.7**	**69.9**	**31.8**	<5.0	NT	NT	**69.5**	NT	NT	**15.3**	**19.6**	NT	**36.7**	**24.6**	**72.2**	NT	**28.2**	NT	NT	NT	NT	NT	NT	NT	NT
78	06/15	<5.0	**9.9**	**63.0**	**36.2**	**13.5**	NT	NT	**54.5**	NT	NT	**15.9**	**20.7**	NT	**23.5**	**23.9**	**45.0**	NT	**57.4**	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 5D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Dissolved Oxygen**																								
Round Number	Sample Date	NH AGQS/GW-2 = NA GZ-2	GZ-3A	GZ-403U	GZ-404U	GZ-405U	GZ-502	GZ-508U	GZ-601U	GZ-602U	GZ-604U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-612U	GZ-614U	GZ-618U	GZ-701U	GZ-801U	GZ-802US	GZ-802UD	GZ-803U	SW-2	SW-6	SW-8
Start of Bioremediation Pilot Test																										
17	07/97	7.0	6.7	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
18	12/97	0	0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
19	04/98	0.2	0.1	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
20	07/98	0.1	0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
21	11/98	0	0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
22	3,5/99	1.8	0.4	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
23	07/99	0.2	0.2	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
24	12/99	3.2	1	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
Start of Full-Scale Bioremediation																										
25	06/00	4.6	0.4	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
26	07/00	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
27	08/00	0.5	1.1	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
28	12/00	0.1	0.3	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
29	01/01	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
30	06-07/01	0.5	0.7	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
31	09-10/01	0.1	0.7	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
32	12/01	0.4	1.3	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
33	01/02	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
34	02/02	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
35	06/02	0.4	0.7	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
36	10/02	0.2	0.4	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
37	01/03	0.7	0.4	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
38	07/03	0.4	0.4	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
39	12/03	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
40	02/04	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
41	06/04	1.7	2.1	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
42	08/04	1.2	2.6	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
43	11/04	1.9	2.2	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
44	01/05	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
45	06/05	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
46	08/05	1.5	1.7	NT	NT	1.6	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
47	11/05	0.7	0.7	0.6	1.1	1.4	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
48	12/05	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
49	05/06	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
50	06/06	0.6	0.7	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
51	08/06	0.5	0.5	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
52	10/06	0.4	0.5	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
53	12/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
55	02/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
56	05/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
57	07/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
58	08/07	0.6	NT	1.4	1.5	NT	NT	NT	0.4	0.4	0.6	1.1	1.1	0.6	1.6	1.5	0.7	0.5	0.3	NI	NI	NI	NI	NI	NT	NT	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
60	11/07	4.1	4.6	2.4	2.5	1.2	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
62	08/08	3.2	0.5	2.1	0.3	3	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	2.3	1.7	NT
63	11/08	0.8	2.6	3.5	2.7	1.3	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	7.8	NT	NT
64	09/09	1.3	0.3	1	0.4	1.7	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	4.2	NT	NT
65	11/09	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NT	NT	NT
66	08/10	2.0	1.2	2.1	0.8	1.0	NT	NT	0.9	NT	NT	0.2	1.6	NT	0.7	1.1	1.1	NT	1.1	NT	NI	NI	NI	NI	2.6	NT	2.7
67	11/10	0.5	1.0	0.8	0.6	0.8	NT	NT	0.4	NT	NT	1.2	1.2	NT	1.5	1.1	0.6	NT	0.3	NT	NI	NI	NI	NI	5.4	1.2	6.0
68	08/11	1.3	1.0	1.1	0.8	NT	1.2	2.3	1.3	2.6	0.5	1.2	NT	1.9	NT	NT	1.1	0.9	0.9	NT	0.6	1.5	0.6	0.9	4.4	2.0	4.6
69	11-12/11	2.5	1.2	1.2	0.9	0.8	NT	NT	1.6	NT	NT	1.1	2.1	NT	1.6	3.0	0.7	NT	0.6	NT	NT	NT	NT	NT	7.1	1.3	7.5
70	06/12	1.3	1.3	1.6	1.0	1.2	NT	NT	1.2	NT	NT	0.8	2.6	NT	1.1	1.3	1.7	NT	1.0	NT	NT	NT	NT	NT	4.6	2.0	5.7
71	8/12	1.6	0.7	1.1	0.6	2.0	NT	NT	1.3	NT	NT	0.5	1.2	NT	0.7	0.8	0.6	NT	1.3	NT	NT	NT	NT	NT	2.7	NT	3.0
72	11/12	1.0	0.8	1.9	2.1	1.9	NT	NT	1.5	NT	NT	1.4	1.7	NT	1.4	1.7	1.3	NT	1.1	NT	NT	NT	NT	NT	5.2	1.4	7.9
73	08/13	0.9	0.6	0.9	0.6	1.0	NT	NT	1.0	NT	NT	0.5	1.9	NT	0.5	0.9	0.8	NT	0.5	NT	NT	NT	NT	NT	3.8	NT	2.8
74	11/13	1.6	1.7	1.3	0.8	1.4	NT	NT	1.5	NT	NT	1.5	1.7	NT	1.4	1.4	0.9	NT	1.4	NT	NT	NT	NT	NT	8.4	1.7	7.8
75	06/14	1.4	0.8	1.3	1.1	0.8	NT	NT	0.9	NT	NT	0.6	3.7	NT	1.0	2.8	0.8	NT	1.0	0.9	1.4	2.3	1.2	0.7	4.3	2.8	4.3
76	08/14	1.1	1.0	1.0	0.8	1.0	NT	NT	0.9	NT	NT	0.8	1.4	NT	1.3	1.1	0.8	NT	0.8	NT	NT	NT	NT	NT	3.9	NT	4.4
77	11/14	1.3	1.5	1.3	1.6	1.2	NT	NT	0.6	NT	NT	0.7	1.3	NT	1.1	1.4	0.9	NT	0.9	1.8	1.4	1.1	0.3	1.2	6.6	4.1	7.2
78	06/15	0.6	0.8	0.6	0.6	0.8	NT	NT	0.4	NT	NT	0.6	2.4	NT	1.2	2.2	0.5	NT	0.8	NT	NT	0.9	0.4	NT	3.4	2.4	3.7

NOTE: Please refer to last page for table notes.

TABLE 5D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Oxidation Reduction Potential (ORP)**																								
Round Number	Sample Date	NH AGQS/GW-2 = NA GZ-2	GZ-3A	GZ-403U	GZ-404U	GZ-405U	GZ-502	GZ-508U	GZ-601U	GZ-602U	GZ-604U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-612U	GZ-614U	GZ-618U	GZ-701U	GZ-801U	GZ-802US	GZ-802UD	GZ-803U	SW-2	SW-6	SW-8
Start of Bioremediation Pilot Test																										
17	07/97	+235	+180	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
18	12/97	-30	-35	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
19	04/98	-10	-30	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
20	07/98	-60	-40	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
21	11/98	-55	-55	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
22	3,5/99	+25	-60	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
23	07/99	-90	-35	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
24	12/99	+150	+10	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
Start of Full-Scale Bioremediation																										
25	06/00	+235	-35	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
26	07/00	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
27	08/00	-25	-45	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
28	12/00	-15	-40	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
29	01/01	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
30	06-07/01	-25	-45	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
31	09-10/01	-88	-135	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
32	12/01	+45	+26	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
33	01/02	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
34	02/02	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
35	06/02	-45	-32	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
36	10/02	-210	-170	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
37	01/03	-650	-500	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
38	07/03	-140	-179	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
39	12/03	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
40	02/04	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
41	06/04	-25	+10	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
42	08/04	+110	+15	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
43	11/04	-20	-25	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
44	01/05	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
45	06/05	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
46	08/05	-20	-5	NT	NT	130	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
47	11/05	-60	-35	+75	+40	+70	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
48	12/05	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
49	05/06	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
50	06/06	+5	-40	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
51	08/06	NT	-70	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
52	10/06	-25	-60	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
53	12/06	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
54	01/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
55	02/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
56	05/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
57	07/07	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT
58	08/07	-30	NT	-45	+60	-65	NT	NT	-40	+30	-80	-80	-35	-50	-60	-65	+30	+40	out of range	NI	NI	NI	NI	NI	NT	NT	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
60	11/07	-35	+75	+10	-60	-80	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT	NT
62	08/08	+35	+55	+195	+215	-30	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	+65	+165	NT
63	11/08	-30	+72	+75	+55	-30	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	+225	NT	NT
64	09/09	-45	+15	+65	Out of Range	+60	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	+75	NT	NT
65	11/09	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NT	NT	NT
66	08/10	+2	-62	+56	+71	-19	NT	NT	+79	NT	NT	-55	+130	NT	+73	+92	-16	NT	-61	NT	NI	NI	NI	NI	+111	NT	+20
67	11/10	+3	-70	+40	-6	-37	NT	NT	+60	NT	NT	-89	+134	NT	+137	+146	-63	NT	-103	NT	NI	NI	NI	NI	+31	+117	+51
68	Aug-11	+7	-76	+46	+43	-30	+45	+190	+72	+193	+35	-131	+92	+90	+56	-7	+17	+49	-114	NT	+74	+54	+73	+68	+52	+93	+52
69	11-12/11	+90	-12	+35	+33	+7	NT	NT	+81	NT	NT	-33	+40	NT	+15	+21	-35	NT	-62	NT	NT	NT	NT	NT	+121	-6	+124
70	06/12	-40	-45	+280	-55	+15	NT	NT	+80	NT	NT	-35	+85	NT	Out of Range	+25	-35	NT	-60	NT	NT	NT	NT	NT	+115	-55	+110
71	08/12	-32	-43	+52	-59	+25	NT	NT	-15	NT	NT	-43	+75	NT	+47	+53	-72	NT	-58	NT	NT	NT	NT	NT	+68	NT	+124
72	11/12	-59	-67	+152	-59	-5	NT	NT	-15	NT	NT	-58	+170	NT	+96	+10	-31	NT	-81	NT	NT	NT	NT	NT	+115	-51	+1
73	08/13	-33	-51	+85	-87	+3	NT	NT	+72	NT	NT	-70	+152	NT	+5	+101	-45	NT	-62	NT	NT	NT	NT	NT	+94	NT	+45
74	11/13	-46	-71	+114	-61	-10	NT	NT	-13	NT	NT	-62	+158	NT	-8	+26	-60	NT	-58	NT	NT	NT	NT	NT	+107	-13	+99
75	06/14	+15	-57	+120	-77	-16	NT	NT	+84	NT	NT	-42	+86	NT	+1	+13	-34	NT	-49	+40	+40	+15	+2	+13	+83	+12	-19
76	08/14	-48	-63	+46	-85	-53	NT	NT	-35	NT	NT	-88	+98	NT	+1	-9	-57	NT	-64	NT	NT	NT	NT	NT	+41	NT	+23
77	11/14	-40	-41	+38	-67	+7	NT	NT	+2	NT	NT	-53	+59	NT	-15	+16	-34	NT	-5	+15	+32	+79	-68	+17	+54	+16	+10
78	06/15	+40	-25	+85	-60	+5	NT	NT	+25	NT	NT	-30	+110	NT	+45	+90	-45	NT	-60	NT	NT	-5	-60	NT	+55	+45	+85

NOTE: Please refer to last page for table notes.

TABLE 5D NOTES
SOUTHERN SITE PORTION, UPPER UNIT

Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Notes:

1. Sample Round Nos. 1 through 4, 6, and subsequent rounds were carried out by GZA GeoEnvironmental, Inc. (GZA). Sample Round No. 5 was carried out by the New Hampshire Department of Environmental Services (NHDES). Please refer to the analytical laboratory reports for additional information.
2. Concentration is in milligrams per liter (mg/L), which is equivalent to parts per million (ppm). Oxidation-reduction potential (ORP) is in millivolts (mV).
3. "<" indicates that the respective parameter was not detected above the associated analytical laboratory Reporting Limit (RL).
4. "OR" indicates that the respective parameter was out of range of the meter.
5. For the Chemical Oxygen Demand (COD)/Total Organic Carbon (TOC) table, where values for both parameters are available for a given sampling round, the COD value is provided first, followed by the TOC value (e.g., 520/180).
6. This table considers only those parameters that were analyzed for and detected. Please refer to current and past analytical laboratory reports for the complete list of analytes.
7. Baseline sampling rounds conducted from August 1987 through April 1997 prior to the start of the July 1997 bioremediation pilot test are not included on this table. Please refer to the 2009 Annual Summary Letter Report or earlier reports for analytical results during these early sampling rounds.
8. Wells which have not been sampled in the past six years (since 2007) are not included on this table. Please refer to past reports for analytical results for these wells.
9. "AGQS" refers to NHDES Ambient Groundwater Quality Standards (AGQS) included in Env-Or 603.03. "WQCTS" indicates Water Quality Criteria for Toxic Substances included in Env-Wq 1703.21. The more stringent of the two regulations (AGQS or SWQC) was used for surface water samples. "GW-2" refers to the Groundwater to Indoor Air Screening Levels included in Table 1 – Vapor intrusion Screening Levels of the Vapor Intrusion Guidance. "NA" indicates that the respective standard has not yet been established.
10. Values in **bold** were detected above the laboratory reporting limit; shading indicates exceedances of standards, or that the concentration was at the respective standard.
11. "NT" indicates respective parameter was not tested during the respective sample round. "NI" indicates the monitoring well was not yet installed on the respective date.
12. Dissolved oxygen and ORP analyses were performed in the field using parameter-specific electrodes.
13. Monitoring wells MW-1 through MW-8 were installed by Jacques Whitford Company, Inc. between January 14, 2002 and January 16, 2002.
14. 1,4-dichlorobenzene (1,4-DCB) and 1,2-dichlorobenzene (1,2-DCB) were detected at concentrations of 0.0021 and 0.0053 ppm, respectively, in monitoring well GZ-3A during August 1995 sampling round. Note: The RCMP standard for 1,4-DCB and 1,2-DCB is 0.075 and 0.6 ppm, respectively.
15. Please note that methyl *tert*-butyl ether (M*t*BE) was detected, but below the RL limit in a groundwater sample collected from surface water sampling location SW-6 at a concentration of 0.0068 ppm during May 1996 sampling round. Note: The RCMP standard for M*t*BE is 0.013 ppm.
16. During the December 2005 sampling round, chlorobenzene, 1,3-dichlorobenzene (1,3-DCB), 1,4-DCB, and 1,2-DCB were detected at well GZ-408 at concentrations of 0.0065 mg/L, 0.0051 mg/L, 0.023 mg/L, and 0.0025 mg/L, respectively.
17. During the August 2007 sampling round, 1,2-DCB was detected in well GZ-3A at a concentration of 0.0053 mg/L. 1,1,2-Trichloroethene was detected in wells GZ-601U and GZ-606U at concentrations of 0.069 mg/L and 0.085 mg/L, respectively.
18. During the August 2010 sampling round, acetone and 2-butanone (MEK) were detected at well GZ-3A at a concentration of 0.6 mg/L and 0.3 mg/L, respectively. 1,2-DCB was detected at well GZ-618U at a concentration of 0.02 mg/L.
19. During the November 2010 sampling round, acetone was detected at well GZ-3A and surface water location SW-6 at concentrations of 0.2 mg/L and 0.02 mg/L, respectively. 1,2,4-trimethylbenzene (1,2,4-TMB) was detected at wells GZ-618U, GZ-2, and GZ-3A at concentrations of 0.002 mg/L, 0.007 mg/L, and 0.010 mg/L, respectively. 1,2-DCB was detected at wells GZ-618U and GZ-3A at concentrations of 0.035 mg/L and

0.01 mg/L, respectively. MEK was detected at well GZ-3A at a concentration of 0.2 mg/L. Chlorobenzene, 1,3-dichlorobenzene, and 1,4-dichlorobenzene were detected at well GZ-618U at concentrations of 0.003 mg/L, 0.003 mg/L, and 0.015 mg/L, respectively.

20. During the August 2011 sampling round, n-propylbenzene, 1,3,5-trimethylbenzene (1,3,5-TMB), 1,2,4-TMB, and 1,4-DCB were detected at well GZ-2 at concentrations of 0.0011 mg/L, 0.002 mg/L, 0.0063 mg/L, and 0.001 mg/L, respectively. Acetone, MEK, 1,2,4-TMB, and 1,2-DCB were detected at well GZ-3A at concentrations of 0.18 mg/L, 0.19 mg/L, 0.0046 mg/L, and 0.0032 mg/L, respectively. Chlorobenzene, 1,2,4-TMB, 1,3-DCB, 1,4-DCB, and 1,2-DCB were detected at well GZ-618U at concentrations of 0.0027 mg/L, 0.0016 mg/L, 0.0017 mg/L, 0.01 mg/L, and 0.021 mg/L, respectively. Acetone was detected at surface water location SW-6 at a concentration of 0.012 mg/L.

21. During the November/December 2011 sampling round, 1,2,4-TMB, chlorobenzene, 1,3-DCB, 1,4-DCB, and 1,2-DCB were detected at well GZ-618U at concentrations of 0.0018 mg/L, 0.0039 mg/L, 0.0018 mg/L, 0.010 mg/L, and 0.022 mg/L, respectively.

22. During the August 2012 sample round, 1,2,4-TMB was detected at wells GZ-3A, GZ-612U, GZ-2, and GZ-618U at concentrations of 0.0037 mg/L, 0.0012 mg/L, 0.0080 mg/L, and 0.0022 mg/L, respectively. 1,3,5-TMB was detected at well GZ-2 at a concentration of 0.0025 mg/L. 1,2-DCB was detected at wells GZ-3A, GZ-612U, GZ-618U at concentrations of 0.0024 mg/L, 0.0074 mg/L, and 0.0206 mg/L, respectively. 1,4-DCB was detected at wells GZ-3A, GZ-2, GZ-612U, GZ-618U at concentrations of 0.0013 mg/L, 0.0011 mg/L, 0.0079 mg/L, and 0.0107 mg/L, respectively. N-propylbenzene was detected at well GZ-2 at a concentration of 0.0015 mg/L. 1,3-DCB and carbon disulfide were detected at wells GZ-612U and GZ-618U at concentrations of 0.0024 mg/L and 0.0019 mg/L, and 0.0068 mg/L and 0.011 mg/L, respectively. Chlorobenzene was detected at wells GZ-612U, GZ-3A, GZ-618U at concentrations of 0.0032 mg/L, 0.0011 mg/L, and 0.0038 mg/L, respectively. Naphthalene was detected at wells GZ-2, GZ-3A, and GZ-612U at 0.001 mg/L, 0.0015 mg/L, and 0.0011 mg/L, respectively. Carbon Tetrachloride was detected at well GZ-405U at a concentration of 0.0022 mg/L.

23. During the November 2012 sample round, 1,2,4-TMB (0.0163 mg/L) was detected at well GZ-2. 1,2-DCB (0.0139 mg/L) was detected at well GZ-618U. 1,4-DCB (0.0047 mg/L) was detected at well GZ-618U. Chlorobenzene (0.0022 mg/L) was detected at well GZ-618U. Total Trihalomethanes were detected at well GZ-618U at a total concentration of 1.4 mg/L. Dibromochloromethane was detected at GZ-618U at a concentration of 0.0014 mg/L.

24. During the August 2013 sampling round, 1,2,4-TMB (0.008 mg/L), 1,3,5-TMB (0.003 mg/L), 1,4-DCB (0.001 mg/L), and n-propylbenzene (0.001 mg/L) were detected at well GZ-2. Chloromethane was detected at wells GZ-403U, GZ-404U, and GZ-618U at a concentration of 0.002 mg/L each. 1,2,4-TMB (0.003 mg/L), 1,2-DCB (0.02 mg/L), 1,3-DCB (0.002 mg/L), 1,4-DCB (0.01 mg/L), carbon disulfide (0.003 mg/L), chlorobenzene (0.006 mg/L), chloromethane (0.002 mg/L), and naphthalene (0.001 mg/L) were detected at well GZ-618U.

25. During the November 2013 sampling round, 1,2,4-TMB (0.0039 mg/L) and 1,3,5-TMB (0.0012 mg/L) were detected at well GZ-2.

26. During the June 2014 sampling round, 1,2,4-TMB was detected at wells GZ-2 (0.001 mg/L) and GZ-802UD (0.3 mg/L). 1,2-DCB (0.02 mg/L), 1,3-DCB (0.002 mg/L), 1,4-DCB (0.009 mg/L), and chlorobenzene (0.005 mg/L) were detected at well GZ-618U.

27. During the August 2014 sampling round, 1,2,4-TMB (0.005 mg/L), 1,3,5-TMB (0.002 mg/L), and n-propylbenzene (0.001 mg/L) were detected at GZ-2. 1,2-DCB (0.02 mg/L) and 1,4-DCB (0.01 mg/L) were detected at well GZ-618U.

28. During the November 2014 sampling round, 1,2-DCB (0.02 mg/L) and 1,4-DCB (0.01 mg/L) were detected at well GZ-618U. Carbon disulfide (0.002 mg/L) was detected at well GZ-701U. 1,2,4-TMB was detected at wells GZ-802UD (0.1 mg/L) and GZ-803U (0.1 mg/L).

29. During the June 2015 sampling round 1,2,4-trimethylbenzene (0.006 mg/L), 1,2-dichlorobenzene (0.004 mg/L), 1,3,5-trimethylbenzene (0.002 mg/L), 1,4-dichlorobenzene (0.003 mg/L), carbon disulfide (0.01 mg/L), chlorobenzene (0.001 mg/L), naphthalene (0.005 mg/L), and n-propylbenzene (0.001 mg/L) were detected in GZ-3A. 1,2,4-trimethylbenzene (0.003 mg/L), 1,2-dichlorobenzene (0.02 mg/L), 1,3-dichlorobenzene (0.002), 1,4-dichlorobenzene (0.008 mg/L), chlorobenzene (0.005 mg/L) and naphthalene (0.001 mg/L) were detected in well GZ-618U. Methyl tert-butyl ether (0.02 mg/L) was detected in well MW-1D.

TABLE 1A
WATER QUALITY SUMMARY TABLE - UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Tetrachloroethene**																				
Round	Sample	NH AGQS = 5 µg/L GW-2 = 240 µg/L																				WQCTS = 0.8 µg/L
Number	Date	GZ-2	GZ-3A	GZ-9U	GZ-10U	GZ-403U	GZ-404U	GZ-405U	GZ-607U	GZ-609U	GZ-612U	GZ-701U	GZ-802US	GZ-901U	GZ-902U	GZ-903U	GZ-904U	GZ-905U	MW-1S	MW-6	SG-902	SW-1	SW-2
66	08/10	<10	<10	<2	NT	<2	<5	<1,000	<5,000	<500	<500	NT	Well Not						<2	NT		<2	<2
67	11/10	<5	<10	<2	NT	<2	<5	<1,000	<2,000	<200	<500	NT	Installed						<2	NT		<2	<2
68	08/11	<1	<2.5	<1	NT	<1	<2.5	***500***	<2,500	**130**	<500	NT	<5,000						<1	NT		<1	<1
69	11-12/11	<1	<1	<1	NT	<1	<2.5	<1,000	<250	<100	<500	NT	NT						NT	NT		<1	<1
70	06/12	<5	<25	<1	NT	<1	<5	<1,000	<2,000	<500	<2,000	NT	NT	Well Not	Well Not	Well Not	Well Not	Well Not	<1	NT	Staff Gauge	<1	<1
71	08/12	<1	<1	<1	NT	<1	<1	**3.5**	***250***	<100	<1,000	NT	NT	Installed	Installed	Installed	Installed	Installed	<1	NT	Not Installed	<1	<1
72	11/12	<10	<100	<1	NT	<1	<1	<100	<1,000	<1,000	***316***	NT	NT						<1	NT		<1	<1
73	08/13	<1	<100	<1	NT	<1	<1	**100**	**200**	**100**	<100	NT	NT						<1	NT		<1	<1
74	11/13	<1	<100	<1	NT	<1	<1	**126**	***317***	**102**	<100	NT	NT						<1	NT		<1	<1
75	06/14	<1	<100	<1	<1	<1	<1	**100**	<100	**100**	***500***	<1	***300***	**2.0**	<100				<1	<1		<1	<1
76	08/14	<1	<100	<1	<1	<1	<1	<100	**200**	<100	<100	NT	NT	NT	NT				<1	<1	NT	<1	<1
77	11/14	<1	<100	<1	<1	<1	<1	<100	**200**	**100**	**200**	<1	***400***	**1.0**	<1	<1	<1	<1	<1	<1	NT	<1	<1
78	06/15	<1	<1	<1	NT	<1	<1	<100	<100	<100	**200**	NT	NT	NT	NT	<1	<1	<1	<10	NT	NT	<1	<1
79	08/15	<1	<1	<1	NT	<1	<1	**200**	***300***	<100	<100	NT	NT	NT	NT	NT	NT	NT	<10	NT	NT	<1	<1
80	11/15	<1	<1	<1	<1	<1	<1	**202**	***400***	**65.5**	**11.4**	<1	***402***	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
81	06/16	<1	<1	NT	<1	NT	NT	**100**	**200**	**5.0**	<1	NT	**70**	NT	NT	<1	<1	<1	NT	<1	NT	NT	NT
82	11/16	<1	<1	<1	<1	<1	<1	<100	***400***	**30**	<1	<1	***400***	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

NOTE: Please refer to last page for table notes.

TABLE 1A
WATER QUALITY SUMMARY TABLE - UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Trichloroethene**																				
Round	Sample	NH AGQS = 5 µg/L GW-2 = 20 µg/L																				WQCTS = 2.7 µg/L
Number	Date	GZ-2	GZ-3A	GZ-9U	GZ-10U	GZ-403U	GZ-404U	GZ-405U	GZ-607U	GZ-609U	GZ-612U	GZ-701U	GZ-802US	GZ-901U	GZ-902U	GZ-903U	GZ-904U	GZ-905U	MW-1S	MW-6	SG-902	SW-1	SW-2
66	08/10	<10	<10	<2	NT	**9.0**	<5	***140,000***	***430,000***	***86,000***	***24,000***	NT	Well Not						**3.0**	NT		<2	<2
67	11/10	<5	<10	<2	NT	**12**	<5	***120,000***	***260,000***	***28,000***	***100,000***	NT	Installed						<2	NT		<2	<2
68	08/11	<1	<2.5	<1	NT	**5.4**	<2.5	***98,000***	***280,000***	***23,000***	***76,000***	NT	***540,000***						**12**	NT		<1	<1
69	11-12/11	<1	<1	<1	NT	**4.6**	<2.5	***110,000***	***39,000***	***15,000***	***62,000***	NT	NT						NT	NT		<1	<1
70	06/12	<5	<25	<1	NT	**6.2**	<5	***77,500***	***126,000***	***33,400***	***198,000***	NT	NT	Well Not	Well Not	Well Not	Well Not	Well Not	**5.2**	NT	Staff Gauge	<1	<1
71	08/12	**8.2**	<1	<1	NT	**4.8**	<1	***94,200***	***132,000***	***25,500***	***46***	NT	NT	Installed	Installed	Installed	Installed	Installed	**8.7**	NT	Not Installed	<1	<1
72	11/12	<10	<100	<1	NT	**11.1**	<1	***8,100***	***133,000***	***15,400***	***60,600***	NT	NT						**12.5**	NT		<1	<1
73	08/13	<1	<100	<1	NT	**7.0**	<1	***28,400***	***80,600***	***76,000***	***2,900***	NT	NT						<1	NT		<1	<1
74	11/13	<1	<100	<1	NT	**5.8**	<1	***37,800***	***226,000***	***60,700***	***794***	NT	NT						<1	NT		<1	<1
75	06/14	<1	<100	<1	<1	**6.0**	<1	***19,000***	***21,200***	***45,800***	***93,400***	<1	***121,000***	***600***	***400***				<1	<1		<1	<1
76	08/14	<1	<100	<1	<1	**6.0**	<1	***18,900***	***131,000***	***12,700***	***100***	NT	NT	NT	NT				**9.0**	<1	NT	<1	<1
77	11/14	<1	<100	<1	<1	**9.0**	<1	***21,900***	***175,000***	***21,600***	***40,800***	<1	***196,000***	***700***	***300***	<1	<1	<1	**1.0**	<1	NT	<1	<1
78	06/15	<1	<1	<1	NT	**8.0**	<1	***18,800***	***24,500***	***29,900***	***25,700***	NT	NT	NT	NT	<1	<1	<1	<10	NT	NT	<1	<1
79	08/15	<1	<1	<1	NT	**5.0**	**1.0**	***47,500***	***214,000***	***10,200***	***20***	NT	NT	NT	NT	NT	NT	NT	***20***	NT	NT	<1	<1
80	11/15	<1	<1	<1	<1	**10.9**	<1	***40,600***	***254,000***	***17,600***	***2,450***	<1	***266,000***	***524***	***81.5***	<1	<1	<1	**1.1**	<1	<1	<1	<1
81	06/16	<1	<1	NT	<1	NT	NT	***15,400***	***134,000***	***1,900***	***30***	NT	***7,000***	NT	NT	<1	<1	<1	NT	<1	NT	NT	NT
82	11/16	<1	<1	<1	<1	**6.0**	<1	***3,000***	***331,000***	***11,700***	***200***	<1	***335,000***	***400***	***60***	<1	<1	<1	**10**	**2.0**	<1	<1	<1

NOTE: Please refer to last page for table notes.

TABLE 1A
WATER QUALITY SUMMARY TABLE - UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**1,1,1-Trichloroethane**																				
Round Number	Sample Date	NH AGQS = 200 µg/L GW-2 = 27,000 µg/L																				WQCTS = 1 µg/L
		GZ-2	GZ-3A	GZ-9U	GZ-10U	GZ-403U	GZ-404U	GZ-405U	GZ-607U	GZ-609U	GZ-612U	GZ-701U	GZ-802US	GZ-901U	GZ-902U	GZ-903U	GZ-904U	GZ-905U	MW-1S	MW-6	SG-902	SW-1	SW-2
66	08/10	<100	<10	<2	NT	<2	<5	**10,000**	***34,000***	**5,800**	**2,800**	NT	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	<2	NT	Staff Gauge Not Installed	<2	<2
67	11/10	<5	<10	<2	NT	<2	<5	**11,000**	**21,000**	**2,600**	**10,000**	NT							<2	NT		<2	<2
68	08/11	**1.7**	<2.5	<1	NT	<1	<2.5	**9,500**	**25,000**	**2,400**	**8,400**	NT	***58,000***						<1	NT		<1	<1
69	11-12/11	<1	<1	<1	NT	<1	<2.5	**10,000**	**3,700**	**1,400**	**5,600**	NT	NT						NT	NT		<1	<1
70	06/12	<5	**90.2**	<1	NT	<1	<5	**6,570**	**10,800**	**2,720**	**19,100**	NT	NT						<1	NT		<1	<1
71	08/12	**2.7**	**75.5**	<1	NT	<1	<1	**7,880**	**22,000**	**2,460**	**41**	NT	NT						<1	NT		<1	<1
72	11/12	<10	<100	<1	NT	<1	<1	**1,840**	**10,700**	**1,280**	**7,290**	NT	NT						<1	NT		<1	<1
73	08/13	**5.0**	**800**	<1	NT	<1	<1	**5,200**	**7,400**	**7,900**	**1,400**	NT	NT						<1	NT		<1	<1
74	11/13	<1	**157**	<1	NT	<1	<1	**8,460**	**23,000**	**6,170**	**414**	NT	NT						<1	NT		<1	<1
75	06/14	<1	**200**	<1	<1	<1	<1	**2,400**	**1,900**	**5,500**	**9,500**	<1	**12,300**	**10**	<100				<1	<1		<1	<1
76	08/14	<1	**200**	<1	<1	<1	<1	**2,600**	**11,800**	**1,100**	**200**	NT	NT	NT	NT				<1	<1	NT	<1	<1
77	11/14	<1	**400**	<1	<1	<1	<1	**3,000**	**15,000**	**2,000**	**7,800**	<1	**17,600**	**10**	**20**	<1	<1	<1	<1	<1	NT	<1	<1
78	06/15	<1	**50**	<1	NT	<1	<1	**1,700**	**2,200**	**3,000**	**3,200**	NT	NT	NT	NT	<1	<1	<1	<1	NT	NT	<1	<1
79	08/15	<1	**50**	<1	NT	<1	<1	**6,100**	**16,600**	**1,700**	<1	NT	NT	NT	NT	NT	NT	NT	<1	NT	NT	<1	<1
80	11/15	<1	**69**	<1	<1	<1	<1	**8,330**	**24,500**	**8,040**	**921**	<1	***47,800***	**7.2**	**5.4**	<1	<1	<1	<1	<1	<1	<1	<1
81	06/16	**1.0**	**60**	NT	<1	NT	NT	**2,000**	**10,200**	**200**	**40**	NT	**1,300**	NT	NT	<1	<1	<1	NT	<1	NT	NT	NT
82	11/16	<1	**100**	<1	<1	<1	<1	**2,000**	**25,700**	**1,100**	**80**	<1	***40,800***	**4.0**	**1.0**	<1	<1	<1	<1	<1	<1	<1	<1

NOTE: Please refer to last page for table notes.

TABLE 1A
WATER QUALITY SUMMARY TABLE - UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**cis-1,2-Dichloroethene**																				
Round Number	Sample Date	NH AGQS = 70 µg/L GW-2 = NA																				WQCTS = N/A
		GZ-2	GZ-3A	GZ-9U	GZ-10U	GZ-403U	GZ-404U	GZ-405U	GZ-607U	GZ-609U	GZ-612U	GZ-701U	GZ-802US	GZ-901U	GZ-902U	GZ-903U	GZ-904U	GZ-905U	MW-1S	MW-6	SG-902	SW-1	SW-2
66	08/10	**720**	**180**	**62**	NT	**21**	<5	**8,000**	**50,000**	**3,700**	**28,000**	NT	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	**10**	NT	Staff Gauge Not Installed	<2	**4.0**
67	11/10	**23**	**10**	**47**	NT	**27**	<5	**23,000**	**16,000**	**2,700**	**53,000**	NT							**5.0**	NT		<2	<2
68	08/11	**107**	**280**	**40**	NT	**11**	<2.5	**8,400**	**19,000**	**4,200**	**46,000**	NT	**44,000**						**58**	NT		<1	<1
69	11-12/11	<1	<1	<1	NT	**8.5**	**4.0**	**5,000**	**3,800**	**1,600**	**24,000**	NT	NT						NT	NT		<1	<1
70	06/12	**337**	**2,490**	<1	NT	**16.7**	<5	**5,940**	**7,620**	**3,140**	**1,100**	NT	NT						**38.4**	NT		<1	<1
71	08/12	**2,910**	**3,450**	**2.8**	NT	**12.6**	**3.4**	**20,900**	**17,000**	**4,770**	**1,150**	NT	NT						**52.2**	NT		<1	<1
72	11/12	**423**	**1,640**	**2.4**	NT	**29**	**1.6**	**9,940**	**10,100**	<1,000	**38,100**	NT	NT						**797**	NT		<1	<1
73	08/13	**3,600**	**23,300**	**2.0**	NT	**20**	<1	**22,900**	**10,500**	**9,000**	**19,500**	NT	NT						**30**	NT		<1	<1
74	11/13	**664**	**9,410**	**24.4**	NT	**18.2**	<1	**34,400**	**23,100**	**9,070**	**6,630**	NT	NT						**5.5**	NT		<1	<1
75	06/14	**500**	**3,600**	<1	<1	**20**	**1.0**	**6,400**	**3,800**	**12,400**	**57,100**	<1	**53,000**	**200**	**3,500**				**80**	<1		<1	**1.0**
76	08/14	**800**	**4,000**	**30**	<1	**10**	**1.0**	**10,200**	**13,100**	**2,400**	**2,300**	NT	NT	NT	NT				**50**	<1	NT	<1	<1
77	11/14	**80**	**9,700**	**20**	<1	**20**	<1	**14,800**	**14,800**	**5,700**	**75,700**	<1	**103,000**	**400**	**6,300**	<1	<1	<1	**5.0**	**2.0**	NT	<1	**1.0**
78	06/15	**100**	**400**	**7.0**	NT	**20**	<1	**5,000**	**2,600**	**8,300**	**25,200**	NT	NT	NT	NT	<1	<1	<1	**90**	NT	NT	<1	<1
79	08/15	**60**	**400**	**30**	NT	**9.0**	<1	**18,800**	**17,000**	**9,800**	**1,600**	NT	NT	NT	NT	NT	NT	NT	**200**	NT	NT	<1	<1
80	11/15	**541**	**1,180**	**38.4**	<1	**22.2**	<1	**24,500**	**16,300**	**45,000**	**10,200**	<1	**221,000**	**289**	**4,570**	<1	<1	<1	**5.0**	<1	<1	<1	**2.0**
81	06/16	**10**	**700**	NT	<1	NT	NT	**9,500**	**13,100**	**1,300**	**1,300**	NT	**17,400**	NT	NT	<1	<1	<1	NT	**3.0**	NT	NT	NT
82	11/16	**6.0**	**1,300**	**20.7**	<1	**20**	<1	**21,600**	**31,700**	**3,500**	**1,900**	<1	**222,000**	**200**	**2,100**	<1	<1	<1	**200**	**10**	<1	<1	**2.0**

NOTE: Please refer to last page for table notes.

TABLE 1A
WATER QUALITY SUMMARY TABLE - UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**trans-1,2-Dichloroethene**																				
Round Number	Sample Date	NH AGQS = 100 µg/L GW-2 = 560 µg/L																				WQCTS = 700 µg/L
		GZ-2	GZ-3A	GZ-9U	GZ-10U	GZ-403U	GZ-404U	GZ-405U	GZ-607U	GZ-609U	GZ-612U	GZ-701U	GZ-802US	GZ-901U	GZ-902U	GZ-903U	GZ-904U	GZ-905U	MW-1S	MW-6	SG-902	SW-1	SW-2
66	08/10	**20**	**20**	<2	NT	<2	<5	<1,000	<5,000	<500	<500	NT	Well Not	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	<2	NT	Staff Gauge Not Installed	<2	<2
67	11/10	**26**	**60**	<2	NT	<2	<5	<1,000	<2,000	<200	<500	NT	Installed						<2	NT		<2	<2
68	08/11	**16**	**19**	<1	NT	<1	<2.5	<500	<2,500	<100	<500	NT	<5,000						**1.0**	NT		<1	<1
69	11-12/11	<1	<1	<1	NT	<1	<2.5	<1,000	<250	<100	<500	NT	NT						NT	NT		<1	<1
70	06/12	**5.1**	<25	<1	NT	<1	<5	<1,000	<2,000	<500	<2,000	NT	NT						<1	NT		<1	<1
71	08/12	**35.8**	**29.9**	<1	NT	<1	**1.4**	**1.2**	<100	<100	**6.0**	NT	NT						<1	NT		<1	<1
72	11/12	**32.7**	<100	<1	NT	<1	**1.6**	<100	<1,000	<1,000	**181**	NT	NT						**1.4**	NT		<1	<1
73	08/13	**50**	<100	<1	NT	<1	<1	**100**	<100	<100	<100	NT	NT						<1	NT		<1	<1
74	11/13	**17.2**	<100	<1	NT	<1	<1	**221**	<100	<100	<100	NT	NT						<1	NT		<1	<1
75	06/14	**10**	<100	<1	<1	<1	<1	<100	<100	<100	**300**	<1	**300**	**1.0**	<100				**1.0**	<1		<1	<1
76	08/14	**20**	<100	<1	<1	<1	<1	<100	<100	<100	<100	NT	NT	NT	NT				<1	<1	NT	<1	<1
77	11/14	<1	<100	<1	<1	<1	<1	<100	<100	<100	**300**	<1	**400**	**2.0**	**50**	<1	<1	<1	<1	<1	NT	<1	<1
78	06/15	**4.0**	**20**	<1	NT	<1	<1	<100	<100	<100	<100	NT	NT	NT	NT	<1	<1	<1	<10	NT	NT	<1	<1
79	08/15	**8.0**	**20**	<1	NT	<1	<1	**100**	<100	<100	**10**	NT	NT	NT	NT	NT	NT	NT	**2.0**	NT	NT	<1	<1
80	11/15	**8.2**	**44.6**	<1	<1	<1	<1	**200**	**E 333**	**216**	**68.3**	<1	***1,030***	**1.7**	**33.5**	<1	<1	<1	<1	<1	<1	<1	<1
81	06/16	**10**	**10**	NT	<1	NT	NT	**E 300**	**E 400**	**7.0**	**10**	NT	**100**	NT	NT	<1	<1	<1	NT	<1	NT	NT	NT
82	11/16	**3.0**	**20**	<1	<1	<1	<1	**200**	**E 300**	**30**	**9.0**	<1	***1,000***	**1.0**	**20.0**	<1	<1	<1	**1.0**	<1	<1	<1	<1

NOTE: Please refer to last page for table notes.

TABLE 1A
WATER QUALITY SUMMARY TABLE - UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**1,2-Dichloroethane**																				
Round	Sample	NH AGQS = 5 µg/L GW-2 = 50 µg/L																				WQCTS = 0.38 µg/L
Number	Date	GZ-2	GZ-3A	GZ-9U	GZ-10U	GZ-403U	GZ-404U	GZ-405U	GZ-607U	GZ-609U	GZ-612U	GZ-701U	GZ-802US	GZ-901U	GZ-902U	GZ-903U	GZ-904U	GZ-905U	MW-1S	MW-6	SG-902	SW-1	SW-2
66	08/10	<10	<10	<2	NT	<2	<5	<1,000	<5,000	<500	<500	NT	Well Not						<2	NT		<2	<2
67	11/10	<5	<10	<2	NT	<2	<5	<1,000	<2,000	<200	<500	NT	Installed						<2	NT		<2	<2
68	08/11	**1.4**	<2.5	<1	NT	<1	<2.5	<500	<2,500	<100	<500	NT	<5,000						<1	NT		<1	<1
69	11-12/11	<1	<1	<1	NT	<1	<2.5	<1,000	<250	<100	<500	NT	NT						NT	NT		<1	<1
70	06/12	<5	<25	<1	NT	<1	<5	<1,000	<2,000	<500	<2,000	NT	NT	Well Not	Well Not	Well Not	Well Not	Well Not	<1	NT	Staff Gauge	<1	<1
71	08/12	<1	<1	<1	NT	<1	<1	<1	<100	<100	<1	NT	NT	Installed	Installed	Installed	Installed	Installed	<1	NT	Not Installed	<1	<1
72	11/12	<10	<100	<1	NT	<1	<1	<100	<1	<1	<100	NT	NT						<1	NT		<1	<1
73	08/13	**1.0**	***400***	<1	NT	<1	**10**	<100	<100	<100	<100	NT	NT						<1	NT		<1	<1
74	11/13	<1	<100	<1	NT	<1	<1	<100	<100	<100	<100	NT	NT						<1	NT		<1	<1
75	06/14	<1	<100	<1	<1	<1	<1	<100	<100	<100	<100	<1	<100	<1	<100				<1	<1		<1	<1
76	08/14	<1	<100	<1	<1	<1	<1	<100	<100	<100	<100	NT	NT	NT	NT				<1	<1	NT	<1	<1
77	11/14	<1	<100	<1	<1	<1	<1	<100	<100	<100	<100	<1	<100	<1	<1	<1	<1	<1	<1	<1	NT	<1	<1
78	06/15	<1	<1	<1	NT	<1	<1	<100	<100	<100	***200***	NT	NT	NT	NT	<1	<1	<1	<10	NT	NT	<1	<1
79	08/15	<1	<1	<1	NT	<1	<1	<100	<100	<100	<100	NT	NT	NT	NT	NT	NT	NT	<1	NT	NT	<1	<1
80	11/15	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	**3.2**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
81	06/16	<1	<1	NT	<1	NT	NT	<1	<1	<1	NT	NT	<1	NT	NT	<1	<1	<1	NT	<1	NT	NT	NT
82	11/16	<1	<1	<1	<1	<1	<1	<100	<1	<1	<1	<1	<100	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

NOTE: Please refer to last page for table notes.

TABLE 1A
WATER QUALITY SUMMARY TABLE - UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**1,1-Dichloroethene**																				
Round Number	Sample Date	NH AGQS = 7 µg/L GW-2 = 630 µg/L																				WQCTS = 0.057 µg/L
		GZ-2	GZ-3A	GZ-9U	GZ-10U	GZ-403U	GZ-404U	GZ-405U	GZ-607U	GZ-609U	GZ-612U	GZ-701U	GZ-802US	GZ-901U	GZ-902U	GZ-903U	GZ-904U	GZ-905U	MW-1S	MW-6	SG-902	SW-1	SW-2
66	08/10	<10	<10	<1	NT	<1	<5	<1,000	<5,000	<500	<500	NT	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	<1	NT	Staff Gauge Not Installed	<1	<1
67	11/10	<5	<100	<1	NT	<1	<5	<1,000	<2,000	<200	<500	NT							<1	NT		<1	<1
68	08/11	<1	<2.5	<1	NT	<1	<2.5	<500	<2,500	**140**	**730**	NT	<5,000						<1	NT		<1	<1
69	11-12/11	<1	<1	<1	NT	<1	<1	<1,000	<2005	<100	<500	NT	NT						NT	NT		<1	<1
70	06/12	<5	<25	<1	NT	<1	<5	<1,000	<2,000	<500	<2,000	NT	NT						<1	NT		<1	<1
71	08/12	**6.8**	**7.6**	<1	NT	<1	<1	**4.7**	**172**	**254**	**1.9**	NT	NT						<1	NT		<1	<1
72	11/12	<10	<100	<1	NT	<1	<1	<100	<1	<1	**283**	NT	NT						<1	NT		<1	<1
73	08/13	**10**	<100	<1	NT	<1	<1	<100	**100**	**200**	<100	NT	NT						<1	NT		<1	<1
74	11/13	**1.6**	<100	<1	NT	<1	<1	**125**	**266**	**160**	<100	NT	NT						<1	NT		<1	<1
75	06/14	**2.0**	<100	<1	<1	<1	<1	<100	<100	**100**	**400**	<1	**100**	**6.0**	<100				<1	<1		<1	<1
76	08/14	**1.0**	<100	<1	<1	<1	<1	<100	**200**	<100	<100	NT	NT	NT	NT				<1	<1	NT	<1	<1
77	11/14	<1	<100	<1	<1	<1	<1	<100	**200**	<100	**400**	<1	**200**	**6.0**	**40**	<1	<1	<1	<1	<1	NT	<1	<1
78	06/15	<1	<1	<1	NT	<1	<1	**200**	**200**	**300**	**400**	NT	NT	NT	NT	<1	<1	<1	<10	NT	NT	<1	<1
79	08/15	<1	**2.0**	<1	NT	<1	<1	**300**	**300**	<100	**8.0**	NT	NT	NT	NT	NT	NT	NT	<1	NT	NT	<1	<1
80	11/15	<1	**1.3**	<1	<1	<1	<1	**81.8**	**395**	**110**	**41.3**	<1	**531**	**4.9**	**34.2**	<1	<1	<1	<1	<1	<1	<1	<1
81	06/16	<1	**1.0**	NT	<1	NT	NT	**40**	**200**	**8.0**	**3.0**	NT	**20**	NT	NT	<1	<1	<1	NT	<1	NT	NT	NT
82	11/16	<1	**2.0**	<1	<1	<1	<1	<100	**500**	**40**	**7.0**	<1	***700***	**4.0**	**20**	<1	<1	<1	**1.0**	<1	<1	<1	<1

NOTE: Please refer to last page for table notes.

TABLE 1A
WATER QUALITY SUMMARY TABLE - UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**1,1-Dichloroethane**																				
Round Number	Sample Date	NH AGQS = 81 µg/L GW-2 = 130 µg/L																				WQCTS = NA
		GZ-2	GZ-3A	GZ-9U	GZ-10U	GZ-403U	GZ-404U	GZ-405U	GZ-607U	GZ-609U	GZ-612U	GZ-701U	GZ-802US	GZ-901U	GZ-902U	GZ-903U	GZ-904U	GZ-905U	MW-1S	MW-6	SG-902	SW-1	SW-2
66	08/10	**60**	**50**	**2.0**	NT	<2	**29**	<1,000	<5,000	<500	<500	NT	Well Not						**2.0**	NT		<2	<2
67	11/10	**87**	**70**	<2	NT	<2	**27**	<1,000	<2,000	<200	<500	NT	Installed						<2	NT		<2	<2
68	08/11	**100**	**30**	**1.7**	NT	<1	**14**	<500	<2,500	<100	<500	NT	<5,000						**2.9**	NT		<1	<1
69	11-12/11	<1	<1	<1	NT	<1	**17**	<1,000	<2005	<100	<500	NT	NT						NT	NT		<1	<1
70	06/12	**16.5**	***169***	<1	NT	<1	**17.2**	<1,000	<2,000	<500	<2,000	NT	NT	Well Not	Well Not	Well Not	Well Not	Well Not	**4.2**	NT	Staff Gauge	<1	<1
71	08/12	***135***	***184***	<1	NT	<1	**14.7**	<1,000	<100	<100	**6**	NT	NT	Installed	Installed	Installed	Installed	Installed	**2.7**	NT	Not Installed	<1	<1
72	11/12	***250***	***235***	<1	NT	<1	**14.1**	<100	<1,000	<1,000	**123**	NT	NT						**3.7**	NT		<1	<1
73	08/13	**100**	***400***	<1	NT	<1	**10**	<100	<100	<100	<100	NT	NT						**4.0**	NT		<1	<1
74	11/13	**103**	***532***	**1.2**	NT	<1	**10.2**	<100	<100	<100	<100	NT	NT						<1	NT		<1	<1
75	06/14	**20**	***200***	<1	<1	<1	**10**	<100	<100	<100	***200***	<1	***200***	**3.0**	<100				**7.0**	<1		<1	<1
76	08/14	**80**	***200***	**2.0**	<1	<1	**8.0**	<100	<100	<100	<100	NT	NT	NT	NT				**3.0**	<1	NT	<1	<1
77	11/14	**20**	***300***	<1	<1	<1	**6.0**	<100	<100	<100	***200***	<1	***1,100***	**4.0**	**60**	<1	<1	<1	<1	<1	NT	<1	<1
78	06/15	**20**	**100**	<1	NT	<1	**6.0**	<100	<100	<100	<100	NT	NT	NT	NT	<1	<1	<1	<10	NT	NT	<1	<1
79	08/15	**40**	***200***	**2.0**	NT	<1	**5.0**	<100	<100	<100	**8.0**	NT	NT	NT	NT	NT	NT	NT	**10**	NT	NT	<1	<1
80	11/15	**85.6**	***574***	**2.2**	<1	<1	**7.0**	**19.8**	**29.7**	**46.8**	**25.4**	<1	***2,350***	**3.4**	**59**	<1	<1	<1	**1.1**	<1	<1	<1	<1
81	06/16	**70**	**100**	NT	<1	NT	NT	**4.0**	**20**	**10**	**9.0**	NT	**100**	NT	NT	<1	<1	<1	NT	<1	NT	NT	NT
82	11/16	**40**	***200***	<1	<1	<1	**4.0**	**100**	**30**	**20**	**9.0**	<1	***1,600***	**3.0**	**30**	<1	<1	<1	**5.0**	<1	<1	<1	<1

NOTE: Please refer to last page for table notes.

TABLE 1A
WATER QUALITY SUMMARY TABLE - UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Methylene Chloride**																				
Round	Sample	NH AGQS = 5 µg/L GW-2 = 24,000 µg/L																				WQCTS = 4.7 µg/L
Number	Date	GZ-2	GZ-3A	GZ-9U	GZ-10U	GZ-403U	GZ-404U	GZ-405U	GZ-607U	GZ-609U	GZ-612U	GZ-701U	GZ-802US	GZ-901U	GZ-902U	GZ-903U	GZ-904U	GZ-905U	MW-1S	MW-6	SG-902	SW-1	SW-2
66	08/10	<50	<50	<5	NT	<5	<30	<5,000	<30,000	<3,000	<3,000	NT	Well Not						<5	NT		<5	<5
67	11/10	<30	<50	<5	NT	<5	<30	<5,000	<10,000	<1,000	<3,000	NT	Installed						<5	NT		<5	<5
68	08/11	<2	<5	<2	NT	<2	<5	<1,000	<5,000	<200	<1,000	NT	<10,000						<2	NT		<2	<2
69	11-12/11	<2	<2	<2	NT	<2	<5	<2,000	<5,000	<200	<1,000	NT	NT						NT	NT		<2	<2
70	06/12	<10	<50	<2	NT	<2	<10	<1,000	<2,000	<1,000	<4,000	NT	NT	Well Not	Well Not				<2	NT	Staff Gauge	<2	<2
71	08/12	<4	<4	<4	NT	<4	<4	<4,000	<400	<400	<4,000	NT	NT	Installed	Installed	Well Not	Well Not	Well Not	<4	NT	Not Installed	<4	<4
72	11/12	<40	<400	<4	NT	<4	<4	<400	<4,000	<4,000	<400	NT	NT			Installed	Installed	Installed	<4	NT		<4	<4
73	08/13	<4	<400	<4	NT	<4	<4	<400	<400	<400	<400	NT	NT						<4	NT		<4	<4
74	11/13	<4	<400	<4	NT	<4	<4	<400	<400	<400	<400	NT	NT						<4	NT		<4	<4
75	06/14	<4	<400	<4	<1	<4	<4	<400	<400	<400	<400	<4	<400	<4	<400				<4	<4		<4	<4
76	08/14	<4	<400	<4	<4	<4	<4	<400	<400	<400	<400	NT	NT	NT	NT				<4	<4	NT	<4	<4
77	11/14	<4	<400	<4	<4	<4	<4	<400	<400	<400	<400	<4	<400	<4	<4	<4	<4	<4	<4	<4	NT	<4	<4
78	06/15	<4	<4	<4	NT	<4	<4	<400	<400	<400	<400	NT	NT	NT	NT	<4	<4	<4	<40	NT	NT	<4	<4
79	08/15	<4	<4	<4	NT	<4	<4	<400	<400	<400	<400	NT	NT	NT	NT	NT	NT	NT	<40	NT	NT	<4	<4
80	11/15	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
81	06/16	<4	<4	NT	<4	NT	NT	<4	<4	<4	<4	NT	<4	NT	NT	<4	<4	<4	NT	<4	NT	NT	NT
82	11/16	<4	<4	<4	<4	<4	<4	<400	<4	<4	<4	<4	<400	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4

NOTE: Please refer to last page for table notes.

TABLE 1A
WATER QUALITY SUMMARY TABLE - UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Chloroethane**																				
Round	Sample	NH AGQS/GW-2 = NA																				WQCTS = NA
Number	Date	GZ-2	GZ-3A	GZ-9U	GZ-10U	GZ-403U	GZ-404U	GZ-405U	GZ-607U	GZ-609U	GZ-612U	GZ-701U	GZ-802US	GZ-901U	GZ-902U	GZ-903U	GZ-904U	GZ-905U	MW-1S	MW-6	SG-902	SW-1	SW-2
66	08/10	**210**	**320**	<5	NT	<5	<30	<5,000	<30,000	<3,000	<3,000	NT	Well Not						<5	NT		<5	<5
67	11/10	**240**	**690**	<5	NT	<5	<30	<5,000	<10,000	<1,000	<3,000	NT	Installed						<5	NT		<5	<5
68	08/11	**120**	**260**	<1	NT	<1	<2.5	<500	<2,500	<100	<500	NT	<5,000						<1	NT		<1	<1
69	11-12/11	<1	**7.9**	<1	NT	<1	**5.1**	<1,000	<250	<100	<500	NT	NT						NT	NT		<1	<1
70	06/12	**22.2**	**74.2**	<1	NT	<1	<5	<1,000	<2,000	<500	<2,000	NT	NT	Well Not	Well Not	Well Not	Well Not	Well Not	<1	NT	Staff Gauge	<1	<1
71	08/12	**67.2**	**85**	<2	NT	<2	**2.2**	<2	<200	<200	<2	NT	NT	Installed	Installed	Installed	Installed	Installed	<2	NT	Not Installed	<2	<2
72	11/12	**172**	<200	<2	NT	<2	<2	<200	<2,000	<2,000	<200	NT	NT						<2	NT		<2	<2
73	08/13	**100**	<200	<2	NT	**2.0**	**2.0**	<200	<200	<200	<200	NT	NT						<2	NT		<2	<2
74	11/13	**55.1**	<200	<2	NT	<2	<2	<200	<200	<200	<200	NT	NT						<2	NT		<2	<2
75	06/14	**40**	<200	<2	<1	<2	<2	<200	<200	<200	<200	<2	<200	<2	<200				**5.0**	<2		<2	<2
76	08/14	**60**	<200	<2	<2	<2	<2	<200	<200	<200	<200	NT	NT	NT	NT				<2	<2	NT	<2	<2
77	11/14	**10**	<200	<2	<2	<2	<2	<200	<200	<200	<200	<2	<200	<2	**6.0**	<2	<2	<2	<2	<2	NT	<2	<2
78	06/15	**30**	**100**	<2	NT	<2	<2	<200	<200	<200	<200	NT	NT	NT	NT	<2	<2	<2	<20	NT	NT	<2	<2
79	08/15	**100**	<2	<2	NT	<2	<2	<200	<200	<200	<200	NT	NT	NT	NT	NT	NT	NT	<20	NT	NT	<2	<2
80	11/15	**91.1**	**156**	<2	<2	<2	<2	<2	<2	<2	<2	<2	**3.0**	<2	**4.8**	<2	<2	<2	<2	<2	<1	<1	<1
81	06/16	**100**	**100**	NT	<1	NT	NT	<2	<2	<2	<2	NT	<2	NT	NT	<2	<2	<2	NT	<2	NT	NT	NT
82	11/16	**90**	**80.5**	<2	<2	<2	<2	<200	<2	<2	<2	<2	<200	<2	**2.0**	<2	<2	<2	<2	<2	<2	<2	<2

NOTE: Please refer to last page for table notes.

TABLE 1A
WATER QUALITY SUMMARY TABLE - UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Chloroform (Trichloromethane)**																				
Round	Sample	NH AGQS = 70 µg/L GW-2 = 70 µg/L																				WQCTS = 5.7 µg/L
Number	Date	GZ-2	GZ-3A	GZ-9U	GZ-10U	GZ-403U	GZ-404U	GZ-405U	GZ-607U	GZ-609U	GZ-612U	GZ-701U	GZ-802US	GZ-901U	GZ-902U	GZ-903U	GZ-904U	GZ-905U	MW-1S	MW-6	SG-902	SW-1	SW-2
66	08/10	<10	<10	<2	NT	<2	<5	<1,000	<5,000	<500	<500	NT	Well Not						<2	NT		<2	<2
67	11/10	<5	<10	<2	NT	<2	<5	<1,000	<2,000	<200	<500	NT	Installed						<2	NT		<2	<2
68	08/11	<1	<2.5	<1	NT	<1	<2.5	<500	<2,500	<100	<500	NT	<5,000						<1	NT		<1	<1
69	11-12/11	<1	<1	<1	NT	<1	<2.5	<1,000	<250	<100	<500	NT	NT						NT	NT		<1	<1
70	06/12	<5	<25	<1	NT	<1	<5	<1,000	<2,000	<500	<2,000	NT	NT	Well Not	Well Not	Well Not	Well Not	Well Not	<1	NT	Staff Gauge	<1	<1
71	08/12	<1	<1	<1	NT	<1	<1	<1,000	<100	<100	<1,000	NT	NT	Installed	Installed	Installed	Installed	Installed	<1	NT	Not Installed	<1	<1
72	11/12	<10	<100	<1	NT	<1	<1	<100	<1,000	<1,000	<100	NT	NT						<1	NT		<1	<1
73	08/13	<1	<100	<1	NT	<1	<1	<100	<100	<100	<100	NT	NT						<1	NT		<1	<1
74	11/13	<1	<100	<1	NT	<1	<1	<100	<100	<100	<100	NT	NT						<1	NT		<1	<1
75	06/14	<1	<100	<1	<1	<1	<1	<100	<100	<100	<100	<1	<100	<1	<100				**2**	<1		<1	<1
76	08/14	<1	<100	<1	<1	<1	<1	<100	<100	<100	<100	NT	NT	NT	NT				<1	<1	NT	<1	<1
77	11/14	<1	<100	<1	<1	<1	<1	<100	<100	<100	<100	<1	<100	<1	<1	<1	<1	<1	<1	<1	NT	<1	<1
78	06/15	<1	<1	<1	NT	<1	<1	<100	<100	<100	<100	NT	NT	NT	NT	<1	<1	<1	<10	NT	NT	<1	<1
79	08/15	<1	<1	<1	NT	<1	<1	<100	<100	<100	<100	NT	NT	NT	NT	NT	NT	NT	<1	NT	NT	<1	<1
80	11/15	<1	<1	<1	<1	<1	<1	**11.8**	**10.7**	**2.2**	<1	<1	**15.5**	<1	<1	<1	<1	<1	<1	**1.4**	<1	<1	<1
81	06/16	<1	<1	NT	<1	NT	NT	**5.0**	**7.0**	<1	<1	NT	<1	NT	NT	<1	<1	<1	NT	<1	NT	NT	NT
82	11/16	<1	<1	<1	<1	<1	<1	<100	**10**	<1	<1	<1	<100	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

NOTE: Please refer to last page for table notes.

TABLE 1A
WATER QUALITY SUMMARY TABLE - UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Vinyl Chloride**																				
Round	Sample	NH AGQS = 2 µg/L GW-2 = 4 µg/L																				WQCTS = 2.0 µg/L
Number	Date	GZ-2	GZ-3A	GZ-9U	GZ-10U	GZ-403U	GZ-404U	GZ-405U	GZ-607U	GZ-609U	GZ-612U	GZ-701U	GZ-802US	GZ-901U	GZ-902U	GZ-903U	GZ-904U	GZ-905U	MW-1S	MW-6	SG-902	SW-1	SW-2
66	08/10	***1,500***	***780***	<2	NT	<2	<10	<2,000	<10,000	<1,000	<1,000	NT	Well Not						<2	NT		<2	<2
67	11/10	***30***	<20	***6.0***	NT	<2	<10	<2,000	<4,000	<400	<1,000	NT	Installed						**2.0**	NT		<2	<2
68	08/11	***150***	***400***	***6.1***	NT	<1	<2.5	<500	<2,500	<100	<500	NT	<5,000						***4.4***	NT		<1	<1
69	11-12/11	<1	**1.6**	<1	NT	<1	***4.8***	<1,000	<250	<100	<500	NT	NT						NT	NT		<1	<1
70	06/12	***470***	***1,420***	<1	NT	<1	***7.8***	<1,000	<2,000	<500	<2,000	NT	NT	Well Not	Well Not	Well Not	Well Not	Well Not	***4.2***	NT	Staff Gauge	<1	<1
71	08/12	***1,630***	***1,210***	<1	NT	<1	***5.3***	<1,000	<100	<100	***34.7***	NT	NT	Installed	Installed	Installed	Installed	Installed	**3.0**	NT	Not Installed	<1	<1
72	11/12	***616***	***1,660***	<1	NT	<1	**1.6**	<100	<1,000	<1,000	***393***	NT	NT						***11.6***	NT		<1	<1
73	08/13	***3,400***	***3,400***	**2.0**	NT	<1	<1	<100	<100	<100	***100***	NT	NT						**3.0**	NT		<1	<1
74	11/13	***870***	***4,130***	**3.6**	NT	<1	<1	<100	<100	<100	<100	NT	NT						<1	NT		<1	<1
75	06/14	***600***	***1,500***	<1	<1	<1	**2.0**	<100	<100	<100	***600***	<1	<100	***5.0***	<100				***30***	<1		<1	<1
76	08/14	***900***	***1,800***	***6.0***	<1	<1	<1	<100	<100	<100	<100	NT	NT	NT	NT				***6.0***	<1	NT	<1	<1
77	11/14	***50***	***2,900***	**1.0**	<1	<1	<1	<100	<100	<100	***700***	<1	<100	***8.0***	***200***	<1	<1	<1	<1	<1	NT	<1	<1
78	06/15	***200***	***500***	<1	NT	<1	<1	<100	<100	<100	<100	NT	NT	NT	NT	<1	<1	<1	***20***	NT	NT	<1	<1
79	08/15	***90***	***1,000***	***7.0***	NT	<1	**1.0**	<100	<100	<100	***10***	NT	NT	NT	NT	NT	NT	NT	***20***	NT	NT	<1	<1
80	11/15	***921***	***3,130***	***7.2***	<1	<1	**1.4**	<1	**3.2**	***47.2***	***271***	<1	***61.5***	***5.4***	***149***	<1	<1	<1	**2.4**	<1	<1	<1	<1
81	06/16	***20***	***1,000***	NT	<1	NT	NT	<1	**1.0**	***10***	***20***	NT	***6.0***	NT	NT	<1	<1	<1	NT	<1	NT	NT	NT
82	11/16	**3.0**	***2,000***	***4.0***	<1	<1	**1.0**	<100	***6.0***	***20***	***20***	<1	***300***	***4.0***	***50***	<1	<1	<1	***20***	<1	<1	<1	<1

NOTE: Please refer to last page for table notes.

TABLE 1A
WATER QUALITY SUMMARY TABLE - UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**1,4-Dioxane**																				
Round Number	Sample Date	NH AGQS = 0.003 GW-2 = NA																				WQCTS = NA
		GZ-2	GZ-3A	GZ-9U	GZ-10U	GZ-403U	GZ-404U	GZ-405U	GZ-607U	GZ-609U	GZ-612U	GZ-701U	GZ-802US	GZ-901U	GZ-902U	GZ-903U	GZ-904U	GZ-905U	MW-1S	MW-6	SG-902	SW-1	SW-2
66	08/10	NT	NT	NT	NT	NT	**0.002**	NT	NT	NT	NT	NT	Well Not Installed						NT	NT		NT	NT
67	11/10	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT							NT	NT		NT	NT
68	08/11	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT						NT	NT		NT	NT
69	11-12/11	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT						NT	NT		NT	NT
70	06/12	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	NT	NT	Staff Gauge Not Installed	NT	NT
71	08/12	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT						NT	NT		NT	NT
72	11/12	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT						NT	NT		NT	NT
73	08/13	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT						NT	NT		NT	NT
74	11/13	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT						NT	NT		NT	NT
75	06/14	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT				NT	NT		NT	NT
76	08/14	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT				NT	NT	NT	NT	NT
77	11/14	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
78	06/15	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
79	08/15	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
80	11/15	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
81	06/16	NT	NT	NT	NT	NT	**1.2**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
82	11/16	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 1A
WATER QUALITY SUMMARY TABLE - UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Benzene**																				
Round	Sample	NH AGQS = 5 µg/L GW-2 = 2,900 µg/L																				WQCTS = 1.2 µg/L
Number	Date	GZ-2	GZ-3A	GZ-9U	GZ-10U	GZ-403U	GZ-404U	GZ-405U	GZ-607U	GZ-609U	GZ-612U	GZ-701U	GZ-802US	GZ-901U	GZ-902U	GZ-903U	GZ-904U	GZ-905U	MW-1S	MW-6	SG-902	SW-1	SW-2
66	08/10	<10	<10	<1	NT	<1	<5	<1,000	<5,000	<500	<500	NT	Well Not						<1	NT		<1	<1
67	11/10	**14**	<10	<1	NT	<1	<5	<1,000	<2,000	<200	<500	NT	Installed						<1	NT		<1	<1
68	08/11	**11**	<2.5	<1	NT	<1	<2.5	<500	<2,500	<100	<500	NT	<5,000						<1	NT		<1	<1
69	11-12/11	<1	<1	<1	NT	<1	<2.5	<1,000	<250	<100	<500	NT	NT						NT	NT		<1	<1
70	06/12	<5	<25	<1	NT	<1	<5	<1,000	<2,000	<500	<2,000	NT	NT	Well Not	Well Not	Well Not	Well Not	Well Not	<1	NT	Staff Gauge	<1	<1
71	08/12	**9.0**	<1	<1	NT	<1	<1	<1,000	<100	<100	<1,000	NT	NT	Installed	Installed	Installed	Installed	Installed	<1	NT	Not Installed	<1	<1
72	11/12	**17.1**	<100	<1	NT	<1	<1	<100	<1,000	<1,000	<100	NT	NT						<1	NT		<1	<1
73	08/13	**10**	<100	<1	NT	<1	<1	<100	<100	<100	<100	NT	NT						<1	NT		<1	<1
74	11/13	**6.0**	<100	<1	NT	<1	<1	<100	<100	<100	<100	NT	NT						<1	NT		<1	<1
75	06/14	**2.0**	<100	<1	<1	<1	<1	<100	<100	<100	<100	<1	<100	<1	<100				<1	<1		<1	<1
76	08/14	**5.0**	<100	<1	<1	<1	<1	<100	<100	<100	<100	NT	NT	NT	NT				<1	<1	NT	<1	<1
77	11/14	<1	<100	<1	<1	<1	<1	<100	<100	<100	<100	<1	**100**	<1	**4.0**	<1	<1	<1	<1	<1	NT	<1	<1
78	06/15	<1	**1.0**	<1	NT	<1	<1	<100	<100	<100	<100	NT	NT	NT	NT	<1	<1	<1	<10	NT	NT	<1	<1
79	08/15	**2.0**	**1.0**	<1	NT	<1	<1	<100	<100	<100	<100	NT	NT	NT	NT	NT	NT	NT	<10	NT	NT	<1	<1
80	11/15	**4.1**	**1.8**	<1	<1	<1	<1	**15.6**	**107**	**15.2**	**3.3**	<1	**242**	<1	**2.9**	<1	<1	<1	<1	<1	<1	<1	<1
81	06/16	**2.0**	**1.0**	NT	<1	NT	NT	**6.0**	**70**	**1.0**	<1	NT	**6.0**	NT	NT	<1	<1	<1	NT	<1	NT	NT	NT
82	11/16	**1.0**	**1.0**	<1	<1	<1	<1	<100	**100**	**5.0**	<1	<1	**300**	<1	**1.0**	<1	<1	<1	<1	<1	<1	<1	<1

NOTE: Please refer to last page for table notes.

TABLE 1A
WATER QUALITY SUMMARY TABLE - UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Toluene**																				
Round	Sample	NH AGQS = 1,000 µg/L GW-2 = 50,000 µg/L																				WQCTS = 6,800 µg/L
Number	Date	GZ-2	GZ-3A	GZ-9U	GZ-10U	GZ-403U	GZ-404U	GZ-405U	GZ-607U	GZ-609U	GZ-612U	GZ-701U	GZ-802US	GZ-901U	GZ-902U	GZ-903U	GZ-904U	GZ-905U	MW-1S	MW-6	SG-902	SW-1	SW-2
66	08/10	**190**	**250**	<1	NT	<1	<5	**3,000**	**7,000**	**1,500**	**1,000**	NT	Well Not						<1	NT		<1	<1
67	11/10	**360**	**640**	<1	NT	<1	<5	**3,000**	**3,000**	**400**	**3,400**	NT	Installed						<1	NT		<1	<1
68	08/11	**200**	**170**	<1	NT	<1	<2.5	**2,500**	**4,100**	**730**	**2,800**	NT	**16,000**						<1	NT		<1	<1
69	11-12/11	<1	**5.2**	<1	NT	<1	<2.5	**2,600**	**620**	**240**	**2,400**	NT	NT						NT	NT		<1	<1
70	06/12	**22.5**	**119**	<1	NT	<1	<5	**1,730**	<2,000	<500	**7,040**	NT	NT	Well Not	Well Not				<1	NT	Staff Gauge	<1	<1
71	08/12	**120**	**126**	<1	NT	<1	<1	**31**	**3,210**	**682**	**12**	NT	NT	Installed	Installed	Well Not	Well Not	Well Not	<1	NT	Not Installed	<1	<1
72	11/12	**280**	**199**	<1	NT	<1	<1	**529**	**1,590**	<1,000	**2,510**	NT	NT			Installed	Installed	Installed	<1	NT		<1	<1
73	08/13	**100**	**400**	<1	NT	<1	<1	**1,600**	**2,200**	**1,600**	**500**	NT	NT						<1	NT		<1	<1
74	11/13	**58.3**	**308**	<1	NT	<1	<1	**2,480**	**4,450**	**726**	<100	NT	NT						<1	NT		<1	<1
75	06/14	**30**	**200**	<1	<1	<1	<1	**700**	**300**	**1,300**	**4,500**	<1	**3,400**	<1	<100				<1	<1		<1	<1
76	08/14	**50**	**200**	<1	<1	<1	<1	**800**	**2,200**	**100**	<100	NT	NT	NT	NT				<1	<1	NT	<1	<1
77	11/14	<1	**300**	<1	<1	<1	<1	**900**	**2,700**	**400**	**3,700**	<1	**5,700**	<1	<1	<1	<1	<1	<1	<1	NT	<1	<1
78	06/15	**8.0**	**100**	<1	NT	<1	<1	**500**	**400**	**700**	**1,700**	NT	NT	NT	NT	<1	<1	<1	<10	NT	NT	<1	<1
79	08/15	**20**	**100**	<1	NT	<1	<1	**1,600**	**3,800**	**400**	**3.0**	NT	NT	NT	NT	NT	NT	NT	<10	NT	NT	<1	<1
80	11/15	**44.3**	**320**	<1	<1	<1	<1	**2,020**	**4,710**	**1,990**	**198**	<1	**6,900**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
81	06/16	**50**	**100**	NT	<1	NT	NT	**500**	**2,100**	**30**	**3.0**	NT	**100**	NT	NT	<1	<1	<1	NT	<1	NT	NT	NT
82	11/16	**10**	**200**	<1	<1	<1	<1	**500**	**5,000**	**20**	**10**	<1	**8,400**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

NOTE: Please refer to last page for table notes.

TABLE 1A
WATER QUALITY SUMMARY TABLE - UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Ethylbenzene**																				
Round	Sample	NH AGQS = 700 µg/L GW-2 = 1,500 µg/L																				WQCTS = 3,100 µg/L
Number	Date	GZ-2	GZ-3A	GZ-9U	GZ-10U	GZ-403U	GZ-404U	GZ-405U	GZ-607U	GZ-609U	GZ-612U	GZ-701U	GZ-802US	GZ-901U	GZ-902U	GZ-903U	GZ-904U	GZ-905U	MW-1S	MW-6	SG-902	SW-1	SW-2
66	08/10	**10**	**70**	<1	NT	<1	<5	<1,000	<5,000	<500	<500	NT	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	<1	NT	Staff Gauge Not Installed	<1	<1
67	11/10	**58**	**180**	<1	NT	<1	<5	<1,000	<2,000	<200	<500	NT							<1	NT		<1	<1
68	08/11	**35**	**57**	<1	NT	<1	<2.5	<500	<2,500	**200**	<500	NT	<5,000						<1	NT		<1	<1
69	11-12/11	<1	**1.2**	<1	NT	<1	<2.5	<1,000	<250	<100	<500	NT	NT						NT	NT		<1	<1
70	06/12	<5	**51.2**	<1	NT	<1	<5	<1,000	<2,000	<500	<2,000	NT	NT						<1	NT		<1	<1
71	08/12	**26.7**	**70**	<1	NT	<1	<1	**4.8**	**314**	**111**	**3.0**	NT	NT						<1	NT		<1	<1
72	11/12	**78**	<100	<1	NT	<1	<1	**101**	<1,000	<1,000	**172**	NT	NT						<1	NT		<1	<1
73	08/13	**40**	**100**	<1	NT	<1	<1	**300**	**200**	**100**	<100	NT	NT						<1	NT		<1	<1
74	11/13	**11.8**	**116**	<1	NT	<1	<1	**377**	**271**	<100	<100	NT	NT						<1	NT		<1	<1
75	06/14	**8.0**	<100	<1	<1	<1	<1	**100**	<100	**200**	**300**	<1	**200**	<1	<100				<1	<1		<1	<1
76	08/14	**20**	<100	<1	<1	<1	<1	**200**	**200**	<100	<100	NT	NT	NT	NT				<1	<1	NT	<1	<1
77	11/14	<1	**200**	<1	<1	<1	<1	**200**	**200**	**200**	**200**	<1	**300**	<1	<1	<1	<1	<1	<1	<1	NT	<1	<1
78	06/15	**1.0**	**70**	<1	NT	<1	<1	**100**	<100	**100**	**100**	NT	NT	NT	NT	<1	<1	<1	<10	NT	NT	<1	<1
79	08/15	**4.0**	**80**	<1	NT	<1	<1	**300**	**300**	**100**	**4.0**	NT	NT	NT	NT	NT	NT	NT	<1	NT	NT	<1	<1
80	11/15	**12.2**	**119**	<1	<1	<1	<1	**376**	**271**	**365**	**24.5**	<1	**469**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
81	06/16	**10**	**70**	NT	<1	NT	NT	**200**	**200**	**5.0**	<1	NT	**10**	NT	NT	<1	<1	<1	NT	<1	NT	NT	NT
82	11/16	**3.0**	**90**	<1	<1	<1	<1	**200**	**300**	**2.0**	**1.0**	<1	**400**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

NOTE: Please refer to last page for table notes.

TABLE 1A
WATER QUALITY SUMMARY TABLE - UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Total Xylenes**																				
Round	Sample	NH AGQS = 10,000 µg/L GW-2 = 17,000 µg/L																				WQCTS = NA
Number	Date	GZ-2	GZ-3A	GZ-9U	GZ-10U	GZ-403U	GZ-404U	GZ-405U	GZ-607U	GZ-609U	GZ-612U	GZ-701U	GZ-802US	GZ-901U	GZ-902U	GZ-903U	GZ-904U	GZ-905U	MW-1S	MW-6	SG-902	SW-1	SW-2
66	08/10	**50**	**280**	<1	NT	<1	<5	**2,000**	<5,000	**1,200**	<500	NT	Well Not						<1	NT		<1	<1
67	11/10	**213**	**770**	<1	NT	<1	<5	**1,000**	<2,000	**400**	**800**	NT	Installed						<1	NT		<1	<1
68	08/11	**120**	**216**	<1.5	NT	<1.5	<3.8	**2,200**	<3,750	**1,110**	<750	NT	<7,500						<1.5	NT		<1.5	<1.5
69	11-12/11	<15	**4.1**	<1.5	NT	<1.5	<3.8	<1,500	<0.375	**220**	<750	NT	NT	Well Not	Well Not				NT	NT		<1.5	<1.5
70	06/12	<15	**189.5**	<3	NT	<3	<15	<3,000	<6,000	<150	<6,000	NT	NT	Installed	Installed	Well Not	Well Not	Well Not	<3	NT	Staff Gauge	<3	<1.5
71	08/12	**100**	**149**	<1	NT	<1	<1	**27.5**	**1,600**	**557**	**10.2**	NT	NT			Installed	Installed	Installed	<1	NT	Not Installed	<1	<1
72	11/12	**226**	**218**	<1	NT	<1	<1	**483**	<1,000	<1,000	**781**	NT	NT						<1	NT		<1	<1
73	08/13	**200**	**400**	<3	NT	<3	<3	**1,500**	**1,000**	**800**	<300	NT	NT						<3	NT		<3	<3
74	11/13	**40**	**400**	<2	NT	<2	<2	**2,400**	**1,500**	**600**	<200	NT	NT						<2	NT		<2	<2
75	06/14	**20**	**300**	<3	<3	<3	<3	**900**	<300	**1,100**	**1,600**	<3	**1,200**	<3	<300				<3	<3		<3	<3
76	08/14	**50**	<300	<3	<3	<3	<3	**1,100**	**800**	<300	<300	NT	NT	NT	NT				<3	<3	NT	<3	<3
77	11/14	<3	**600**	<3	<3	<3	<3	**1,000**	**800**	**1,000**	**1,200**	<3	**1,900**	<3	<3	<3	<3	<3	<3	<3	NT	<3	<3
78	06/15	**3.0**	**300**	<3	NT	<3	<3	**700**	<300	**800**	**700**	NT	NT	NT	NT	<3	<3	<3	<30	NT	NT	<3	<3
79	08/15	**20**	<300	<3	NT	<3	<3	**2,000**	**1,300**	**500**	**9.0**	NT	NT	NT	NT	NT	NT	NT	<30	NT	NT	<3	<3
80	11/15	**43.2**	**450**	<2	<2,000	<2	<2	**2,480**	**1,460**	**2,380**	**120**	<2	**2,920**	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
81	06/16	**40**	**200**	NT	<3	NT	NT	**1,000**	**900**	**30**	<3	NT	**100**	NT	NT	<3	<3	<3	NT	<3	NT	NT	NT
82	01/16	**10**	**400**	<3	<3	<3	<3	**1,400**	**1,400**	**50**	**7.0**	<3	**2,100**	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3

NOTE: Please refer to last page for table notes.

TABLE 1A
WATER QUALITY SUMMARY TABLE - UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Methyl *tertiary* -Butyl Ether (MtBE)**																				
Round	Sample	NH AGQS = 13 µg/L GW-2 = 2,600 µg/L																				WQCTS = NA
Number	Date	GZ-2	GZ-3A	GZ-9U	GZ-10U	GZ-403U	GZ-404U	GZ-405U	GZ-607U	GZ-609U	GZ-612U	GZ-701U	GZ-802US	GZ-901U	GZ-902U	GZ-903U	GZ-904U	GZ-905U	MW-1S	MW-6	SG-902	SW-1	SW-2
66	08/10	<10	<10	ND	NT	**36**	**730**	<1,000	<5,000	<500	<500	NT	Well Not						ND	NT		ND	<5
67	11/10	<5	<10	ND	NT	<5	**770**	<1,000	<2,000	<200	<500	NT	Installed						ND	NT		ND	<5
68	08/11	<1	<2.5	ND	NT	**1.9**	**460**	<500	<2,500	<100	<500	NT	<5,000						ND	NT		ND	<1
69	11-12/11	<1	<1	ND	NT	**13**	**430**	<1,000	<250	<100	<500	NT	NT						NT	NT		ND	<1
70	06/12	<5	<25	ND	NT	**2.9**	**274**	<1,000	<2,000	<500	<2,000	NT	NT	Well Not	Well Not				ND	NT	Staff Gauge	ND	<1
71	08/12	<1	<1	ND	NT	**8.2**	**360**	<1,000	<100	<100	<1,000	NT	NT	Installed	Installed	Well Not	Well Not	Well Not	ND	NT	Not Installed	ND	<1
72	11/12	<10	<100	ND	NT	**1.9**	**397**	<100	<1,000	<1,000	<100	NT	NT			Installed	Installed	Installed	ND	NT		ND	<1
73	08/13	<1	<100	ND	NT	**10**	**200**	<100	<100	<100	<100	NT	NT						ND	NT		ND	<1
74	11/13	<1	<100	ND	NT	**4.7**	**126**	<100	<100	<100	<100	NT	NT						ND	NT		ND	<1
75	06/14	<1	<100	ND	ND	**2.0**	**90**	<100	<100	<100	<100	**3.0**	<100	ND	ND				ND	ND		ND	<1
76	08/14	<1	<100	ND	ND	**2.0**	**70**	<100	<100	<100	<100	NT	NT	NT	NT				ND	ND	NT	ND	<1
77	11/14	**70**	<100	ND	ND	**1.0**	**50**	<100	<100	<100	<100	**1.0**	<100	ND	ND	ND	ND	ND	ND	ND	NT	ND	<1
78	06/15	<1	<1	ND	NT	**2.0**	**40**	<100	<100	<100	<100	NT	NT	NT	NT	ND	ND	ND	ND	NT	NT	ND	<1
79	08/15	<1	<1	ND	NT	**4.0**	**40**	<100	<100	<100	<100	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	<1	<1
80	11/15	<1	<1	<1	<1	**1.2**	**52.8**	<1	<1	<1	<1	**6.6**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
81	06/16	<1	<1	NT	<1	NT	NT	<1	<1	<1	<1	NT	<1	NT	NT	<1	<1	<1	NT	<1	NT	NT	NT
82	11/16	<1	<1	<1	<1	<1	**20.2**	<100	<1	<1	<1	**3.0**	<100	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

NOTE: Please refer to last page for table notes.

TABLE 1A
WATER QUALITY SUMMARY TABLE - UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**tert-Amyl methyl ether (TAME)**																				
Round Number	Sample Date	NH AGQS = 140 µg/L GW-2 = NA																				WQCTS = NA
		GZ-2	GZ-3A	GZ-9U	GZ-10U	GZ-403U	GZ-404U	GZ-405U	GZ-607U	GZ-609U	GZ-612U	GZ-701U	GZ-802US	GZ-901U	GZ-902U	GZ-903U	GZ-904U	GZ-905U	MW-1S	MW-6	SG-902	SW-1	SW-2
66	08/10	<50	<50	ND	NT	<5	<30	<5,000	<30,000	<3,000	<3,000	NT	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	ND	NT	Staff Gauge Not Installed	ND	<5
67	11/10	<30	<50	ND	NT	<5	<30	<5,000	<10,000	<1,000	<3,000	NT							ND	NT		ND	<5
68	08/11	<2	<5	ND	NT	<2	**6.4**	<1,000	<5,000	<200	<1,000	NT	<10,000						ND	NT		ND	<2
69	11-12/11	<2	<2	ND	NT	<2	**7.0**	<2,000	<500	<200	<1,000	NT	NT						NT	NT		ND	<2
70	06/12	<10	<50	ND	NT	<2	<10	<2,000	<4,000	<1,000	<4,000	NT	NT						ND	NT		ND	<2
71	08/12	<1	<1	ND	NT	<1	**3.8**	<1,000	<100	<100	<1,000	NT	NT						ND	NT		ND	<1
72	11/12	<10	<100	ND	NT	**1.9**	**4.6**	<100	<1,000	<1,000	<100	NT	NT						ND	NT		ND	<1
73	08/13	<1	<100	ND	NT	<1	**2.0**	<100	<100	<100	<100	NT	NT						ND	NT		ND	<1
74	11/13	<1	<100	ND	NT	<1	**1.4**	<100	<100	<100	<100	NT	NT						ND	NT		ND	<1
75	06/14	<1	<100	ND	ND	<1	**1.0**	<100	<100	<100	<100	<1	<100	ND	ND				ND	ND		ND	<1
76	08/14	<1	<100	ND	ND	<1	<1	<100	<100	<100	<100	NT	NT	NT	NT				ND	ND	NT	ND	<1
77	11/14	**1.0**	<100	ND	ND	<1	<1	<100	<100	<100	<100	<1	<100	ND	ND	ND	ND	ND	ND	ND	NT	ND	<1
78	06/15	<1	<1	ND	NT	<1	<1	<100	<100	<100	<100	NT	NT	NT	NT	ND	ND	ND	ND	NT	NT	ND	<1
79	08/15	<1	<1	ND	NT	<1	<1	<100	<100	<100	<100	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	<1	<1
80	11/15	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
81	06/16	<1	<1	NT	<1	NT	NT	<1	<1	<1	<1	NT	<1	NT	NT	<1	<1	<1	NT	<1	NT	NT	NT
82	11/16	<1	<1	<1	<1	<1	<1	<100	<1	<1	<1	<1	<100	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

NOTE: Please refer to last page for table notes.

TABLE 1A
WATER QUALITY SUMMARY TABLE - UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Tert-butyl alcohol (TBA)**																				
Round Number	Sample Date	NH AGQS = 40 µg/L GW-2 = NA																				WQCTS = NA
		GZ-2	GZ-3A	GZ-9U	GZ-10U	GZ-403U	GZ-404U	GZ-405U	GZ-607U	GZ-609U	GZ-612U	GZ-701U	GZ-802US	GZ-901U	GZ-902U	GZ-903U	GZ-904U	GZ-905U	MW-1S	MW-6	SG-902	SW-1	SW-2
66	08/10	<300	<300	ND	NT	**60**	<200	<30,000	<200,000	<20,000	<20,000	NT	Well Not Installed						ND	NT		ND	<30
67	11/10	<200	<300	ND	NT	<30	<200	<30,000	<60,000	<6,000	<20,000	NT							ND	NT		ND	<30
68	08/11	<25	<63	ND	NT	<25	<63	<13,000	<63,000	<2,500	<13,000	NT	<130,000						ND	NT		ND	<25
69	11-12/11	<25	<25	ND	NT	**57**	**99**	<25,000	<6,300	<2,500	<13,000	NT	NT						NT	NT		ND	<25
70	06/12	<125	<625	ND	NT	<25	**200**	<25,000	<50,000	<12,500	<50,000	NT	NT	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	ND	NT	Staff Gauge Not Installed	ND	<25
71	08/12	<25	<25	ND	NT	**33.1**	**29**	<25	<2,500	<2,500	<25,000	NT	NT						ND	NT		ND	<25
72	11/12	<250	<2,500	ND	NT	<25	**60.9**	<2,500	<25,000	<25,000	<2,500	NT	NT						ND	NT		ND	<25
73	08/13	<20	<2,500	ND	NT	**50**	**100**	**2,500**	<2,500	<2,500	<2,500	NT	NT						ND	NT		ND	<20
74	11/13	<25	<2,500	ND	NT	<25	**95.4**	<2,500	<2,500	<2,500	<2,500	NT	NT						ND	NT		ND	<25
75	06/14	<20	<2,500	ND	ND	<20	**80**	<2,500	<2,500	<2,500	<2,500	<20	<2,500	ND	ND				ND	ND		ND	<20
76	08/14	<20	<2,500	ND	ND	<20	**100**	<2,500	<2,500	<2,500	<2,500	NT	NT	NT	NT				ND	ND	NT	ND	<20
77	11/14	<20	<2,500	ND	ND	<20	**90**	<2,500	<2,500	<2,500	<2,500	<20	<2,500	ND	ND	ND	ND	ND	ND	ND	NT	ND	<20
78	06/15	<20	<20	ND	NT	<20	**90**	<2,500	<2,500	<2,500	<2,500	NT	NT	NT	NT	ND	ND	ND	ND	NT	NT	ND	<20
79	08/15	<20	<20	ND	NT	<20	**90**	<2,500	<2,500	<2,500	<2,500	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	<20	<20
80	11/15	<25	<25	<25	<25	<25	**150**	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
81	06/16	<20	<20	NT	<20	NT	NT	<20	<20	<20	<20	NT	<20	NT	NT	<20	<20	<20	NT	<20	NT	NT	NT
82	11/16	<20	<20	<20	<20	<20	**100**	<2,500	<20	<20	<20	<20	<2,500	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20

NOTE: Please refer to last page for table notes.

TABLE 1A
WATER QUALITY SUMMARY TABLE - UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Acetone**																				
Round	Sample	NH AGQS = 6,000 µg/L GW-2 = NA																				WQCTS = NA
Number	Date	GZ-2	GZ-3A	GZ-9U	GZ-10U	GZ-403U	GZ-404U	GZ-405U	GZ-607U	GZ-609U	GZ-612U	GZ-701U	GZ-802US	GZ-901U	GZ-902U	GZ-903U	GZ-904U	GZ-905U	MW-1S	MW-6	SG-902	SW-1	SW-2
66	08/10	ND	**600**	ND	NT	ND	ND	ND	ND	ND	ND	NT	Well Not						ND	NT		ND	ND
67	11/10	ND	**200**	ND	NT	ND	ND	ND	ND	ND	ND	NT	Installed						ND	NT		ND	ND
68	08/11	ND	**180**	ND	NT	ND	ND	ND	ND	ND	ND	NT	ND						ND	NT		ND	ND
69	11-12/11	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT						NT	NT		ND	ND
70	06/12	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT	Well Not	Well Not				ND	NT		ND	ND
71	08/12	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT	Installed	Installed	Well Not	Well Not	Well Not	ND	NT	Staff Gauge	ND	ND
72	11/12	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT			Installed	Installed	Installed	ND	NT	Not Installed	ND	ND
73	08/13	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT						ND	NT		ND	ND
74	11/13	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT						ND	NT		ND	ND
75	06/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND	ND		ND	ND
76	08/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT				ND	ND	NT	ND	ND
77	11/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND
78	06/15	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	NT	NT	ND	ND
79	08/15	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	ND	ND
80	11/15	<25	<25	<25	<25	<25	<25	<25	<25	**40.7**	<25	<25	**43.6**	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
81	06/16	<20	<20	NT	<20	NT	NT	<20	<20	<20	<20	NT	<20	NT	NT	<20	<20	<20	NT	<20	NT	NT	NT
82	11/16	<20	<20	<20	<20	<20	<20	<2,500	**60**	<20	<20	<20	<2,500	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20

Contaminant:		**2-Butanone (MEK)**																				
Round	Sample	NH AGQS = 4,000 µg/L GW-2 = 2,600 µg/L																				WQCTS = NA
Number	Date	GZ-2	GZ-3A	GZ-9U	GZ-10U	GZ-403U	GZ-404U	GZ-405U	GZ-607U	GZ-609U	GZ-612U	GZ-701U	GZ-802US	GZ-901U	GZ-902U	GZ-903U	GZ-904U	GZ-905U	MW-1S	MW-6	SG-902	SW-1	SW-2
66	08/10	ND	**300**	ND	NT	ND	ND	ND	ND	ND	ND	NT	Well Not						ND	NT		ND	ND
67	11/10	ND	**200**	ND	NT	ND	ND	ND	ND	ND	ND	NT	Installed						ND	NT		ND	ND
68	08/11	ND	**190**	ND	NT	ND	ND	ND	ND	ND	ND	NT	ND						ND	NT		ND	ND
69	11-12/11	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT						NT	NT		ND	ND
70	06/12	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT	Well Not	Well Not				ND	NT		ND	ND
71	08/12	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT	Installed	Installed	Well Not	Well Not	Well Not	ND	NT	Staff Gauge	ND	ND
72	11/12	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT			Installed	Installed	Installed	ND	NT	Not Installed	ND	ND
73	08/13	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT						ND	NT		ND	ND
74	11/13	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT						ND	NT		ND	ND
75	06/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND	ND		ND	ND
76	08/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT				ND	ND	NT	ND	ND
77	11/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND
78	06/15	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	NT	NT	ND	ND
79	08/15	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	ND	ND
80	11/15	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
81	06/16	<20	<20	NT	<20	NT	NT	<20	<20	<20	<20	NT	<20	NT	NT	<20	<20	<20	NT	<20	NT	NT	NT
82	11/16	<20	<20	<20	<20	<20	<20	<2,500	<20	<20	<20	<20	<2,500	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20

NOTE: Please refer to last page for table notes.

TABLE 1A
WATER QUALITY SUMMARY TABLE - UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**1,2,4-trimethylbenzene**																				
Round	Sample	NH AGQS = 330 µg/L GW-2 = 1,300 µg/L																				WQCTS = NA
Number	Date	GZ-2	GZ-3A	GZ-9U	GZ-10U	GZ-403U	GZ-404U	GZ-405U	GZ-607U	GZ-609U	GZ-612U	GZ-701U	GZ-802US	GZ-901U	GZ-902U	GZ-903U	GZ-904U	GZ-905U	MW-1S	MW-6	SG-902	SW-1	SW-2
66	08/10	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	Well Not						ND	NT		ND	ND
67	11/10	**7.0**	**10**	ND	NT	ND	ND	ND	ND	ND	ND	NT	Installed						ND	NT		ND	ND
68	08/11	**6.3**	**4.6**	ND	NT	ND	ND	ND	ND	ND	ND	NT	ND						ND	NT		ND	ND
69	11-12/11	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT						NT	NT		ND	ND
70	06/12	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT	Well Not	Well Not				ND	NT	Staff Gauge	ND	ND
71	08/12	**8.0**	**3.7**	ND	NT	ND	ND	ND	ND	ND	**1.2**	NT	NT	Installed	Installed	Well Not	Well Not	Well Not	ND	NT	Not Installed	ND	ND
72	11/12	**16.3**	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT			Installed	Installed	Installed	ND	NT		ND	ND
73	08/13	**8.0**	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT						ND	NT		ND	ND
74	11/13	**3.9**	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT						ND	NT		ND	ND
75	06/14	**1.0**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND	ND		ND	ND
76	08/14	**5.0**	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT				ND	ND	NT	ND	ND
77	11/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND
78	06/15	ND	**6.0**	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	NT	NT	ND	ND
79	08/15	**1.0**	**5.0**	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	ND	ND
80	11/15	**2.3**	**8.1**	<1	<1	<1	<1	**80.7**	**22.4**	**81**	**3.1**	<1	**84.1**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
81	06/16	<1	**5.0**	NT	<1	NT	NT	**40**	**20**	<1	<1	NT	**6.0**	NT	NT	<1	<1	<1	NT	<1	NT	NT	NT
82	11/16	**1.0**	**8.0**	<1	<1	<1	<1	<100	**20**	**1.0**	<1	<1	<100	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

Contaminant:		**1,3,5-trimethylbenzene**																				
Round	Sample	NH AGQS = 330 µg/L GW-2 = NA																				WQCTS = NA
Number	Date	GZ-2	GZ-3A	GZ-9U	GZ-10U	GZ-403U	GZ-404U	GZ-405U	GZ-607U	GZ-609U	GZ-612U	GZ-701U	GZ-802US	GZ-901U	GZ-902U	GZ-903U	GZ-904U	GZ-905U	MW-1S	MW-6	SG-902	SW-1	SW-2
66	08/10	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	Well Not						ND	NT		ND	ND
67	11/10	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	Installed						ND	NT		ND	ND
68	08/11	**2.0**	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	ND						ND	NT		ND	ND
69	11-12/11	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT						NT	NT		ND	ND
70	06/12	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT	Well Not	Well Not				ND	NT	Staff Gauge	ND	ND
71	08/12	**2.5**	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT	Installed	Installed	Well Not	Well Not	Well Not	ND	NT	Not Installed	ND	ND
72	11/12	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT			Installed	Installed	Installed	ND	NT		ND	ND
73	08/13	**3.0**	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT						ND	NT		ND	ND
74	11/13	**1.2**	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT						ND	NT		ND	ND
75	06/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND	ND		ND	ND
76	08/14	**2.0**	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT				ND	ND	NT	ND	ND
77	11/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND
78	06/15	ND	**2.0**	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	NT	NT	ND	ND
79	08/15	ND	**1.0**	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	ND	ND
80	11/15	<1	**1.8**	<1	<1	<1	<1	**24.9**	**7.3**	**24.5**	<1	<1	**25.5**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
81	06/16	<1	**1.0**	NT	<1	NT	NT	**10**	**6.0**	<1	<1	NT	**2.0**	NT	NT	<1	<1	<1	NT	<1	NT	NT	NT
82	11/16	<1	**2.0**	<1	<1	<1	<1	<100	**6.0**	<1	<1	<1	<100	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

NOTE: Please refer to last page for table notes.

TABLE 1A
WATER QUALITY SUMMARY TABLE - UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**1,2-dichlorobenzene**																				
Round	Sample	NH AGQS = 600 µg/L GW-2 = 14,000 µg/L																				WQCTS = 2,700 µg/L
Number	Date	GZ-2	GZ-3A	GZ-9U	GZ-10U	GZ-403U	GZ-404U	GZ-405U	GZ-607U	GZ-609U	GZ-612U	GZ-701U	GZ-802US	GZ-901U	GZ-902U	GZ-903U	GZ-904U	GZ-905U	MW-1S	MW-6	SG-902	SW-1	SW-2
66	08/10	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	Well Not						ND	NT		ND	ND
67	11/10	ND	**10**	ND	NT	ND	ND	ND	ND	ND	ND	NT	Installed						ND	NT		ND	ND
68	08/11	ND	**3.2**	ND	NT	ND	ND	ND	ND	ND	ND	NT	ND						ND	NT		ND	ND
69	11-12/11	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT						NT	NT		ND	ND
70	06/12	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT	Well Not	Well Not				ND	NT	Staff Gauge	ND	ND
71	08/12	ND	**2.4**	ND	NT	ND	ND	ND	ND	ND	**7.4**	NT	NT	Installed	Installed	Well Not	Well Not	Well Not	ND	NT	Not Installed	ND	ND
72	11/12	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT			Installed	Installed	Installed	ND	NT		ND	ND
73	08/13	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT						ND	NT		ND	ND
74	11/13	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT						ND	NT		ND	ND
75	06/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND	ND		ND	ND
76	08/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT				ND	ND	NT	ND	ND
77	11/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND
78	06/15	ND	**4.0**	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	NT	NT	ND	ND
79	08/15	ND	**4.0**	ND	NT	ND	ND	ND	ND	ND	**5.0**	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	ND	ND
80	11/15	ND	**6.1**	<1	<1	<1	<1	<1	<1	**1.9**	**6.0**	<1	**6.2**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
81	06/16	<1	**4.0**	NT	<1	NT	NT	<1	<1	**1.0**	**9.0**	NT	**2.0**	NT	NT	<1	<1	<1	NT	<1	NT	NT	NT
82	11/16	<1	**6.0**	<1	<1	<1	<1	<100	<1	<1	**3.0**	<1	<100	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

Contaminant:		**1,3-dichlorobenzene**																				
Round	Sample	NH AGQS = 600 µg/L GW-2 = NA																				WQCTS = 400 µg/L
Number	Date	GZ-2	GZ-3A	GZ-9U	GZ-10U	GZ-403U	GZ-404U	GZ-405U	GZ-607U	GZ-609U	GZ-612U	GZ-701U	GZ-802US	GZ-901U	GZ-902U	GZ-903U	GZ-904U	GZ-905U	MW-1S	MW-6	SG-902	SW-1	SW-2
66	08/10	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	Well Not						ND	NT		ND	ND
67	11/10	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	Installed						ND	NT		ND	ND
68	08/11	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	ND						ND	NT		ND	ND
69	11-12/11	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT						NT	NT		ND	ND
70	06/12	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT	Well Not	Well Not				ND	NT	Staff Gauge	ND	ND
71	08/12	ND	ND	ND	NT	ND	ND	ND	ND	ND	**2.4**	NT	NT	Installed	Installed	Well Not	Well Not	Well Not	ND	NT	Not Installed	ND	ND
72	11/12	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT			Installed	Installed	Installed	ND	NT		ND	ND
73	08/13	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT						ND	NT		ND	ND
74	11/13	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT						ND	NT		ND	ND
75	06/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND	ND		ND	ND
76	08/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT				ND	ND	NT	ND	ND
77	11/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND
78	06/15	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	NT	NT	ND	ND
79	08/15	ND	ND	ND	NT	ND	ND	ND	ND	ND	**1.0**	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	ND	ND
80	11/15	<1	<1	<1	<1	<1	<1	<1	<1	<1	**2.0**	<1	**1.2**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
81	06/16	<1	<1	NT	<1	NT	NT	<1	<1	<1	**2.0**	NT	<1	NT	NT	<1	<1	<1	NT	<1	NT	NT	NT
82	11/16	<1	<1	<1	<1	<1	<1	<100	<1	<1	**2.0**	<1	<100	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

NOTE: Please refer to last page for table notes.

TABLE 1A
WATER QUALITY SUMMARY TABLE - UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**1,4-dichlorobenzene**																				
Round	Sample	NH AGQS = 75 µg/L GW-2 = 80 µg/L																				WQCTS = 400 µg/L
Number	Date	GZ-2	GZ-3A	GZ-9U	GZ-10U	GZ-403U	GZ-404U	GZ-405U	GZ-607U	GZ-609U	GZ-612U	GZ-701U	GZ-802US	GZ-901U	GZ-902U	GZ-903U	GZ-904U	GZ-905U	MW-1S	MW-6	SG-902	SW-1	SW-2
66	08/10	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	Well Not						ND	NT		ND	ND
67	11/10	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	Installed						ND	NT		ND	ND
68	08/11	**1.0**	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	ND						ND	NT		ND	ND
69	11-12/11	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT						NT	NT		ND	ND
70	06/12	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT	Well Not	Well Not				ND	NT	Staff Gauge	ND	ND
71	08/12	**1.1**	**1.3**	ND	NT	ND	ND	ND	ND	ND	**7.9**	NT	NT	Installed	Installed	Well Not	Well Not	Well Not	ND	NT	Not Installed	ND	ND
72	11/12	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT			Installed	Installed	Installed	ND	NT		ND	ND
73	08/13	**1.0**	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT						ND	NT		ND	ND
74	11/13	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT						ND	NT		ND	ND
75	06/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND	ND		ND	ND
76	08/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT				ND	ND	NT	ND	ND
77	11/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND
78	06/15	ND	**3.0**	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	NT	NT	ND	ND
79	08/15	ND	**3.0**	ND	NT	ND	ND	ND	ND	ND	**4.0**	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	ND	ND
80	11/15	**1.1**	**3.6**	<1	<1	<1	<1	**3.6**	**2.4**	**6.1**	**5.4**	<1	**17.4**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
81	06/16	<1	**3.0**	NT	<1	NT	NT	**2.0**	**2.0**	**2.0**	**8.0**	NT	**6.0**	NT	NT	<1	<1	<1	NT	<1	NT	NT	NT
82	11/16	<1	**3.0**	<1	<1	<1	<1	<100	**2.0**	**2.0**	**3.0**	<1	<100	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

Contaminant:		**n-Propylbenzene**																				
Round	Sample	NH AGQS = 260 µg/L GW-2 = NA																				WQCTS = NA
Number	Date	GZ-2	GZ-3A	GZ-9U	GZ-10U	GZ-403U	GZ-404U	GZ-405U	GZ-607U	GZ-609U	GZ-612U	GZ-701U	GZ-802US	GZ-901U	GZ-902U	GZ-903U	GZ-904U	GZ-905U	MW-1S	MW-6	SG-902	SW-1	SW-2
66	08/10	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	Well Not						ND	NT		ND	ND
67	11/10	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	Installed						ND	NT		ND	ND
68	08/11	**1.1**	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	ND						ND	NT		ND	ND
69	11-12/11	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT						NT	NT		ND	ND
70	06/12	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT	Well Not	Well Not				ND	NT	Staff Gauge	ND	ND
71	08/12	**1.5**	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT	Installed	Installed	Well Not	Well Not	Well Not	ND	NT	Not Installed	ND	ND
72	11/12	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT			Installed	Installed	Installed	ND	NT		ND	ND
73	08/13	**1.0**	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT						ND	NT		ND	ND
74	11/13	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT						ND	NT		ND	ND
75	06/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND	ND		ND	ND
76	08/14	**1.0**	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT				ND	ND	NT	ND	ND
77	11/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND
78	06/15	ND	**1.0**	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	NT	NT	ND	ND
79	08/15	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	ND	ND
80	11/15	<1	**1.2**	<1	<1	<1	<1	**15.1**	**4.4**	**15.4**	**1.1**	<1	**26.8**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
81	06/16	<1	**1.0**	NT	<1	NT	NT	**9.0**	**4.0**	<1	<1	NT	**2.0**	NT	NT	<1	<1	<1	NT	<1	NT	NT	NT
82	11/16	<1	**2.0**	<1	<1	<1	<1	<100	**4.0**	<1	<1	<1	<100	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

NOTE: Please refer to last page for table notes.

TABLE 1A
WATER QUALITY SUMMARY TABLE - UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Chlorobenzene**																				
Round	Sample	NH AGQS = 100 µg/L GW-2 = 1,500 µg/L																				WQCTS = 20 µg/L
Number	Date	GZ-2	GZ-3A	GZ-9U	GZ-10U	GZ-403U	GZ-404U	GZ-405U	GZ-607U	GZ-609U	GZ-612U	GZ-701U	GZ-802US	GZ-901U	GZ-902U	GZ-903U	GZ-904U	GZ-905U	MW-1S	MW-6	SG-902	SW-1	SW-2
66	08/10	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	Well Not						ND	NT		ND	ND
67	11/10	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	Installed						ND	NT		ND	ND
68	08/11	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	ND						ND	NT		ND	ND
69	11-12/11	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT						NT	NT		ND	ND
70	06/12	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT	Well Not	Well Not				ND	NT		ND	ND
71	08/12	ND	**1.1**	ND	NT	ND	ND	ND	ND	ND	**3.2**	NT	NT	Installed	Installed	Well Not	Well Not	Well Not	ND	NT	Staff Gauge	ND	ND
72	11/12	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT			Installed	Installed	Installed	ND	NT	Not Installed	ND	ND
73	08/13	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT						ND	NT		ND	ND
74	11/13	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT						ND	NT		ND	ND
75	06/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND	ND		ND	ND
76	08/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT				ND	ND	NT	ND	ND
77	11/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND
78	06/15	ND	**1.0**	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	NT	NT	ND	ND
79	08/15	ND	**1.0**	ND	NT	ND	ND	ND	ND	ND	**1.0**	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	ND	ND
80	11/15	<1	**2.4**	<1	<1	<1	<1	<1	<1	<1	**1.8**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
81	06/16	<1	**1.0**	NT	<1	NT	NT	<1	<1	<1	**3.0**	NT	<1	NT	NT	<1	<1	<1	NT	<1	NT	NT	NT
82	11/16	<1	**2.0**	<1	<1	<1	<1	<100	<1	<1	<1	<1	<100	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

Contaminant:		**Naphthalene**																				
Round	Sample	NH AGQS = 20 µg/L GW-2 = 1,700 µg/L																				WQCTS = NA
Number	Date	GZ-2	GZ-3A	GZ-9U	GZ-10U	GZ-403U	GZ-404U	GZ-405U	GZ-607U	GZ-609U	GZ-612U	GZ-701U	GZ-802US	GZ-901U	GZ-902U	GZ-903U	GZ-904U	GZ-905U	MW-1S	MW-6	SG-902	SW-1	SW-2
66	08/10	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	Well Not						ND	NT		ND	ND
67	11/10	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	Installed						ND	NT		ND	ND
68	08/11	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	ND						ND	NT		ND	ND
69	11-12/11	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT						NT	NT		ND	ND
70	06/12	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT	Well Not	Well Not				ND	NT		ND	ND
71	08/12	**1.0**	**1.5**	ND	NT	ND	ND	ND	ND	ND	**1.1**	NT	NT	Installed	Installed	Well Not	Well Not	Well Not	ND	NT	Staff Gauge	ND	ND
72	11/12	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT			Installed	Installed	Installed	ND	NT	Not Installed	ND	ND
73	08/13	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT						ND	NT		ND	ND
74	11/13	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT						ND	NT		ND	ND
75	06/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND	ND		ND	ND
76	08/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT				ND	ND	NT	ND	ND
77	11/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND
78	06/15	ND	**5.0**	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	NT	NT	ND	ND
79	08/15	ND	**4.0**	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	ND	ND
80	11/15	<1	**6.5**	<1	<1	<1	<1	**10.8**	**5.3**	**11.7**	**2.1**	<1	**21.6**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
81	06/16	<1	**5.0**	NT	<1	NT	NT	**5.0**	**3.0**	<1	<1	NT	**3.0**	NT	NT	<1	<1	<1	NT	<1	NT	NT	NT
82	11/16	<1	**6.0**	<1	<1	<1	<1	<100	**3.0**	<1	<1	<1	<100	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

NOTE: Please refer to last page for table notes.

TABLE 1A
WATER QUALITY SUMMARY TABLE - UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Carbon Disulfide**																				
Round Number	Sample Date	NH AGQS = 70 µg/L GW-2 = NA																				WQCTS = NA
		GZ-2	GZ-3A	GZ-9U	GZ-10U	GZ-403U	GZ-404U	GZ-405U	GZ-607U	GZ-609U	GZ-612U	GZ-701U	GZ-802US	GZ-901U	GZ-902U	GZ-903U	GZ-904U	GZ-905U	MW-1S	MW-6	SG-902	SW-1	SW-2
66	08/10	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	ND	NT	Staff Gauge Not Installed	ND	ND
67	11/10	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT							ND	NT		ND	ND
68	08/11	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	ND						ND	NT		ND	ND
69	11-12/11	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT						NT	NT		ND	ND
70	06/12	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT						ND	NT		ND	ND
71	08/12	ND	ND	ND	NT	ND	ND	ND	ND	ND	**1.9**	NT	NT						ND	NT		ND	ND
72	11/12	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT						ND	NT		ND	ND
73	08/13	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT						ND	NT		ND	ND
74	11/13	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT						ND	NT		ND	ND
75	06/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND	ND		ND	ND
76	08/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT				ND	ND	NT	ND	ND
77	11/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2.0**	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND
78	06/15	ND	**10**	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND	ND	ND	ND	NT	NT	ND	ND
79	08/15	ND	**1.0**	ND	NT	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	ND	ND
80	11/15	<1	<1	<1	<1	<1	**1.3**	**3.7**	<1	<1	<1	<1	**5.1**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
81	06/16	<1	<1	NT	<1	NT	NT	<1	**2.0**	<1	<1	NT	<1	NT	NT	<1	<1	<1	NT	<1	NT	NT	NT
82	11/16	**2.0**	**10.1**	<1	<1	<1	<1	<100	<1	<1	<1	<1	<100	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

NOTE: Please refer to last page for table notes.

TABLE 1A
WATER QUALITY SUMMARY TABLE - UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Dissolved Oxygen**																				
Round	Sample	NH AGQS/GW-2 = NA																				
Number	Date	GZ-2	GZ-3A	GZ-9U	GZ-10U	GZ-403U	GZ-404U	GZ-405U	GZ-607U	GZ-609U	GZ-612U	GZ-701U	GZ-802US	GZ-901U	GZ-902U	GZ-903U	GZ-904U	GZ-905U	MW-1S	MW-6	SG-902	SW-1	SW-2
66	08/10	2.0	1.2	1.3	NT	2.1	0.8	1.0	1.6	0.7	1.1	NT	Well Not Installed						1.4	NT		3.0	2.6
67	11/10	0.5	1.0	1.3	NT	0.8	0.6	0.8	1.2	1.5	0.6	NT							1.3	NT		5.6	5.4
68	08/11	1.3	1.0	1.3	NT	1.1	0.8	NT	NT	NT	1.1	NT	1.5						1.1	NT		5.0	4.4
69	11-12/11	2.5	1.2	2.0	NT	1.2	0.9	0.8	2.1	1.6	0.7	NT	NT	Well Not Installed	Well Not Installed				NT	NT		8.7	7.1
70	06/12	1.3	1.3	1.3	NT	1.6	1.0	1.2	2.6	1.1	1.7	NT	NT						1.8	NT	Staff Gauge	6.0	4.6
71	08/12	1.6	0.7	1.3	NT	1.1	0.6	2.0	1.2	0.7	0.6	NT	NT			Well Not Installed	Well Not Installed	Well Not Installed	1.4	NT	Not Installed	4.3	2.7
72	11/12	1.0	0.8	1.6	NT	1.9	2.1	1.9	1.7	1.4	1.3	NT	NT						1.8	NT		7.1	5.2
73	08/13	0.9	0.6	1.6	NT	0.9	0.6	1.0	1.9	0.5	0.8	NT	NT						1.1	NT		3.7	3.8
74	11/13	1.6	1.7	1.6	NT	1.3	0.8	1.4	1.7	1.4	0.9	NT	NT						2.0	NT		7.5	8.4
75	06/14	1.4	0.8	1.0	2.0	1.3	1.1	0.8	3.7	1.0	0.8	0.9	2.3	1.0	1.1				1.4	6.4		4.9	4.3
76	08/14	1.1	1.0	0.8	7.3	1.0	0.8	1.0	1.4	1.3	0.8	NT	NT	NT	NT				1.4	1.3	NT	5.3	3.9
77	11/14	1.3	1.5	1.7	5.1	1.3	1.6	1.2	1.3	1.1	0.9	1.8	1.1	1.2	1.2	4.7	4.9	5.6	1.9	2.7	NT	6.7	6.6
78	06/15	0.6	0.8	0.8	NT	0.6	0.6	0.8	2.4	1.2	0.5	NT	0.9	NT	NT	5.3	2.3	1.5	0.9	NT	NT	3.6	3.4
79	08/15	1.0	1.0	1.3	NT	1.4	1.1	1.5	1.5	1.9	0.8	NT	NT	NT	NT	NT	NT	NT	1.6	NT	NT	3.8	4.2
80	11/15	1.0	1.3	1.8	11.5	1.4	0.9	2.8	1.4	3.1	2.3	1.8	5.1	1.5	1.9	6.3	6.0	4.7	2.9	4.1	8.3	9.0	8.6
81	06/16	NT	NT	NT	NT	NT	NT	0.9	1.2	0.8	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
82	11/16	1.5	1.3	1.5	2.9	1.3	1.3	1.5	2.8	1.5	1.3	2.2	4.1	1.6	1.7	6.8	6.2	1.8	1.6	2.6	5.2	3.1	1.6

NOTE: Please refer to last page for table notes.

TABLE 1A
WATER QUALITY SUMMARY TABLE - UPPER UNIT
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Oxidation Reduction Potential (ORP)**																				
Round	Sample	NH AGQS/GW-2 = NA																				
Number	Date	GZ-2	GZ-3A	GZ-9U	GZ-10U	GZ-403U	GZ-404U	GZ-405U	GZ-607U	GZ-609U	GZ-612U	GZ-701U	GZ-802US	GZ-901U	GZ-902U	GZ-903U	GZ-904U	GZ-905U	MW-1S	MW-6	SG-902	SW-1	SW-2
66	08/10	+2	-62	+56	NT	+56	+71	-19	+130	+73	-16	NT	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	-45	NT	Staff Gauge Not Installed	+160	+111
67	11/10	+3	-70	+66	NT	+40	-6	-37	+134	+137	-63	NT							+68	NT		+117	+31
68	08/11	+7	-76	+70	NT	+46	+43	-30	+92	+56	+17	NT	+54						+90	NT		+65	+52
69	11-12/11	+90	-12	+58	NT	+35	+33	+7	+40	+15	-35	NT	NT						NT	NT		+125	+121
70	06/12	-40	-45	-15	NT	+280	-55	+15	+85	Out of Range	-35	NT	NT						+30	NT		-10	+115
71	08/12	-32	-43	-23	NT	+52	-59	+25	+75	+47	-72	NT	NT						-19	NT		+143	+68
72	11/12	-59	-67	+161	NT	+152	-59	-5	+170	+96	-31	NT	NT						-8	NT		+49	+115
73	08/13	-33	-51	-22	NT	+85	-87	+3	+152	+5	-45	NT	NT						+15	NT		+33	+94
74	11/13	-46	-71	+25	NT	+114	-61	-10	+158	-8	-60	NT	NT						+97	NT		+95	+107
75	06/14	+15	-57	+19	-61	+120	-77	-16	+86	+1	-34	+40	+15	+54	+29				+24	+119		+75	+83
76	08/14	-48	-63	+27	-10	+46	-85	-53	+98	+1	-57	NT	NT	NT	NT				+26	+110	NT	+37	+41
77	11/14	-40	-41	+14	+2	+38	-67	+7	+59	-15	-34	+15	+79	+84	+19	+55	+59	+33	+25	+92	NT	+47	+54
78	06/15	+40	-25	-10	NT	+85	-60	+5	+110	+45	-45	NT	-5	NT	NT	+195	+185	+195	+75	NT	NT	+80	+55
79	08/15	-1	-70	-22	NT	-30	-62	+11	+38	-47	-48	NT	NT	NT	NT	NT	NT	NT	+52	NT	NT	-22	-7
80	11/15	-24	-37	+29	+11	+125	-78	+58	+170	+11	-28	NT	+27	+83	-36	+140	+166	+33	+37	+134	-11	+53	+40
81	06/16	NT	NT	NT	NT	NT	NT	-12	+138	+104	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
82	11/16	-12	-68	+128	+36	+82	-38	-2	+26	+32	+2	+39	+26	+43	-40	+107	+89	+82	+59	-63	+2	-74	+80

NOTE: Please refer to last page for table notes.

Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Notes:

1. Sample Rounds were performed by GZA GeoEnvironmental, Inc. (GZA). Please refer to the analytical laboratory reports for additional information.
2. Concentration is in micrograms per liter (µg/L), which is equivalent to parts per billion (ppb). Oxidation-reduction potential (ORP) is in millivolts (mV).
3. "<" indicates that the respective parameter was not detected above the associated analytical laboratory Reporting Limit (RL). "ND" indicates that the respective parameter was not detected above the RL, but that the RL is not readily available.
4. "OR" indicates that the respective parameter was out of range of the meter.
5. This table considers only those parameters that were analyzed for and detected. Please refer to current and past analytical laboratory reports for the complete list of analytes.
6. This table does not contain data from sampling events prior to 2010 or from wells that are not currently included on the Groundwater Management Permit (No. GWP198405033-S-005). Refer to the attached historic analytical table for analytical data prior to 2010 and additional tables for supplemental sampling locations, if any.
7. "AGQS" refers to NHDES Ambient Groundwater Quality Standards included in Env-Or 603.03. "WQCTS" indicates Water Quality Criteria for Toxic Substances included in Env-Wq 1703.21. The more stringent of the two regulations (AGQS or WQCTS) was used for surface water samples. "GW-2" refers to the Groundwater to Indoor Air Screening Levels included in Table 1 – Vapor intrusion Screening Levels of the Vapor Intrusion Guidance. "NA" indicates that the respective standard has not yet been established.
8. Values in **bold** were detected above the laboratory reporting limit; shading indicates exceedances of standards, or that the concentration was at the respective standard; italics indicates exceedances of GW-2 screening standards.
9. "NT" indicates respective parameter was not tested during the respective sample round.
10. "E" indicates laboratory estimated value reported above the quantitation limit.
11. Dissolved oxygen and ORP analyses were performed in the field using parameter-specific electrodes.
12. Monitoring wells MW-1S through MW-8 were installed by Jacques Whitford Company, Inc. between January 14, 2002 and January 16, 2002.
13. During the August 2012 sample round, carbon tetrachloride (2.2 µg/L) was detected at well GZ-405U.
14. During the August 2013 sampling round, chloromethane was detected at wells GZ-403U (2 µg/L) and GZ-404U (2 µg/L).
15. Styrene was detected in wells GZ-405U (1 µg/L) and GZ-607U (2 µg/L).
16. During the June 2016 sampling round, 1,1,1,2-tetrachloroethane (2 µg/L), 4-isopropyltolune (2 µg/L), carbon tetrachloride (**20** µg/L), isopropylbenzene (4 µg/L), n-Butylbenzene (3µg/L), sec-Butylbenzene (2 µg/L), and styrene (1 µg/L) were detected in well GZ-405U. 1,1,1,2-tetrachloroethane (7 µg/L), 1,1,2-trichloroethane (**10** µg/L), Carbon tetrachloride (**30** µg/L), isopropylbenzene (2 µg/L), and styrene (2 µg/L) were detected in well GZ-607U. Isopropylbenzene (5 µg/L), n-Butylbenzene (2 µg/L), and sec-Butylbenzene (3 µg/L) were detected in well GZ-802-US.
17. During the November 2016 sampling round, isopropylbenzene (1 µg/L) was detected in well GZ-3A. 1,1,1,2-tetrachloroethane (10 µg/L), 1,1,2-trichloroethane (**30** µg/L), carbon tetrachloride (**40** µg/L), isopropylbenzene (2 µg/L), styrene (2 µg/L), and total trihalomethanes (0.01 mg/L) were detected in well GZ-607U. 1,1,2-trichloroethane (1 µg/L) was detected in well GZ-609U.

TABLE 1B
WATER QUALITY SUMMARY TABLE - LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Tetrachloroethene**																	
Round Number	Sample Date	NH AGQS = 5 µg/L GW-2 = 240 µg/L																	
		GZ-2L	GZ-3L	GZ-3B	GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-301	GZ-303	GZ-403L	GZ-405L	GZ-505L	GZ-609L	GZ-701L	GZ-901L	GZ-902M	GZ-902L	GZ-905L	MW-1D
66	08/10	<2	<2	<2	<20	NT	<10	<2	<2	<25	NT	<10	<5,000	<10	NT	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	<20
67	11/10	<2	<2	NT	<50	NT	<10	<2	<2	NT	NT	<2	<5,000	**30**	NT					<20
68	08/11	<5	<25	NT	<25	NT	<10	<1	<1	NT	NT	<10	<5,000	<25	NT					<1
69	11-12/11	<1	<25	<1	<25	NT	<25	<1	<1	<1	NT	<50 / <100	<5,000	**70**	NT					NT
70	06/12	<25	<5	NT	<50	NT	<10	<2.5	<1	<1	NT	<25	<2,000	**74**	NT					<25
71	08/12	<1	<1	NT	**5.4**	NT	**1.8**	<1	<1	NT	NT	**2.4**	***452***	**47.8**	NT					<1
72	11/12	<1	<1	<1	<100	NT	<100	<1	<1	<1	NT	<1	<1,000	**19.3**	NT					<1
73	08/13	<1	<1	NT	**5.0**	NT	**3.0**	<1	<1	<1	NT	<1	***300***	**20**	NT					<1
74	11/13	<10	<1	<1	<100	NT	<10	<1	<1	NT	NT	<1	**225**	<100	NT					<1
75	06/14	<1	<1	NT	<100	<1	<100	<1	<1	<1	NT	<1	**100**	**70**	<1	**1.0**	<100	<1		<1
76	08/14	<1	<1	NT	**6.0**	<1	**3.0**	<1	<1	<1	NT	<1	**100**	**40**	NT	NT	NT	NT		<1
77	11/14	<1	<1	<1	<100	<1	**3.0**	<1	<1	<1	NT	<100	<100	**60**	<1	<1	<1	<1	<1	<1
78	06/15	<1	<1	NT	<100	NT	**5.0**	<1	<1	NT	NT	<50	<100	**90**	NT	NT	NT	NT	NT	<10
79	08/15	<1	<1	NT	<100	NT	<100	<1	<1	NT	NT	<100	<100	<100	NT	NT	NT	NT	NT	<10
80	11/15	<1	<1	<1	**7.3**	<1	**5.0**	<1	<1	<1	<1	<1	**46**	**13.2**	<1	**1.1**	<1	<1	<1	<1
81	06/16	<1	<1	NT	NT	<1	**5.0**	NT	NT	<1	NT	<1	**20**	**6.0**	NT	NT	NT	NT	<1	NT
82	11/16	<1	<1	<1	**6.0**	<1	**5.0**	<1	<1	<1	<1	<1	**30**	**9.0**	<1	<1	<1	<1	<1	<1

NOTE: Please refer to last page for table notes.

TABLE 1B
WATER QUALITY SUMMARY TABLE - LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Trichloroethene**																	
Round Number	Sample Date	NH AGQS = 5 µg/L GW-2 = 20 µg/L																	
		GZ-2L	GZ-3L	GZ-3B	GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-301	GZ-303	GZ-403L	GZ-405L	GZ-505L	GZ-609L	GZ-701L	GZ-901L	GZ-902M	GZ-902L	GZ-905L	MW-1D
66	08/10	<2	<2	<2	***1,600***	NT	***920***	***200***	**3**	***74***	NT	***170***	***840,000***	***330***	NT	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	<20
67	11/10	<2	<2	NT	***1,700***	NT	***1,400***	***230***	**16**	NT	NT	**6**	***1,200,000***	***4,100***	NT					<20
68	08/11	<5	**2.8**	NT	***1,500***	NT	***900***	***140***	**2.9**	NT	NT	<10	***820,000***	***1,900***	NT					<1
69	11-12/11	<1	<25	<1	***1,400***	NT	***320***	***70***	**3.2**	***56***	NT	***1,200/ 3,400***	***750,000***	***5,100***	NT					NT
70	06/12	<25	<5	NT	***1,700***	NT	***612***	***154***	<1	***29.8***	NT	***214***	***133,000***	***3,470***	NT					<2.5
71	08/12	<1	**2.4**	NT	***646***	NT	***774***	***123***	**1.4**	NT	NT	***227***	***109,000***	***2,270***	NT					<1
72	11/12	<1	<1	<1	***643***	NT	***631***	***73***	**11.4**	***139***	NT	**7.7**	***62,200***	***598***	NT					<1
73	08/13	<1	**3**	NT	***1,400***	NT	***1,000***	***200***	**1**	***60***	NT	<1	***43,200***	***800***	NT					<1
74	11/13	<10	<1	<1	***794***	NT	***890***	***52.8***	**10.5**	NT	NT	**1.2**	***52,400***	***2,060***	NT					<1
75	06/14	**3**	<1	NT	***1,100***	<1	***600***	***60***	<1	***60***	NT	**4**	***19,000***	***6,300***	<1	***500***	***600***	<1		<1
76	08/14	<1	<1	NT	***1,200***	<1	***1,000***	***70***	**8.0**	***70***	NT	***30***	***17,500***	***1,600***	NT	NT	NT	NT		<1
77	11/14	**10**	**4.0**	<1	***700***	<1	***1,100***	***50***	***20***	***100***	NT	***700***	***8,500***	***1,000***	<1	***500***	***300***	<1	<1	<1
78	06/15	**2**	<1	NT	***1,200***	NT	***1,200***	***50***	**6.0**	NT	NT	***50***	***11,800***	***1,900***	NT	NT	NT	NT	NT	<10
79	08/15	<1	<1	NT	***1,200***	NT	***1,600***	***40***	**7.0**	NT	NT	***300***	***12,400***	***200***	NT	NT	NT	NT	NT	**1.0**
80	11/15	<1	<1	<1	***H 1,040***	<1	***1,560***	***37.8***	**15.9**	***128***	<1	**7.8**	***14,900***	***126***	<1	***613***	***98.7***	<1	<1	**3.4**
81	06/16	<1	<1	NT	NT	<1	***1,300***	NT	NT	***50***	NT	**2.0**	***4,300***	***70***	NT	NT	NT	NT	**2.0**	NT
82	11/16	<1	<1	<1	***700***	<1	***1,300***	***20***	**9.0**	***100***	<1	**3.0**	***4,900***	***20***	<1	***400***	***70***	<1	**1.0**	<1

NOTE: Please refer to last page for table notes.

TABLE 1B
WATER QUALITY SUMMARY TABLE - LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
NHDES #198405033

Contaminant:		**1,1,1-Trichloroethane**																	
Round Number	Sample Date	NH AGQS = 200 µg/L GW-2 = 27,000 µg/L																	
		GZ-2L	GZ-3L	GZ-3B	GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-301	GZ-303	GZ-403L	GZ-405L	GZ-505L	GZ-609L	GZ-701L	GZ-901L	GZ-902M	GZ-902L	GZ-905L	MW-1D
66	08/10	<2	**4**	<2	**100**	NT	**20**	**11**	<2	<25	NT	**50**	***57,000***	**100**	NT	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	<20
67	11/10	<2	<2	NT	**130**	NT	**30**	**10**	<2	NT	NT	**11**	***100,000***	**660**	NT					<20
68	08/11	<5	**13**	NT	**130**	NT	**32**	**6.4**	<1	NT	NT	**42**	***84,000***	**460**	NT					<1
69	11-12/11	**2**	<25	<1	**110**	NT	**11**	**8.8**	**1.8**	**2.1**	NT	**650 / 2,800**	***71,000***	**630**	NT					NT
70	06/12	<25	**8.0**	NT	**138**	NT	**17.8**	**5.4**	<1	<1	NT	**44**	**11,600**	**498**	NT					<2.5
71	08/12	<1	**20.3**	NT	**56**	NT	**35.7**	**8.9**	<1	NT	NT	**53.1**	**9,430**	**160**	NT					<1
72	11/12	<1	**2.4**	<1	**110**	NT	<100	**2.2**	<1	**5.0**	NT	**2.5**	**4,510**	**87.2**	NT					<1
73	08/13	**1**	**30**	NT	**200**	NT	**80**	**2.0**	<1	**2.0**	NT	<1	**6,000**	**100**	NT					<1
74	11/13	<10	**3.3**	<1	**158**	NT	**84.9**	**1.4**	<1	NT	NT	**10**	**6,310**	**108**	NT					<1
75	06/14	**3**	**3**	NT	**200**	<1	<100	**9.0**	<1	**2.0**	NT	**80**	**2,300**	**200**	<1	<1	<100	<1		<1
76	08/14	<1	**4**	NT	**200**	<1	**70**	<1	<1	**2.0**	NT	**50**	**2,300**	**90**	NT	NT	NT	NT		<1
77	11/14	**1**	**4**	<1	**200**	<1	**70**	<1	<1	**4.0**	NT	**700**	**1,100**	**50**	<1	<1	**1.0**	<1	<1	<1
78	06/15	**3**	**4**	NT	**200**	NT	**80**	<1	**1.0**	NT	NT	**200**	**1,300**	**100**	NT	NT	NT	NT	NT	<10
79	08/15	<1	<1	NT	**300**	NT	**100**	<1	<1	NT	NT	**300**	**1,500**	**100**	NT	NT	NT	NT	NT	<10
80	11/15	<1	**3.2**	<1	**H 318**	<1	**115**	<1	<1	**7.9**	<1	**258**	**1,750**	**60.8**	<1	**1.3**	<1	<1	<1	<1
81	06/16	<1	**2**	NT	NT	<1	**90**	NT	NT	**2.0**	NT	**40**	**800**	**100**	NT	NT	NT	NT	<1	NT
82	11/16	<1	**2**	<1	**200**	<1	**100**	<1	<1	**6.0**	<1	**30**	**1,000**	**40**	<1	<1	<1	<1	<1	<1

NOTE: Please refer to last page for table notes.

TABLE 1B
WATER QUALITY SUMMARY TABLE - LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
NHDES #198405033

Contaminant:		**cis-1,2-Dichloroethene**																	
Round Number	Sample Date	NH AGQS = 70 µg/L GW-2 = NA																	
		GZ-2L	GZ-3L	GZ-3B	GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-301	GZ-303	GZ-403L	GZ-405L	GZ-505L	GZ-609L	GZ-701L	GZ-901L	GZ-902M	GZ-902L	GZ-905L	MW-1D
66	08/10	**120**	**20**	<2	**2,900**	NT	**800**	**310**	**10**	**21**	NT	**910**	<5,000	**1,600**	NT					**1,900**
67	11/10	**15**	<2	NT	**4,600**	NT	**1,200**	**240**	**29**	NT	NT	**390**	<5,000	**3,800**	NT					**970**
68	08/11	**540**	**300**	NT	**3,300**	NT	**1,000**	**150**	**7.3**	NT	NT	**1,500**	**5,600**	**3,500**	NT					**55**
69	11-12/11	**110**	**42**	<1.0	**2,800**	NT	**310**	**180**	**72**	**26**	NT	**7,400/26,000**	<5,000	**3,300**	NT					NT
70	06/12	**170**	**57.5**	NT	**3,740**	NT	**731**	**182**	**7.1**	**14.2**	NT	**1,420**	**8,720**	**4,010**	NT	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	**144**
71	08/12	**57.4**	**255**	NT	**2,200**	NT	**1,160**	**210**	**7.3**	NT	NT	**782**	**7,130**	**2,600**	NT					**36**
72	11/12	**24.1**	<1.0	<1.0	**8,140**	NT	**957**	**80.9**	**17**	**102**	NT	**61**	**5,730**	**698**	NT					**2.3**
73	08/13	**1,800**	**700**	NT	**6,800**	NT	**2,500**	**100**	**6.0**	**40**	NT	**60**	**21,500**	**1,100**	NT					**10**
74	11/13	**635**	<1	<1	**9,940**	NT	**2,410**	**65.6**	**13.8**	NT	NT	**300**	**12,800**	**713**	NT					<1
75	06/14	**800**	**80**	NT	**9,200**	<1	**1,800**	**200**	**3.0**	**70**	NT	**1,500**	**9,200**	**1,200**	<1	**400**	**1,400**	<1		**100**
76	08/14	**600**	**30**	NT	**9,300**	<1	**3,300**	**40**	**3.0**	**80**	NT	**900**	**12,600**	**600**	NT	NT	NT	NT		**100**
77	11/14	**1,000**	**30**	<1	**8,800**	<1	**3,100**	**30**	**4.0**	**200**	NT	**9,500**	**8,100**	**400**	<1	**500**	**700**	<1	<1	**2.0**
78	06/15	**900**	**60**	NT	**8,400**	NT	**3,600**	**30**	**20**	NT	NT	**2,400**	**6,700**	**1,600**	NT	NT	NT	NT	NT	**400**
79	08/15	**200**	<1	NT	**10,300**	NT	**5,300**	**20**	**10**	NT	NT	**7,800**	**11,300**	**2,300**	NT	NT	NT	NT	NT	**600**
80	11/15	**38.9**	**15.6**	<1	**H 10,400**	<1	**4,860**	**11.6**	**7.2**	**274**	<1	**7,590**	**11,600**	**709**	<1	**342**	**247**	<1	<1	**593**
81	06/16	**90**	**20**	NT	NT	<1	**4,900**	NT	NT	**100**	NT	**1,000**	**10,000**	**2,800**	NT	NT	NT	NT	**1.0**	NT
82	11/16	**20**	**9.0**	<1	**8,900**	<1	**4,900**	**5.0**	**2.0**	**300**	**1.0**	**500**	**8,000**	**900**	<1	**300**	**200**	<1	<1	**400**

NOTE: Please refer to last page for table notes.

TABLE 1B
WATER QUALITY SUMMARY TABLE - LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
NHDES #198405033

Contaminant:		**trans-1,2-Dichloroethene**																	
Round Number	Sample Date	NH AGQS = 100 µg/L GW-2 = 560 µg/L																	
		GZ-2L	GZ-3L	GZ-3B	GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-301	GZ-303	GZ-403L	GZ-405L	GZ-505L	GZ-609L	GZ-701L	GZ-901L	GZ-902M	GZ-902L	GZ-905L	MW-1D
66	08/10	<2	<2	<2	**30**	NT	<10	**4.0**	<2	<1.0	NT	<10	<5,000	<10	NT	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	<20
67	11/10	<2	<2	NT	<50	NT	<10	**3.0**	<2	NT	NT	<2	<5,000	<20	NT					<20
68	08/11	<5.0	**3.8**	NT	<25	NT	<10	**1.8**	<1.0	NT	NT	<10	<5,000	<25	NT					<1.0
69	11-12/11	<1.0	**4.0**	<1.0	<25	NT	<2.5	**2.5**	**1.1**	<1.0	NT	<50/**180**	<5,000	<50	NT					NT
70	06/12	<2.5	<5.0	NT	<50	NT	<10	**2.5**	<1.0	<1.0	NT	<25	<2,000	<50	NT					<2.5
71	08/12	<1.0	**3.1**	NT	**31.6**	NT	**6.0**	**2.4**	<1.0	NT	NT	**9.9**	<100	**6.5**	NT					<1.0
72	11/12	<1.0	**1.1**	<1.0	<100	NT	<100	**1.0**	<1.0	<1.0	NT	<1.0	<1,000	<10	NT					<1.0
73	08/13	**6.0**	**5.0**	NT	**80**	NT	**10**	**2.0**	<1	<1	NT	<1	<100	**4.0**	NT					<1
74	11/13	<10	**1.8**	<1	<100	NT	**11.6**	<1	<1	NT	NT	**3.3**	<100	<100	NT					<1
75	06/14	<1	**3.0**	NT	<100	<1	<100	**2**	<1	<1	NT	**20**	<100	**10**	<1	**2.0**	<100	<1		<1
76	08/14	**1.0**	**2.0**	NT	**100**	<1	**20**	<1	<1	<1	NT	**20**	<100	**3.0**	NT	NT	NT	NT		<1
77	11/14	**10**	**1.0**	<1	<100	<1	**10**	<1	<1	<1	NT	<100	<100	**2.0**	<1	**2.0**	**3.0**	<1	<1	<1
78	06/15	**2.0**	**2.0**	NT	<100	NT	**10**	<1	<1	NT	NT	<50	<100	**7.0**	NT	NT	NT	NT	NT	<10
79	08/15	<1	<1	NT	<100	NT	<100	<1	<1	NT	NT	<50	<100	<100	NT	NT	NT	NT	NT	**1.0**
80	11/15	<1	**1.1**	<1	**E 316**	<1	**17.1**	<1	<1	**1.6**	<1	**E 223**	**E 528**	**3.4**	<1	**1.7**	**1.1**	<1	<1	**1.1**
81	06/16	<1	**1.0**	NT	NT	<1	**20**	NT	NT	<1	NT	**20**	**E 200**	**10**	NT	NT	NT	NT	<1	NT
82	11/16	<1	<1	<1	**50**	<1	**70**	<1	<1	**1.0**	<1	**8.0**	**30**	**6.0**	<1	**1.0**	<1	<1	<1	<1

NOTE: Please refer to last page for table notes.

TABLE 1B
WATER QUALITY SUMMARY TABLE - LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
NHDES #198405033

Contaminant:		**1,2-Dichloroethane**																	
Round Number	Sample Date	NH AGQS = 5 µg/L GW-2 = 50 µg/L																	
		GZ-2L	GZ-3L	GZ-3B	GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-301	GZ-303	GZ-403L	GZ-405L	GZ-505L	GZ-609L	GZ-701L	GZ-901L	GZ-902M	GZ-902L	GZ-905L	MW-1D
66	08/10	<2	<2	<2	<20	NT	<10	<2	<2	<25	NT	<10	<5,000	<10	NT	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	<20
67	11/10	<2	<2	NT	<50	NT	<10	<2	<2	NT	NT	<2	<5,000	<20	NT					<20
68	08/11	<5	<25	NT	<25	NT	<10	<1	<1	NT	NT	<10	<5,000	<25	NT					**2.5**
69	11-12/11	<1	<25	<1	<25	NT	<25	<1	<1	<1	NT	<50 / <100	<5,000	<50	NT					NT
70	06/12	<25	<5	NT	<50	NT	<10	<2.5	<1	<1	NT	<25	<2,000	<50	NT					<25
71	08/12	<1	<1	NT	<1	NT	<1	<1	<1	NT	NT	<1	<100	<1	NT					**1.6**
72	11/12	<1	<1	<1	<100	NT	<100	<1	<1	<1	NT	<1	<1,000	<10	NT					**1.6**
73	08/13	<1	<1	NT	**1.0**	NT	<1	<1	<1	<1	NT	<1	<100	<1	NT					**2.0**
74	11/13	<10	<1	<1	<100	NT	<10	<1	<1	NT	NT	<1	<100	<100	NT					**1.6**
75	06/14	<1	<1	NT	<100	<1	<100	<1	<1	<1	NT	<1	<100	<1	<1	<1	<100	<1		**1.0**
76	08/14	<1	<1	NT	<1	<1	<1	<1	<1	<1	NT	<1	<100	<1	NT	NT	NT	NT		**1.0**
77	11/14	**1.0**	<1	<1	<100	<1	<1	<1	<1	<1	NT	<100	<100	<1	<1	<1	<1	<1	<1	**1.0**
78	06/15	<1	<1	NT	<100	NT	<1	<1	<1	NT	NT	<50	<100	<1	NT	NT	NT	NT	NT	<10
79	08/15	<1	<1	NT	<100	NT	<1	<1	<1	NT	NT	<100	<100	<1	NT	NT	NT	NT	NT	**2.0**
80	11/15	<1	<1	<1	**1.6**	<1	**1.2**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	**1.2**
81	06/16	<1	<1	NT	NT	<1	<1	NT	NT	<1	NT	<1	<1	<1	NT	NT	NT	NT	<1	NT
82	11/16	<1	<1	<1	**1.0**	<1	**1.0**	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1

NOTE: Please refer to last page for table notes.

TABLE 1B
WATER QUALITY SUMMARY TABLE - LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
NHDES #198405033

Contaminant:		**1,1-Dichloroethene**																	
Round Number	Sample Date	NH AGQS = 7 µg/L GW-2 = 630 µg/L																	
		GZ-2L	GZ-3L	GZ-3B	GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-301	GZ-303	GZ-403L	GZ-405L	GZ-505L	GZ-609L	GZ-701L	GZ-901L	GZ-902M	GZ-902L	GZ-905L	MW-1D
66	08/10	<1	<1	<1	**20**	NT	<10	**3.0**	<1	<2.5	NT	<10	<5,000	<10	NT	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	<20
67	11/10	<1	<1	NT	<50	NT	**10**	**2.0**	<1	NT	NT	<2	<5,000	**20**	NT					<20
68	08/11	<5	<2.5	NT	**29**	NT	**12**	**2.0**	<1	NT	NT	<10	<5,000	<25	NT					<1
69	11-12/11	**4.3**	<2.5	<1	**29**	NT	**4.1**	**1.8**	<1	<1	NT	<50 / <100	<5,000	<50	NT					NT
70	06/12	<2.5	<5	NT	<50	NT	<10	<2.5	<1	<1	NT	<25	<2,000	<50	NT					<2.5
71	08/12	<1	**1.1**	NT	**34**	NT	**12.1**	**1.7**	<1	NT	NT	**4.4**	**322**	**19.7**	NT					<1
72	11/12	<1	<1	<1	<100	NT	<100	<1	<1	**1.6**	NT	<1	<1,000	<10	NT					<1
73	08/13	**8.0**	<1	NT	**40**	NT	**20**	**2.0**	<1	<1	NT	<1	**100**	**7**	NT					<1
74	11/13	<10	<1	<1	<100	NT	**21.5**	<1	<1	NT	NT	<1	**106**	<100	NT					<1
75	06/14	**4.0**	<1	NT	<100	<1	<100	**1.0**	<1	<1	NT	**2.0**	<100	**10**	<1	**6.0**	<100	<1		<1
76	08/14	**2.0**	<1	NT	**50**	<1	**20**	<1	<1	<1	NT	**2.0**	<100	**6**	NT	NT	NT	NT		<1
77	11/14	**2.0**	<1	<1	<100	<1	**20**	<1	<1	**1.0**	NT	<100	<100	**4**	<1	**5.0**	**6.0**	<1	<1	<1
78	06/15	**5.0**	<1	NT	<100	NT	**30**	<1	<1	NT	NT	<50	**100**	**20**	NT	NT	NT	NT	NT	<10
79	08/15	**1.0**	<1	NT	<100	NT	<100	<1	<1	NT	NT	<100	<100	<100	NT	NT	NT	NT	NT	**2.0**
80	11/15	<1	<1	<1	**58.4**	<1	**27.5**	<1	<1	**2.0**	<1	**8.8**	**32.2**	**3.0**	<1	**4.8**	**2.1**	<1	<1	**2.0**
81	06/16	<1	<1	NT	NT	<1	**30**	NT	NT	<1	NT	<1	**40**	**10**	NT	NT	NT	NT	<1	NT
82	11/16	<1	<1	<1	**60.2**	<1	**30**	<1	<1	**2.0**	<1	<1	**30**	**5.0**	<1	**3.0**	**1.0**	<1	<1	**1.0**

NOTE: Please refer to last page for table notes.

TABLE 1B
WATER QUALITY SUMMARY TABLE - LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
NHDES #198405033

Contaminant:		**1,1-Dichloroethane**																	
Round Number	Sample Date	NH AGQS = 81 µg/L GW-2 = 130 µg/L																	
		GZ-2L	GZ-3L	GZ-3B	GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-301	GZ-303	GZ-403L	GZ-405L	GZ-505L	GZ-609L	GZ-701L	GZ-901L	GZ-902M	GZ-902L	GZ-905L	MW-1D
66	08/10	**54**	**19**	**5.0**	**50**	NT	<10	**19**	<2	<2.5	NT	**20**	<5,000	<10	NT	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	***220***
67	11/10	**34**	**39**	NT	**80**	NT	**10**	**10**	**2.0**	NT	NT	**10**	<5,000	<20	NT					***310***
68	08/11	**39**	**27**	NT	**61**	NT	**20**	**8.2**	**1.8**	NT	NT	**87**	<5,000	<25	NT					***130***
69	11-12/11	<1	**51**	**3.7**	**50**	NT	**7.7**	**11**	**5.0**	<1	NT	***150 / 110***	<5,000	<50	NT					NT
70	06/12	**26.6**	**26.9**	NT	**66**	NT	**18.4**	**9.4**	<1	<1	NT	***240***	<2,000	<50	NT					***132***
71	08/12	**13.6**	**14.4**	NT	**72.7**	NT	**26.8**	**9.7**	<1	NT	NT	**86**	<100	**5.1**	NT					**115**
72	11/12	**12.6**	**11.9**	**3.2**	***154***	NT	<100	**3.8**	**1.4**	**2.8**	NT	**18.1**	<1,000	<10	NT					**69.5**
73	08/13	**80**	**20**	NT	**100**	NT	**50**	**7.0**	<1	**2.0**	NT	**7.0**	<100	**3.0**	NT					**100**
74	11/13	**36.3**	**10.1**	**3.1**	***183***	NT	**53.2**	**3.8**	<1	NT	NT	**24.4**	<100	<100	NT					**81.4**
75	06/14	**50**	**20**	NT	**100**	<1	<100	**6.0**	<1	**2.0**	NT	***200***	<100	**4.0**	<1	**5.0**	<100	<1		**80**
76	08/14	**30**	**9.0**	NT	**100**	<1	**60**	**2.0**	<1	**2.0**	NT	***200***	<100	**3.0**	NT	NT	NT	NT		**90**
77	11/14	**100**	**10**	**3.0**	**100**	<1	**50**	**1.0**	<1	**4.0**	NT	***300***	<100	**2.0**	<1	**4.0**	**10**	<1	<1	**40**
78	06/15	**70**	**10**	NT	**100**	NT	**50**	**1.0**	<1	NT	NT	**100**	<100	**10**	NT	NT	NT	NT	NT	**100**
79	08/15	**20**	<100	NT	***200***	NT	<100	<1	<1	NT	NT	***400***	<100	**10**	NT	NT	NT	NT	NT	***200***
80	11/15	**14.6**	**9.2**	**3.0**	***224***	<1	**61.4**	<1	<1	**6.6**	<1	***574***	**43.8**	**6.3**	<1	**4.6**	**4.0**	<1	<1	**100**
81	06/16	**10**	**7**	NT	NT	<1	**70**	NT	NT	**2.0**	NT	***300***	**80**	**40**	NT	NT	NT	NT	<1	NT
82	11/16	**10**	**6.0**	**2.0**	***200***	<1	**70**	<1	<1	**5.0**	<1	**50**	**80**	**20**	<1	**3.0**	**2.0**	<1	<1	**80**

NOTE: Please refer to last page for table notes.

TABLE 1B
WATER QUALITY SUMMARY TABLE - LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Methylene Chloride**																	
Round Number	Sample Date	NH AGQS = 5 µg/L GW-2 = 24,000 µg/L																	
		GZ-2L	GZ-3L	GZ-3B	GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-301	GZ-303	GZ-403L	GZ-405L	GZ-505L	GZ-609L	GZ-701L	GZ-901L	GZ-902M	GZ-902L	GZ-905L	MW-1D
66	08/10	<5	<5	<5	<100	NT	<50	<10	<5	<5	NT	<50	<30,000	<50	NT	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	<100
67	11/10	<5	<5	NT	<300	NT	<50	<5	<5	NT	NT	<10	<30,000	<100	NT					<100
68	08/11	<100	<5	NT	<50	NT	<20	<2	<2	NT	NT	<20	<10,000	<50	NT					**2.4**
69	11-12/11	<2	<5	<2	<50	NT	<5	<2	<2	<2	NT	<100 / <200	<10,000	<100	NT					NT
70	06/12	<5	<10	NT	<100	NT	<20	<5	<2	<2	NT	<50	<4,000	<100	NT					<5
71	08/12	<4	<4	NT	<4	NT	<4	<4	<4	NT	NT	<4	<400	<4	NT					<4
72	11/12	<4	<4	<4	<400	NT	<400	<4	<4	<4	NT	<4	<4,000	<40	NT					<4
73	08/13	<4	<4	NT	<4	NT	<4	<4	<4	<4	NT	<4	<400	<4	NT					<4
74	11/13	<40	<4	<4	<400	NT	<40	<4	<4	NT	NT	<4	<400	<400	NT					<4
75	06/14	<4	<4	NT	<400	<4	<400	<4	<4	<4	NT	<4	<400	<4	<4	<4	<400	<4		<4
76	08/14	<4	<4	NT	<4	<4	<4	<4	<4	<4	NT	<4	<400	<4	NT	NT	NT	NT		<4
77	11/14	<4	<4	<4	<400	<4	<4	<4	<4	<4	NT	<400	<400	<4	<4	<4	<4	<4	<4	<4
78	06/15	<4	<4	NT	<400	NT	<4	<4	<4	NT	NT	<200	<400	<4	NT	NT	NT	NT	NT	<20
79	08/15	<4	<4	NT	<400	NT	<4	<4	<4	NT	NT	<400	<400	<4	NT	NT	NT	NT	NT	<20
80	11/15	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
81	06/16	<4	<4	NT	NT	<4	<4	NT	NT	<4	NT	<4	<4	<4	NT	NT	NT	NT	<4	NT
82	11/16	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<40	<4	<4	<4	<4	<4	<4	<4

NOTE: Please refer to last page for table notes.

TABLE 1B
WATER QUALITY SUMMARY TABLE - LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Chloroethane**																	
Round Number	Sample Date	NH AGQS/GW-2 = NA																	
		GZ-2L	GZ-3L	GZ-3B	GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-301	GZ-303	GZ-403L	GZ-405L	GZ-505L	GZ-609L	GZ-701L	GZ-901L	GZ-902M	GZ-902L	GZ-905L	MW-1D
66	08/10	**110**	<5	**6.0**	<100	NT	<50	<10	<5	<2.5	NT	<50	<30,000	<50	NT	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	**400**
67	11/10	**71**	**9.0**	NT	<300	NT	<50	<5	<5	NT	NT	<10	<30,000	<100	NT					**500**
68	08/11	**41**	<2.5	NT	**30**	NT	<10	<1	<1	NT	NT	<10	<5,000	<25	NT					**250**
69	11-12/11	**2.0**	**24**	**2.0**	<25	NT	<2.5	<1	<1	<1	NT	<50 / <100	<5,000	<50	NT					NT
70	06/12	**13.8**	**12.7**	NT	<50	NT	<10	<2.5	<1	<1	NT	<25	<2,000	<50	NT					**289**
71	08/12	**10.4**	**4.2**	NT	**13.7**	NT	**4.0**	<2	<2	NT	NT	<2	<200	<2	NT					**256**
72	11/12	**14**	<2	<2	<200	NT	<200	<2	<2	<2	NT	<2	<2,000	<20	NT					**203**
73	08/13	**30**	**8.0**	NT	**30**	NT	**7.0**	<2	<2	<2	NT	<2	<200	<2	NT					**200**
74	11/13	**22.5**	<2	**2.9**	<200	NT	<20	<2	<2	NT	NT	**5.6**	<200	<200	NT					**245**
75	06/14	**10**	**10**	NT	<200	<2	<200	<2	<2	<2	NT	**5.0**	<200	<2	<2	<2	<200	<2		<200
76	08/14	**10**	<2	NT	**40**	<2	**7.0**	<2	<2	<2	NT	<2	<200	<2	NT	NT	NT	NT		**200**
77	11/14	**80**	<2	**4.0**	<200	<2	**8.0**	<2	<2	<2	NT	<200	<200	<2	<2	<2	**2.0**	<2	<2	**200**
78	06/15	**20**	**7.0**	NT	<200	NT	<2	<2	<2	NT	NT	<100	<200	<2	NT	NT	NT	NT	NT	**100**
79	08/15	**10**	<2	NT	<200	NT	<2	<2	<2	NT	NT	<100	<200	<2	NT	NT	NT	NT	NT	**300**
80	11/15	**9.9**	<2	**2.7**	**54.9**	<2	**8.9**	<2	<2	<2	<2	**7.2**	<2	<2	<2	<2	<2	<2	<2	**97.4**
81	06/16	**6.0**	**8.0**	NT	NT	<2	**10**	NT	NT	<2	NT	**8.0**	<2	<2	NT	NT	NT	NT	<2	NT
82	11/16	**8.0**	<2	<2	**60**	<2	**10.3**	<2	<2	<2	<2	**4.0**	<20	<2	<2	<2	<2	<2	<2	**60**

NOTE: Please refer to last page for table notes.

TABLE 1B
WATER QUALITY SUMMARY TABLE - LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Chloroform (Trichloromethane)**																	
Round Number	Sample Date	NH AGQS = 70 µg/L GW-2 = 70 µg/L																	
		GZ-2L	GZ-3L	GZ-3B	GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-301	GZ-303	GZ-403L	GZ-405L	GZ-505L	GZ-609L	GZ-701L	GZ-901L	GZ-902M	GZ-902L	GZ-905L	MW-1D
66	08/10	<2	<2	<2	<20	NT	<10	<2	<2	<2.5	NT	<10	<5,000	<10	NT	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	<20
67	11/10	<2	<2	NT	<50	NT	<10	<2	<2	NT	NT	<2	<5,000	<20	NT					<20
68	08/11	<5	<2.5	NT	<25	NT	<10	<1	<1	NT	NT	<10	<5,000	<25	NT					<1
69	11-12/11	<1	<2.5	<1	<25	NT	<2.5	<1	<1	<1	NT	<50 / <100	<5,000	<50	NT					NT
70	06/12	<2.5	<5	NT	<50	NT	<10	<2.5	<1	<1	NT	<25	<2,000	<50	NT					<2.5
71	08/12	<1	<1	NT	<1	NT	<1	<1	<1	NT	NT	<1	<100	<1	NT					<1
72	11/12	<1	<1	<1	<100	NT	<100	<1	<1	<1	NT	<1	<1,000	<10	NT					<1
73	08/13	<1	<1	NT	<1	NT	<1	<1	<1	<1	NT	<1	<100	<1	NT					<1
74	11/13	<10	<1	<1	<100	NT	<10	<1	<1	NT	NT	<1	<100	<100	NT					<1
75	06/14	<1	<1	NT	<100	<1	<100	<1	<1	<1	NT	<1	<100	<1	<1	<1	<100	<1		<1
76	08/14	<1	<1	NT	<1	<1	<1	<1	<1	<1	NT	<1	<100	<1	NT	NT	NT	NT		<1
77	11/14	<1	<1	<1	<100	<1	<1	<1	<1	<1	NT	<100	<100	<1	<1	<1	<1	<1	<1	<1
78	06/15	<1	<1	NT	<100	NT	<1	<1	<1	NT	NT	<50	<100	<1	NT	NT	NT	NT	NT	<10
79	08/15	<1	<1	NT	<100	NT	<1	<1	<1	NT	NT	<100	<100	<1	NT	NT	NT	NT	NT	<10
80	11/15	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	**1.3**	<1	<1	<1	<1	<1	<1	<1
81	06/16	<1	<1	NT	NT	<1	<1	NT	NT	<1	NT	<1	<1	<1	NT	NT	NT	NT	<1	NT
82	11/16	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1

NOTE: Please refer to last page for table notes.

TABLE 1B
WATER QUALITY SUMMARY TABLE - LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Vinyl Chloride**																	
Round Number	Sample Date	NH AGQS = 2 µg/L GW-2 = 4 µg/L																	
		GZ-2L	GZ-3L	GZ-3B	GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-301	GZ-303	GZ-403L	GZ-405L	GZ-505L	GZ-609L	GZ-701L	GZ-901L	GZ-902M	GZ-902L	GZ-905L	MW-1D
66	08/10	***220***	***62***	<2	***280***	NT	<200	***110***	<2	<2.5	NT	<20	<10,000	<20	NT	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	***1,800***
67	11/10	***19***	***4.0***	NT	***700***	NT	***30***	***25***	<2	NT	NT	***9.0***	<10,000	<40	NT					***1,100***
68	08/11	***550***	***260***	NT	***280***	NT	***35***	***14***	<1	NT	NT	***78***	<5,000	***26***	NT					***62***
69	11-12/11	***58***	***170***	<1	***250***	NT	***14***	***28***	<1	<1	NT	***79 / <100***	<5,000	<50	NT					NT
70	06/12	***200***	***112***	NT	***311***	NT	***22.9***	***20.3***	<1	<1	NT	***1,320***	<2,000	<50	NT					***278***
71	08/12	***76***	***208***	NT	***154***	NT	***39***	***14.6***	<1	NT	NT	***312***	***116***	***18.4***	NT					***69.2***
72	11/12	***32***	***5.1***	<1	<100	NT	<100	**3.1**	<1	***5.1***	NT	***43.4***	<1,000	***22.5***	NT					**3.0**
73	08/13	***1,300***	***400***	NT	***700***	NT	***100***	***9.0***	<1	**2.0**	NT	***40***	***200***	***10***	NT					***30***
74	11/13	***467***	**3.5**	<1	***1,400***	NT	***112***	**3.6**	<1	NT	NT	***136***	***152***	<100	NT					**1.2**
75	06/14	***400***	***200***	NT	***600***	<1	<100	***8.0***	<1	**2.0**	NT	***800***	***100***	***7.0***	<1	***5.0***	<100	<1		***200***
76	08/14	***400***	***60***	NT	***800***	<1	***90***	**2.0**	<1	***4.0***	NT	***400***	***200***	***7.0***	NT	NT	NT	NT		***200***
77	11/14	***1,100***	***30***	<1	***900***	<1	***90***	<1	<1	***7.0***	NT	***800***	***100***	***20***	<1	***7.0***	***9.0***	<1	<1	<1
78	06/15	***900***	***80***	NT	***900***	NT	***80***	<1	<1	NT	NT	<50	***100***	<1	NT	NT	NT	NT	NT	***500***
79	08/15	***100***	<100	NT	***900***	NT	***100***	<1	<1	NT	NT	***700***	<100	<1	NT	NT	NT	NT	NT	***1,000***
80	11/15	***31.5***	***21.4***	<1	***H 1,710***	<1	***131***	<1	<1	***8.7***	**1.4**	***953***	***151***	***9.9***		***6.6***	**3.0**	<1	<1	***839***
81	06/16	***100***	***60***	NT	NT	<1	***200***	NT	NT	**3.0**	NT	***300***	***400***	***10***	NT	NT	NT	NT	<1	NT
82	11/16	***10***	***10***	<1	***1,300***	<1	***100***	<1	<1	***5.0***	**1.0**	***70***	***400***	***50***	<1	***4.0***	**2.0**	<1	<1	***700***

NOTE: Please refer to last page for table notes.

TABLE 1B
WATER QUALITY SUMMARY TABLE - LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
NHDES #198405033

Contaminant:		**1,4-Dioxane**																	
Round Number	Sample Date	NH AGQS = 3 µg/L GW-2 = NA																	
		GZ-2L	GZ-3L	GZ-3B	GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-301	GZ-303	GZ-403L	GZ-405L	GZ-505L	GZ-609L	GZ-701L	GZ-901L	GZ-902M	GZ-902L	GZ-905L	MW-1D
66	08/10	**4**	<1	**2**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	NT
67	11/10	NT	<1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT					NT
68	08/11	NT	<3	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT					NT
69	11-12/11	NT	**1.4**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT					NT
70	06/12	NT	<3	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT					NT
71	08/12	NT	**0.43**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT					NT
72	11/12	NT	<0.25	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT					NT
73	08/13	NT	<0.25	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT					NT
74	11/13	NT	<0.25	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT					NT
75	06/14	NT	**0.41**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		NT
76	08/14	NT	**0.4**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		NT
77	11/14	NT	**0.6**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
78	06/15	NT	**1.6**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
79	08/15	NT	**0.35**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
80	11/15	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
81	06/16	**2.5**	<0.25	**1.2**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
82	11/16	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 1B
WATER QUALITY SUMMARY TABLE - LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Benzene**																	
Round Number	Sample Date	NH AGQS = 5 µg/L GW-2 = 2,900 µg/L																	
		GZ-2L	GZ-3L	GZ-3B	GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-301	GZ-303	GZ-403L	GZ-405L	GZ-505L	GZ-609L	GZ-701L	GZ-901L	GZ-902M	GZ-902L	GZ-905L	MW-1D
66	08/10	**4.0**	<1	<1	<20	NT	<10	<2	<1	<2.5	NT	<10	<5,000	<10	NT	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	<20
67	11/10	**3.0**	<1	NT	<50	NT	<10	<1	<1	NT	NT	<2	<5,000	<20	NT					<20
68	08/11	<5	<2.5	NT	<25	NT	<10	<1	<1	NT	NT	<10	<5,000	<25	NT					**12**
69	11-12/11	<1	<2.5	<1	<25	NT	<2.5	<1	<1	<1	NT	<50 / <100	<5,000	<50	NT					NT
70	06/12	<2.5	<5	NT	<50	NT	<10	<2.5	<1	<1	NT	<25	<2,000	<50	NT					**11.2**
71	08/12	<1	<1	NT	**3.4**	NT	**1.2**	<1	<1	NT	NT	<1	<100	<1	NT					**10.4**
72	11/12	**1.0**	<1	<1	<100	NT	<100	<1	<1	<1	NT	<1	<1,000	<10	NT					**7.9**
73	08/13	**3.0**	<1	NT	**5.0**	NT	**2.0**	<1	<1	<1	NT	<1	<100	<1	NT					**10**
74	11/13	<10	<1	<1	<100	NT	<10	<1	<1	NT	NT	<1	<100	<100	NT					**10.5**
75	06/14	**2.0**	<1	NT	<100	<1	<100	<1	<1	<1	NT	**1.0**	<100	<1	<1	<1	<100	<1		**9.0**
76	08/14	**1.0**	<1	NT	**6.0**	<1	**2.0**	<1	<1	<1	NT	<1	<100	<1	NT	NT	NT	NT		**10**
77	11/14	**7.0**	<1	<1	<100	<1	**2.0**	<1	<1	<1	NT	<100	<100	<1	<1	<1	<1	<1	<1	**7.0**
78	06/15	**3.0**	<1	NT	<100	NT	**2.0**	<1	<1	NT	NT	<50	<100	<1	NT	NT	NT	NT	NT	<10
79	08/15	<1	<1	NT	<100	NT	<1	<1	<1	NT	NT	<100	<100	<1	NT	NT	NT	NT	NT	**10**
80	11/15	<1	<1	<1	**7.4**	<1	**2.6**	<1	<1	<1	<1	**2.5**	**9.5**	<1	<1	<1	<1	<1	<1	**6.7**
81	06/16	<1	<1	NT	NT	<1	**3.0**	NT	NT	<1	NT	<1	**8.0**	<1	NT	NT	NT	NT	<1	**NT**
82	11/16	<1	<1	<1	**7.0**	<1	**4.0**	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	**4.0**

NOTE: Please refer to last page for table notes.

TABLE 1B
WATER QUALITY SUMMARY TABLE - LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Toluene**																	
Round Number	Sample Date	NH AGQS = 1,000 µg/L GW-2 = 50,000 µg/L																	
		GZ-2L	GZ-3L	GZ-3B	GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-301	GZ-303	GZ-403L	GZ-405L	GZ-505L	GZ-609L	GZ-701L	GZ-901L	GZ-902M	GZ-902L	GZ-905L	MW-1D
66	08/10	**73**	**2.0**	<1	<20	NT	<10	<2	<1	<2.5	NT	**210**	**11,000**	**10**	NT	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	**250**
67	11/10	**26**	**1.0**	NT	<50	NT	<10	<1	<1	NT	NT	**400**	**16,000**	**110**	NT					**420**
68	08/11	**31**	**3.6**	NT	<25	NT	<10	<1	<1	NT	NT	**70**	**11,000**	**94**	NT					**180**
69	11-12/11	**2.8**	**19**	<1	<25	NT	<2.5	<1	<1	<1	NT	**290 / 810**	**11,000**	**170**	NT					NT
70	06/12	<2.5	**11.9**	NT	<50	NT	<10	<2.5	<1	<1	NT	**120**	**3,420**	**148**	NT					**202**
71	08/12	**1.2**	**3.0**	NT	<1	NT	<1	<1	<1	NT	NT	**99.5**	**3,370**	**99.5**	NT					**216**
72	11/12	**1.4**	<1	<1	<100	NT	<100	<1	<1	<1	NT	**13.4**	**1,630**	**22.7**	NT					**121**
73	08/13	**40**	**4.0**	NT	<1	NT	<1	<1	<1	<1	NT	**10**	**2,600**	**20**	NT					**200**
74	11/13	<10	<1	<1	<100	NT	<10	<1	<1	NT	NT	**38.6**	**2,360**	<100	NT					**123**
75	06/14	**3.0**	**3.0**	NT	<100	<1	<100	<1	<1	<1	NT	**100**	**1,000**	**90**	<1	<1	<100	<1		**100**
76	08/14	**4.0**	<1	NT	<1	<1	<1	<1	<1	<1	NT	<100	**900**	**40**	NT	NT	NT	NT		**90**
77	11/14	**70**	<1	<1	<100	<1	<1	<1	<1	<1	NT	**300**	**500**	**30**	<1	<1	<1	<1	<1	**40**
78	06/15	**5.0**	**1.0**	NT	<100	NT	<1	<1	<1	NT	NT	<50	**500**	**70**	NT	NT	NT	NT	NT	**100**
79	08/15	<1	<1	NT	<100	NT	<1	<1	<1	NT	NT	**100**	**600**	**50**	NT	NT	NT	NT	NT	**100**
80	11/15	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	**80.8**	**456**	**13.8**	<1	<1	<1	<1	<1	**85.2**
81	06/16	<1	<1	NT	NT	<1	<1	NT	NT	<1	NT	**30**	**300**	**70**	NT	NT	NT	NT	<1	NT
82	11/16	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	**30**	**400**	**30**	<1	<1	<1	<1	<1	**20**

NOTE: Please refer to last page for table notes.

TABLE 1B
WATER QUALITY SUMMARY TABLE - LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Ethylbenzene**																	
Round Number	Sample Date	NH AGQS = 700 µg/L GW-2 = 1,500 µg/L																	
		GZ-2L	GZ-3L	GZ-3B	GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-301	GZ-303	GZ-403L	GZ-405L	GZ-505L	GZ-609L	GZ-701L	GZ-901L	GZ-902M	GZ-902L	GZ-905L	MW-1D
66	08/10	**15**	**4.0**	<1	<20	NT	<10	<2	<1	<2.5	NT	**10**	<5,000	<10	NT	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	**40**
67	11/10	**8.0**	**3.0**	NT	<50	NT	<10	<1	<1	NT	NT	**9.0**	<5,000	**30**	NT					**70**
68	08/11	<5	**4.8**	NT	<25	NT	<10	<1	<1	NT	NT	**31**	<5,000	**39**	NT					**37**
69	11-12/11	<1	**28**	<1	<25	NT	<2.5	<1	<1	<1	NT	**71 / 130**	<5,000	**68**	NT					NT
70	06/12	<2.5	**15.7**	NT	<50	NT	<10	<2.5	<1	<1	NT	**48.5**	<2,000	**73**	NT					**50.6**
71	08/12	<1	**11.6**	NT	<1	NT	<1	<1	<1	NT	NT	**37.9**	**553**	**72**	NT					**46.6**
72	11/12	<1	**4.0**	<1	<100	NT	<100	<1	<1	<1	NT	**6.8**	<1,000	**16.4**	NT					**40.3**
73	08/13	**4.0**	**10**	NT	<1	NT	<1	<1	<1	<1	NT	**9.0**	**600**	**10**	NT					**50**
74	11/13	<10	**2.3**	<1	<100	NT	<10	<1	<1	NT	NT	**12.9**	**460**	<100	NT					**42.3**
75	06/14	<1	**9.0**	NT	<100	<1	<100	<1	<1	<1	NT	**70**	**300**	**30**	<1	<1	<100	<1		**40**
76	08/14	<1	**5.0**	NT	<1	<1	<1	<1	<1	<1	NT	**60**	**300**	**20**	NT	NT	NT	NT		**40**
77	11/14	**20**	**3.0**	<1	<100	<1	<1	<1	<1	<1	NT	<100	**200**	**20**	<1	<1	<1	<1	<1	**30**
78	06/15	<1	**7.0**	NT	<100	NT	<1	<1	<1	NT	NT	<50	**100**	**30**	NT	NT	NT	NT	NT	**40**
79	08/15	<1	<1	NT	<100	NT	<1	<1	<1	NT	NT	<100	**200**	**10**	NT	NT	NT	NT	NT	**60**
80	11/15	<1	**1.7**	<1	<1	<1	<1	<1	<1	<1	<1	**115**	**105**	**7.4**	<1	<1	<1	<1	<1	**39.6**
81	06/16	<1	**6.0**	NT	NT	<1	<1	NT	NT	<1	NT	**50**	**80**	**20**	NT	NT	NT	NT	<1	NT
82	11/16	<1	**1.0**	<1	<1	<1	<1	<1	<1	<1	<1	**20**	**90**	**10**	<1	<1	<1	<1	<1	**20.8**

NOTE: Please refer to last page for table notes.

TABLE 1B
WATER QUALITY SUMMARY TABLE - LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Total Xylenes**																	
Round Number	Sample Date	NH AGQS = 10,000 µg/L GW-2 = 17,000 µg/L																	
		GZ-2L	GZ-3L	GZ-3B	GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-301	GZ-303	GZ-403L	GZ-405L	GZ-505L	GZ-609L	GZ-701L	GZ-901L	GZ-902M	GZ-902L	GZ-905L	MW-1D
66	08/10	**57**	**4.0**	<1	<20	NT	<10	<2	<1	<3.75	NT	**60**	<5,000	**30**	NT	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	**180**
67	11/10	**27**	**2.0**	NT	<50	NT	<10	<1	<1	NT	NT	**55**	<5,000	**160**	NT					**300**
68	08/11	**21.2**	**5.3**	NT	<37.5	NT	<15	<1.5	<1.5	NT	NT	**188**	<7,500	**148**	NT					**144**
69	11-12/11	<1.5	**35**	<1.5	<37.5	NT	<38	<1.5	<1.5	<1.5	NT	**385 / 750**	<7,500	**310**	NT					NT
70	06/12	**4.1**	**21.9**	NT	<150	NT	<30	<7.5	<3	<3	NT	**284.2**	<6,000	**390.5**	NT					**182**
71	08/12	**1.6**	**14.7**	NT	**1.4**	NT	<1	<1	<1	NT	NT	**141**	**3,240**	**245**	NT					**161**
72	11/12	**1.3**	**3.0**	<1	<0.1	NT	<100	<1	<1	<1	NT	**43.8**	<1,000	**90.5**	NT					**132**
73	08/13	**10**	**10**	NT	<3	NT	<3	<3	<3	<3	NT	**60**	**3,700**	**90**	NT					**200**
74	11/13	<20	<2	<2	<200	NT	<20	<2	<2	NT	NT	**90**	**3,000**	<200	NT					**100**
75	06/14	**4.0**	**10**	NT	<300	<3	<300	<3	<3	<3	NT	**300**	**1,800**	**200**	<3	<3	<300	<3		**100**
76	08/14	<3	<3	NT	<3	<3	<3	<3	<3	<3	NT	**300**	**1,700**	**100**	NT	NT	NT	NT		**100**
77	11/14	**60**	<3	<3	<300	<3	<3	<3	<3	<3	NT	**400**	**1,100**	**200**	<3	<3	<3	<3	<3	**100**
78	06/15	**5.0**	**7.0**	NT	<300	NT	<3	<3	<3	NT	NT	**200**	**700**	**300**	NT	NT	NT	NT	NT	**100**
79	08/15	<3	<3	NT	<300	NT	<3	<3	<3	NT	NT	**400**	**1,000**	**100**	NT	NT	NT	NT	NT	**200**
80	11/15	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	**727**	**663**	**67.7**	<2	<2	<2	<2	<2	**81.6**
81	06/16	<3	**5.0**	NT	NT	<3	<3	NT	NT	<3	NT	**200**	**500**	**100**	NT	NT	NT	NT	<3	NT
82	11/16	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	**100**	**500**	**80**	<3	<3	<3	<3	<3	**20**

NOTE: Please refer to last page for table notes.

TABLE 1B
WATER QUALITY SUMMARY TABLE - LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Methyl-Tert-Butyl-Ether (MTBE)**																	
Round Number	Sample Date	NH AGQS = 13 µg/L GW-2 = 2,600 µg/L																	
		GZ-2L	GZ-3L	GZ-3B	GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-301	GZ-303	GZ-403L	GZ-405L	GZ-505L	GZ-609L	GZ-701L	GZ-901L	GZ-902M	GZ-902L	GZ-905L	MW-1D
66	08/10	**13**	**440**	<5	ND	NT	ND	ND	ND	ND	NT	<10	<5,000	<10	NT	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	ND
67	11/10	**23**	**480**	NT	ND	NT	ND	ND	ND	NT	NT	<5	<5,000	<20	NT					ND
68	08/11	**5.0**	**310**	NT	ND	NT	ND	ND	ND	NT	NT	<10	<5,000	<25	NT					**15**
69	11-12/11	<1	**290**	<1	ND	NT	ND	ND	ND	ND	NT	<50 / **100**	<5,000	<50	NT					NT
70	06/12	<2.5	**235**	NT	ND	NT	ND	ND	ND	ND	NT	<25	<2,000	<50	NT					ND
71	08/12	**16.6**	**259**	NT	ND	NT	ND	ND	ND	NT	NT	<1	<100	<1	NT					**3.1**
72	11/12	**58.1**	**152**	<1	ND	NT	ND	ND	ND	ND	NT	<1	<1,000	<10	NT					**5**
73	08/13	**5.0**	**200**	NT	ND	NT	ND	ND	ND	ND	NT	<1	<100	<1	NT					**20**
74	11/13	**24.9**	**279**	**1.1**	ND	NT	ND	ND	ND	NT	NT	<1	<100	<100	NT					ND
75	06/14	**1.0**	**100**	NT	ND	ND	ND	ND	ND	ND	NT	<1	<100	<1	**300**	ND	ND	ND		ND
76	08/14	**30**	**100**	NT	ND	ND	ND	ND	ND	ND	NT	<1	<100	<1	NT	NT	NT	NT		**10**
77	11/14	<1	**200**	**2.0**	ND	ND	ND	ND	ND	ND	NT	<100	<100	<1	**400**	ND	ND	ND	ND	**9**
78	06/15	**6.0**	**100**	NT	ND	NT	ND	ND	ND	NT	NT	<50	<100	<1	NT	NT	NT	NT	NT	**20**
79	08/15	**20**	**100**	NT	<1	NT	<1	<1	<1	NT	NT	<100	<100	<1	NT	NT	NT	NT	NT	**10**
80	11/15	**59.9**	**224**	**3.2**	<1	<1	<1	<1	<1	<1	**32.4**	<1	<1	<1	**532**	<1	<1	<1	<1	**14.3**
81	06/16	**10**	**200**	NT	NT	<1	<1	NT	NT	<1	NT	<1	<1	<1	NT	NT	NT	NT	<1	NT
82	11/16	**70**	**200**	**3.0**	<1	<1	<1	<1	<1	<1	**20**	<1	<10	<1	**300**	<1	<1	<1	<1	**10**

NOTE: Please refer to last page for table notes.

TABLE 1B
WATER QUALITY SUMMARY TABLE - LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
NHDES #198405033

Contaminant:		**tert-Amyl methyl ether (TAME)**																	
Round Number	Sample Date	NH AGQS = 140 µg/L GW-2 = NA																	
		GZ-2L	GZ-3L	GZ-3B	GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-301	GZ-303	GZ-403L	GZ-405L	GZ-505L	GZ-609L	GZ-701L	GZ-901L	GZ-902M	GZ-902L	GZ-905L	MW-1D
66	08/10	<5	**7.0**	<5	ND	NT	ND	ND	ND	ND	NT	<50	<30,000	<50	NT	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	ND
67	11/10	<5	**5.0**	NT	ND	NT	ND	ND	ND	NT	NT	<10	<30,000	<100	NT					ND
68	08/11	<10	<5	NT	ND	NT	ND	ND	ND	NT	NT	<20	<10,000	<50	NT					ND
69	11-12/11	<2	**5.2**	<2	ND	NT	ND	ND	ND	ND	NT	<100 / 200	<10,000	<100	NT					NT
70	06/12	<5	<10	NT	ND	NT	ND	ND	ND	ND	NT	<50	<4,000	<100	NT					ND
71	08/12	<1	**2.8**	NT	ND	NT	ND	ND	ND	NT	NT	<1	<100	<1	NT					ND
72	11/12	<1	**2.3**	<1	ND	NT	ND	ND	ND	ND	NT	<1	<1,000	<10	NT					ND
73	08/13	<1	**2.0**	NT	ND	NT	ND	ND	ND	ND	NT	<1	<100	<1	NT					ND
74	11/13	<10	**3.5**	<1	ND	NT	ND	ND	ND	NT	NT	<1	<100	<100	NT					ND
75	06/14	<1	**2.0**	NT	ND	ND	ND	ND	ND	ND	NT	<1	<100	<1	**9.0**	ND	ND	ND		ND
76	08/14	<1	**3.0**	NT	ND	ND	ND	ND	ND	ND	NT	<1	<100	<1	NT	NT	NT	NT		ND
77	11/14	<1	**4.0**	<1	ND	ND	ND	ND	ND	ND	NT	<100	<100	<1	**9.0**	ND	ND	ND	ND	ND
78	06/15	<1	**3.0**	NT	ND	NT	ND	ND	ND	NT	NT	<50	<100	<1	NT	NT	NT	NT	NT	ND
79	08/15	<1	<1	NT	<1	NT	<1	<1	<1	NT	NT	<1	<100	<1	NT	NT	NT	NT	NT	<1
80	11/15	<1	**3.9**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	**11.1**	<1	<1	<1	<1	<1
81	06/16	<1	**4.0**	NT	NT	<1	<1	NT	NT	**4.0**	NT	<1	<1	<1	NT	NT	NT	NT	<1	NT
82	11/16	**1.0**	**5.0**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	**10.3**	<1	<1	<1	<1	<1

NOTE: Please refer to last page for table notes.

TABLE 1B
WATER QUALITY SUMMARY TABLE - LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Tert-butyl alcohol (TBA)**																	
Round Number	Sample Date	NH AGQS = 40 µg/L GW-2 = NA																	
		GZ-2L	GZ-3L	GZ-3B	GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-301	GZ-303	GZ-403L	GZ-405L	GZ-505L	GZ-609L	GZ-701L	GZ-901L	GZ-902M	GZ-902L	GZ-905L	MW-1D
66	08/10	<30	<30	<30	ND	NT	ND	ND	ND	ND	NT	<300	<200,000	<300	NT	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	ND
67	11/10	<30	<30	NT	ND	NT	ND	ND	ND	NT	NT	<60	<200,000	<600	NT					ND
68	08/11	<130	**120**	NT	ND	NT	ND	ND	ND	NT	NT	<250	<130,000	<630	NT					ND
69	11-12/11	<25	<63	**73**	ND	NT	ND	ND	ND	ND	NT	<1,300 / <2,500	<130,000	<1,300	NT					NT
70	06/12	<62.5	**159**	NT	ND	NT	ND	ND	ND	ND	NT	<625	<50	<1,250	NT					ND
71	08/12	<25	<25	NT	ND	NT	ND	ND	ND	NT	NT	<25	<2,500	<25	NT					ND
72	11/12	<25	<25	<25	ND	NT	ND	ND	ND	ND	NT	<25	<25	<25	NT					ND
73	08/13	<20	**50**	NT	ND	NT	ND	ND	ND	ND	NT	<20	**2,500**	<20	NT					ND
74	11/13	<250	<25	<25	ND	NT	ND	ND	ND	NT	NT	<25	<2,500	<2,500	NT					ND
75	06/14	<20	<20	NT	ND	ND	ND	ND	ND	ND	NT	<20	<2,500	<20	**80**	ND	ND	ND		ND
76	08/14	<20	<20	NT	ND	ND	ND	ND	ND	ND	NT	<20	<2,500	<20	NT	NT	NT	NT		ND
77	11/14	<20	<20	<20	ND	ND	ND	ND	ND	ND	NT	<2,500	<2,500	<20	**200**	ND	ND	ND	ND	ND
78	06/15	<20	<20	NT	ND	NT	ND	ND	ND	NT	NT	<1,200	<2,500	<20	NT	NT	NT	NT	NT	ND
79	08/15	<20	<250	NT	<20	NT	<20	<20	<20	NT	NT	<20	<2,500	<20	NT	NT	NT	NT	NT	<20
80	11/15	<25	**38.9**	<25	<25	<25	<25	<25	<25	<25	**201**	<25	<25	<25	**138**	<25	<25	<25	<25	<25
81	06/16	<20	<20	NT	NT	<20	<20	NT	<20	NT	NT	<20	<20	<20	NT	NT	NT	NT	<20	NT
82	11/16	<20	<20	<20	<20	<20	<20	<20	<20	<20	**200**	<20	<200	<20	**50.6**	<20	<20	<20	<20	<20

NOTE: Please refer to last page for table notes.

TABLE 1B
WATER QUALITY SUMMARY TABLE - LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Isopropylbenzene**																	
Round Number	Sample Date	NH AGQS = 800 µg/L GW-2 = N/A																	
		GZ-2L	GZ-3L	GZ-3B	GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-301	GZ-303	GZ-403L	GZ-405L	GZ-505L	GZ-609L	GZ-701L	GZ-901L	GZ-902M	GZ-902L	GZ-905L	MW-1D
66	08/10	ND	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND	ND	ND	NT	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	ND
67	11/10	ND	ND	NT	ND	NT	ND	ND	ND	NT	NT	ND	ND	ND	NT					ND
68	08/11	ND	ND	NT	ND	NT	ND	ND	ND	NT	NT	ND	ND	ND	NT					**1.2**
69	11-12/11	ND	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND	ND	ND	NT					NT
70	06/12	ND	ND	NT	ND	NT	ND	ND	ND	ND	NT	ND	ND	ND	NT					ND
71	08/12	ND	ND	NT	ND	NT	ND	ND	ND	NT	NT	ND	ND	ND	NT					**1.0**
72	11/12	ND	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND	ND	ND	NT					ND
73	08/13	ND	ND	NT	ND	NT	ND	ND	ND	ND	NT	ND	ND	ND	NT					**1.0**
74	11/13	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	ND	ND	ND	NT					**1.0**
75	06/14	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	**1.0**	ND	**1.0**	ND	ND	ND	ND		ND
76	08/14	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	**1.0**	ND	ND	NT	NT	NT	NT		ND
77	11/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
78	06/15	ND	ND	NT	ND	NT	ND	ND	ND	NT	NT	ND	ND	**1.0**	NT	NT	NT	NT	NT	ND
79	08/15	ND	ND	NT	ND	NT	ND	ND	ND	NT	NT	ND	ND	ND	NT	NT	NT	NT	NT	ND
80	11/15	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	**3.0**	**5.2**	<1	<1	<1	<1	<1	<1	<1
81	06/16	<1	<1	NT	NT	<1	<1	NT	NT	<1	NT	**1.0**	**4.0**	<1	NT	NT	NT	NT	<1	NT
82	11/16	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1

Contaminant:		**n-propylbenzene**																	
Round Number	Sample Date	NH AGQS = 260 µg/L GW-2 = N/A																	
		GZ-2L	GZ-3L	GZ-3B	GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-301	GZ-303	GZ-403L	GZ-405L	GZ-505L	GZ-609L	GZ-701L	GZ-901L	GZ-902M	GZ-902L	GZ-905L	MW-1D
66	08/10	ND	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND	ND	ND	NT	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	ND
67	11/10	ND	ND	NT	ND	NT	ND	ND	ND	ND	NT	ND	ND	ND	NT					ND
68	08/11	ND	ND	NT	ND	NT	ND	ND	ND	NT	NT	ND	ND	ND	NT					**1.6**
69	11-12/11	ND	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND	ND	ND	NT					NT
70	06/12	ND	ND	NT	ND	NT	ND	ND	ND	ND	NT	ND	ND	ND	NT					ND
71	08/12	ND	ND	NT	ND	NT	ND	ND	ND	NT	NT	**2.4**	ND	**1.7**	NT					**1.5**
72	11/12	ND	ND	ND	ND	NT	ND	ND	ND	ND	NT	**1.0**	ND	ND	NT					**1.4**
73	08/13	ND	ND	NT	ND	NT	ND	ND	ND	ND	NT	**1.0**	ND	ND	NT					**2.0**
74	11/13	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	ND	ND	ND	NT					**1.4**
75	06/14	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	**2.0**	ND	**2.0**	ND	ND	ND	ND		**1.0**
76	08/14	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	**3.0**	ND	ND	NT	NT	NT	NT		**2.0**
77	11/14	**1.0**	ND	**60**	ND	ND	ND	ND	ND	ND	NT	ND	ND	**1.0**	ND	ND	ND	ND	ND	**1.0**
78	06/15	ND	ND	NT	ND	NT	ND	ND	ND	NT	NT	ND	ND	**2.0**	NT	NT	NT	NT	NT	ND
79	08/15	ND	ND	NT	ND	NT	ND	ND	ND	NT	NT	ND	ND	ND	NT	NT	NT	NT	NT	**1.0**
80	11/15	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	**6.8**	**13.5**	<1	<1	<1	<1	<1	<1	<1
81	06/16	<1	<1	NT	NT	<1	<1	NT	NT	<1	NT	**2.0**	**9.0**	<1	NT	NT	NT	NT	<1	NT
82	11/16	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	**2.0**	<10	<1	<1	<1	<1	<1	<1	<1

NOTE: Please refer to last page for table notes.

TABLE 1B
WATER QUALITY SUMMARY TABLE - LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
NHDES #198405033

Contaminant:		**1,2,4-trimethylbenzene**																	
Round Number	Sample Date	NH AGQS = 330 µg/L GW-2 = 1,300 µg/L																	
		GZ-2L	GZ-3L	GZ-3B	GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-301	GZ-303	GZ-403L	GZ-405L	GZ-505L	GZ-609L	GZ-701L	GZ-901L	GZ-902M	GZ-902L	GZ-905L	MW-1D
66	08/10	**3.0**	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND	ND	ND	NT	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	ND
67	11/10	**2.0**	ND	NT	ND	NT	ND	ND	ND	NT	NT	**3.0**	ND	ND	NT					ND
68	08/11	ND	ND	NT	ND	NT	ND	ND	ND	NT	NT	**10**	ND	ND	NT					**7.4**
69	11-12/11	ND	**2.8**	ND	ND	NT	ND	ND	ND	ND	NT	ND	ND	ND	NT					NT
70	06/12	ND	ND	NT	ND	NT	ND	ND	ND	ND	NT	ND	ND	ND	NT					**9.0**
71	08/12	ND	**2.3**	NT	ND	NT	ND	ND	ND	NT	NT	**10.1**	ND	**7.3**	NT					**7.1**
72	11/12	ND	ND	ND	ND	NT	ND	ND	ND	ND	NT	**4.2**	ND	ND	NT					**5.8**
73	08/13	ND	ND	NT	ND	NT	ND	ND	ND	ND	NT	**4.0**	ND	**3.0**	NT					**7.0**
74	11/13	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	**3.3**	ND	ND	NT					**6.2**
75	06/14	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	**10**	ND	**6.0**	ND	ND	ND	ND		**6.0**
76	08/14	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	**10**	ND	**4.0**	NT	NT	NT	NT		**8.0**
77	11/14	**6.0**	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	**5.0**	ND	ND	ND	ND	ND	**5.0**
78	06/15	ND	ND	NT	ND	NT	ND	ND	ND	NT	NT	ND	ND	**9.0**	NT	NT	NT	NT	NT	ND
79	08/15	ND	ND	NT	ND	NT	ND	ND	ND	NT	NT	ND	ND	ND	NT	NT	NT	NT	NT	**5.0**
80	11/15	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	**39.1**	**67.5**	**1.9**	<1	<1	<1	<1	<1	**4.2**
81	06/16	<1	<1	NT	NT	<1	<1	NT	NT	<1	NT	**9.0**	**40**	**4.0**	NT	NT	NT	NT	<1	NT
82	11/16	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	**6.0**	**40**	**3.0**	<1	<1	<1	<1	<1	**3.0**

Contaminant:		**1,3,5-trimethylbenzene**																	
Round Number	Sample Date	NH AGQS = 330 µg/L GW-2 =N/A																	
		GZ-2L	GZ-3L	GZ-3B	GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-301	GZ-303	GZ-403L	GZ-405L	GZ-505L	GZ-609L	GZ-701L	GZ-901L	GZ-902M	GZ-902L	GZ-905L	MW-1D
66	08/10	ND	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND	ND	ND	NT	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	ND
67	11/10	ND	ND	NT	ND	NT	ND	ND	ND	NT	NT	ND	ND	ND	NT					ND
68	08/11	ND	ND	NT	ND	NT	ND	ND	ND	NT	NT	ND	ND	ND	NT					**2.2**
69	11-12/11	ND	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND	ND	ND	NT					NT
70	06/12	ND	ND	NT	ND	NT	ND	ND	ND	ND	NT	ND	ND	ND	NT					**2.7**
71	08/12	ND	ND	NT	ND	NT	ND	ND	ND	NT	NT	**3.6**	ND	**2.1**	NT					**1.9**
72	11/12	ND	ND	ND	ND	NT	ND	ND	ND	ND	NT	**1.6**	ND	ND	NT					**2.0**
73	08/13	ND	ND	NT	ND	NT	ND	ND	ND	ND	NT	**2.0**	ND	**1.0**	NT					**2.0**
74	11/13	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	**1.4**	ND	ND	NT					**1.8**
75	06/14	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	**5.0**	ND	**2.0**	ND	ND	ND	ND		**2.0**
76	08/14	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	**4.0**	ND	**1.0**	NT	NT	NT	NT		**2.0**
77	11/14	**2.0**	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	**2.0**	ND	ND	ND	ND	ND	**2.0**
78	06/15	ND	ND	NT	ND	NT	ND	ND	ND	NT	NT	ND	ND	**3.0**	NT	NT	NT	NT	NT	ND
79	08/15	ND	ND	NT	ND	NT	ND	ND	ND	NT	NT	ND	ND	ND	NT	NT	NT	NT	NT	**2.0**
80	11/15	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	**12.4**	**23.3**	<1	<1	<1	<1	<1	<1	**1.3**
81	06/16	<1	<1	NT	NT	<1	<1	NT	NT	<1	NT	**3.0**	**10**	**1.0**	NT	NT	NT	NT	<1	NT
82	11/16	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	**3.0**	**20**	**1.0**	<1	<1	<1	<1	<1	<1

NOTE: Please refer to last page for table notes.

TABLE 1B
WATER QUALITY SUMMARY TABLE - LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
NHDES #198405033

Contaminant:	**1,2-Dichlorobenzene**																		
Round Number	Sample Date	NH AGQS = 600 µg/L GW-2 = 14,000 µg/L																	
		GZ-2L	GZ-3L	GZ-3B	GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-301	GZ-303	GZ-403L	GZ-405L	GZ-505L	GZ-609L	GZ-701L	GZ-901L	GZ-902M	GZ-902L	GZ-905L	MW-1D
66	08/10	ND	**1.0**	ND	ND	NT	ND	ND	ND	ND	NT	ND	ND	ND	NT	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	ND
67	11/10	ND	ND	NT	ND	NT	ND	ND	ND	NT	NT	ND	ND	ND	NT					ND
68	08/11	ND	ND	NT	ND	NT	ND	ND	ND	NT	NT	ND	ND	ND	NT					**1.9**
69	11-12/11	ND	**3.5**	ND	ND	NT	ND	ND	ND	ND	NT	ND	ND	ND	NT					NT
70	06/12	ND	ND	NT	ND	NT	ND	ND	ND	ND	NT	ND	ND	ND	NT					ND
71	08/12	ND	**1.4**	NT	ND	NT	ND	ND	ND	NT	NT	ND	ND	ND	NT					**1.3**
72	11/12	ND	**1.2**	ND	ND	NT	ND	ND	ND	ND	NT	ND	ND	ND	NT					**1.4**
73	08/13	ND	**1.0**	NT	ND	NT	ND	ND	ND	ND	NT	ND	ND	ND	NT					**2.0**
74	11/13	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	ND	ND	ND	NT					**1.1**
75	06/14	ND	**2.0**	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND		**1.0**
76	08/14	ND	**1.0**	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	NT	NT		**1.0**
77	11/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
78	06/15	ND	**1.0**	NT	ND	NT	ND	ND	ND	NT	NT	ND	ND	ND	NT	NT	NT	NT	NT	ND
79	08/15	ND	ND	NT	ND	NT	ND	ND	ND	NT	NT	ND	ND	ND	NT	NT	NT	NT	NT	**1.0**
80	11/15	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	**1.0**
81	06/16	<1	**1.0**	NT	NT	<1	<1	NT	NT	<1	NT	<1	<1	<1	NT	NT	NT	NT	<1	NT
82	11/16	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1

Contaminant:	**1,4-Dichlorobenzene**																		
Round Number	Sample Date	NH AGQS = 75 µg/L GW-2 = 80 µg/L																	
		GZ-2L	GZ-3L	GZ-3B	GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-301	GZ-303	GZ-403L	GZ-405L	GZ-505L	GZ-609L	GZ-701L	GZ-901L	GZ-902M	GZ-902L	GZ-905L	MW-1D
66	08/10	ND	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND	ND	ND	NT	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	ND
67	11/10	ND	ND	NT	ND	NT	ND	ND	ND	NT	NT	ND	ND	ND	NT					ND
68	08/11	ND	ND	NT	ND	NT	ND	ND	ND	NT	NT	ND	ND	ND	NT					**2.4**
69	11-12/11	ND	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND	ND	ND	NT					NT
70	06/12	ND	ND	NT	ND	NT	ND	ND	ND	ND	NT	ND	ND	ND	NT					**2.6**
71	08/12	ND	**1.0**	NT	ND	NT	ND	ND	ND	NT	NT	ND	ND	**1.5**	NT					**2.1**
72	11/12	ND	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND	ND	ND	NT					**2.0**
73	08/13	ND	**1.0**	NT	ND	NT	ND	ND	ND	ND	NT	ND	ND	ND	NT					**2.0**
74	11/13	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	ND	ND	ND	NT					**1.8**
75	06/14	ND	**1.0**	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	**2.0**	ND	ND	ND	ND		**2.0**
76	08/14	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	NT	NT		**2.0**
77	11/14	**1.0**	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	**2.0**
78	06/15	ND	ND	NT	ND	NT	ND	ND	ND	NT	NT	ND	ND	**1.0**	NT	NT	NT	NT	NT	ND
79	08/15	ND	ND	NT	ND	NT	ND	ND	ND	NT	NT	ND	ND	ND	NT	NT	NT	NT	NT	**2.0**
80	11/15	<1	<1	<1	**1.7**	<1	<1	<1	<1	<1	<1	**1.7**	**1.7**	<1	<1	<1	<1	<1	<1	**1.7**
81	06/16	<1	<1	NT	NT	<1	<1	NT	NT	<1	NT	<1	**1.0**	<1	NT	NT	NT	NT	<1	NT
82	11/16	<1	<1	<1	**2.0**	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	**1.0**

NOTE: Please refer to last page for table notes.

TABLE 1B
WATER QUALITY SUMMARY TABLE - LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Carbon Disulfide**																	
Round Number	Sample Date	NH AGQS = 70 µg/L GW-2 = N/A																	
		GZ-2L	GZ-3L	GZ-3B	GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-301	GZ-303	GZ-403L	GZ-405L	GZ-505L	GZ-609L	GZ-701L	GZ-901L	GZ-902M	GZ-902L	GZ-905L	MW-1D
66	08/10	ND	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND	ND	ND	NT	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	ND
67	11/10	ND	ND	NT	ND	NT	ND	ND	ND	NT	NT	ND	ND	ND	NT					ND
68	08/11	ND	ND	NT	ND	NT	ND	ND	ND	NT	NT	ND	ND	ND	NT					ND
69	11-12/11	ND	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND	ND	ND	NT					ND
70	06/12	ND	ND	NT	ND	NT	ND	ND	ND	ND	NT	ND	ND	ND	NT					ND
71	08/12	ND	ND	NT	ND	NT	ND	ND	ND	NT	NT	ND	ND	ND	NT					ND
72	11/12	ND	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND	ND	ND	NT					ND
73	08/13	ND	ND	NT	ND	NT	ND	ND	ND	ND	NT	**9.0**	ND	ND	NT					ND
74	11/13	ND	**6.7**	ND	ND	NT	ND	ND	ND	NT	NT	**13.4**	ND	ND	NT					ND
75	06/14	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	**10**	ND	ND	ND	ND	ND	ND		ND
76	08/14	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	NT	NT		ND
77	11/14	ND	ND	**60**	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
78	06/15	ND	ND	NT	ND	NT	ND	ND	ND	NT	NT	ND	ND	ND	NT	NT	NT	NT	NT	ND
79	08/15	ND	ND	NT	ND	NT	ND	ND	ND	NT	NT	ND	ND	ND	NT	NT	NT	NT	NT	ND
80	11/15	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	**75.5**	**10.1**	<1	<1	<1	<1	<1	<1	<1
81	06/16	<1	<1	NT	<1	NT	<1	NT	NT	<1	NT	<1	**3.0**	<1	NT	NT	NT	NT	<1	NT
82	11/16	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1

Contaminant:		**Naphthalene**																	
Round Number	Sample Date	NH AGQS = 20 µg/L GW-2 = 1,700																	
		GZ-2L	GZ-3L	GZ-3B	GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-301	GZ-303	GZ-403L	GZ-405L	GZ-505L	GZ-609L	GZ-701L	GZ-901L	GZ-902M	GZ-902L	GZ-905L	MW-1D
66	08/10	ND	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND	ND	ND	NT	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	ND
67	11/10	ND	ND	NT	ND	NT	ND	ND	ND	NT	NT	ND	ND	ND	NT					ND
68	08/11	ND	ND	NT	ND	NT	ND	ND	ND	NT	NT	ND	ND	ND	NT					ND
69	11-12/11	ND	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND	ND	ND	NT					ND
70	06/12	ND	ND	NT	ND	NT	ND	ND	ND	ND	NT	ND	ND	ND	NT					ND
71	08/12	ND	ND	NT	ND	NT	ND	ND	ND	NT	NT	ND	ND	ND	NT					ND
72	11/12	ND	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND	ND	ND	NT					ND
73	08/13	ND	ND	NT	ND	NT	ND	ND	ND	ND	NT	ND	ND	ND	NT					ND
74	11/13	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	ND	ND	ND	NT					ND
75	06/14	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	**1.0**	ND	**1.0**	ND	ND	ND	ND		ND
76	08/14	ND	ND	NT	ND	ND	ND	ND	ND	ND	NT	**1.0**	ND	ND	NT	NT	NT	NT		**1.0**
77	11/14	**1.0**	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND
78	06/15	ND	ND	NT	ND	NT	ND	ND	ND	NT	NT	ND	ND	**1.0**	NT	NT	NT	NT	NT	ND
79	08/15	ND	ND	NT	ND	NT	ND	ND	ND	NT	NT	ND	ND	ND	NT	NT	NT	NT	NT	ND
80	11/15	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	**2.8**	**3.7**	<1	<1	<1	<1	<1	<1	<1
81	06/16	<1	<1	NT	NT	<1	<1	NT	NT	<1	NT	<1	**3.0**	<1	NT	NT	NT	NT	<1	NT
82	11/16	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<1

NOTE: Please refer to last page for table notes.

TABLE 1B
WATER QUALITY SUMMARY TABLE - LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Dissolved Oxygen**																	
Round Number	Sample Date	NH AGQS/GW-2 = NA																	
		GZ-2L	GZ-3L	GZ-3B	GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-301	GZ-303	GZ-403L	GZ-405L	GZ-505L	GZ-609L	GZ-701L	GZ-901L	GZ-902M	GZ-902L	GZ-905L	MW-1D
66	08/10	2.3	1.5	0.9	2.4	NT	1.9	0.8	5.1	NT	NT	0.7	0.4	1.3	NT	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	1.0
67	11/10	0.3	0.7	NT	1.3	NT	1.1	1.4	2.6	NT	NT	0.4	0.6	1.2	NT					1.4
68	08/11	1.1	0.9	NT	1.2	NT	1.4	0.7	4.4	NT	NT	NT	NT	NT	NT					1.2
69	11-12/11	1.3	1.3	0.6	1.4	NT	1.7	1.0	4.7	NT	NT	1.0 / 1.1	0.9	1.8	NT					NT
70	06/12	1.2	1.8	NT	1.3	NT	1.2	1.3	4.5	1.1	NT	0.9	0.8	0.8	NT					0.8
71	08/12	1.3	0.6	NT	1.3	NT	1.5	1.3	5.1	NT	NT	1.9	0.8	0.7	NT					1.1
72	11/12	0.9	1.7	0.5	1.3	NT	2.2	1.1	3.8	2.0	NT	1.5	1.0	1.5	NT					1.5
73	08/13	0.8	0.6	NT	1.3	NT	0.8	0.7	2.3	1.2	NT	1.0	0.4	0.4	NT					0.8
74	11/13	1.6	1.5	1.2	1.3	NT	1.3	1.1	3.8	NT	NT	1.4	1.1	1.2	NT					1.1
75	06/14	1.0	0.8	NT	1.4	3.5	1.4	1.0	4.8	NT	NT	0.9	0.9	3.4	1.0	1.1	1.8	0.7		1.5
76	08/14	1.0	1.4	NT	0.9	3.1	1.0	2.3	3.1	1.2	NT	0.8	0.8	1.3	NT	NT	NT	NT		0.9
77	11/14	1.1	0.8	0.4	0.9	3.9	1.4	1.6	3.2	1.5	NT	1.3	1.1	1.3	1.2	1.2	1.0	1.1	2.4	1.1
78	06/15	0.6	0.7	NT	0.4	NT	1.1	NT	4.0	NT	NT	0.8	0.6	0.6	NT	NT	NT	NT	NT	0.8
79	08/15	1.5	0.9	NT	1.1	NT	1.0	1.2	4.3	NT	NT	1.2	0.9	3.2	NT	NT	NT	NT	NT	1.5
80	11/15	0.5	0.7	0.5	2.1	4.0	1.1	0.8	1.5	1.6	1.2	1.3	1.6	1.1	0.8	1.6	1.5	3.3	2.2	0.9
81	06/16	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
82	11/16	1.3	1.0	0.4	1.0	2.8	0.7	1.6	1.9	1.3	0.9	2.5	0.9	1.6	1.8	0.8	0.9	1.0	2.4	1.3

NOTE: Please refer to last page for table notes.

TABLE 1B
WATER QUALITY SUMMARY TABLE - LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Oxidation Reduction Potential (ORP)**																	
Round Number	Sample Date	NH AGQS/GW-2 = NA GZ-2L	GZ-3L	GZ-3B	GZ-9L	GZ-10L	GZ-201L	GZ-202L	GZ-301	GZ-303	GZ-403L	GZ-405L	GZ-505L	GZ-609L	GZ-701L	GZ-901L	GZ-902M	GZ-902L	GZ-905L	MW-1D
66	08/10	-32	-17	-25	+54	NT	+144	+143	+117	NT	NT	-48	-44	-48	NT	Well Not Installed	Well Not Installed	Well Not Installed	Well Not Installed	-55
67	11/10	+37	-50	NT	+75	NT	+109	+8	+41	NT	NT	-52	+6	+21	NT					+67
68	08/11	+34	-67	NT	+62	NT	+70	+107	+117	NT	NT	-54	-45	-44	NT					-8
69	11-12/11	+84	-24	+16	+77	NT	+119	+73	+85	NT	NT	-27 / -17	+68	+25	NT					NT
70	06/12	-60	Out of Range	NT	-45	NT	+50	+30	+30	+130	NT	Out of Range	-65	-60	NT					-80
71	08/12	-7	-55	NT	+44	NT	+126	-10	+119	NT	NT	48	-65	-68	NT					-117
72	11/12	-15	-79	-143	+157	NT	+123	+42	+115	+189	NT	-61	-84	-81	NT					-89
73	08/13	+5	-81	NT	+38	NT	+67	-40	+56	+128	NT	-66	-98	-62	NT					-78
74	11/13	-22	-79	-109	+35	NT	+17	+19	+10	NT	NT	-68	-44	-65	NT					+90
75	06/14	+27	-53	NT	+39	+24	+64	-6	-34	+103	NT	+20	-82	-77	-18	+53	-8	-34		-98
76	08/14	-2	-67	NT	+68	60	+84	-16	84	114	NT	-76	-77	-105	NT	NT	NT	NT		-91
77	11/14	-19	-67	-99	+20	59	+21	-50	-50	+72	NT	-39	-69	-52	+40	+53	-7	-35	+29	-74
78	06/15	-10	-10	NT	+160	NT	+115	+25	+55	NT	NT	-60	-65	-35	NT	NT	NT	NT	NT	-60
79	08/15	-15	-73	NT	+80	NT	-5	-2	-15	NT	NT	-30	-50	-119	NT	NT	NT	NT	NT	-61
80	11/15	+5	-50	-68	+85	+71	+142	+51	+143	+155	+16	-34	-71	-40	+46	+32	+52	-97	+89	-100
81	06/16	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
82	11/16	+19	-32	-124	+41	+82	+55	+45	+59	+55	+10	-48	-59	-53	+27	+48	-17	-55	+89	-70

NOTE: Please refer to last page for table notes.

Former Wastewater Treatment Facility
Salem, New Hampshire
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Notes:

1. Sample Rounds were performed by GZA GeoEnvironmental, Inc. (GZA). Please refer to the analytical laboratory reports for additional information.
2. Concentration is in micrograms per liter (µg/L), which is equivalent to parts per billion (ppb). Oxidation-reduction potential (ORP) is in millivolts (mV).
3. "<" indicates that the respective parameter was not detected above the associated analytical laboratory Reporting Limit (RL). "ND" indicates that the respective parameter was not detected above the RL, but that the RL is not readily available.
4. "OR" indicates that the respective parameter was out of range of the meter.
5. This table considers only those parameters that were analyzed for and detected. Please refer to current and past analytical laboratory reports for the complete list of analytes.
6. This table does not contain data from sampling events prior to 2010 or from wells that are not currently included on the Groundwater Management Permit (No. GWP198405033-S-005). Refer to the attached historic analytical table for analytical data prior to 2010 and additional tables for supplemental sampling locations, if any.
7. "AGQS" refers to NHDES Ambient Groundwater Quality Standards (AGQS) included in Env-Or 603.03. "GW-2" refers to the Groundwater to Indoor Air Screening Levels included in Table 1 – Vapor intrusion Screening Levels of the Vapor Intrusion Guidance. "NA" indicates that the respective standard has not yet been established.
8. Values in **bold** were detected above the laboratory reporting limit; shading indicates exceedances of AGQS, or that the concentration was at the respective AGQS; italics indicates exceedances of GW-2 screening standards.
9. "NT" indicates respective parameter was not tested during the respective sample round.
10. "E" indicates laboratory estimated value reported above the quantitation limit.
11. Dissolved oxygen and ORP analyses were performed in the field using parameter-specific electrodes.
12. Monitoring well MW-1D was installed by Jacques Whitford Company, Inc. during January 2002.
13. The August 2010 monitoring round sample for well GZ-303 was taken on March 31, 2010.
14. Well GZ-405L was sampled for all GMP specified parameters on November 30, 2011 for the November/December 2011 sampling round. A confirmatory sample for VOCs and field parameters was collected on December 9, 2011. Both results are included on Round 69 separated by a slash.
15. During the August 2012 sampling round, n-butylbenzene (1.1 µg/L) was detected at well GZ-405L.
16. During the August 2014 sampling round, 1,1,2-trichloroethane (1,1,2-TCA, 1 µg/L) was detected in well GZ-9L.
17. During the November 2014 sampling round, ethyl tertiary-butyl ether (3 µg/L) was detected at well GZ-701L. N-Butylbenzene (4 µg/L) and sec-Butylbenzene (3 µg/L) were detected in well GZ-505LR (4µg/L).
18. During the June 2016 sampling round, 4-Isopropyltoluene (3 µg/L), n-butylbenzene (4 µg/L), and sec-butylbenzene (3 µg/L) were detected at well GZ-505LR.
19. During the November 2016 sampling round, ethyl tertiary-butyl ether (2.0 µg/L) was detected at well GZ-701L. 1,1,2-TCA (1 µg/L) was detected in well GZ-201L.

TABLE 1C
WATER QUALITY SUMMARY TABLE - 2015 RESULTS FOR FORMER GMP-RELATED WELLS
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Tetrachloroethene**				**Shallow Wells**				**Deep Wells**								
Round Number	Sample Date	NH AGQS = 0.005 GZ-601U	GZ-606U	GZ-610U	GZ-616U	GZ-618U	SW-6	SW-7	Surface Water WQCTS = 0.0008 SW-8	NH AGQS = 0.005 GZ-4L	GZ-8L	GZ-203L	GZ-402L	GZ-503L	GZ-504L	GZ-507L	GZ-606L	GZ-610L
Start of Bioremediation Pilot Test																		
17	07/97	NI	NI	NI	NI	NI	Dry	NT	NT	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NI
18	12/97	NI	NI	NI	NI	NI	<0.02	NT	NT	**0.086**	<0.001	NI	NI	NI	NI	NI	NI	NI
19	04/98	NI	NI	NI	NI	NI	<0.001	NT	NT	<0.1	<0.001	NI	NI	NI	NI	NI	NI	NI
20	07/98	NI	NI	NI	NI	NI	Dry	NT	NT	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NI
21	11/98	NI	NI	NI	NI	NI	<0.005	NT	NT	<0.025	<0.001	NI	NI	NI	NI	NI	NI	NI
22	3,5/99	NI	NI	NI	NI	NI	Dry	NT	NT	<0.01	<0.001	NI	NI	NI	NI	NI	NI	NI
23	07/99	NI	NI	NI	NI	NI	Dry	NT	NT	<0.025	<0.001	NI	NI	NI	NI	NI	NI	NI
24	12/99	NI	NI	NI	NI	NI	<0.05	NT	NT	<0.01	<0.001	NI	NI	NI	NI	NI	NI	NI
Start of Full-Scale Bioremediation																		
25	06/00	NI	NI	NI	NI	NI	**0.016**	NT	NT	<0.005	<0.001	NI	NI	NI	NI	NI	NI	NI
26	07/00	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
27	08/00	NI	NI	NI	NI	NI	Dry	NT	NT	<0.005	<0.001	NI	NI	NI	NI	NI	NI	NI
28	12/00	NI	NI	NI	NI	NI	<0.1	NT	NT	<0.005	<0.001	NI	NI	NI	NI	NI	NI	NI
29	01/01	NI	NI	NI	NI	NI	<0.1	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
30	06-07/01	NI	NI	NI	NI	NI	Dry	NT	NT	<0.001	**0.0018**	**NI**	NI	NI	NI	NI	NI	NI
31	09-10/01	NI	NI	NI	NI	NI	<0.005	NT	NT	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI
32	12/01	NI	NI	NI	NI	NI	<0.01	NT	NT	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI
33	01/02	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
34	02/02	NI	NI	NI	NI	NI	<0.005	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
35	06/02	NI	NI	NI	NI	NI	<0.005	NT	NT	<0.005	<0.001	NI	NI	NI	NI	NI	NI	NI
36	10/02	NI	NI	NI	NI	NI	**0.004**	NT	NT	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI
37	01/03	NI	NI	NI	NI	NI	<0.01	NT	NT	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI
38	07/03	NI	NI	NI	NI	NI	<0.05	NT	NT	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI
39	12/03	NI	NI	NI	NI	NI	<0.01	NT	NT	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI
40	02/04	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	<0.002	NI	NI	NI	NI	NI	NI
41	06/04	NI	NI	NI	NI	NI	<0.01	NT	NT	<0.002	<0.002	<0.002	NI	NI	NI	NI	NI	NI
42	08/04	NI	NI	NI	NI	NI	<0.002	NT	NT	<0.002	<0.002	<0.005	NI	NI	NI	NI	NI	NI
43	11/04	NI	NI	NI	NI	NI	<0.02	NT	NT	<0.002	<0.002	NT	NI	NI	NI	NI	NI	NI
44	01/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	<0.002	NI	NI	NI	NI	NI
45	06/05	NI	NI	NI	NI	NI	<0.01	NT	NT	<0.002	<0.002	<0.005	NT	NI	NI	NI	NI	NI
46	08/05	NI	NI	NI	NI	NI	NT	NT	NT	<0.002	<0.002	NT	NT	NI	NI	NI	NI	NI
47	11/05	NI	NI	NI	NI	NI	<0.005	NT	NT	<0.005	<0.001	<0.002	<0.005	NI	NI	NI	NI	NI
48	12/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
49	05/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
50	06/06	NI	NI	NI	NI	NI	<0.001	NT	NT	<0.001	<0.001	NT	NT	NI	NI	NI	NI	NI
51	08/06	NI	NI	NI	NI	NI	<0.001	NT	NT	<0.001	<0.001	NT	NT	NI	NI	NI	NI	NI
52	10/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	<0.025	<0.001	<0.001	NI	NI
53	12/06	NI	NI	NI	NI	NI	<0.0025	NT	NT	<0.001	<0.001	NT	NT	NT	NT	NT	NI	NI
54	01/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001	NI	NI
55	02/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001	NI	NI
56	05/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	**0.006**	NI	NI
57	07/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	<0.001	**0.0048**	<0.001	NI	NI
58	08/07	**0.17**	**0.07**	**0.07**	**0.46**	<0.05	<0.05	NT	NT	<0.001	<0.001	NT	NT	NT	NT	NT	NI	NI
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	NT	NT	NT	NT	NT	<0.001	**0.0034**
60	11/07	NT	NT	NT	NT	NT	<0.025	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
62	08/08	NT	NT	NT	NT	NT	<0.025	NT	NT	<0.001	<0.001	NT	NT	NT	NT	NT	NT	NT
63	11/08	NT	NT	NT	NT	NT	<0.001	NT	NT	<0.025	<0.001	NT	<0.001	NT	NT	NT	NT	NT
64	09/09	NT	NT	NT	NT	NT	<0.050	NT	NT	<0.01	<0.001	NT	NT	NT	NT	NT	NT	NT
65	11/09	NT	NT	NT	NT	NT	<0.025	NT	NT	<0.01	<0.001	NT	NT	NT	NT	NT	NT	NT
66	08/10	<0.20	<2.0	<1.0	<1.0	**0.03**	NT	<0.002	<0.002	<0.005	<0.002	<0.002	<0.005	NT	NT	NT	<0.002	<0.050
67	11/10	<2.0	<1.0	<1.0	<0.50	<0.002	<0.002	<0.002	<0.002	<0.005	<0.002	<0.002	<0.005	NT	NT	NT	<0.002	<0.050
68	08/11	<0.1	<1.0	<0.10	<1.0	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.001	<0.001	NT	<0.001	<0.010
69	11-12/11	<0.050	<1.0	<0.10	**0.0061**	<0.001	<0.025	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.010
70	05/12	<1	<2.5	<0.25	<0.25	<0.1	<0.05	<0.001	<0.001	<0.01	<0.001	<0.0025	<0.01	<0.001	<0.001	<0.001	<0.001	<0.005
71	08/12	<0.1	<0.1	<0.1	<0.1	**0.0094**	NT	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.0016**
72	11/12	<1	<1	<1	<0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	**0.0056**
73	08/13	**0.1**	<0.1	**0.1**	**0.2**	<0.001	NT	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.003**
74	11/13	**0.283**	<0.1	<0.1	**0.12**	<0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.0012**
75	06/14	<0.1	<0.1	<0.1	**0.1**	<0.001	<0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.002**
76	08/14	<0.1	<0.1	<0.1	**0.2**	<0.01	NT	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.001**	**0.005**
77	11/14	**0.1**	<0.1	<0.1	<0.1	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	**0.001**	<0.001	<0.001	<0.001	<0.001	**0.002**	**0.003**
78	06/15	**0.2**	<0.1	<0.1	**0.1**	**0.09**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.002**	<0.02
79	08/15	<0.1	<0.1	**0.1**	**0.2**	<0.1	NT	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.003**	<0.02

NOTE: Please refer to last page for table notes.

TABLE 1C
WATER QUALITY SUMMARY TABLE - 2015 RESULTS FOR FORMER GMP-RELATED WELLS
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Trichloroethene**					**Shallow Wells**			**Trichloroethene**					**Deep Wells**			
Round	Sample	NH AGQS = 0.005 GW-2 = 0.020							Surface Water WQCTS = 0.0027	NH AGQS = 0.005 GW-2 = 0.020								
Number	Date	GZ-601U	GZ-606U	GZ-610U	GZ-616U	GZ-618U	SW-6	SW-7	SW-8	GZ-4L	GZ-8L	GZ-203L	GZ-402L	GZ-503L	GZ-504L	GZ-507L	GZ-606L	GZ-610L
Start of Bioremediation Pilot Test																		
17	07/97	NI	NI	NI	NI	NI	Dry	NT	NT	**0.36**	<0.001	NI	NI	NI	NI	NI	NI	NI
18	12/97	NI	NI	NI	NI	NI	**0.021**	NT	NT	**0.54**	<0.001	NI	NI	NI	NI	NI	NI	NI
19	04/98	NI	NI	NI	NI	NI	**0.005**	NT	NT	**0.41**	<0.001	NI	NI	NI	NI	NI	NI	NI
20	07/98	NI	NI	NI	NI	NI	Dry	NT	NT	**0.33**	<0.001	NI	NI	NI	NI	NI	NI	NI
21	11/98	NI	NI	NI	NI	NI	**0.044**	NT	NT	**0.076**	<0.001	NI	NI	NI	NI	NI	NI	NI
22	3,5/99	NI	NI	NI	NI	NI	Dry	NT	NT	**0.24**	<0.001	NI	NI	NI	NI	NI	NI	NI
23	07/99	NI	NI	NI	NI	NI	Dry	NT	NT	<0.025	<0.001	NI	NI	NI	NI	NI	NI	NI
24	12/99	NI	NI	NI	NI	NI	**0.19**	NT	NT	<0.01	<0.001	NI	NI	NI	NI	NI	NI	NI
Start of Full-Scale Bioremediation																		
25	06/00	NI	NI	NI	NI	NI	**0.041**	NT	NT	**0.038**	<0.001	NI	NI	NI	NI	NI	NI	NI
26	07/00	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
27	08/00	NI	NI	NI	NI	NI	Dry	NT	NT	**0.025**	<0.001	NI	NI	NI	NI	NI	NI	NI
28	12/00	NI	NI	NI	NI	NI	**0.84**	NT	NT	**0.012**	<0.001	NI	NI	NI	NI	NI	NI	NI
29	01/01	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
30	06-07/01	NI	NI	NI	NI	NI	Dry	NT	NT	**0.0022**	**0.0018**	NI	NI	NI	NI	NI	NI	NI
31	09-10/01	NI	NI	NI	NI	NI	**0.2**	NT	NT	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI
32	12/01	NI	NI	NI	NI	NI	**0.11**	NT	NT	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI
33	01/02	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
34	02/02	NI	NI	NI	NI	NI	**0.1**	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
35	06/02	NI	NI	NI	NI	NI	**0.22**	NT	NT	**0.0059**	<0.001	NI	NI	NI	NI	NI	NI	NI
36	10/02	NI	NI	NI	NI	NI	**0.3**	NT	NT	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI
37	01/03	NI	NI	NI	NI	NI	**0.37**	NT	NT	**0.01**	<0.002	NI	NI	NI	NI	NI	NI	NI
38	07/03	NI	NI	NI	NI	NI	**0.63**	NT	NT	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI
39	12/03	NI	NI	NI	NI	NI	**0.24**	NT	NT	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI
40	02/04	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	**0.29**	NI	NI	NI	NI	NI	NI
41	06/04	NI	NI	NI	NI	NI	**0.43**	NT	NT	<0.002	<0.002	**0.11**	NI	NI	NI	NI	NI	NI
42	08/04	NI	NI	NI	NI	NI	**0.007**	NT	NT	<0.002	<0.002	**0.3**	NI	NI	NI	NI	NI	NI
43	11/04	NI	NI	NI	NI	NI	<0.02	NT	NT	<0.002	<0.002	NT	NI	NI	NI	NI	NI	NI
44	01/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	**0.015**	NI	NI	NI	NI	NI
45	06/05	NI	NI	NI	NI	NI	**0.12**	NT	NT	**0.006**	<0.002	**0.16**	NT	NI	NI	NI	NI	NI
46	08/05	NI	NI	NI	NI	NI	NT	NT	NT	<0.002	<0.002	NT	NT	NI	NI	NI	NI	NI
47	11/05	NI	NI	NI	NI	NI	<0.005	NT	NT	**0.017**	<0.001	**0.091**	**0.011**	NI	NI	NI	NI	NI
48	12/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
49	05/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
50	06/06	NI	NI	NI	NI	NI	<0.001	NT	NT	**0.013**	<0.001	NT	NT	NI	NI	NI	NI	NI
51	08/06	NI	NI	NI	NI	NI	<0.001	NT	NT	**0.0057**	<0.001	NT	NT	NI	NI	NI	NI	NI
52	10/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	**0.51**	**0.073**	<0.001	NI	NI
53	12/06	NI	NI	NI	NI	NI	**0.011**	NT	NT	**0.0051**	<0.001	NT	NT	NT	NT	NT	NI	NI
54	01/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	**0.034**	**0.061**	**0.034**	NI	NI
55	02/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	**0.15**	**0.1**	**0.46**	NI	NI
56	05/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	**0.024**	**0.13**	**1.1**	NI	NI
57	07/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	**0.0037**	**1**	**0.056**	NI	NI
58	08/07	**130**	**54**	**37**	**120**	**1.3**	<0.05	NT	NT	<0.001	<0.001	NT	NT	NT	NT	NT	NI	NI
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	NT	NT	NT	NT	NT	**0.0096**	**1.9**
60	11/07	NT	NT	NT	NT	NT	<0.025	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
62	08/08	NT	NT	NT	NT	NT	<0.025	NT	NT	**0.0034**	<0.001	NT	NT	NT	NT	NT	NT	NT
63	11/08	NT	NT	NT	NT	NT	<0.001	NT	NT	<0.025	<0.001	NT	**0.0072**	NT	NT	NT	NT	NT
64	09/09	NT	NT	NT	NT	NT	<0.05	NT	NT	<0.01	<0.001	NT	NT	NT	NT	NT	NT	NT
65	11/09	NT	NT	NT	NT	NT	<0.025	NT	NT	<0.01	<0.001	NT	NT	NT	NT	NT	NT	NT
66	08/10	**21**	**52**	**130**	**78**	**0.88**	NT	<0.002	<0.002	<0.005	<0.002	**0.120**	**0.007**	NT	NT	NT	**0.002**	**13**
67	11/10	**270**	<1.0	**170**	**84**	<0.002	<0.002	<0.002	<0.002	<0.005	<0.002	**0.270**	**0.007**	NT	NT	NT	<0.002	**11**
68	08/11	**16**	**2.4**	**22**	**130**	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	**0.092**	<0.005	<0.001	<0.001	NT	<0.001	**0.67**
69	11-12/11	**1.6**	**10**	**12**	**0.47**	<0.001	<0.025	<0.001	<0.001	<0.005	<0.001	**0.077**	**0.0058**	<0.001	<0.001	<0.001	**0.019**	**1.4**
70	05/12	**89.5**	**25.2**	**12.6**	**17.5**	**0.932**	<0.05	<0.001	<0.001	<0.01	<0.001	**0.0786**	<0.01	<0.001	<0.001	<0.001	**0.0848**	**0.224**
71	08/12	**1.39**	**0.509**	**46.6**	**27.8**	**0.372**	NT	<0.001	<0.001	<0.001	<0.001	**0.0752**	**0.0118**	<0.001	<0.001	<0.001	**0.231**	**0.237**
72	11/12	**149**	<1	**67.3**	**1.99**	**0.0085**	<0.001	<0.001	<0.001	**0.0022**	<0.001	**0.408**	**0.0036**	<0.001	<0.001	<0.001	**0.0049**	**2.41**
73	08/13	**56**	**0.9**	**72.8**	**45.2**	<0.001	NT	<0.001	<0.001	<0.001	<0.001	**0.1**	**0.003**	<0.001	<0.001	<0.001	**0.07**	**0.4**
74	11/13	**208**	**1.99**	**71.1**	**48.4**	**0.666**	<0.001	<0.001	<0.001	<0.001	<0.001	**0.248**	**0.0025**	<0.001	<0.001	<0.001	**0.234**	**0.228**
75	06/14	**9.2**	**7.2**	**10.8**	**38.6**	<0.001	<0.1	<0.001	<0.001	<0.001	<0.001	**0.1**	**0.003**	<0.001	<0.001	<0.001	**0.1**	**0.4**
76	08/14	**12.3**	**2.6**	**62.7**	**74.3**	**0.1**	NT	<0.001	<0.001	<0.001	<0.001	**0.1**	**0.003**	<0.001	**0.002**	<0.001	**0.3**	**2.7**
77	11/14	**75.8**	**1.1**	**14.6**	**48.4**	**0.01**	<0.001	<0.001	<0.001	**0.003**	<0.001	**0.2**	**0.003**	<0.001	<0.001	<0.001	**0.5**	**1.3**
78	06/15	**93.8**	**8.4**	**24.1**	**43.6**	**6.3**	<0.001	<0.001	<0.001	<0.001	<0.001	**0.09**	**0.002**	<0.001	<0.001	<0.001	**0.1**	**1.0**
79	08/15	**4.4**	**3.1**	**61.3**	**65.6**	**0.7**	NT	<0.001	<0.001	<0.001	<0.001	**0.1**	**0.002**	<0.001	**0.1**	<0.001	**0.3**	**0.4**

NOTE: Please refer to last page for table notes.

TABLE 1C
WATER QUALITY SUMMARY TABLE - 2015 RESULTS FOR FORMER GMP-RELATED WELLS
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		1,1,1-Trichloroethane				Shallow Wells				1,1,1-Trichloroethane				Deep Wells				
Round Number	Sample Date	NH AGQS = 0.2 GW-2 = 27.0					Surface Water WQCTS = 0.001			NH AGQS = 0.2 GW-2 = 27.0								
		GZ-601U	GZ-606U	GZ-610U	GZ-616U	GZ-618U	SW-6	SW-7	SW-8	GZ-4L	GZ-8L	GZ-203L	GZ-402L	GZ-503L	GZ-504L	GZ-507L	GZ-606L	GZ-610L
Start of Bioremediation Pilot Test																		
17	07/97	NI	NI	NI	NI	NI	Dry	NT	NT	**0.083**	<0.001	NI	NI	NI	NI	NI	NI	NI
18	12/97	NI	NI	NI	NI	NI	**1.5**	NT	NT	**0.12**	<0.001	NI	NI	NI	NI	NI	NI	NI
19	04/98	NI	NI	NI	NI	NI	**0.0028**	NT	NT	**0.15**	<0.001	NI	NI	NI	NI	NI	NI	NI
20	07/98	NI	NI	NI	NI	NI	Dry	NT	NT	**0.088**	<0.001	NI	NI	NI	NI	NI	NI	NI
21	11/98	NI	NI	NI	NI	NI	**2.4**	NT	NT	**<0.025**	<0.001	NI	NI	NI	NI	NI	NI	NI
22	3,5/99	NI	NI	NI	NI	NI	Dry	NT	NT	<0.01	<0.001	NI	NI	NI	NI	NI	NI	NI
23	07/99	NI	NI	NI	NI	NI	Dry	NT	NT	<0.025	<0.001	NI	NI	NI	NI	NI	NI	NI
24	12/99	NI	NI	NI	NI	NI	**0.1**	NT	NT	<0.01	<0.001	NI	NI	NI	NI	NI	NI	NI
Start of Full-Scale Bioremediation																		
25	06/00	NI	NI	NI	NI	NI	<0.01	NT	NT	<0.005	<0.001	NI	NI	NI	NI	NI	NI	NI
26	07/00	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
27	08/00	NI	NI	NI	NI	NI	Dry	NT	NT	<0.005	<0.001	NI	NI	NI	NI	NI	NI	NI
28	12/00	NI	NI	NI	NI	NI	**0.6**	NT	NT	<0.005	<0.001	NI	NI	NI	NI	NI	NI	NI
29	01/01	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
30	06-07/01	NI	NI	NI	NI	NI	Dry	NT	NT	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI
31	09-10/01	NI	NI	NI	NI	NI	**0.032**	NT	NT	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI
32	12/01	NI	NI	NI	NI	NI	<0.01	NT	NT	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI
33	01/02	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
34	02/02	NI	NI	NI	NI	NI	**0.025**	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
35	06/02	NI	NI	NI	NI	NI	<0.005	NT	NT	<0.005	<0.001	NI	NI	NI	NI	NI	NI	NI
36	10/02	NI	NI	NI	NI	NI	**0.042**	NT	NT	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI
37	01/03	NI	NI	NI	NI	NI	**0.02**	NT	NT	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI
38	07/03	NI	NI	NI	NI	NI	<0.05	NT	NT	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI
39	12/03	NI	NI	NI	NI	NI	<0.01	NT	NT	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI
40	02/04	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	**0.046**	NI	NI	NI	NI	NI	NI
41	06/04	NI	NI	NI	NI	NI	<0.01	NT	NT	<0.002	<0.002	**0.028**	NI	NI	NI	NI	NI	NI
42	08/04	NI	NI	NI	NI	NI	**0.071**	NT	NT	<0.002	<0.002	**0.039**	NI	NI	NI	NI	NI	NI
43	11/04	NI	NI	NI	NI	NI	<0.02	NT	NT	<0.002	<0.002	NT	NI	NI	NI	NI	NI	NI
44	01/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	<0.002	NI	NI	NI	NI	NI
45	06/05	NI	NI	NI	NI	NI	<0.01	NT	NT	<0.002	<0.002	**0.029**	NT	NI	NI	NI	NI	NI
46	08/05	NI	NI	NI	NI	NI	NT	NT	NT	<0.002	<0.002	NT	NT	NI	NI	NI	NI	NI
47	11/05	NI	NI	NI	NI	NI	**0.0099**	NT	NT	<0.005	<0.001	**0.017**	<0.005	NI	NI	NI	NI	NI
48	12/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
49	05/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
50	06/06	NI	NI	NI	NI	NI	<0.001	NT	NT	<0.001	<0.001	NT	NT	NI	NI	NI	NI	NI
51	08/06	NI	NI	NI	NI	NI	<0.001	NT	NT	<0.001	<0.001	NT	NT	NI	NI	NI	NI	NI
52	10/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	**0.027**	**0.0032**	<0.001	NI	NI
53	12/06	NI	NI	NI	NI	NI	<0.0025	NT	NT	<0.001	<0.001	NT	NT	NT	NT	NT	NI	NI
54	01/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	**0.0014**	**0.0029**	<0.001	NI	NI
55	02/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	**0.0045**	**0.0034**	**0.028**	NI	NI
56	05/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	**<0.001**	**0.0063**	**0.098**	NI	NI
57	07/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	<0.001	**0.084**	**0.0029**	NI	NI
58	08/07	**9.7**	**23**	**1.8**	**10**	**0.31**	<0.05	NT	NT	<0.001	<0.001	NT	NT	NT	NT	NT	NI	NI
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	NT	NT	NT	NT	NT	<0.001	**0.2**
60	11/07	NT	NT	NT	NT	NT	**0.034**	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
62	08/08	NT	NT	NT	NT	NT	<0.025	NT	NT	<0.001	<0.001	NT	NT	NT	NT	NT	NT	NT
63	11/08	NT	NT	NT	NT	NT	<0.001	NT	NT	<0.025	<0.001	NT	<0.001	NT	NT	NT	NT	NT
64	09/09	NT	NT	NT	NT	NT	<0.05	NT	NT	<0.01	<0.001	NT	NT	NT	NT	NT	NT	NT
65	11/09	NT	NT	NT	NT	NT	<0.025	NT	NT	<0.01	<0.001	NT	NT	NT	NT	NT	NT	NT
66	08/10	**2**	**21**	**8**	**6**	**0.3**	NT	<0.002	<0.002	<0.005	<0.002	**0.004**	<0.005	NT	NT	NT	<0.002	**0.690**
67	11/10	**17**	**16**	**12**	**7.1**	<0.002	<0.002	<0.002	<0.002	<0.005	<0.002	**0.008**	<0.005	NT	NT	NT	<0.002	**0.770**
68	08/11	**1.1**	**21**	**1.9**	**15**	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	**0.0036**	<0.005	<0.001	<0.001	NT	**0.0048**	**0.120**
69	11-12/11	**0.067**	**8.5**	**0.82**	**0.014**	<0.001	<0.025	<0.001	<0.001	<0.005	<0.001	**0.003**	<0.005	<0.001	<0.001	<0.001	**0.0064**	**0.08**
70	05/12	**6.70**	**19.8**	**1.28**	**1.38**	**0.138**	<0.05	<0.001	<0.001	<0.01	<0.001	**0.0028**	<0.01	<0.001	**0.0015**	<0.001	**0.0181**	**0.0160**
71	08/12	**0.198**	**3.14**	**3.66**	**3.26**	**0.219**	NT	<0.001	<0.001	<0.001	<0.001	**0.0022**	<0.001	<0.001	**0.0012**	<0.001	**0.006**	**0.0121**
72	11/12	**13.2**	**9.2**	**5.47**	<0.1	**0.0123**	<0.001	<0.001	<0.001	<0.001	<0.001	**0.0119**	<0.001	<0.001	<0.001	<0.001	**0.0166**	**0.145**
73	08/13	**3.9**	**9.8**	**6.3**	**5.6**	<0.001	NT	<0.001	<0.001	<0.001	<0.001	**0.005**	<0.001	<0.001	<0.001	<0.001	**0.03**	**0.02**
74	11/13	**15.8**	**10.4**	**5.83**	**6.11**	**0.359**	<0.001	<0.001	<0.001	<0.001	<0.001	**0.0118**	<0.001	<0.001	<0.001	<0.001	**0.0197**	**0.0104**
75	06/14	**0.6**	**10.7**	**0.7**	**3.4**	<0.001	<0.1	<0.001	<0.001	<0.001	<0.001	**0.004**	<0.001	<0.001	<0.001	<0.001	**0.01**	**0.02**
76	08/14	**1.1**	**7.6**	**3.7**	**6.0**	**0.2**	NT	<0.001	<0.001	<0.001	<0.001	**0.005**	<0.001	<0.001	<0.001	<0.001	**0.04**	**0.09**
77	11/14	**9.8**	**5.8**	**1.3**	**4.2**	**0.1**	<0.001	<0.001	<0.001	<0.001	<0.001	**0.02**	<0.001	<0.001	<0.001	<0.001	**0.04**	**0.1**
78	06/15	**5.7**	**2.2**	**1.6**	**3.9**	**1.4**	<0.001	<0.001	<0.001	<0.001	<0.001	**0.006**	<0.001	<0.001	<0.001	<0.001	**0.006**	**0.04**
79	08/15	**0.4**	**2.4**	**4.1**	**6.2**	**0.9**	NT	<0.001	<0.001	<0.001	<0.001	**0.01**	<0.001	<0.001	**0.03**	<0.001	**0.02**	**0.03**

NOTE: Please refer to last page for table notes.

TABLE 1C
WATER QUALITY SUMMARY TABLE - 2015 RESULTS FOR FORMER GMP-RELATED WELLS
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Total 1,2-Dichloroethenes**					**Shallow Wells**			**Total 1,2-Dichloroethenes**					**Deep Wells**			
Round Number	Sample Date	NH AGQS = 0.07 GW-2 = 0.560							Surface Water WQCTS = 0.7	NH AGQS = 0.07 GW-2 = 0.560								
		GZ-601U	GZ-606U	GZ-610U	GZ-616U	GZ-618U	SW-6	SW-7	SW-8	GZ-4L	GZ-8L	GZ-203L	GZ-402L	GZ-503L	GZ-504L	GZ-507L	GZ-606L	GZ-610L
Start of Bioremediation Pilot Test																		
17	07/97	NI	NI	NI	NI	NI	Dry	NT	NT	**3.6**	<0.002	NI	NI	NI	NI	NI	NI	NI
18	12/97	NI	NI	NI	NI	NI	**25.1**	NT	NT	**4.5**	<0.002	NI	NI	NI	NI	NI	NI	NI
19	04/98	NI	NI	NI	NI	NI	**0.2376**	NT	NT	**4.4**	<0.002	NI	NI	NI	NI	NI	NI	NI
20	07/98	NI	NI	NI	NI	NI	Dry	NT	NT	**5.1**	<0.002	NI	NI	NI	NI	NI	NI	NI
21	11/98	NI	NI	NI	NI	NI	**7.9**	NT	NT	**0.54**	**0.0014**	NI	NI	NI	NI	NI	NI	NI
22	3,5/99	NI	NI	NI	NI	NI	Dry	NT	NT	**2**	<0.002	NI	NI	NI	NI	NI	NI	NI
23	07/99	NI	NI	NI	NI	NI	Dry	NT	NT	**3**	<0.002	NI	NI	NI	NI	NI	NI	NI
24	12/99	NI	NI	NI	NI	NI	**2.866**	NT	NT	**0.41**	<0.002	NI	NI	NI	NI	NI	NI	NI
Start of Full-Scale Bioremediation																		
25	06/00	NI	NI	NI	NI	NI	**0.3**	NT	NT	**0.27**	<0.002	NI	NI	NI	NI	NI	NI	NI
26	07/00	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
27	08/00	NI	NI	NI	NI	NI	Dry	NT	NT	**0.4054**	<0.002	NI	NI	NI	NI	NI	NI	NI
28	12/00	NI	NI	NI	NI	NI	**12**	NT	NT	**0.55**	<0.002	NI	NI	NI	NI	NI	NI	NI
29	01/01	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
30	06-07/01	NI	NI	NI	NI	NI	Dry	NT	NT	**0.0899**	<0.002	NI	NI	NI	NI	NI	NI	NI
31	09-10/01	NI	NI	NI	NI	NI	**2.5079**	NT	NT	**0.0435**	<0.002	NI	NI	NI	NI	NI	NI	NI
32	12/01	NI	NI	NI	NI	NI	**2**	NT	NT	**0.023**	<0.002	NI	NI	NI	NI	NI	NI	NI
33	01/02	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
34	02/02	NI	NI	NI	NI	NI	**2.8**	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
35	06/02	NI	NI	NI	NI	NI	**1.6**	NT	NT	**0.061**	<0.002	NI	NI	NI	NI	NI	NI	NI
36	10/02	NI	NI	NI	NI	NI	**3.121**	NT	NT	**0.008**	<0.004	NI	NI	NI	NI	NI	NI	NI
37	01/03	NI	NI	NI	NI	NI	**3.12**	NT	NT	**0.05**	<0.004	NI	NI	NI	NI	NI	NI	NI
38	07/03	NI	NI	NI	NI	NI	**4.9**	NT	NT	**0.003**	<0.004	NI	NI	NI	NI	NI	NI	NI
39	12/03	NI	NI	NI	NI	NI	**2.22**	NT	NT	**0.003**	<0.004	NI	NI	NI	NI	NI	NI	NI
40	02/04	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	**0.915**	NI	NI	NI	NI	NI	NI
41	06/04	NI	NI	NI	NI	NI	**3.73**	NT	NT	**0.002**	<0.002	**0.653**	NI	NI	NI	NI	NI	NI
42	08/04	NI	NI	NI	NI	NI	**1.948**	NT	NT	**0.003**	<0.002	**0.730**	NI	NI	NI	NI	NI	NI
43	11/04	NI	NI	NI	NI	NI	**0.91**	NT	NT	**0.003**	<0.002	NT	NI	NI	NI	NI	NI	NI
44	01/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	**0.088**	NI	NI	NI	NI	NI
45	06/05	NI	NI	NI	NI	NI	**3.03**	NT	NT	**0.014**	<0.002	**0.608**	NT	NI	NI	NI	NI	NI
46	08/05	NI	NI	NI	NI	NI	NT	NT	NT	<0.002	<0.002	NT	NT	NI	NI	NI	NI	NI
47	11/05	NI	NI	NI	NI	NI	**0.356**	NT	NT	**0.064**	<0.001	**0.360**	**0.053**	NI	NI	NI	NI	NI
48	12/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
49	05/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
50	06/06	NI	NI	NI	NI	NI	<0.002	NT	NT	**0.0418**	<0.002	NT	NT	NI	NI	NI	NI	NI
51	08/06	NI	NI	NI	NI	NI	**0.018**	NT	NT	**0.008**	<0.002	NT	NT	NI	NI	NI	NI	NI
52	10/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	<0.05	**0.0025**	<0.001	NI	NI
53	12/06	NI	NI	NI	NI	NI	**2.112**	NT	NT	**0.0085**	<0.002	NT	NT	NT	NT	NT	NI	NI
54	01/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	**0.0017**	**0.0032**	**0.0015**	NI	NI
55	02/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	**0.0077**	**0.0034**	**0.0015**	NI	NI
56	05/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	**0.019**	**0.0068**	**0.0061**	NI	NI
57	07/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	**0.067**	**0.021**	**0.0052**	NI	NI
58	08/07	**100.26**	**270.84**	**0.089**	**22**	**2.9**	**2.1**	NT	NT	**0.001**	<0.002	NT	NT	NT	NT	NT	NI	NI
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.002	NT	NT	NT	NT	NT	**0.32**	**1.5**
60	11/07	NT	NT	NT	NT	NT	**1.76**	NT	NT	**0.0019**	NT	NT	NT	NT	NT	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
62	08/08	NT	NT	NT	NT	NT	**0.051**	NT	NT	**0.012**	<0.002	NT	NT	NT	NT	NT	NT	NT
63	11/08	NT	NT	NT	NT	NT	**2.836**	NT	NT	<50	<0.002	NT	**0.036**	NT	NT	NT	NT	NT
64	09/09	NT	NT	NT	NT	NT	**8**	NT	NT	<0.01	<0.001	NT	NT	NT	NT	NT	NT	NT
65	11/09	NT	NT	NT	NT	NT	**0.82**	NT	NT	<0.01	<0.001	NT	NT	NT	NT	NT	NT	NT
66	08/10	**35**	**270**	**6**	**16**	**3.34**	NT	**0.005**	**0.007**	<0.005	<0.002	**0.120**	**0.025**	NT	NT	NT	**0.009**	**1.30**
67	11/10	**130**	**230**	**4**	**12**	**0.14**	**0.022**	<0.002	<0.002	**0.008**	<0.002	**0.250**	**0.028**	NT	NT	NT	<0.002	**3.60**
68	08/11	**21.16**	**250**	**5.4**	**37**	**0.0014**	**0.014**	<0.001	<0.001	<0.005	<0.001	**0.11**	**0.019**	**0.004**	**0.0094**	NT	**0.033**	**1.80**
69	11-12/11	**6.076**	**95**	**0.94**	**0.043**	**0.0014**	**3.0**	<0.001	<0.001	**0.037**	<0.001	**0.11**	**0.027**	**0.0023**	**0.0015**	<0.001	**0.0951**	**0.62**
70	05/12	**42.1**	**204**	**6.74**	**3.18**	**0.911**	**4.9**	<0.001	<0.001	<0.01	<0.001	**0.108**	**0.0187**	**0.0025**	**0.0648**	<0.001	**0.0909**	**0.271**
71	08/12	**22.986**	**39.709**	**8.75**	**6.99**	**1.6001**	NT	<0.001	<0.001	<0.001	<0.001	**0.105**	**0.0194**	**0.0024**	**0.0073**	<0.001	**0.132**	**0.2857**
72	11/12	**92**	**115**	**28**	**0.4**	**0.3352**	**0.018**	<0.001	<0.001	**0.0133**	<0.001	**0.467**	**0.0217**	**0.0028**	**0.0013**	<0.001	**0.6106**	**0.5624**

Laboratory results for monitoring rounds after 2012 reported as separate isomers (cis and trans) on the following pages

NOTE: Please refer to last page for table notes.

TABLE 1C
WATER QUALITY SUMMARY TABLE - 2015 RESULTS FOR FORMER GMP-RELATED WELLS
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**cis-1,2-Dichloroethene**					**Shallow Wells**			**cis-1,2-Dichloroethene**					**Deep Wells**			
Round Number	Sample Date	NH AGQS = 0.07 GW-2 = NA							Surface Water WQCTS = 0.7	NH AGQS = 0.07 GW-2 = NA								
		GZ-601U	GZ-606U	GZ-610U	GZ-616U	GZ-618U	SW-6	SW-7	SW-8	GZ-4L	GZ-8L	GZ-203L	GZ-402L	GZ-503L	GZ-504L	GZ-507L	GZ-606L	GZ-610L
Laboratory results for monitoring rounds prior to 2013 reported as Total 1,2-dichloroethenes on page 4																		
73	08/13	**40.2**	**131**	**1.7**	**22.1**	**0.004**	NT	<0.001	<0.001	<0.001	<0.001	**0.2**	**0.02**	**0.001**	<0.001	<0.001	**0.1**	**0.4**
74	11/13	**97.1**	**138**	**2.14**	**9.47**	**3.2**	**0.0035**	<0.001	<0.001	**0.0016**	<0.001	**0.492**	**0.0131**	**0.0035**	**0.002**	<0.001	**0.163**	**0.0756**
75	06/14	**43.3**	**144**	**0.6**	**8.1**	**0.004**	**4.6**	**0.001**	**0.001**	**0.002**	<0.001	**0.2**	**0.01**	<0.001	<0.001	<0.001	**0.09**	**0.4**
76	08/14	**90.5**	**88.9**	**1.5**	**20.6**	**2**	NT	<0.001	<0.001	<0.001	<0.001	**0.2**	**0.01**	<0.001	**0.05**	<0.001	**0.8**	**0.5**
77	11/14	**192**	**79.1**	**10.7**	**10.2**	**2.1**	**0.06**	**0.001**	**0.001**	**0.004**	<0.001	**0.7**	**0.01**	**0.002**	**0.004**	<0.001	**2.2**	**1.2**
78	06/15	**35.0**	**23.0**	**1.6**	**12.2**	**12.3**	**0.2**	**0.001**	<0.001	<0.001	<0.001	**0.3**	**0.01**	<0.001	**0.02**	<0.001	**0.2**	**0.4**
79	08/15	**50.1**	**38.4**	**1.3**	**12.1**	**9.3**	NT	<0.001	<0.001	<0.001	<0.001	**0.3**	**0.01**	<0.001	**0.4**	<0.001	**0.5**	**0.6**

NOTE: Please refer to last page for table notes.

TABLE 1C
WATER QUALITY SUMMARY TABLE - 2015 RESULTS FOR FORMER GMP-RELATED WELLS
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**trans-1,2-Dichloroethene**				**Shallow Wells**				**trans-1,2-Dichloroethene**					**Deep Wells**			
Round Number	Sample Date	NH AGQS = 0.100 GW-2 = 0.560						Surface Water WQCTS = 0.7		NH AGQS = 0.100 GW-2 = 0.560								
		GZ-601U	GZ-606U	GZ-610U	GZ-616U	GZ-618U	SW-6	SW-7	SW-8	GZ-4L	GZ-8L	GZ-203L	GZ-402L	GZ-503L	GZ-504L	GZ-507L	GZ-606L	GZ-610L
Laboratory results for monitoring rounds prior to 2013 reported as Total 1,2-dichloroethenes on page 4																		
73	08/13	**0.2**	**0.5**	<0.1	<0.1	<0.001	NT	<0.001	<0.001	<0.001	<0.001	**0.001**	<0.001	<0.001	<0.001	<0.001	**0.002**	**0.002**
74	11/13	**0.297**	**0.416**	<0.1	<0.1	<0.1	<0.001	<0.001	<0.001	<0.001	<0.001	**0.0023**	<0.001	<0.001	<0.001	<0.001	**0.0032**	<0.001
75	06/14	**0.4**	**0.3**	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	<0.001	**0.001**	<0.001	<0.001	<0.001	<0.001	**0.002**	**0.002**
76	08/14	**0.6**	**0.2**	<0.1	<0.1	**0.03**	NT	<0.001	<0.001	<0.001	<0.001	**0.001**	<0.001	<0.001	<0.001	<0.001	**0.007**	**0.003**
77	11/14	**0.5**	**0.2**	<0.1	<0.1	**0.03**	**0.006**	<0.001	<0.001	<0.001	<0.001	**0.003**	<0.001	<0.001	<0.001	<0.001	**0.01**	**0.004**
78	06/15	**0.2**	<0.1	<0.1	**0.04**	**0.2**	**0.002**	<0.001	<0.001	<0.001	<0.001	**0.001**	<0.001	<0.001	<0.001	<0.001	**0.003**	<0.02
79	08/15	**0.4**	**0.1**	<0.1	<0.1	**0.1**	NT	<0.001	<0.001	<0.001	<0.001	**0.002**	<0.001	<0.001	**0.003**	<0.001	**0.007**	<0.02

NOTE: Please refer to last page for table notes.

TABLE 1C
WATER QUALITY SUMMARY TABLE - 2015 RESULTS FOR FORMER GMP-RELATED WELLS
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		1,2-Dichloroethane				Shallow Wells				1,2-Dichloroethane			Deep Wells					
Round Number	Sample Date	NH AGQS = 0.005 GZ-601U	GZ-606U	GZ-610U	GZ-616U	GZ-618U	SW-6	SW-7	SW-8	NH AGQS = 0.005 GZ-4L	GZ-8L	GZ-203L	GZ-402L	GZ-503L	GZ-504L	GZ-507L	GZ-606L	GZ-610L
		GW-2 = 0.050					Surface Water WQCTS = 0.00038			GW-2 = 0.050								
Start of Bioremediation Pilot Test																		
17	07/97	NI	NI	NI	NI	NI	Dry	NT	NT	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NI
18	12/97	NI	NI	NI	NI	NI	<0.02	NT	NT	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NI
19	04/98	NI	NI	NI	NI	NI	<0.001	NT	NT	<0.1	<0.001	NI	NI	NI	NI	NI	NI	NI
20	07/98	NI	NI	NI	NI	NI	Dry	NT	NT	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NI
21	11/98	NI	NI	NI	NI	NI	<0.005	NT	NT	<0.025	<0.001	NI	NI	NI	NI	NI	NI	NI
22	3,5/99	NI	NI	NI	NI	NI	Dry	NT	NT	<0.01	<0.001	NI	NI	NI	NI	NI	NI	NI
23	07/99	NI	NI	NI	NI	NI	Dry	NT	NT	<0.025	<0.001	NI	NI	NI	NI	NI	NI	NI
24	12/99	NI	NI	NI	NI	NI	<0.05	NT	NT	<0.01	<0.001	NI	NI	NI	NI	NI	NI	NI
Start of Full-Scale Bioremediation																		
25	06/00	NI	NI	NI	NI	NI	<0.01	NT	NT	<0.005	<0.001	NI	NI	NI	NI	NI	NI	NI
26	07/00	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
27	08/00	NI	NI	NI	NI	NI	Dry	NT	NT	<0.005	<0.001	NI	NI	NI	NI	NI	NI	NI
28	12/00	NI	NI	NI	NI	NI	<0.1	NT	NT	<0.005	<0.001	NI	NI	NI	NI	NI	NI	NI
29	01/01	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
30	06-07/01	NI	NI	NI	NI	NI	Dry	NT	NT	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI
31	09-10/01	NI	NI	NI	NI	NI	<0.005	NT	NT	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI
32	12/01	NI	NI	NI	NI	NI	<0.01	NT	NT	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI
33	01/02	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
34	02/02	NI	NI	NI	NI	NI	<0.005	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
35	06/02	NI	NI	NI	NI	NI	<0.005	NT	NT	<0.005	<0.001	NI	NI	NI	NI	NI	NI	NI
36	10/02	NI	NI	NI	NI	NI	<0.002	NT	NT	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI
37	01/03	NI	NI	NI	NI	NI	<0.01	NT	NT	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI
38	07/03	NI	NI	NI	NI	NI	<0.01	NT	NT	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI
39	12/03	NI	NI	NI	NI	NI	<0.01	NT	NT	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI
40	02/04	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	<0.002	NI	NI	NI	NI	NI	NI
41	06/04	NI	NI	NI	NI	NI	<0.010	NT	NT	<0.002	<0.002	<0.002	NI	NI	NI	NI	NI	NI
42	08/04	NI	NI	NI	NI	NI	<0.002	NT	NT	<0.002	<0.002	<0.005	NI	NI	NI	NI	NI	NI
43	11/04	NI	NI	NI	NI	NI	<0.02	NT	NT	<0.002	<0.002	NT	NI	NI	NI	NI	NI	NI
44	01/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	<0.002	NI	NI	NI	NI	NI
45	06/05	NI	NI	NI	NI	NI	<0.01	NT	NT	<0.002	<0.002	<0.005	NT	NI	NI	NI	NI	NI
46	08/05	NI	NI	NI	NI	NI	NT	NT	NT	<0.002	<0.002	NT	NT	NI	NI	NI	NI	NI
47	11/05	NI	NI	NI	NI	NI	<0.005	NT	NT	<0.005	<0.001	<0.002	<0.005	NI	NI	NI	NI	NI
48	12/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
49	05/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
50	06/06	NI	NI	NI	NI	NI	<0.001	NT	NT	<0.001	<0.001	NT	NT	NI	NI	NI	NI	NI
51	08/06	NI	NI	NI	NI	NI	<0.001	NT	NT	<0.001	<0.001	NT	NT	NI	NI	NI	NI	NI
52	10/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	<0.025	<0.001	<0.001	NI	NI
53	12/06	NI	NI	NI	NI	NI	<0.0025	NT	NT	<0.001	<0.001	NT	NT	NT	NT	NT	NI	NI
54	01/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001	NI	NI
55	02/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001	NI	NI
56	05/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	<0.005	NI	NI
57	07/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.0025	<0.001	NI	NI
58	08/07	<0.05	<0.05	<0.05	<0.25	<0.05	<0.05	NT	NT	<0.001	<0.001	NT	NT	NT	NT	NT	NI	NI
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	NT	NT	NT	NT	NT	<0.001	<0.001
60	11/07	NT	NT	NT	NT	NT	<0.025	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
62	08/08	NT	NT	NT	NT	NT	<0.0025	NT	NT	<0.001	<0.001	NT	NT	NT	NT	NT	NT	NT
63	11/08	NT	NT	NT	NT	NT	<0.001	NT	NT	<0.025	<0.001	NT	<0.001	NT	NT	NT	NT	NT
64	09/09	NT	NT	NT	NT	NT	<0.050	NT	NT	<0.010	<0.001	NT	NT	NT	NT	NT	NT	NT
65	11/09	NT	NT	NT	NT	NT	<0.025	NT	NT	<0.010	<0.001	NT	NT	NT	NT	NT	NT	NT
66	08/10	<0.20	<2.0	<1.0	<1.0	<0.020	NT	<0.002	<0.002	<0.005	<0.002	<0.002	<0.005	NT	NT	NT	<0.002	<0.050
67	11/10	<2.0	<1.0	<1.0	<0.50	<0.002	<0.002	<0.002	<0.002	<0.005	<0.002	<0.002	<0.005	NT	NT	NT	<0.002	<0.050
68	08/11	<0.10	<1.0	<0.10	<1.0	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.001	<0.001	NT	**0.0019**	<0.010
69	11-12/11	<0.050	<1.0	<0.10	<0.005	<0.001	<0.025	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.010
70	05/12	<1	<2.5	<0.25	<0.25	<0.1	<0.05	<0.001	<0.001	<0.01	<0.001	<0.0025	<0.01	<0.001	<0.001	<0.001	<0.001	<0.005
71	08/12	<0.1	<0.1	<0.1	<0.1	<0.001	NT	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.0011**	<0.001
72	11/12	<1	<0.001	<0.001	<0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	**0.001**	<0.001
73	08/13	**0.3**	**1**	<0.1	<0.1	**0.001**	NT	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
74	11/13	<0.1	<0.1	<0.1	<0.1	<0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
75	06/14	<0.1	<0.1	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
76	08/14	<0.1	<0.1	<0.1	<0.1	<0.01	NT	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
77	11/14	<0.1	<0.1	<0.1	<0.1	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
78	06/15	<0.1	<0.1	<0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.02
79	08/15	<0.1	<0.1	<0.1	<0.001	<0.001	NT	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

NOTE: Please refer to last page for table notes.

TABLE 1C
WATER QUALITY SUMMARY TABLE - 2015 RESULTS FOR FORMER GMP-RELATED WELLS
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		1,1-Dichloroethene				Shallow Wells				1,1-Dichloroethene			Deep Wells					
Round Number	Sample Date	NH AGQS = 0.007 GZ-601U	GZ-606U	GZ-610U	GZ-616U	GZ-618U	GW-2 = 0.630 SW-6	SW-7	Surface Water WQCTS = 0.000057 SW-8	NH AGQS = 0.007 GZ-4L	GW-2 = 0.630 GZ-8L	GZ-203L	GZ-402L	GZ-503L	GZ-504L	GZ-507L	GZ-606L	GZ-610L
Start of Bioremediation Pilot Test																		
17	07/97	NI	NI	NI	NI	NI	Dry	NT	NT	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NI
18	12/97	NI	NI	NI	NI	NI	**0.021**	NT	NT	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NI
19	04/98	NI	NI	NI	NI	NI	<0.001	NT	NT	<0.1	<0.001	NI	NI	NI	NI	NI	NI	NI
20	07/98	NI	NI	NI	NI	NI	Dry	NT	NT	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NI
21	11/98	NI	NI	NI	NI	NI	**0.12**	NT	NT	<0.025	<0.001	NI	NI	NI	NI	NI	NI	NI
22	3,5/99	NI	NI	NI	NI	NI	Dry	NT	NT	<0.01	<0.001	NI	NI	NI	NI	NI	NI	NI
23	07/99	NI	NI	NI	NI	NI	Dry	NT	NT	<0.025	<0.001	NI	NI	NI	NI	NI	NI	NI
24	12/99	NI	NI	NI	NI	NI	<0.05	NT	NT	<0.01	<0.001	NI	NI	NI	NI	NI	NI	NI
Start of Full-Scale Bioremediation																		
25	06/00	NI	NI	NI	NI	NI	<0.01	NT	NT	<0.005	<0.001	NI	NI	NI	NI	NI	NI	NI
26	07/00	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
27	08/00	NI	NI	NI	NI	NI	Dry	NT	NT	<0.005	<0.001	NI	NI	NI	NI	NI	NI	NI
28	12/00	NI	NI	NI	NI	NI	<0.1	NT	NT	<0.005	<0.001	NI	NI	NI	NI	NI	NI	NI
29	01/01	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
30	06-07/01	NI	NI	NI	NI	NI	Dry	NT	NT	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI
31	09-10/01	NI	NI	NI	NI	NI	<0.005	NT	NT	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI
32	12/01	NI	NI	NI	NI	NI	<0.01	NT	NT	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI
33	01/02	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
34	02/02	NI	NI	NI	NI	NI	<0.005	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
35	06/02	NI	NI	NI	NI	NI	<0.005	NT	NT	<0.005	<0.001	NI	NI	NI	NI	NI	NI	NI
36	10/02	NI	NI	NI	NI	NI	**0.016**	NT	NT	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI
37	01/03	NI	NI	NI	NI	NI	**0.02**	NT	NT	<0.002	<0.001	NI	NI	NI	NI	NI	NI	NI
38	07/03	NI	NI	NI	NI	NI	<0.05	NT	NT	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI
39	12/03	NI	NI	NI	NI	NI	**0.01**	NT	NT	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI
40	02/04	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	**0.006**	NI	NI	NI	NI	NI	NI
41	06/04	NI	NI	NI	NI	NI	**0.03**	NT	NT	<0.001	<0.001	**0.003**	NI	NI	NI	NI	NI	NI
42	08/04	NI	NI	NI	NI	NI	**0.003**	NT	NT	<0.001	<0.001	**0.006**	NI	NI	NI	NI	NI	NI
43	11/04	NI	NI	NI	NI	NI	<0.02	NT	NT	<0.001	<0.001	NT	NI	NI	NI	NI	NI	NI
44	01/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	<0.001	NI	NI	NI	NI	NI
45	06/05	NI	NI	NI	NI	NI	**0.02**	NT	NT	<0.001	<0.001	<0.005	NT	NI	NI	NI	NI	NI
46	08/05	NI	NI	NI	NI	NI	NT	NT	NT	<0.001	<0.001	NT	NT	NI	NI	NI	NI	NI
47	11/05	NI	NI	NI	NI	NI	<0.005	NT	NT	<0.005	<0.001	**0.003**	<0.005	NI	NI	NI	NI	NI
48	12/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
49	05/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
50	06/06	NI	NI	NI	NI	NI	<0.001	NT	NT	<0.001	<0.001	NT	NT	NI	NI	NI	NI	NI
51	08/06	NI	NI	NI	NI	NI	<0.001	NT	NT	<0.001	<0.001	NT	NT	NI	NI	NI	NI	NI
52	10/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	<0.025	<0.001	<0.001	NI	NI
53	12/06	NI	NI	NI	NI	NI	<0.001	NT	NT	<0.001	<0.001	NT	NT	NT	NT	NT	NI	NI
54	01/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001	NI	NI
55	02/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001	NI	NI
56	05/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	<0.005	NI	NI
57	07/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.0025	<0.001	NI	NI
58	08/07	**1.2**	**0.78**	**0.17**	<0.25	<0.05	<0.05	NT	NT	<0.001	<0.001	NT	NT	NT	NT	NT	NI	NI
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	NT	NT	NT	NT	NT	**0.0021**	**0.0074**
60	11/07	NT	NT	NT	NT	NT	<0.025	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
62	08/08	NT	NT	NT	NT	NT	<0.025	NT	NT	<0.001	<0.001	NT	NT	NT	NT	NT	NT	NT
63	11/08	NT	NT	NT	NT	NT	**0.01**	NT	NT	<0.025	<0.001	NT	<0.001	NT	NT	NT	NT	NT
64	09/09	NT	NT	NT	NT	NT	<0.05	NT	NT	<0.010	<0.001	NT	NT	NT	NT	NT	NT	NT
65	11/09	NT	NT	NT	NT	NT	<0.025	NT	NT	<0.010	<0.001	NT	NT	NT	NT	NT	NT	NT
66	08/10	**0.3**	<2.0	<1.0	<1.0	<0.020	NT	<0.001	<0.001	<0.005	<0.001	**0.001**	<0.005	NT	NT	NT	<0.001	<0.050
67	11/10	<2.0	<1.0	<1.0	<0.50	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	**0.003**	<0.005	NT	NT	NT	<0.001	<0.050
68	08/11	**0.17**	<1.0	**0.17**	<1.0	<0.001	**0.0012**	<0.001	<0.001	<0.005	<0.001	**0.0014**	<0.005	<0.001	<0.001	NT	<0.001	**0.013**
69	11-12/11	<0.050	<1.0	<0.10	<0.005	<0.001	<0.025	<0.001	<0.001	<0.005	<0.001	**0.0012**	<0.005	<0.001	<0.001	<0.001	<0.001	<0.010
70	05/12	<1	<2.5	<0.25	<0.25	<0.1	<0.05	<0.001	<0.001	<0.01	<0.001	<0.0025	<0.01	<0.001	<0.001	<0.001	<0.001	<0.005
71	08/12	<0.1	**0.298**	**0.405**	<0.1	**0.0056**	NT	<0.001	<0.001	<0.001	<0.001	**0.0013**	<0.001	<0.001	<0.001	<0.001	**0.0016**	**0.0016**
72	11/12	**1.62**	<1	<1	<0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	**0.0012**	**0.0045**
73	08/13	**0.4**	**0.2**	**0.1**	**0.2**	<0.001	NT	<0.001	<0.001	<0.001	<0.001	**0.002**	<0.001	<0.001	<0.001	<0.001	<0.001	**0.002**
74	11/13	**1.29**	**0.25**	**0.187**	**0.18**	<0.1	<0.001	<0.001	<0.001	<0.001	<0.001	**0.0039**	<0.001	<0.001	<0.001	<0.001	**0.0011**	<0.001
75	06/14	<0.1	**0.2**	<0.1	**0.1**	<0.001	<0.1	<0.001	<0.001	<0.001	<0.001	**0.001**	<0.001	<0.001	<0.001	<0.001	**0.001**	**0.003**
76	08/14	**0.1**	**0.2**	**0.1**	**0.2**	<0.01	NT	<0.001	<0.001	<0.001	<0.001	**0.002**	<0.001	<0.001	<0.001	<0.001	**0.004**	**0.009**
77	11/14	**1.2**	**0.2**	<0.1	**0.1**	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	**0.004**	<0.001	<0.001	<0.001	<0.001	**0.008**	**0.006**
78	06/15	<0.1	**0.2**	**0.2**	**0.2**	**0.08**	<0.001	<0.001	<0.001	<0.001	<0.001	**0.002**	<0.001	<0.001	<0.001	<0.001	**0.002**	<0.02
79	08/15	<0.1	<0.1	**0.1**	**0.5**	<0.1	NT	<0.001	<0.001	<0.001	<0.001	**0.003**	<0.001	<0.001	<0.001	<0.001	**0.003**	<0.01

NOTE: Please refer to last page for table notes.

TABLE 1C
WATER QUALITY SUMMARY TABLE - 2015 RESULTS FOR FORMER GMP-RELATED WELLS
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**1,1-Dichloroethane**				**Shallow Wells**				**1,1-Dichloroethane**				**Deep Wells**				
Round Number	Sample Date	NH AGQS = 0.081 GW-2 = 0.130					Surface Water WQCTS = NA			NH AGQS = 0.081 GW-2 = 0.130								
		GZ-601U	GZ-606U	GZ-610U	GZ-616U	GZ-618U	SW-6	SW-7	SW-8	GZ-4L	GZ-8L	GZ-203L	GZ-402L	GZ-503L	GZ-504L	GZ-507L	GZ-606L	GZ-610L
Start of Bioremediation Pilot Test																		
17	07/97	NI	NI	NI	NI	NI	Dry	NT	NT	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NI
18	12/97	NI	NI	NI	NI	NI	**0.22**	NT	NT	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NI
19	04/98	NI	NI	NI	NI	NI	**0.0056**	NT	NT	<0.1	<0.001	NI	NI	NI	NI	NI	NI	NI
20	07/98	NI	NI	NI	NI	NI	Dry	NT	NT	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NI
21	11/98	NI	NI	NI	NI	NI	**0.51**	NT	NT	<0.025	<0.001	NI	NI	NI	NI	NI	NI	NI
22	3,5/99	NI	NI	NI	NI	NI	Dry	NT	NT	**0.031**	<0.001	NI	NI	NI	NI	NI	NI	NI
23	07/99	NI	NI	NI	NI	NI	Dry	NT	NT	<0.025	<0.001	NI	NI	NI	NI	NI	NI	NI
24	12/99	NI	NI	NI	NI	NI	<0.05	NT	NT	<0.01	<0.001	NI	NI	NI	NI	NI	NI	NI
Start of Full-Scale Bioremediation																		
25	06/00	NI	NI	NI	NI	NI	<0.01	NT	NT	**0.012**	<0.001	NI	NI	NI	NI	NI	NI	NI
26	07/00	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
27	08/00	NI	NI	NI	NI	NI	Dry	NT	NT	**0.011**	<0.001	NI	NI	NI	NI	NI	NI	NI
28	12/00	NI	NI	NI	NI	NI	<0.1	NT	NT	**0.0061**	<0.001	NI	NI	NI	NI	NI	NI	NI
29	01/01	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
30	06-07/01	NI	NI	NI	NI	NI	Dry	NT	NT	**0.013**	<0.001	NI	NI	NI	NI	NI	NI	NI
31	09-10/01	NI	NI	NI	NI	NI	**0.007**	NT	NT	**0.0023**	<0.001	NI	NI	NI	NI	NI	NI	NI
32	12/01	NI	NI	NI	NI	NI	**0.01**	NT	NT	**0.0036**	<0.001	NI	NI	NI	NI	NI	NI	NI
33	01/02	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
34	02/02	NI	NI	NI	NI	NI	**0.022**	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
35	06/02	NI	NI	NI	NI	NI	**0.0069**	NT	NT	<0.005	<0.001	NI	NI	NI	NI	NI	NI	NI
36	10/02	NI	NI	NI	NI	NI	**0.03**	NT	NT	**0.007**	<0.002	NI	NI	NI	NI	NI	NI	NI
37	01/03	NI	NI	NI	NI	NI	**0.03**	NT	NT	**0.008**	<0.002	NI	NI	NI	NI	NI	NI	NI
38	07/03	NI	NI	NI	NI	NI	<0.05	NT	NT	**0.008**	<0.002	NI	NI	NI	NI	NI	NI	NI
39	12/03	NI	NI	NI	NI	NI	**0.03**	NT	NT	**0.008**	<0.002	NI	NI	NI	NI	NI	NI	NI
40	02/04	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	**0.011**	NI	NI	NI	NI	NI	NI
41	06/04	NI	NI	NI	NI	NI	**0.03**	NT	NT	**0.007**	<0.002	**0.007**	NI	NI	NI	NI	NI	NI
42	08/04	NI	NI	NI	NI	NI	**0.036**	NT	NT	**0.007**	<0.002	**0.008**	NI	NI	NI	NI	NI	NI
43	11/04	NI	NI	NI	NI	NI	**0.13**	NT	NT	**0.008**	<0.002	NT	NI	NI	NI	NI	NI	NI
44	01/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	<0.002	NI	NI	NI	NI	NI
45	06/05	NI	NI	NI	NI	NI	**0.03**	NT	NT	**0.008**	<0.002	**0.007**	NT	NI	NI	NI	NI	NI
46	08/05	NI	NI	NI	NI	NI	NT	NT	NT	**0.007**	<0.002	NT	NT	NI	NI	NI	NI	NI
47	11/05	NI	NI	NI	NI	NI	**0.067**	NT	NT	**0.0052**	<0.001	**0.005**	<0.005	NI	NI	NI	NI	NI
48	12/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
49	05/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
50	06/06	NI	NI	NI	NI	NI	<0.001	NT	NT	**0.0039**	<0.001	NT	NT	NI	NI	NI	NI	NI
51	08/06	NI	NI	NI	NI	NI	**0.13**	NT	NT	**0.0034**	<0.001	NT	NT	NI	NI	NI	NI	NI
52	10/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	<0.025	<0.001	<0.001	NI	NI
53	12/06	NI	NI	NI	NI	NI	**0.058**	NT	NT	**0.0045**	<0.001	NT	NT	NT	NT	NT	NI	NI
54	01/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001	NI	NI
55	02/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001	NI	NI
56	05/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	<0.005	NI	NI
57	07/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	**0.0013**	**0.0046**	<0.001	NI	NI
58	08/07	**1.3**	**1.9**	**0.062**	<0.25	<0.05	<0.05	NT	NT	**0.0034**	<0.001	NT	NT	NT	NT	NT	NI	NI
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	NT	NT	NT	NT	NT	**0.002**	**0.038**
60	11/07	NT	NT	NT	NT	NT	**0.069**	NT	NT	**0.0037**	NT	NT	NT	NT	NT	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
62	08/08	NT	NT	NT	NT	NT	<0.025	NT	NT	**0.0026**	<0.001	NT	NT	NT	NT	NT	NT	NT
63	11/08	NT	NT	NT	NT	NT	**0.074**	NT	NT	<0.025	<0.001	NT	<0.001	NT	NT	NT	NT	NT
64	09/09	NT	NT	NT	NT	NT	**0.064**	NT	NT	<0.01	<0.001	NT	NT	NT	NT	NT	NT	NT
65	11/09	NT	NT	NT	NT	NT	**0.095**	NT	NT	<0.01	<0.001	NT	NT	NT	NT	NT	NT	NT
66	08/10	**0.3**	<2.0	<1.0	<1.0	<0.020	NT	<0.002	<0.002	<0.005	<0.002	**0.003**	<0.005	NT	NT	NT	<0.002	<0.050
67	11/10	<2.0	**2**	<1.0	<0.50	**0.009**	<0.002	<0.002	<0.002	<0.005	<0.002	**0.005**	<0.005	NT	NT	NT	**0.005**	<0.050
68	08/11	**0.28**	**1.3**	<0.1	<1.0	**0.0013**	<0.001	<0.001	<0.001	<0.005	<0.001	**0.0034**	<0.005	<0.001	**0.0012**	NT	**0.014**	<0.010
69	11-12/11	**0.082**	<1.0	<0.1	<0.005	**0.001**	**0.12**	<0.001	<0.001	<0.005	<0.001	**0.0033**	<0.005	<0.001	<0.001	<0.001	**0.007**	<0.010
70	05/12	<1	<2.5	<0.25	<0.25	<0.1	**0.104**	<0.001	<0.001	<0.01	<0.001	**0.0038**	<0.01	<0.001	**0.0033**	<0.001	**0.0135**	<0.005
71	08/12	**0.304**	**0.163**	<0.1	<0.1	**0.0064**	NT	<0.001	<0.001	**0.0016**	<0.001	**0.0033**	<0.001	<0.001	**0.0061**	<0.001	**0.0161**	**0.0043**
72	11/12	<1	<1	<1	<0.1	**0.0015**	**0.001**	<0.001	<0.001	**0.002**	<0.001	**0.0108**	<0.001	<0.001	**0.001**	<0.001	**0.0346**	**0.0088**
73	08/13	**0.3**	**1**	<0.1	<0.1	**0.001**	NT	<0.001	<0.001	**0.002**	<0.001	**0.005**	<0.001	<0.001	<0.001	<0.001	**0.02**	**0.003**
74	11/13	**0.878**	**0.84**	<0.1	<0.1	<0.1	<0.001	<0.001	<0.001	**0.002**	<0.001	**0.0112**	<0.001	<0.001	<0.001	<0.001	**0.0266**	**0.0027**
75	06/14	**0.4**	**0.6**	<0.1	<0.1	<0.001	**0.2**	<0.001	<0.001	**0.002**	<0.001	**0.005**	<0.001	<0.001	<0.001	<0.001	**0.01**	**0.003**
76	08/14	**0.9**	**0.5**	<0.1	<0.1	**0.01**	NT	<0.001	<0.001	**0.001**	<0.001	**0.004**	<0.001	<0.001	**0.005**	<0.001	**0.04**	**0.003**
77	11/14	**1.2**	**0.6**	<0.1	<0.1	**0.04**	**0.005**	<0.001	<0.001	**0.002**	<0.001	**0.01**	<0.001	<0.001	<0.001	<0.001	**0.05**	**0.005**
78	06/15	**0.3**	**0.1**	<0.1	**0.03**	**0.03**	**0.03**	<0.001	<0.001	**0.002**	<0.001	**0.006**	<0.001	<0.001	<0.001	<0.001	**0.01**	<0.02
79	08/15	**0.5**	**0.2**	<0.1	<0.1	<0.1	NT	<0.001	<0.001	<0.001	<0.001	**0.008**	<0.001	<0.001	**0.004**	<0.001	**0.03**	<0.01

NOTE: Please refer to last page for table notes.

TABLE 1C
WATER QUALITY SUMMARY TABLE - 2015 RESULTS FOR FORMER GMP-RELATED WELLS
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		Vinyl Chloride					Shallow Wells			Vinyl Chloride					Deep Wells			
Round Number	Sample Date	NH AGQS = 0.002 GZ-601U	GZ-606U	GZ-610U	GZ-616U	GZ-618U	SW-6	SW-7	SW-8	NH AGQS = 0.002 GW-2 = 0.004 GZ-4L	GZ-8L	GZ-203L	GZ-402L	GZ-503L	GZ-504L	GZ-507L	GZ-606L	GZ-610L
		GW-2 = 0.004					Surface Water WQCTS = 0.0024											
Start of Bioremediation Pilot Test																		
17	07/97	NI	NI	NI	NI	NI	Dry	NT	NT	**0.066**	<0.001	NI	NI	NI	NI	NI	NI	NI
18	12/97	NI	NI	NI	NI	NI	**0.12**	NT	NT	**0.098**	<0.001	NI	NI	NI	NI	NI	NI	NI
19	04/98	NI	NI	NI	NI	NI	**0.014**	NT	NT	<0.1	<0.001	NI	NI	NI	NI	NI	NI	NI
20	07/98	NI	NI	NI	NI	NI	Dry	NT	NT	**0.15**	<0.001	NI	NI	NI	NI	NI	NI	NI
21	11/98	NI	NI	NI	NI	NI	**0.38**	NT	NT	<0.025	<0.001	NI	NI	NI	NI	NI	NI	NI
22	3,5/99	NI	NI	NI	NI	NI	Dry	NT	NT	**0.055**	<0.001	NI	NI	NI	NI	NI	NI	NI
23	07/99	NI	NI	NI	NI	NI	Dry	NT	NT	**0.097**	<0.001	NI	NI	NI	NI	NI	NI	NI
24	12/99	NI	NI	NI	NI	NI	<0.05	NT	NT	**0.15**	<0.001	NI	NI	NI	NI	NI	NI	NI
Start of Full-Scale Bioremediation																		
25	06/00	NI	NI	NI	NI	NI	<0.01	NT	NT	**0.079**	<0.001	NI	NI	NI	NI	NI	NI	NI
26	07/00	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
27	08/00	NI	NI	NI	NI	NI	Dry	NT	NT	**0.12**	<0.001	NI	NI	NI	NI	NI	NI	NI
28	12/00	NI	NI	NI	NI	NI	<1.0	NT	NT	**0.065**	<0.01	NI	NI	NI	NI	NI	NI	NI
29	01/01	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
30	06-07/01	NI	NI	NI	NI	NI	Dry	NT	NT	**0.048**	<0.001	NI	NI	NI	NI	NI	NI	NI
31	09-10/01	NI	NI	NI	NI	NI	**0.039**	NT	NT	**0.011**	<0.001	NI	NI	NI	NI	NI	NI	NI
32	12/01	NI	NI	NI	NI	NI	<0.01	NT	NT	**0.0036**	<0.001	NI	NI	NI	NI	NI	NI	NI
33	01/02	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
34	02/02	NI	NI	NI	NI	NI	**0.01**	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
35	06/02	NI	NI	NI	NI	NI	<0.005	NT	NT	**0.012**	<0.001	NI	NI	NI	NI	NI	NI	NI
36	10/02	NI	NI	NI	NI	NI	**0.053**	NT	NT	**0.003**	<0.002	NI	NI	NI	NI	NI	NI	NI
37	01/03	NI	NI	NI	NI	NI	**0.1**	NT	NT	**0.07**	<0.002	NI	NI	NI	NI	NI	NI	NI
38	07/03	NI	NI	NI	NI	NI	<0.3	NT	NT	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI
39	12/03	NI	NI	NI	NI	NI	**0.07**	NT	NT	**0.006**	<0.002	NI	NI	NI	NI	NI	NI	NI
40	02/04	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	**0.017**	NI	NI	NI	NI	NI	NI
41	06/04	NI	NI	NI	NI	NI	**0.24**	NT	NT	<0.002	<0.002	**0.005**	NI	NI	NI	NI	NI	NI
42	08/04	NI	NI	NI	NI	NI	**0.06**	NT	NT	**0.004**	<0.002	**0.02**	NI	NI	NI	NI	NI	NI
43	11/04	NI	NI	NI	NI	NI	**0.69**	NT	NT	**0.002**	<0.002	NT	NI	NI	NI	NI	NI	NI
44	01/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	**0.018**	NI	NI	NI	NI	NI
45	06/05	NI	NI	NI	NI	NI	**0.28**	NT	NT	**0.02**	<0.002	<0.01	NT	NI	NI	NI	NI	NI
46	08/05	NI	NI	NI	NI	NI	NT	NT	NT	<0.002	<0.002	NT	NT	NI	NI	NI	NI	NI
47	11/05	NI	NI	NI	NI	NI	**0.27**	NT	NT	**0.055**	<0.001	**0.004**	**0.012**	NI	NI	NI	NI	NI
48	12/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
49	05/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
50	06/06	NI	NI	NI	NI	NI	<0.001	NT	NT	**0.027**	<0.001	NT	NT	NI	NI	NI	NI	NI
51	08/06	NI	NI	NI	NI	NI	**0.11**	NT	NT	**0.0081**	<0.001	NT	NT	NI	NI	NI	NI	NI
52	10/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	<0.025	<0.001	<0.001	NI	NI
53	12/06	NI	NI	NI	NI	NI	**0.77**	NT	NT	**0.008**	<0.001	NT	NT	NT	NT	NT	NI	NI
54	01/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001	NI	NI
55	02/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001	NI	NI
56	05/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	<0.005	NI	NI
57	07/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.0025	<0.001	NI	NI
58	08/07	**0.12**	**2.6**	<0.05	<0.0025	<0.05	**0.23**	NT	NT	<0.001	<0.001	NT	NT	NT	NT	NT	NI	NI
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	NT	NT	NT	NT	NT	<0.001	<0.001
60	11/07	NT	NT	NT	NT	NT	**0.15**	NT	NT	**0.0016**	NT	NT	NT	NT	NT	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
62	08/08	NT	NT	NT	NT	NT	<0.025	NT	NT	**0.010**	<0.001	NT	NT	NT	NT	NT	NT	NT
63	11/08	NT	NT	NT	NT	NT	**1.1**	NT	NT	<0.025	<0.001	NT	**0.0047**	NT	NT	NT	NT	NT
64	09/09	NT	NT	NT	NT	NT	**8**	NT	NT	<0.01	<0.001	NT	NT	NT	NT	NT	NT	NT
65	11/09	NT	NT	NT	NT	NT	**0.9**	NT	NT	<0.01	<0.001	NT	NT	NT	NT	NT	NT	NT
66	08/10	<0.40	<4.0	<2.0	<2.0	**0.090**	NT	<0.002	<0.002	<0.010	<0.002	**0.010**	<0.010	NT	NT	NT	**0.002**	<0.100
67	11/10	<4.0	<2.0	<2.0	<1.0	**0.035**	**0.035**	<0.002	<0.002	**0.010**	<0.002	**0.020**	<0.010	NT	NT	NT	**0.002**	<0.100
68	08/11	**0.38**	**1.9**	<0.10	<1.0	**0.0013**	<0.001	<0.001	<0.001	<0.005	<0.001	**0.009**	<0.005	<0.001	**0.0059**	NT	**0.0066**	**0.031**
69	11-12/11	**0.12**	<1.0	<0.10	<0.005	**0.001**	**0.96**	<0.001	<0.001	**0.042**	<0.001	**0.013**	**0.005**	<0.001	<0.001	<0.001	**0.061**	**0.021**
70	05/12	<1	<2.5	<0.25	<0.25	<0.1	**1.08**	<0.001	<0.001	<0.01	<0.001	**0.0122**	<0.01	<0.001	**0.0265**	<0.001	**0.0424**	**0.0105**
71	08/12	**0.974**	**0.229**	<0.1	<0.1	**0.0347**	NT	<0.001	<0.001	<0.001	<0.001	**0.0104**	**0.0015**	<0.001	**0.0732**	<0.001	**0.0368**	**0.0404**
72	11/12	<1	**1.83**	<1	<0.1	**0.0205**	**0.0022**	<0.001	<0.001	**0.0114**	<0.001	**0.0186**	**0.0012**	<0.001	<0.001	<0.001	**0.646**	**0.0487**
73	08/13	<0.1	**1.7**	<0.1	<0.1	**0.001**	NT	<0.001	<0.001	<0.001	<0.001	**0.01**	**0.002**	<0.001	<0.001	<0.001	**0.06**	**0.03**
74	11/13	**1.16**	**1.24**	<0.1	<0.1	<0.1	<0.001	<0.001	<0.001	**0.0026**	<0.001	**0.0224**	**0.002**	<0.001	<0.001	<0.001	**0.119**	**0.0232**
75	06/14	**0.1**	**1.1**	<0.1	<0.1	<0.001	**2.3**	<0.001	<0.001	**0.003**	<0.001	**0.009**	**0.002**	<0.001	<0.001	<0.001	**0.07**	**0.02**
76	08/14	**0.8**	**0.9**	<0.1	<0.1	**0.08**	NT	<0.001	<0.001	<0.001	<0.001	**0.01**	**0.001**	<0.001	**0.02**	<0.001	**1.0**	**0.04**
77	11/14	**1.0**	**1.2**	<0.1	<0.1	**0.2**	<0.001	<0.001	<0.001	**0.004**	<0.001	**0.03**	<0.001	<0.001	<0.001	<0.001	**1.3**	**0.03**
78	06/15	<0.1	**0.3**	<0.1	**0.02**	**0.03**	**0.1**	<0.001	<0.001	<0.001	<0.001	**0.01**	**0.002**	<0.001	<0.001	<0.001	**0.3**	**0.03**
79	08/15	**0.5**	<0.1	<0.1	<0.1	<0.1	NT	<0.001	<0.001	<0.001	<0.001	**0.01**	**0.001**	<0.001	**0.006**	<0.001	**0.9**	**0.03**

NOTE: Please refer to last page for table notes.

TABLE 1C
WATER QUALITY SUMMARY TABLE - 2015 RESULTS FOR FORMER GMP-RELATED WELLS
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Methylene Chloride (Dichloromethane)**				**Shallow Wells**				**Methylene Chloride (Dichloromethane)**				**Deep Wells**				
Round	Sample	NH AGQS = 0.005		GW-2 = 24.0					Surface Water WQCTS = 0.0047	NH AGQS = 0.005		GW-2 = 24.0						
Number	Date	GZ-601U	GZ-606U	GZ-610U	GZ-616U	GZ-618U	SW-6	SW-7	SW-8	GZ-4L	GZ-8L	GZ-203L	GZ-402L	GZ-503L	GZ-504L	GZ-507L	GZ-606L	GZ-610L
Start of Bioremediation Pilot Test																		
17	07/97	NI	NI	NI	NI	NI	Dry	NT	NT	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NI
18	12/97	NI	NI	NI	NI	NI	<0.02	NT	NT	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NI
19	04/98	NI	NI	NI	NI	NI	<0.001	NT	NT	<0.1	<0.001	NI	NI	NI	NI	NI	NI	NI
20	07/98	NI	NI	NI	NI	NI	Dry	NT	NT	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NI
21	11/98	NI	NI	NI	NI	NI	<0.005	NT	NT	<0.025	<0.001	NI	NI	NI	NI	NI	NI	NI
22	3,5/99	NI	NI	NI	NI	NI	Dry	NT	NT	<0.01	<0.001	NI	NI	NI	NI	NI	NI	NI
23	07/99	NI	NI	NI	NI	NI	Dry	NT	NT	<0.025	<0.001	NI	NI	NI	NI	NI	NI	NI
24	12/99	NI	NI	NI	NI	NI	<0.05	NT	NT	<0.01	<0.001	NI	NI	NI	NI	NI	NI	NI
Start of Full-Scale Bioremediation																		
25	06/00	NI	NI	NI	NI	NI	<0.01	NT	NT	<0.005	<0.001	NI	NI	NI	NI	NI	NI	NI
26	07/00	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
27	08/00	NI	NI	NI	NI	NI	Dry	NT	NT	<0.005	**0.0010**	NI	NI	NI	NI	NI	NI	NI
28	12/00	NI	NI	NI	NI	NI	<1.0	NT	NT	<0.05	<0.01	NI	NI	NI	NI	NI	NI	NI
29	01/01	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
30	06-07/01	NI	NI	NI	NI	NI	Dry	NT	NT	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI
31	09-10/01	NI	NI	NI	NI	NI	<0.005	NT	NT	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI
32	12/01	NI	NI	NI	NI	NI	<0.01	NT	NT	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI
33	01/02	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
34	02/02	NI	NI	NI	NI	NI	<0.005	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
35	06/02	NI	NI	NI	NI	NI	<0.005	NT	NT	<0.005	<0.001	NI	NI	NI	NI	NI	NI	NI
36	10/02	NI	NI	NI	NI	NI	<0.005	NT	NT	<0.005	<0.005	NI	NI	NI	NI	NI	NI	NI
37	01/03	NI	NI	NI	NI	NI	<0.05	NT	NT	<0.01	<0.005	NI	NI	NI	NI	NI	NI	NI
38	07/03	NI	NI	NI	NI	NI	<0.3	NT	NT	<0.005	<0.005	NI	NI	NI	NI	NI	NI	NI
39	12/03	NI	NI	NI	NI	NI	<0.05	NT	NT	<0.005	<0.005	NI	NI	NI	NI	NI	NI	NI
40	02/04	NI	NI	NI	NI	NI	NT	NT	NT	<0.005	NT	<0.005	NI	NI	NI	NI	NI	NI
41	06/04	NI	NI	NI	NI	NI	<0.050	NT	NT	<0.005	<0.005	<0.005	NI	NI	NI	NI	NI	NI
42	08/04	NI	NI	NI	NI	NI	<0.005	NT	NT	<0.005	<0.005	<0.03	NI	NI	NI	NI	NI	NI
43	11/04	NI	NI	NI	NI	NI	<0.1	NT	NT	<0.005	<.005	NT	NI	NI	NI	NI	NI	NI
44	01/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	<0.005	NI	NI	NI	NI	NI
45	06/05	NI	NI	NI	NI	NI	<0.05	NT	NT	<0.005	<0.005	<0.03	NT	NI	NI	NI	NI	NI
46	08/05	NI	NI	NI	NI	NI	NT	NT	NT	<0.005	<0.005	NT	NT	NI	NI	NI	NI	NI
47	11/05	NI	NI	NI	NI	NI	<0.005	NT	NT	<0.005	<0.001	<0.002	<0.005	NI	NI	NI	NI	NI
48	12/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
49	05/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
50	06/06	NI	NI	NI	NI	NI	<0.002	NT	NT	<0.001	<0.001	NT	NT	NI	NI	NI	NI	NI
51	08/06	NI	NI	NI	NI	NI	<0.001	NT	NT	<0.001	<0.001	NT	NT	NI	NI	NI	NI	NI
52	10/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	<0.025	<0.001	<0.001	NI	NI
53	12/06	NI	NI	NI	NI	NI	<0.0025	NT	NT	<0.001	<0.001	NT	NT	NT	NT	NT	NI	NI
54	01/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001	NI	NI
55	02/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001	NI	NI
56	05/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	<0.005	NI	NI
57	07/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.0025	<0.001	NI	NI
58	08/07	<0.05	<0.05	<0.05	<0.25	<0.1	<0.05	NT	NT	<0.001	<0.001	NT	NT	NT	NT	NT	NI	NI
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.002	NT	NT	NT	NT	NT	<0.001	<0.001
60	11/07	NT	NT	NT	NT	NT	<0.050	NT	NT	<0.002	NT	NT	NT	NT	NT	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
62	08/08	NT	NT	NT	NT	NT	<0.050	NT	NT	<0.002	<0.002	NT	NT	NT	NT	NT	NT	NT
63	11/08	NT	NT	NT	NT	NT	<0.002	NT	NT	<0.050	<0.002	NT	<0.002	NT	NT	NT	NT	NT
64	09/09	NT	NT	NT	NT	NT	<0.100	NT	NT	<0.010	<0.002	NT	NT	NT	NT	NT	NT	NT
65	11/09	NT	NT	NT	NT	NT	<0.050	NT	NT	**0.022**	<0.002	NT	NT	NT	NT	NT	NT	NT
66	08/10	<1.0	<10	<5.0	<5.0	<0.10	NT	<0.005	<0.005	<0.030	<0.005	<0.005	<0.030	NT	NT	NT	<0.005	<0.300
67	11/10	<10	<5.0	<5.0	<3.0	<0.005	<0.005	<0.005	<0.005	<0.030	<0.005	<0.005	<0.030	NT	NT	NT	<0.005	<0.300
68	08/11	<0.2	<2.0	<0.2	<2.0	<0.002	<0.002	<0.002	<0.002	<0.010	<0.002	<0.002	<0.010	<0.002	<0.002	NT	<0.002	<0.020
69	11-12/11	<0.1	<2.0	<0.2	<0.010	<0.001	<0.050	<0.002	<0.002	<0.010	<0.002	<0.002	<0.010	<0.002	<0.002	<0.002	<0.002	<0.020
70	05/12	<1.0	<5	<0.5	<0.25	<0.2	<0.1	<0.002	<0.002	<0.02	<0.002	<0.005	<0.02	<0.002	<0.002	<0.002	<0.002	<0.01
71	08/12	<0.4	<0.4	<0.4	<0.4	<0.004	NT	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
72	11/12	<4	<4	<4	<0.4	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.04	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
73	08/13	<0.4	<0.4	<0.4	<0.4	<0.004	NT	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
74	11/13	<0.4	<0.4	<0.4	<0.4	<0.4	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
75	06/14	<0.4	<0.4	<0.4	<0.4	<0.004	<0.4	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
76	08/14	<0.4	<0.4	<0.4	<0.4	<0.04	NT	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
77	11/14	<0.4	<0.4	<0.4	<0.4	<0.04	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
78	06/15	<0.4	<.0.4	<0.4	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.08
79	08/15	<0.4	<0.4	<0.4	<0.004	<0.004	NT	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.04

NOTE: Please refer to last page for table notes.

TABLE 1C
WATER QUALITY SUMMARY TABLE - 2015 RESULTS FOR FORMER GMP-RELATED WELLS
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Chloroethane**				**Shallow Wells**				**Chloroethane**				**Deep Wells**				
Round	Sample	NH AGQS/GW-2 = NA					Surface Water WQCTS = NA			NH AGQS/GW-2 = NA								
Number	Date	GZ-601U	GZ-606U	GZ-610U	GZ-616U	GZ-618U	SW-6	SW-7	SW-8	GZ-4L	GZ-8L	GZ-203L	GZ-402L	GZ-503L	GZ-504L	GZ-507L	GZ-606L	GZ-610L
Start of Bioremediation Pilot Test																		
17	07/97	NI	NI	NI	NI	NI	Dry	NT	NT	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NI
18	12/97	NI	NI	NI	NI	NI	<0.02	NT	NT	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NI
19	04/98	NI	NI	NI	NI	NI	<0.001	NT	NT	<0.1	<0.001	NI	NI	NI	NI	NI	NI	NI
20	07/98	NI	NI	NI	NI	NI	Dry	NT	NT	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NI
21	11/98	NI	NI	NI	NI	NI	<0.005	NT	NT	<0.025	<0.001	NI	NI	NI	NI	NI	NI	NI
22	3,5/99	NI	NI	NI	NI	NI	Dry	NT	NT	<0.01	<0.001	NI	NI	NI	NI	NI	NI	NI
23	07/99	NI	NI	NI	NI	NI	Dry	NT	NT	**0.03**	<0.001	NI	NI	NI	NI	NI	NI	NI
24	12/99	NI	NI	NI	NI	NI	<0.05	NT	NT	**0.065**	<0.001	NI	NI	NI	NI	NI	NI	NI
Start of Full-Scale Bioremediation																		
25	06/00	NI	NI	NI	NI	NI	<0.01	NT	NT	<0.005	<0.001	NI	NI	NI	NI	NI	NI	NI
26	07/00	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
27	08/00	NI	NI	NI	NI	NI	Dry	NT	NT	<0.005	<0.001	NI	NI	NI	NI	NI	NI	NI
28	12/00	NI	NI	NI	NI	NI	<1.0	NT	NT	<0.05	<0.01	NI	NI	NI	NI	NI	NI	NI
29	01/01	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
30	06-07/01	NI	NI	NI	NI	NI	Dry	NT	NT	**0.0034**	<0.001	NI	NI	NI	NI	NI	NI	NI
31	09-10/01	NI	NI	NI	NI	NI	<0.005	NT	NT	**0.0033**	<0.001	NI	NI	NI	NI	NI	NI	NI
32	12/01	NI	NI	NI	NI	NI	<0.01	NT	NT	**0.0021**	<0.001	NI	NI	NI	NI	NI	NI	NI
33	01/02	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
34	02/02	NI	NI	NI	NI	NI	<0.005	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
35	06/02	NI	NI	NI	NI	NI	<0.005	NT	NT	<0.005	<0.001	NI	NI	NI	NI	NI	NI	NI
36	10/02	NI	NI	NI	NI	NI	<0.005	NT	NT	**0.006**	<0.005	NI	NI	NI	NI	NI	NI	NI
37	01/03	NI	NI	NI	NI	NI	<0.05	NT	NT	<0.01	<0.005	NI	NI	NI	NI	NI	NI	NI
38	07/03	NI	NI	NI	NI	NI	<0.3	NT	NT	<0.002	<0.005	NI	NI	NI	NI	NI	NI	NI
39	12/03	NI	NI	NI	NI	NI	<0.05	NT	NT	<0.005		NI	NI	NI	NI	NI	NI	NI
40	02/04	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	<0.002	NI	NI	NI	NI	NI	NI
41	06/04	NI	NI	NI	NI	NI	<0.05	NT	NT	<0.005	<0.005	<0.005	NI	NI	NI	NI	NI	NI
42	08/04	NI	NI	NI	NI	NI	<0.005	NT	NT	<0.005	<0.005	<0.03	NI	NI	NI	NI	NI	NI
43	11/04	NI	NI	NI	NI	NI	<0.1	NT	NT	<0.005	<0.005	NT	NI	NI	NI	NI	NI	NI
44	01/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	<0.005	NI	NI	NI	NI	NI
45	06/05	NI	NI	NI	NI	NI	<0.05	NT	NT	<0.005	<0.005	<0.03	NT	NI	NI	NI	NI	NI
46	08/05	NI	NI	NI	NI	NI	NT	NT	NT	**0.007**	<0.005	NT	NT	NI	NI	NI	NI	NI
47	11/05	NI	NI	NI	NI	NI	<0.005	NT	NT	<0.005	<0.001	<0.002	<0.005	NI	NI	NI	NI	NI
48	12/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
49	05/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
50	06/06	NI	NI	NI	NI	NI	<0.001	NT	NT	<0.001	<0.001	NT	NT	NI	NI	NI	NI	NI
51	08/06	NI	NI	NI	NI	NI	**0.0037**	NT	NT	<0.001	<0.001	NT	NT	NI	NI	NI	NI	NI
52	10/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	<0.025	<0.001	<0.001	NI	NI
53	12/06	NI	NI	NI	NI	NI	<0.0025	NT	NT	<0.001	<0.001	NT	NT	NT	NT	NT	NI	NI
54	01/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001	NI	NI
55	02/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001	NI	NI
56	05/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	<0.005	NI	NI
57	07/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.0025	<0.001	NI	NI
58	08/07	<0.05	<0.05	<0.05	<0.0025	<0.05	<0.05	NT	NT	<0.001	<0.001	NT	NT	NT	NT	NT	NI	NI
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	NT	NT	NT	NT	NT	<0.001	<0.001
60	11/07	NT	NT	NT	NT	NT	<0.025	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
62	08/08	NT	NT	NT	NT	NT	<0.025	NT	NT	<0.001	<0.001	NT	NT	NT	NT	NT	NT	NT
63	11/08	NT	NT	NT	NT	NT	<0.001	NT	NT	<0.025	<0.001	NT	<0.001	NT	NT	NT	NT	NT
64	09/09	NT	NT	NT	NT	NT	**0.58**	NT	NT	<0.01	<0.001	NT	NT	NT	NT	NT	NT	NT
65	11/09	NT	NT	NT	NT	NT	<0.025	NT	NT	<0.01	<0.001	NT	NT	NT	NT	NT	NT	NT
66	08/10	<1.0	<10	<5.0	<5.0	<0.10	NT	<0.005	<0.005	<0.030	<0.005	<0.005	<0.030	NT	NT	NT	**0.015**	<0.300
67	11/10	<10	<5.0	<5.0	<3.0	<0.005	<0.005	<0.005	<0.005	<0.030	<0.005	<0.005	<0.030	NT	NT	NT	**0.023**	<0.300
68	08/11	<0.10	<1.0	<0.1	<1.0	**0.001**	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.001	<0.001	NT	**0.027**	<0.010
69	11-12/11	<0.05	<1.0	<0.1	<0.005	**0.0016**	**0.094**	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	**0.003**	<0.010
70	05/12	<1	<2.5	<0.25	<0.25	<0.1	<0.05	<0.001	<0.001	<0.01	<0.001	<0.0025	<0.01	<0.001	<0.001	<0.001	**0.0105**	<0.005
71	08/12	<0.2	<0.2	<0.2	<0.2	<0.002	NT	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	**0.0126**	<0.002
72	11/12	<2	<2	<2	<0.2	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.02	<0.002	<0.002	<0.002	<0.002	**0.0086**	<0.002
73	08/13	<0.2	<0.2	<0.2	<0.2	<0.002	NT	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	**0.002**	<0.002
74	11/13	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	**0.0029**	<0.002
75	06/14	<0.2	<0.2	<0.2	<0.2	<0.002	<0.2	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
76	08/14	<0.2	<0.2	<0.2	<0.2	<0.02	NT	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	**0.002**	<0.002
77	11/14	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<0.002	<0.002	<0.002	<0.002	**0.002**	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
78	06/15	<0.2	<0.2	<0.2	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.04
79	08/15	<0.2	<0.2	<0.2	<0.002	<0.002	NT	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.02

NOTE: Please refer to last page for table notes.

TABLE 1C
WATER QUALITY SUMMARY TABLE - 2015 RESULTS FOR FORMER GMP-RELATED WELLS
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		Chloroform (Trichloromethane)				Shallow Wells				Chloroform (Trichloromethane)					Deep Wells			
Round Number	Sample Date	NH AGQS = 0.07 GZ-601U	GZ-606U	GZ-610U		GZ-618U	NH AGQS = 0.070 GW-2 = 0.070 Surface Water WQCTS = 0.0057 SW-6		SW-8	GZ-4L	GZ-8L	GZ-203L	GZ-402L	GZ-503L	GZ-504L	GZ-507L	GZ-606L	GZ-610L
Start of Bioremediation Pilot Test																		
17	07/97	NI	NI	NI	NI	NI	Dry	NT	NT	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NI
18	12/97	NI	NI	NI	NI	NI	<0.02	NT	NT	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NI
19	04/98	NI	NI	NI	NI	NI	<0.001	NT	NT	<0.1	<0.001	NI	NI	NI	NI	NI	NI	NI
20	07/98	NI	NI	NI	NI	NI	Dry	NT	NT	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NI
21	11/98	NI	NI	NI	NI	NI	<0.005	NT	NT	<0.025	<0.001	NI	NI	NI	NI	NI	NI	NI
22	3,5/99	NI	NI	NI	NI	NI	Dry	NT	NT	<0.01	<0.001	NI	NI	NI	NI	NI	NI	NI
23	07/99	NI	NI	NI	NI	NI	Dry	NT	NT	<0.025	<0.001	NI	NI	NI	NI	NI	NI	NI
24	12/99	NI	NI	NI	NI	NI	<0.05	NT	NT	<0.01	<0.001	NI	NI	NI	NI	NI	NI	NI
Start of Full-Scale Bioremediation																		
25	06/00	NI	NI	NI	NI	NI	<0.01	NT	NT	<0.005	<0.001	NI	NI	NI	NI	NI	NI	NI
26	07/00	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
27	08/00	NI	NI	NI	NI	NI	Dry	NT	NT	<0.01	<0.001	NI	NI	NI	NI	NI	NI	NI
28	12/00	NI	NI	NI	NI	NI	<0.1	NT	NT	<0.005	<0.001	NI	NI	NI	NI	NI	NI	NI
29	01/01	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
30	06-07/01	NI	NI	NI	NI	NI	Dry	NT	NT	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI
31	09-10/01	NI	NI	NI	NI	NI	<0.005	NT	NT	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI
32	12/01	NI	NI	NI	NI	NI	<0.01	NT	NT	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI
33	01/02	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
34	02/02	NI	NI	NI	NI	NI	<0.005	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
35	06/02	NI	NI	NI	NI	NI	<0.005	NT	NT	<0.005	<0.001	NI	NI	NI	NI	NI	NI	NI
36	10/02	NI	NI	NI	NI	NI	<0.002	NT	NT	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI
37	01/03	NI	NI	NI	NI	NI	<0.01	NT	NT	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI
38	07/03	NI	NI	NI	NI	NI	<0.05	NT	NT	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI
39	12/03	NI	NI	NI	NI	NI	<0.01	NT	NT	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI
40	02/04	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	<0.002	NI	NI	NI	NI	NI	NI
41	06/04	NI	NI	NI	NI	NI	<0.01	NT	NT	<0.002	<0.002	<0.002	NI	NI	NI	NI	NI	NI
42	08/04	NI	NI	NI	NI	NI	<0.002	NT	NT	<0.002	<0.002	<0.005	NI	NI	NI	NI	NI	NI
43	11/04	NI	NI	NI	NI	NI	<0.02	NT	NT	<0.002	<0.002	NT	NI	NI	NI	NI	NI	NI
44	01/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
45	06/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	<0.005	NT	NI	NI	NI	NI	NI
46	08/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
47	11/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
48	12/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
49	05/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
50	06/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
51	08/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
52	10/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
53	12/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
54	01/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
55	02/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
56	05/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
57	07/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
58	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
60	11/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
62	08/08	NT	NT	NT	NT	NT	<0.025	NT	NT	<0.001	<0.001	NT	NT	NT	NT	NT	NT	NT
63	11/08	NT	NT	NT	NT	NT	<0.001	NT	NT	<0.025	<0.001	NT	<0.001	NT	NT	NT	NT	NT
64	09/09	NT	NT	NT	NT	NT	<0.05	NT	NT	<0.01	<0.001	NT	NT	NT	NT	NT	NT	NT
65	11/09	NT	NT	NT	NT	NT	<0.025	NT	NT	<0.01	<0.001	NT	NT	NT	NT	NT	NT	NT
66	08/10	<0.20	<2.0	<1.0	<1.0	<0.020	NT	<0.002	<0.002	<0.005	<0.002	**0.003**	<0.005	NT	NT	NT	<0.002	<0.050
67	11/10	<2.0	<1.0	<1.0	<0.50	<0.002	<0.002	<0.002	<0.002	<0.005	<0.002	**0.003**	<0.005	NT	NT	NT	<0.002	<0.050
68	08/11	<0.1	<1.0	<0.10	<1.0	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	**0.0021**	<0.005	<0.001	<0.001	NT	<0.001	<0.010
69	11-12/11	<0.05	<1.0	<0.10	<0.005	<0.001	<0.025	<0.001	<0.001	<0.005	<0.001	**0.0019**	<0.005	<0.001	<0.001	<0.001	<0.001	<0.010
70	05/12	<1	<2.5	<0.25	<0.25	<0.1	<0.05	<0.001	<0.001	<0.01	<0.001	**0.0035**	<0.01	<0.001	<0.001	<0.001	<0.001	<0.005
71	08/12	<0.1	<0.1	<0.1	<0.1	<0.001	NT	<0.001	<0.001	<0.001	<0.001	**0.0059**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
72	11/12	<1	<1	<1	<0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
73	08/13	<0.1	<0.1	<0.1	<0.1	<0.001	NT	<0.001	<0.001	<0.001	<0.001	**0.004**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
74	11/13	<0.1	<0.1	<0.1	<0.1	<0.1	<0.001	<0.001	<0.001	<0.001	<0.001	**0.0025**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
75	06/14	<0.1	<0.1	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	<0.001	**0.002**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
76	08/14	<0.1	<0.1	<0.1	<0.1	<0.01	NT	<0.001	<0.001	<0.001	<0.001	**0.002**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
77	11/14	<0.1	<0.1	<0.1	<0.1	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	**0.002**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
78	06/15	<0.1	<0.1	<0.1	**0.002**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.002**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.02
79	08/15	<0.1	<0.1	<0.1	<0.1	<0.001	NT	<0.001	<0.001	<0.001	<0.001	**0.003**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01

NOTE: Please refer to last page for table notes.

TABLE 1C
WATER QUALITY SUMMARY TABLE - 2015 RESULTS FOR FORMER GMP-RELATED WELLS
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Benzene**				**Shallow Wells**				**Benzene**					**Deep Wells**				
Round Number	Sample Date	NH AGQS = 0.005 GZ-601U	GW-2 = 2.9 GZ-606U	GZ-610U	GZ-616U	GZ-618U	SW-6	Surface Water WQCTS = 0.0012 SW-7	SW-8	NH AGQS = 0.005 GZ-4L	GW-2 = 2.9 GZ-8L	GZ-203L	GZ-402L	GZ-503L	GZ-504L	GZ-507L	GZ-606L	GZ-610L
Start of Bioremediation Pilot Test																		
17	07/97	NI	NI	NI	NI	NI	Dry	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
18	12/97	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
19	04/98	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
20	07/98	NI	NI	NI	NI	NI	Dry	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
21	11/98	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
22	3,5/99	NI	NI	NI	NI	NI	Dry	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
23	07/99	NI	NI	NI	NI	NI	Dry	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
24	12/99	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
Start of Full-Scale Bioremediation																		
25	06/00	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
26	07/00	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
27	08/00	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
28	12/00	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
29	01/01	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
30	06-07/01	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
31	09-10/01	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
32	12/01	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
33	01/02	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.001	NI	NI	NI	NI	NI	NI	NI
34	02/02	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
35	06/02	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
36	10/02	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
37	01/03	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
38	07/03	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
39	12/03	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
40	02/04	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI
41	06/04	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI
42	08/04	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI
43	11/04	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI
44	01/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
45	06/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	<0.005	NT	NI	NI	NI	NI	NI
46	08/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
47	11/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
48	12/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
49	05/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
50	06/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
51	08/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
52	10/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
53	12/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
54	01/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
55	02/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
56	05/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
57	07/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
58	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
60	11/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
62	08/08	NT	NT	NT	NT	NT	<0.025	NT	NT	<0.001	<0.001	NT	NT	NT	NT	NT	NT	NT
63	11/08	NT	NT	NT	NT	NT	<0.001	NT	NT	<0.025	<0.001	NT	<0.001	NT	NT	NT	NT	NT
64	09/09	NT	NT	NT	NT	NT	<0.05	NT	NT	<0.01	<0.001	NT	NT	NT	NT	NT	NT	NT
65	11/09	NT	NT	NT	NT	NT	<0.025	NT	NT	<0.01	<0.001	NT	NT	NT	NT	NT	NT	NT
66	08/10	<0.20	<2.0	<1.0	<1.0	<0.020	NT	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	NT	NT	NT	**0.001**	<0.050
67	11/10	<2.0	<1.0	<1.0	<0.50	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	NT	NT	NT	**0.002**	<0.050
68	08/11	<0.10	<1.0	<0.10	<1.0	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.001	<0.001	NT	**0.0035**	<0.010
69	11-12/11	<0.05	<1.0	<0.10	<0.005	<0.001	<0.025	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.010
70	05/12	<1	<2.5	<0.25	<0.25	<0.1	<0.05	<0.001	<0.001	<0.01	<0.001	<0.0025	<0.01	<0.001	<0.001	<0.001	**0.0021**	<0.005
71	08/12	<0.1	<0.1	<0.1	<0.1	<0.001	NT	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.0025**	<0.001
72	11/12	<1	<1	<1	<0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	**0.0031**	**0.0022**
73	08/13	<0.1	<0.1	<0.1	<0.1	**0.001**	NT	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.002**	<0.001
74	11/13	**0.128**	<0.1	<0.1	<0.1	<0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.0021**	<0.001
75	06/14	<0.1	<0.1	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.001**	<0.001
76	08/14	<0.1	<0.1	<0.1	<0.1	<0.01	NT	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.003**	**0.001**
77	11/14	**0.1**	<0.1	<0.1	<0.1	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.004**	**0.001**
78	06/15	<0.1	<0.1	<0.1	**0.02**	**0.001**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.02
79	08/15	<0.1	<0.1	<0.1	<0.1	<0.001	NT	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.002**	<0.01

NOTE: Please refer to last page for table notes.

TABLE 1C
WATER QUALITY SUMMARY TABLE - 2015 RESULTS FOR FORMER GMP-RELATED WELLS
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Toluene**					**Shallow Wells**			**Toluene**					**Deep Wells**			
Round	Sample	NH AGQS = 1.0 GW-2 = 50						Surface Water WQCTS = 6.8		NH AGQS = 1.0 GW-2 = 50.0								
Number	Date	GZ-601U	GZ-606U	GZ-610U	GZ-616U	GZ-618U	SW-6	SW-7	SW-8	GZ-4L	GZ-8L	GZ-203L	GZ-402L	GZ-503L	GZ-504L	GZ-507L	GZ-606L	GZ-610L
Start of Bioremediation Pilot Test																		
17	07/97	NI	NI	NI	NI	NI	Dry	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
18	12/97	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
19	04/98	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
20	07/98	NI	NI	NI	NI	NI	Dry	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
21	11/98	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
22	3,5/99	NI	NI	NI	NI	NI	Dry	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
23	07/99	NI	NI	NI	NI	NI	Dry	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
24	12/99	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
Start of Full-Scale Bioremediation																		
25	06/00	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
26	07/00	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
27	08/00	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
28	12/00	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
29	01/01	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
30	06-07/01	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
31	09-10/01	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
32	12/01	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
33	01/02	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
34	02/02	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
35	06/02	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
36	10/02	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
37	01/03	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
38	07/03	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
39	12/03	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
40	02/04	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI
41	06/04	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI
42	08/04	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI
43	11/04	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI
44	01/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
45	06/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	<0.005	NT	NI	NI	NI	NI	NI
46	08/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
47	11/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
48	12/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
49	05/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
50	06/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
51	08/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
52	10/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
53	12/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
54	01/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
55	02/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
56	05/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
57	07/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
58	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
60	11/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
62	08/08	NT	NT	NT	NT	NT	<0.025	NT	NT	<0.001	<0.001	NT	NT	NT	NT	NT	NT	NT
63	11/08	NT	NT	NT	NT	NT	**0.014**	NT	NT	<0.025	<0.001	NT	<0.001	NT	NT	NT	NT	NT
64	09/09	NT	NT	NT	NT	NT	**0.18**	NT	NT	<0.01	<0.001	NT	NT	NT	NT	NT	NT	NT
65	11/09	NT	NT	NT	NT	NT	**0.044**	NT	NT	<0.01	<0.001	NT	NT	NT	NT	NT	NT	NT
66	08/10	0.5	**6**	**1**	<1.0	<0.020	NT	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	NT	NT	NT	**0.022**	**0.140**
67	11/10	**5**	**5**	**2**	**1.4**	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	NT	NT	NT	**0.016**	**0.140**
68	08/11	**0.11**	**5.5**	**0.22**	**4.7**	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.001	**0.0028**	NT	**0.048**	<0.010
69	11-12/11	<0.05	**1.6**	<0.10	<0.005	<0.001	**0.039**	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	**0.0052**	<0.010
70	05/12	**1.46**	**4.90**	**0.250**	<0.25	<0.1	**0.078**	<0.001	<0.001	<0.01	<0.001	<0.0025	<0.01	<0.001	**0.0032**	<0.001	**0.0147**	<0.005
71	08/12	**0.124**	**0.694**	**0.446**	0.243	<0.001	NT	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.0051**	<0.001	**0.0221**	**0.0054**
72	11/12	**4.09**	**2.6**	**1.11**	<0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	**0.059**	**0.0529**
73	08/13	**0.9**	**3.6**	**0.9**	**0.4**	<0.001	NT	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.01**	**0.003**
74	11/13	**4.76**	**2.04**	**0.422**	<0.1	<0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.0195**	**0.0033**
75	06/14	**0.1**	**2.5**	<0.1	**0.3**	<0.001	<0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.007**	**0.006**
76	08/14	**0.6**	**1.4**	**0.3**	**0.1**	<0.01	NT	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.001**	<0.001	**0.07**	**0.01**
77	11/14	**4.0**	**1.3**	**0.2**	**0.3**	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.09**	**0.03**
78	06/15	**1.5**	**0.7**	**0.2**	**0.3**	**0.005**	**0.007**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.01**	<0.02
79	08/15	**0.2**	**0.7**	**0.4**	**0.2**	<0.001	NT	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.006**	<0.001	**0.05**	**0.01**

NOTE: Please refer to last page for table notes.

TABLE 1C
WATER QUALITY SUMMARY TABLE - 2015 RESULTS FOR FORMER GMP-RELATED WELLS
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Ethylbenzene**				**Shallow Wells**				**Ethylbenzene**					**Deep Wells**			
Round Number	Sample Date	NH AGQS = 0.7 GW-2 = 1.5					Surface Water WQCTS = 3.10			NH AGQS = 0.7 GW-2 = 1.5								
		GZ-601U	GZ-606U	GZ-610U	GZ-616U	GZ-618U	SW-6	SW-7	SW-8	GZ-4L	GZ-8L	GZ-203L	GZ-402L	GZ-503L	GZ-504L	GZ-507L	GZ-606L	GZ-610L
Start of Bioremediation Pilot Test																		
17	07/97	NI	NI	NI	NI	NI	Dry	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
18	12/97	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
19	04/98	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
20	07/98	NI	NI	NI	NI	NI	Dry	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
21	11/98	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
22	3,5/99	NI	NI	NI	NI	NI	Dry	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
23	07/99	NI	NI	NI	NI	NI	Dry	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
24	12/99	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
Start of Full-Scale Bioremediation																		
25	06/00	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
26	07/00	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
27	08/00	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
28	12/00	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
29	01/01	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
30	06-07/01	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
31	09-10/01	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
32	12/01	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
33	01/02	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
34	02/02	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
35	06/02	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
36	10/02	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
37	01/03	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
38	07/03	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
39	12/03	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
40	02/04	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI
41	06/04	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI
42	08/04	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI
43	11/04	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI
44	01/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
45	06/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	<0.005	NT	NI	NI	NI	NI	NI
46	08/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
47	11/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
48	12/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
49	05/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
50	06/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
51	08/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
52	10/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
53	12/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
54	01/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
55	02/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
56	05/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
57	07/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
58	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
60	11/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
62	08/08	NT	NT	NT	NT	NT	<0.025	NT	NT	<0.001	<0.001	NT	NT	NT	NT	NT	NT	NT
63	11/08	NT	NT	NT	NT	NT	<0.001	NT	NT	<0.025	<0.001	NT	<0.001	NT	NT	NT	NT	NT
64	09/09	NT	NT	NT	NT	NT	<0.05	NT	NT	<0.010	<0.001	NT	NT	NT	NT	NT	NT	NT
65	11/09	NT	NT	NT	NT	NT	<0.025	NT	NT	<0.010	<0.001	NT	NT	NT	NT	NT	NT	NT
66	08/10	<0.20	<2.0	<1.0	<1.0	**0.04**	NT	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	NT	NT	NT	**0.001**	<0.050
67	11/10	<2.0	<1.0	<1.0	<0.50	**0.03**	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	NT	NT	NT	**0.003**	<0.050
68	08/11	<0.10	<1.0	<0.10	<1.0	**0.029**	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.001	<0.001	NT	**0.0067**	<0.010
69	11-12/11	<0.050	<1.0	<0.10	<0.005	**0.023**	<0.025	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	**0.0012**	<0.010
70	05/12	<1	<2.5	<0.25	<0.25	<0.1	<0.05	<0.001	<0.001	<0.01	<0.001	<0.0025	<0.01	<0.001	<0.001	<0.001	**0.0037**	<0.005
71	08/12	<0.1	<0.1	<0.1	<0.1	**0.0272**	NT	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.0013**	<0.001	**0.0038**	<0.001
72	11/12	<1	<1	<1	<0.1	**0.005**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	**0.0071**	**0.0051**
73	08/13	<0.1	**0.5**	<0.1	**0.1**	**0.05**	NT	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.005**	<0.001
74	11/13	**0.188**	**0.116**	<0.1	<0.1	<0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.0051**	<0.001
75	06/14	<0.1	**0.2**	<0.1	<0.1	**0.01**	<0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.004**	<0.001
76	08/14	<0.1	**0.1**	<0.1	<0.1	**0.02**	NT	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.02**	**0.001**
77	11/14	**0.2**	**0.2**	<0.1	<0.1	**0.03**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.03**	**0.003**
78	06/15	<0.1	<0.1	<0.1	**0.09**	**0.04**	**0.002**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.009**	<0.02
79	08/15	<0.1	<0.1	<0.1	<0.1	<0.1	NT	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.002**	<0.001	**0.02**	<0.02

NOTE: Please refer to last page for table notes.

TABLE 1C
WATER QUALITY SUMMARY TABLE - 2015 RESULTS FOR FORMER GMP-RELATED WELLS
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Total Xylenes**				**Shallow Wells**				**Total Xylenes**					**Deep Wells**			
Round	Sample	NH AGQS = 10.0 GW-2 = 17.0						Surface Water WQCTS = NA		NH AGQS = 10.0 GW-2 = 17.0								
Number	Date	GZ-601U	GZ-606U	GZ-610U	GZ-616U	GZ-618U	SW-6	SW-7	SW-8	GZ-4L	GZ-8L	GZ-203L	GZ-402L	GZ-503L	GZ-504L	GZ-507L	GZ-606L	GZ-610L
Start of Bioremediation Pilot Test																		
17	07/97	NI	NI	NI	NI	NI	Dry	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
18	12/97	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
19	04/98	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
20	07/98	NI	NI	NI	NI	NI	Dry	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
21	11/98	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
22	3,5/99	NI	NI	NI	NI	NI	Dry	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
23	07/99	NI	NI	NI	NI	NI	Dry	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
24	12/99	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
Start of Full-Scale Bioremediation																		
25	06/00	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
26	07/00	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
27	08/00	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
28	12/00	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
29	01/01	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
30	06-07/01	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
31	09-10/01	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
32	12/01	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
33	01/02	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
34	02/02	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
35	06/02	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
36	10/02	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
37	01/03	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
38	07/03	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
39	12/03	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
40	02/04	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI
41	06/04	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI
42	08/04	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI
43	11/04	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI
44	01/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
45	06/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	<0.005	NT	NI	NI	NI	NI	NI
46	08/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
47	11/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
48	12/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
49	05/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
50	06/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
51	08/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
52	10/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
53	12/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
54	01/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
55	02/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
56	05/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
57	07/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
58	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
60	11/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
62	08/08	NT	NT	NT	NT	NT	<0.075	NT	NT	<0.003	<0.003	NT	NT	NT	NT	NT	NT	NT
63	11/08	NT	NT	NT	NT	NT	**0.0024**	NT	NT	<0.075	<0.003	NT	<0.003	NT	NT	NT	NT	NT
64	09/09	NT	NT	NT	NT	NT	<0.1	NT	NT	<0.01	<0.001	NT	NT	NT	NT	NT	NT	NT
65	11/09	NT	NT	NT	NT	NT	<0.05	NT	NT	<0.01	<0.001	NT	NT	NT	NT	NT	NT	NT
66	08/10	<0.20	<2.0	<1.0	<1.0	<0.020	NT	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	NT	NT	NT	**0.007**	<0.050
67	11/10	<2.0	**1**	<1.0	**1.1**	**0.014**	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	NT	NT	NT	**0.014**	<0.050
68	08/11	<0.15	**2.5**	<0.15	**3.9**	**0.018**	<0.0015	<0.0015	<0.0015	<0.0075	<0.0015	<0.0015	<0.0075	<0.0015	<0.0015	NT	**0.035**	<0.015
69	11-12/11	<0.075	<1.5	<0.15	<0.0075	**0.0205**	<0.0375	<0.0015	<0.0015	<0.0075	<0.0015	<0.0015	<0.0075	<0.0015	<0.0015	<0.0015	**0.0056**	<0.015
70	05/12	<3	<7.5	<0.75	<0.75	<0.15	<0.075	<0.0015	<0.0015	<0.03	<0.002	<0.075	<0.03	<0.003	<0.003	<0.003	**0.0163**	<0.015
71	08/12	<0.1	<0.1	<0.1	**0.324**	**0.0133**	NT	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**0.0054**	<0.001	**0.0172**	<0.001
72	11/12	<1	<1	<1	<0.1	**0.0037**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	**0.0359**	**0.0248**
73	08/13	<0.3	**2.7**	<0.3	**0.9**	**0.03**	NT	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	**0.02**	<0.003
74	11/13	**1.1**	**0.6**	<0.2	<0.2	<0.2	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	**0.02**	<0.002
75	06/14	<0.3	**1.3**	<0.3	<0.3	<0.003	<0.3	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	**0.01**	**0.003**
76	08/14	<0.3	**0.6**	<0.3	<0.3	<0.03	NT	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	**0.07**	**0.004**
77	11/14	**1.1**	**0.9**	<0.3	**0.4**	<0.03	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	**0.1**	**0.01**
78	06/15	**0.6**	**0.3**	<0.3	**0.5**	**0.05**	**0.009**	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	**0.02**	<0.06
79	08/15	<0.3	**0.3**	<0.3	**0.4**	<0.03	NT	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	**0.008**	<0.003	**0.04**	<0.03

NOTE: Please refer to last page for table notes.

TABLE 1C
WATER QUALITY SUMMARY TABLE - 2015 RESULTS FOR FORMER GMP-RELATED WELLS
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Tert-butyl alcohol (TBA)**				**Shallow Wells**		**Tert-butyl alcohol (TBA)**				**Deep Wells**				
Round	Sample	NH AGQS = 0.040 GW-2 = NA						NH AGQS = 0.040 GW-2 = NA								
Number	Date	GZ-601U	GZ-606U	GZ-610U	GZ-618U	SW-6	SW-8	GZ-4L	GZ-8L	GZ-203L	GZ-402L	GZ-503L	GZ-504L	GZ-507L	GZ-606L	GZ-610L
62	08/08	NT	NT	NT	NT	NT	NT	<0.025	<0.025	NT	NT	NT	NT	NT	NT	NT
63	11/08	NT	NT	NT	NT	NT	NT	<0.63	<0.025	NT	**0.098**	NT	NT	NT	NT	NT
64	09/09	NT	NT	NT	NT	NT	NT	<0.25	<0.025	NT	NT	NT	NT	NT	NT	NT
65	11/09	NT	NT	NT	NT	NT	NT	<0.25	NT	NT	<0.025	NT	NT	NT	NT	NT
66	08/10	<6.0	<60	<30	<0.60	NT	<0.030	<0.20	<0.030	NT	<0.20	NT	NT	NT	<0.030	<2.0
67	11/10	<60	<30	<30	<0.030	<0.030	<0.030	<0.20	<0.030	NT	<0.20	NT	NT	NT	<0.030	<2.0
68	08/11	<2.5	<0.025	<2.5	<0.025	<0.025	<0.025	**0.31**	<0.025	NT	**0.51**	<0.025	<0.025	NT	<0.025	<0.250
69	11-12/11	<1.3	<25	<2.5	<0.025	<0.63	<0.025	**0.19**	<0.025	NT	**0.31**	<0.025	<0.025	<0.025	<0.025	<0.250
70	06/12	<25	<62.5	<6.25	<2.5	<1.25	<0.025	**0.476**	<0.025	NT	**0.609**	<0.025	<0.025	<0.025	<0.025	<0.125
71	08/12	<2.5	<2.5	<2.5	<0.025	NT	<0.025	<0.025	<0.025	NT	**0.132**	<0.025	<0.025	<0.025	<0.025	<0.025
72	11/12	<25	<25	<25	<0.025	<0.025	<0.025	<0.025	<0.025	NT	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
73	08/13	<2.5	<2.5	<2.5	<0.02	NT	<0.02	**0.1**	<0.02	NT	**0.2**	<0.02	<0.02	<0.02	<0.02	<0.02
74	11/13	<2.5	<2.5	<2.5	<2.5	<0.025	<0.025	**0.0317**	<0.025	NT	**0.141**	<0.025	<0.025	<0.025	<0.025	<0.025
75	06/14	<2.5	<2.5	<2.5	<0.02	<2.5	<0.02	**0.04**	<0.02	NT	**0.1**	<0.02	<0.02	<0.02	<0.02	<0.02
76	08/14	<2.5	<2.5	<2.5	<0.2	NT	<0.02	<0.02	<0.02	NT	**0.08**	<0.02	<0.02	<0.02	<0.02	<0.02
77	11/14	<2.5	<2.5	<2.5	<0.2	<0.02	<0.02	<0.02	<0.02	NT	**0.08**	<0.02	<0.02	<0.02	<0.02	<0.02
78	06/15	<2.5	<2.5	<2.5	<0.02	<0.02	<0.02	**0.05**	<0.02	NT	**0.1**	<0.02	<0.02	<0.02	<0.02	<0.5
79	08/15	<2.5	<2.5	<2.5	<0.02	NT	<0.02	<0.02	<0.02	NT	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02

Contaminant:		**tert-Amyl methyl ether (TAME)**				**Shallow Wells**		**tert-Amyl methyl ether (TAME)**				**Deep Wells**				
Round	Sample	NH AGQS = 0.140 GW-2 = NA						NH AGQS = 0.140 GW-2 = NA								
Number	Date	GZ-601U	GZ-606U	GZ-610U	GZ-618U	SW-6	SW-8	GZ-4L	GZ-8L	GZ-203L	GZ-402L	GZ-503L	GZ-504L	GZ-507L	GZ-606L	GZ-610L
62	08/08	NT	NT	NT	NT	NT	NT	**0.025**	<0.002	NT	NT	NT	NT	NT	NT	NT
63	11/08	NT	NT	NT	NT	NT	NT	<0.05	<0.002	NT	**0.024**	NT	NT	NT	NT	NT
64	09/09	NT	NT	NT	NT	NT	NT	**0.024**	<0.002	NT	NT	NT	NT	NT	NT	NT
65	11/09	NT	NT	NT	NT	NT	NT	<0.02	NT	NT	<0.002	NT	NT	NT	NT	NT
66	08/10	<1.0	<10	<5.0	<0.10	NT	<0.005	<0.030	<0.005	NT	<0.030	NT	NT	NT	<0.005	<0.30
67	11/10	<10	<5.0	<5.0	<0.005	<0.005	<0.005	<0.030	<0.005	NT	<0.030	NT	NT	NT	<0.005	<0.30
68	08/11	<0.2	<2.0	<0.2	<0.002	<0.002	<0.002	**0.014**	<0.002	NT	**0.013**	<0.002	<0.002	NT	<0.002	<0.020
69	11-12/11	<0.1	<2.0	<0.2	<0.002	<0.05	<0.002	**0.014**	<0.002	NT	**0.012**	<0.002	<0.002	<0.002	<0.002	<0.020
70	06/12	<2	<5	<0.5	<0.2	<0.1	<0.002	<0.02	<0.002	NT	<0.02	<0.002	<0.002	<0.002	<0.002	<0.01
71	08/12	<0.1	<0.1	<0.1	<0.001	NT	<0.001	**0.0096**	<0.001	NT	**0.0095**	<0.001	<0.001	<0.001	<0.001	<0.001
72	11/12	<1	<1	<1	<0.001	<0.001	<0.001	**0.0082**	<0.001	NT	**0.009**	<0.001	<0.001	<0.001	<0.001	<0.001
73	08/13	<0.1	<0.1	<0.1	<0.001	NT	<0.001	**0.007**	<0.001	NT	**0.006**	<0.001	<0.001	<0.001	<0.001	<0.001
74	11/13	<0.1	<0.1	<0.1	<0.1	<0.001	<0.001	**0.0066**	<0.001	NT	**0.0062**	<0.001	<0.001	<0.001	<0.001	<0.001
75	06/14	<0.1	<0.1	<0.1	<0.001	<0.1	<0.001	**0.006**	<0.001	NT	**0.006**	<0.001	<0.001	<0.001	<0.001	<0.001
76	08/14	<0.1	<0.1	<0.1	<0.01	NT	<0.001	**0.006**	<0.001	NT	**0.006**	<0.001	<0.001	<0.001	<0.001	<0.001
77	11/14	<0.1	<0.1	<0.1	<0.01	<0.001	<0.001	**0.007**	<0.001	NT	**0.005**	<0.001	<0.001	<0.001	<0.001	<0.001
78	06/15	<0.1	<0.1	<0.1	<0.001	<0.001	<0.001	**0.006**	<0.001	NT	**0.006**	<0.001	<0.001	<0.001	<0.001	<0.02
79	08/15	<0.1	<0.1	<0.1	<0.001	NT	<0.001	**0.004**	<0.001	NT	**0.004**	<0.001	<0.001	<0.001	<0.001	<0.01

NOTE: Please refer to last page for table notes.

TABLE 1C
WATER QUALITY SUMMARY TABLE - 2015 RESULTS FOR FORMER GMP-RELATED WELLS
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		Methyl-Tert-Butyl-Ether (MTBE)				Shallow Wells				Methyl-Tert-Butyl-Ether (MTBE)			Deep Wells					
Round Number	Sample Date	NH AGQS = 0.013 GW-2 = 2.6								NH AGQS = 0.013 GW-2 = 2.6								
		GZ-601U	GZ-606U	GZ-610U	GZ-616U	GZ-618U	SW-6	SW-7	SW-8	GZ-4L	GZ-8L	GZ-203L	GZ-402L	GZ-503L	GZ-504L	GZ-507L	GZ-606L	GZ-610L
62	08/08	NT	NT	NT	NT	NT	NT	NT	NT	**1.6**	<0.001	NT	NT	NT	NT	NT	NT	NT
63	11/08	NT	NT	NT	NT	NT	NT	NT	NT	**1.8**	<0.001	NT	**1.2**	NT	NT	NT	NT	NT
64	09/09	NT	NT	NT	NT	NT	NT	NT	NT	**1.5**	<0.001	NT	NT	NT	NT	NT	NT	NT
65	11/09	NT	NT	NT	NT	NT	NT	NT	NT	**1.2**	NT	NT	**0.001**	NT	NT	NT	NT	NT
66	08/10	<0.20	<2.0	<1.0	NT	<0.020	NT	NT	<0.005	**1.5**	<0.005	NT	**1.0**	NT	NT	NT	<0.005	<0.050
67	11/10	<2.0	<1.0	<1.0	NT	<0.005	<0.005	NT	<0.005	**1.3**	<0.005	NT	**1.1**	NT	NT	NT	<0.005	<0.050
68	08/11	<0.10	<1.0	<0.10	NT	<0.001	<0.001	NT	<0.001	**0.9**	<0.001	NT	**0.77**	<0.001	<0.001	NT	<0.001	<0.010
69	11-12/11	<0.05	<1.0	<0.10	NT	<0.001	<0.025	NT	<0.001	**0.83**	<0.001	NT	**0.68**	<0.001	<0.001	<0.001	<0.001	<0.010
70	06/12	<1	<2.5	<0.25	NT	<0.1	<0.05	NT	<0.001	**0.673**	<0.001	NT	**0.587**	<0.001	<0.001	<0.001	<0.001	<0.005
71	08/12	<0.1	<0.1	<0.1	NT	<0.001	NT	NT	<0.001	**0.877**	<0.001	NT	**0.713**	<0.001	<0.001	<0.001	<0.001	<0.001
72	11/12	<1	<1	<1	NT	<0.001	<0.001	NT	<0.001	**0.535**	<0.001	NT	**0.491**	<0.001	<0.001	<0.001	<0.001	<0.001
73	08/13	<0.1	<0.1	<0.1	NT	<0.001	NT	NT	<0.001	**0.8**	<0.001	NT	**0.6**	<0.001	<0.001	<0.001	<0.001	<0.001
74	11/13	<0.1	<0.1	<0.1	NT	<0.1	<0.001	NT	<0.001	**0.478**	<0.001	NT	**0.392**	<0.001	<0.001	<0.001	<0.001	<0.001
75	06/14	<0.1	<0.1	<0.1	NT	<0.001	<0.1	NT	<0.001	**0.3**	<0.001	NT	**0.3**	<0.001	<0.001	<0.001	<0.001	<0.001
76	08/14	<0.1	<0.1	<0.1	NT	<0.01	NT	NT	<0.001	**0.4**	<0.001	NT	**0.3**	<0.001	<0.001	<0.001	<0.001	<0.001
77	11/14	<0.1	<0.1	<0.1	NT	<0.01	<0.001	NT	<0.001	**0.4**	<0.001	NT	**0.4**	<0.001	<0.001	<0.001	<0.001	<0.001
78	06/15	<0.1	<0.1	<0.1	NT	<0.001	<0.001	NT	<0.001	**0.3**	<0.001	NT	**0.3**	<0.001	<0.001	<0.001	<0.001	<0.02
79	08/15	<0.1	<0.1	<0.1	NT	<0.001	NT	NT	<0.001	**0.2**	<0.001	NT	**0.2**	<0.001	<0.001	<0.001	<0.001	<0.01

NOTE: Please refer to last page for table notes.

TABLE 1C
WATER QUALITY SUMMARY TABLE - 2015 RESULTS FOR FORMER GMP-RELATED WELLS
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Methane**				**Shallow Wells**				**Methane**				**Deep Wells**				
Round	Sample	NH AGQS/GW-2 = NA								NH AGQS/GW-2 = NA								
Number	Date	GZ-601U	GZ-606U	GZ-610U	GZ-616U	GZ-618U	SW-6	SW-7	SW-8	GZ-4L	GZ-8L	GZ-203L	GZ-402L	GZ-503L	GZ-504L	GZ-507L	GZ-606L	GZ-610L
Start of Bioremediation Pilot Test																		
17	07/97	NI	NI	NI	NI	NI	NT	NT	NT	NT	**0.36**	NI	NI	NI	NI	NI	NI	NI
18	12/97	NI	NI	NI	NI	NI	NT	NT	NT	**0.8**	**0.36**	NI	NI	NI	NI	NI	NI	NI
19	04/98	NI	NI	NI	NI	NI	NT	NT	NT	**1.4**	**0.77**	NI	NI	NI	NI	NI	NI	NI
20	07/98	NI	NI	NI	NI	NI	NT	NT	NT	**0.96**	**1.1**	NI	NI	NI	NI	NI	NI	NI
21	11/98	NI	NI	NI	NI	NI	NT	NT	NT	**10**	**1.7**	NI	NI	NI	NI	NI	NI	NI
22	3,5/99	NI	NI	NI	NI	NI	NT	NT	NT	**110**	NT	NI	NI	NI	NI	NI	NI	NI
23	07/99	NI	NI	NI	NI	NI	NT	NT	NT	**110**	NT	NI	NI	NI	NI	NI	NI	NI
24	12/99	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
Start of Full-Scale Bioremediation																		
25	06/00	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
26	07/00	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
27	08/00	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
28	12/00	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
29	01/01	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
30	06-07/01	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
31	09-10/01	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
32	12/01	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
33	01/02	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
34	02/02	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
35	06/02	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
36	10/02	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
37	01/03	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
38	07/03	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
39	12/03	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
40	02/04	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI
41	06/04	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI
42	08/04	NI	NI	NI	NI	NI	NT	NT	NT	**4.4**	NT	NT	NI	NI	NI	NI	NI	NI
43	11/04	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI
44	01/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	<0.02	NI	NI	NI	NI	NI
45	06/05	NI	NI	NI	NI	NI	NT	NT	NT	**4.8**	NT	**0.04**	NT	NI	NI	NI	NI	NI
46	08/05	NI	NI	NI	NI	NI	NT	NT	NT	**0.7**	NT	NT	NT	NI	NI	NI	NI	NI
47	11/05	NI	NI	NI	NI	NI	NT	NT	NT	**5.5**	NT	NT	**0.059**	NI	NI	NI	NI	NI
48	12/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
49	05/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
50	06/06	NI	NI	NI	NI	NI	NT	NT	NT	**2.6**	NT	NT	NT	NI	NI	NI	NI	NI
51	08/06	NI	NI	NI	NI	NI	NT	NT	NT	**1.5**	NT	NT	NT	NI	NI	NI	NI	NI
52	10/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.01	NT	NI	NI
53	12/06	NI	NI	NI	NI	NI	NT	NT	NT	**3**	NT	NT	NT	NT	NT	NT	NI	NI
54	01/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
55	02/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
56	05/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
57	07/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
58	08/07	NT	NT	NT	NT	NT	NT	NT	NT	<10	NT	NT	NT	NT	NT	NT	NI	NI
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
60	11/07	NT	NT	NT	NT	NT	NT	NT	NT	**0.52**	NT	NT	NT	NT	NT	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
62	08/08	NT	NT	NT	NT	NT	NT	NT	NT	**0.28**	NT	NT	NT	NT	NT	NT	NT	NT
63	11/08	NT	NT	NT	NT	NT	NT	NT	NT	**0.51**	NT	NT	NT	NT	NT	NT	NT	NT
64	09/09	NT	NT	NT	NT	NT	NT	NT	NT	**0.098**	NT	NT	NT	NT	NT	NT	NT	NT
65	11/09	NT	NT	NT	NT	NT	NT	NT	NT	**0.14**	NT	NT	NT	NT	NT	NT	NT	NT
66	08/10	**0.03**	**4.6**	**0.24**	**0.6**	**2.2**	NT	NT	NT	**0.14**	**0.07**	**0.14**	<0.02	NT	NT	NT	**15**	**14**
67	11/10	**0.04**	**3.6**	**0.11**	**1.2**	**1.5**	NT	NT	NT	**0.08**	**0.06**	**0.20**	<0.02	NT	NT	NT	**24**	**20**
68	08/11	**0.029**	**5.1**	**0.84**	**1.9**	**3.8**	NT	NT	NT	**0.073**	**0.17**	**1.0**	<0.01	NT	NT	NT	**29**	**31**
69	11-12/11	**0.16**	**6.4**	**0.39**	<0.01	**7.2**	NT	NT	NT	**0.38**	**0.32**	**1.5**	**0.031**	NT	NT	NT	**23**	**20**
70	06/12	**0.0740**	**2.28**	**0.266**	**0.0770**	**2.26**	NT	NT	NT	**0.0530**	**0.172**	**0.491**	<0.01	**4.04**	**9.39**	**1.54**	**8.36**	**7.80**
71	08/12	**0.0328**	**4.88**	**0.152**	**0.123**	**2.12**	NT	NT	NT	**0.0576**	**0.0659**	**0.164**	**0.0048**	**7.52**	**7.37**	**2.35**	**11.8**	**13.6**
72	11/12	**0.0315**	**6.95**	**0.277**	<0.002	**0.608**	NT	NT	NT	**0.0494**	**0.088**	**0.156**	**0.0055**	**4.71**	**10.9**	**1.65**	**15.4**	**15.0**
73	08/13	**0.0311**	**5.19**	**0.0362**	**0.201**	**2.71**	NT	NT	NT	**0.0738**	**0.0812**	**0.152**	**0.0047**	**3.08**	**6.14**	**0.792**	**7.92**	**8.48**
74	11/13	**0.0358**	**3.55**	**0.214**	**0.347**	**1.87**	NT	NT	NT	**0.0408**	**0.0561**	**0.117**	**0.0036**	**6.66**	**4.97**	**0.79**	**9.43**	**8.87**
75	06/14	**0.0072**	**4.31**	**0.0574**	**0.173**	**1.5**	NT	NT	NT	**0.0425**	**0.0875**	**0.145**	**0.0057**	**1.99**	**6.13**	**0.714**	**13.7**	**7.28**
76	08/14	**0.0274**	**5.28**	**0.130**	**0.29**	**1.94**	NT	NT	NT	**0.0357**	**0.0631**	**0.0583**	**0.0057**	**3.36**	**4.14**	**0.543**	**11.5**	**7.88**
77	11/14	**0.0166**	**6.19**	**1.33**	**0.181**	**1.69**	NT	NT	NT	**0.0722**	**0.0916**	**0.106**	**0.0059**	**8.49**	**6.73**	**0.430**	**17.0**	**9.40**
78	06/15	**0.0037**	**4.62**	**0.065**	**0.146**	**1.71**	NT	NT	NT	**0.0988**	**0.0524**	**0.0527**	**0.0078**	**1.41**	**1.86**	**0.415**	**10.9**	**4.69**
79	08/15	**0.0260**	**5.12**	**0.0438**	**0.136**	**2.47**	NT	NT	NT	**0.0165**	**0.0819**	**0.0561**	**0.0053**	**1.83**	**1.90**	**0.498**	**8.53**	**4.24**

NOTE: Please refer to last page for table notes.

TABLE 1A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Ethane**																
Round	Sample	NH AGQS/GW-2 = NA																
Number	Date	GZ-601U	GZ-606U	GZ-610U	GZ-616U	GZ-618U	SW-6	SW-7	SW-8	GZ-4L	GZ-8L	GZ-203L	GZ-402L	GZ-503L	GZ-504L	GZ-507L	GZ-606L	GZ-610L
42	08/04	NI	NI	NI	NI	NI	NT	NT	NT	0.04	NT	NT	NT	NI	NT	NT	NI	NI
43	11/04	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NT	NT	NI	NI
44	01/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NT	NT	NI	NI
45	06/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	<0.02	NT	NI	NT	NT	NI	NI
46	08/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NT	NT	NI	NI
47	11/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NT	NT	NI	NI
48	12/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NT	NT	NI	NI
49	05/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NT	NT	NI	NI
50	06/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NT	NT	NI	NI
51	08/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NT	NT	NI	NI
52	10/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.01	<0.01	NI	NI
53	12/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
54	01/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
55	02/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
56	05/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
57	07/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
58	08/07	NT	NT	NT	NT	NT	NT	NT	NT	<0.1	NT	NT	NT	NT	NT	NT	NT	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
60	11/07	NT	NT	NT	NT	NT	NT	NT	NT	<0.01	NT	NT	NT	NT	NT	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
62	08/08	NT	NT	NT	NT	NT	NT	NT	NT	<0.01	NT	NT	NT	NT	NT	NT	NT	NT
63	11/08	NT	NT	NT	NT	NT	NT	NT	NT	<0.01	NT	NT	NT	NT	NT	NT	NT	NT
64	09/09	NT	NT	NT	NT	NT	NT	NT	NT	<0.01	NT	NT	NT	NT	NT	NT	NT	NT
65	11/09	NT	NT	NT	NT	NT	NT	NT	NT	<0.01	NT	NT	NT	NT	NT	NT	NT	NT
66	08/10	**<0.020**	<0.100	<0.020	<0.020	0.020	NT	NT	NT	<0.020	<0.020	<0.020	<0.02	NT	NT	NT	<0.01	<0.01
67	11/10	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
68	08/11	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
69	11-12/11	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
70	06/12	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
71	08/12	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
72	11/12	**<0.003**	**0.0466**	<0.003	<0.003	<0.003	NT	NT	NT	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	**0.2**	<0.003
73	08/13	**<0.003**	**0.0929**	<0.003	<0.003	**0.0096**	NT	NT	NT	<0.0048	<0.003	<0.003	<0.0048	<0.003	<0.003	<0.003	**0.0539**	<0.003
74	11/13	**<0.003**	**0.0328**	<0.003	<0.003	**0.0071**	NT	NT	NT	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	**0.0509**	<0.003
75	06/14	**<0.003**	**0.0782**	<0.003	<0.003	**0.0056**	NT	NT	NT	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	**0.034**	<0.003
76	08/14	**<0.003**	**0.0589**	<0.003	<0.003	**0.0059**	NT	NT	NT	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	**0.0511**	<0.003
77	11/14	**0.0061**	**0.0761**	<0.003	<0.003	**0.0050**	NT	NT	NT	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	**0.0324**	<0.003
78	06/15	**0.0072**	**0.0445**	<0.003	<0.003	**0.0091**	NT	NT	NT	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	**0.0665**	<0.003
79	08/15	**0.0749**	**0.0489**	<0.003	<0.003	**0.0122**	NT	NT	NT	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	**0.0147**	<0..003

NOTE: Please refer to last page for table notes.

TABLE 1A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT
Former Wastewater Treatment Facility Site
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Ethene**																
Round Number	Sample Date	NH AGQS/GW-2 = NA GZ-601U	GZ-606U	GZ-610U	GZ-616U	GZ-618U	SW-6	SW-7	SW-8	GZ-4L	GZ-8L	GZ-203L	GZ-402L	GZ-503L	GZ-504L	GZ-507L	GZ-606L	GZ-610L
42	08/04	NI	NI	NI	NI	NI	NT	NT	NT	0.03	NT	NT	NI	NI	NT	NT	NI	NI
43	11/04	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NI	NI	NT	NT	NI	NI
44	01/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	<0.02	NI	NT	NT	NI	NI
45	06/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	<0.02	NT	NI	NT	NT	NI	NI
46	08/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NT	NT	NI	NI
47	11/05	NI	NI	NI	NI	NI	NT	NT	NT	0.0220	NT	NT	<0.01	NI	NT	NT	NI	NI
48	12/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NT	NT	NI	NI
49	05/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NT	NT	NI	NI
50	06/06	NI	NI	NI	NI	NI	NT	NT	NT	0.0210	NT	NT	NT	NI	NT	NT	NI	NI
51	08/06	NI	NI	NI	NI	NI	NT	NT	NT	0.0130	NT	NT	NT	NI	NT	NT	NI	NI
52	10/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.01	<0.01	NI	NI
53	12/06	NI	NI	NI	NI	NI	NT	NT	NT	<0.1	NT	NT	NT	NT	NT	NT	NI	NI
54	01/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
55	02/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
56	05/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
57	07/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
58	08/07	NT	NT	NT	NT	NT	NT	NT	NT	<0.1	NT	NT	NT	NT	NT	NT	NT	NT
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
60	11/07	NT	NT	NT	NT	NT	NT	NT	NT	<0.01	NT	NT	NT	NT	NT	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
62	08/08	NT	NT	NT	NT	NT	NT	NT	NT	<0.01	NT	NT	NT	NT	NT	NT	NT	NT
63	11/08	NT	NT	NT	NT	NT	NT	NT	NT	<0.01	NT	NT	NT	NT	NT	NT	NT	NT
64	09/09	NT	NT	NT	NT	NT	NT	NT	NT	0.022	NT	NT	NT	NT	NT	NT	NT	NT
65	11/09	NT	NT	NT	NT	NT	NT	NT	NT	<0.01	NT	NT	NT	NT	NT	NT	NT	NT
66	08/10	<0.020	**0.60**	<0.020	<0.020	**0.020**	NT	NT	NT	<0.020	<0.020	<0.020	<0.02	NT	NT	NT	<0.01	<0.01
67	11/10	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
68	08/11	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
69	11-12/11	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
70	06/12	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
71	08/12	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
72	11/12	**0.0068**	**0.202**	<0.005	<0.005	<0.005	NT	NT	NT	0.0067	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.2090	0.0060
73	08/13	<0.005	**0.548**	<0.005	<0.005	<0.005	NT	NT	NT	<0.0066	<0.005	<0.005	<0.0066	<0.005	<0.005	<0.005	0.1910	0.0145
74	11/13	**0.0142**	**0.125**	<0.005	<0.005	**0.0088**	NT	NT	NT	0.0063	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.2380	0.0088
75	06/14	<0.005	**0.285**	<0.005	<0.005	<0.005	NT	NT	NT	0.0103	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.153	<0.005
76	08/14	**0.0087**	**0.173**	<0.005	<0.005	**0.0197**	NT	NT	NT	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.4100	0.0101
77	11/14	**0.0175**	**0.218**	<0.005	<0.005	**0.0217**	NT	NT	NT	0.0089	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.4200	0.0094
78	06/15	**0.0072**	**0.069**	<0.005	<0.005	**0.0115**	NT	NT	NT	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	**0.124**	0.0116
79	08/15	**0.0844**	**0.0508**	<0.005	<0.005	**0.0073**	NT	NT	NT	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	**0.289**	<0.005

NOTE: Please refer to last page for table notes.

TABLE 1C
WATER QUALITY SUMMARY TABLE - 2015 RESULTS FOR FORMER GMP-RELATED WELLS
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Total Organic Carbon (TOC), Sample Round No. 13,**						**Shallow Wells**		**Total Organic Carbon (TOC), Sample Round No. 13,**						**Deep Wells**		
		Chemical Oxygen Demand (COD), Subsequent Sample Rounds until Round No. 43. Data for that round respectively reflect COD and TOC concentrations.								**Chemical Oxygen Demand (COD), Subsequent Sample Rounds until Round No. 43. Data for that round respectively reflect COD and TOC concentrations.**								
Round Number	Sample Date	NH AGQS/GW-2 = NA								NH AGQS/GW-2 = NA								
		GZ-601U	GZ-606U	GZ-610U	GZ-616U	GZ-618U	SW-6	SW-7	SW-8	GZ-4L	GZ-8L	GZ-203L	GZ-402L	GZ-503L	GZ-504L	GZ-507L	GZ-606L	GZ-610L
Start of Bioremediation Pilot Test																		
17	07/97	NI	NI	NI	NI	NI	NT	NT	NT	NT	<5	NI	NI	NI	NI	NI	NI	NI
18	12/97	NI	NI	NI	NI	NI	NT	NT	NT	**149**	**1,500**	NI	NI	NI	NI	NI	NI	NI
19	04/98	NI	NI	NI	NI	NI	NT	NT	NT	<5	<5	NI	NI	NI	NI	NI	NI	NI
20	07/98	NI	NI	NI	NI	NI	NT	NT	NT	**98**	**490**	NI	NI	NI	NI	NI	NI	NI
21	11/98	NI	NI	NI	NI	NI	NT	NT	NT	**2,900**	**14**	NI	NI	NI	NI	NI	NI	NI
22	03/99	NI	NI	NI	NI	NI	NT	NT	NT	**1,600**	<5	NI	NI	NI	NI	NI	NI	NI
23	07/99	NI	NI	NI	NI	NI	NT	NT	NT	**218**	<5	NI	NI	NI	NI	NI	NI	NI
24	12/99	NI	NI	NI	NI	NI	NT	NT	NT	**145**	NT	NI	NI	NI	NI	NI	NI	NI
Start of Full-Scale Bioremediation																		
25	06/00	NI	NI	NI	NI	NI	NT	NT	NT	**32**	NT	NI	NI	NI	NI	NI	NI	NI
26	07/00	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
27	08/00	NI	NI	NI	NI	NI	NT	NT	NT	**9,200**	**130**	NI	NI	NI	NI	NI	NI	NI
28	12/00	NI	NI	NI	NI	NI	NT	NT	NT	**6,600**	**110**	NI	NI	NI	NI	NI	NI	NI
29	01/01	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
30	06-07/01	NI	NI	NI	NI	NI	NT	NT	NT	**1,600**	**93**	NI	NI	NI	NI	NI	NI	NI
31	09-10/01	NI	NI	NI	NI	NI	NT	NT	NT	**356**	<4	NI	NI	NI	NI	NI	NI	NI
32	12/01	NI	NI	NI	NI	NI	NT	NT	NT	**530**	<4	NI	NI	NI	NI	NI	NI	NI
33	01/02	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
34	02/02	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
35	06/02	NI	NI	NI	NI	NI	NT	NT	NT	**170**	<4	NI	NI	NI	NI	NI	NI	NI
36	10/02	NI	NI	NI	NI	NI	NT	NT	NT	**50**	**90**	NI	NI	NI	NI	NI	NI	NI
37	01/03	NI	NI	NI	NI	NI	NT	NT	NT	**30**	**20**	NI	NI	NI	NI	NI	NI	NI
38	07/03	NI	NI	NI	NI	NI	NT	NT	NT	**50**	<10	NI	NI	NI	NI	NI	NI	NI
39	12/03	NI	NI	NI	NI	NI	NT	NT	NT	**20**	<10	NI	NI	NI	NI	NI	NI	NI
40	02/04	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI
41	06/04	NI	NI	NI	NI	NI	NT	NT	NT	**20**	NT	**10**	NI	NI	NI	NI	NI	NI
42	08/04	NI	NI	NI	NI	NI	NT	NT	NT	<10	<10	<10	NI	NI	NI	NI	NI	NI
43	11/04	NI	NI	NI	NI	NI	NT	NT	NT	**40 / 2.7**	**10 / 1.9**	NT	NI	NI	NI	NI	NI	NI
44	01/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	**2**	NI	NI	NI	NI	NI
45	06/05	NI	NI	NI	NI	NI	NT	NT	NT	**10.0 / 3.0**	<10 / **2**	**3**	NT	NI	NI	NI	NI	NI
46	08/05	NI	NI	NI	NI	NI	NT	NT	NT	**10.0 / 2**	<10 / **2**	NT	NT	NI	NI	NI	NI	NI
47	11/05	NI	NI	NI	NI	NI	NT	NT	NT	**18** / <5	<4/<5	NT	<5	NI	NI	NI	NI	NI
48	12/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
49	05/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
50	06/06	NI	NI	NI	NI	NI	NT	NT	NT	**9.7 / 5.1**	<5/<4	NT	NT	NI	NI	NI	NI	NI
51	08/06	NI	NI	NI	NI	NI	NT	NT	NT	**22**/<5	<4/<5	NT	NT	NI	NI	NI	NI	NI
52	10/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	<5	<5	<5	NI	NI
53	12/06	NI	NI	NI	NI	NI	NT	NT	NT	**38/5.4**	<4.0/**12**	NT	NT	NT	NT	NT	NI	NI
54	01/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	**1,800**	**3,800**	**1,800**	NI	NI
55	02/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	**1,800**	**4,200**	**2,900**	NI	NI
56	05/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	**370**	**2,400**	**2,000**	NI	NI
57	07/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	**630**	**2,500**	**1,300**	NI	NI
58	08/07	NT	NT	NT	NT	NT	NT	NT	NT	**24**/<5	<10/<5	NT	NT	NT	NT	NT	NI	NI
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	<10/<5	NT	NT	NT	NT	NT	NT	NT
60	11/07	NT	NT	NT	NT	NT	NT	NT	NT	**13/25**	NT	NT	NT	NT	NT	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
62	08/08	NT	NT	NT	NT	NT	NT	NT	NT	**56 / 8**	<10 / **7**	NT	NT	NT	NT	NT	NT	NT
63	11/08	NT	NT	NT	NT	NT	NT	NT	NT	**28** / <5	<10 / <5	NT	NT	NT	NT	NT	NT	NT
64	09/09	NT	NT	NT	NT	NT	NT	NT	NT	**24 / 5**	**21** / <5	NT	NT	NT	NT	NT	NT	NT
65	11/09	NT	NT	NT	NT	NT	NT	NT	NT	**22** / <5	<10 / <5	NT	NT	NT	NT	NT	NT	NT
66	08/10	**66 / 17**	**380 / 93**	**36 / 8.4**	**68 / 22**	**180 / 30**	NT	<10	**13**	**11 / 2**	<10 / **1.7**	<10 / **1.7**	<10 / **1.6**	NT	NT	NT	**120 / 52**	**24 / 7**
67	11/10	**170 / 47**	**280 / 74**	**55 / 11**	**37 / 15**	**79 / 25**	**150**	**19**	**18**	**19 / 1.3**	<10 / 1.3	<10 / **1.6**	<10 / **1.3**	NT	NT	NT	**27 / 4.5**	**24 / 6**
68	08/11	**110 / 22**	**320 / 59**	**98 / 32**	**110 / 21**	**134 / 52**	**82**	**49**	**55**	**54 / 20**	**21** / <5.0	**29 / 19**	**45** / <5.0	NT	NT	NT	**67 / 15**	**50** / <5.0
69	11-12/11	**39 / 13**	**214 / 42**	**16 / 6.6**	**36 / 32**	**72 / 23**	**172**	**14**	**14**	<10 / <5.0	<10 / <5.0	<10 / <5.0	<10 / <5.0	**23** (TOC)	**14** (TOC)	**5.9** (TOC)	<10 / <5.0	<10 / <5.0
70	06/12	**83 / 21**	**253 / 27**	**38 / 19**	**36 / 120**	**84 / 12**	**149**	**12**	<10	<10 / <1.0	<10 / <1	<10 / <1	<10 / <1.0	**13 / 1.3**	**16** / <1	<10 / **1.3**	<10 / **2.0**	<10 / **2.1**
71	08/12	**92 / 35**	**187 / 36**	**55 / 10**	**90 / 18**	**74** / <5	NT	<10	<10	<10 / <5	<10 / <5	<10 / <5	**12** / <5	**21** / <5	**15** / <5	**11** / <5	**20** / <5	**16** / <5
72	11/12	**242 / 34**	**287 / 62**	**95 / 28**	**19 / 10**	**40 / 19**	**67**	<10	<10	<10 / **1.7**	<10 / **2.2**	<10 / **1.8**	<10 / **1.6**	<10 / **2.9**	<10 / **3.2**	<10 / **2.6**	**12 / 6.3**	<10 / **3.2**
73	08/13	**126 / 21**	**318 / 37**	**89 / 5.7**	**80 / 65**	**97 / 25**	NT	**15**	<10	**15 / 1.8**	<10 / **2.6**	<10 / **2.1**	**13 / 1.6**	**25 / 4**	**22 / 4**	**25 / 4.7**	**17 / 3**	**25 / 5.2**
74	11/13	**316 / 56**	**244 / 36**	**23 / 6.5**	**244 / 46**	**88 / 20**	**249**	<10	**32**	<10 / **2.3**	<10 / **2.5**	<10 / **2.3**	<10 / **2**	**38 / 11**	<10 / **3.1**	<10 / **8.6**	<10 / **3.4**	<10 / **3.2**
75	06/14	**77 / 14.9**	**141 / 20.8**	**19 / 5.5**	**225 / 23.8**	**47 / 14.6**	**291**	**34**	**46**	**13 / 1.5**	**13 / 2.1**	<10 / **2.5**	<10 / **1.4**	**16 / 6.2**	**19 / 8.7**	<10 / **4.2**	**13 / 3.2**	**12 / 3.1**
76	08/14	**217 / 42**	**171 / 21**	**32 / 5.4**	**493 / 210**	**77 / 20**	NT	**10**	**20**	**15 / 2.3**	<10 / **2.8**	<10 / **2**	<10 / **2**	**20 / 5.5**	<10 / **3.5**	<10 / **19**	**26 / 5.8**	<10 / **3.3**
77	11/14	**2,020 / 280**	**148 / 21**	**59 / 15**	**61 / 20**	**63 / 25**	**126**	<10	**11**	<10 / **1.6**	<10 / **2.4**	<10 / **1.8**	<10 / **1.4**	**20 / 7.1**	**49 / 19**	**11 / 5.0**	**19 / 3.6**	**18 / 3.4**
78	06/15	**137 / 28**	**114 / 27**	**29 / 5.8**	**68 / 19**	**65 / 18**	**92**	**31**	**35**	**12 / 1.6**	**12 /2.6**	<10 / **2.7**	**15 / 2.0**	**21 / 4.7**	**26 / 4.4**	**13 / 2.9**	**36 / 3.3**	**13 / 2.6**
79	08/15	**117 / 23.4**	**108 / 26.3**	<10 / **5.7**	**120 / 72.1**	**80 / 42.1**	NT	**24**	**24**	**15 / 9.7**	<10 / **13.6**	**13 / 11.1**	**12 / 4.9**	**16 / 61.7**	**21 / 23.4**	**10 / 9.6**	**21 / 4.3**	<10 / **2.7**

NOTE: Please refer to last page for table notes.

TABLE 1C
WATER QUALITY SUMMARY TABLE - 2015 RESULTS FOR FORMER GMP-RELATED WELLS
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Nitrate**				**Shallow Wells**				**Nitrate**					**Deep Wells**			
Round	Sample	NH AGQS = 10 GW-2 = NA								NH AGQS = 10 GW-2 = NA								
Number	Date	GZ-601U	GZ-606U	GZ-610U	GZ-616U	GZ-618U	SW-6	SW-7	SW-8	GZ-4L	GZ-8L	GZ-203L	GZ-402L	GZ-503L	GZ-504L	GZ-507L	GZ-606L	GZ-610L
Start of Bioremediation Pilot Test																		
17	07/97	NI	NI	NI	NI	NI	NT	NT	NT	NT	<0.05	NI	NI	NI	NI	NI	NI	NI
18	12/97	NI	NI	NI	NI	NI	NT	NT	NT	**0.0405**	**0.313**	NI	NI	NI	NI	NI	NI	NI
19	04/98	NI	NI	NI	NI	NI	NT	NT	NT	<0.05	<0.05	NI	NI	NI	NI	NI	NI	NI
20	07/98	NI	NI	NI	NI	NI	NT	NT	NT	<0.05	<0.05	NI	NI	NI	NI	NI	NI	NI
21	11/98	NI	NI	NI	NI	NI	NT	NT	NT	<0.05	<0.05	NI	NI	NI	NI	NI	NI	NI
22	3,5/99	NI	NI	NI	NI	NI	NT	NT	NT	**0.28**	NT	NI	NI	NI	NI	NI	NI	NI
23	07/99	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
24	12/99	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
Start of Full-Scale Bioremediation																		
25	06/00	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
26	07/00	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
27	08/00	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
28	12/00	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
29	01/01	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
30	06-07/01	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
31	09-10/01	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
32	12/01	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
33	01/02	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
34	02/02	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
35	06/02	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
36	10/02	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
37	01/03	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
38	07/03	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
39	12/03	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
40	02/04	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI
41	06/04	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI
42	08/04	NI	NI	NI	NI	NI	NT	NT	NT	<0.5	NT	NT	NI	NI	NI	NI	NI	NI
43	11/04	NI	NI	NI	NI	NI	NT	NT	NT	<0.5	<0.5	NT	NI	NI	NI	NI	NI	NI
44	01/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	<0.5	NI	NI	NI	NI	NI
45	06/05	NI	NI	NI	NI	NI	NT	NT	NT	<0.5	NT	**3.5**	NT	NI	NI	NI	NI	NI
46	08/05	NI	NI	NI	NI	NI	NT	NT	NT	<0.5	NT	NT	NT	NI	NI	NI	NI	NI
47	11/05	NI	NI	NI	NI	NI	NT	NT	NT	**2**	NT	NT	**0.08**	NI	NI	NI	NI	NI
48	12/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
49	05/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
50	06/06	NI	NI	NI	NI	NI	NT	NT	NT	<0.025	NT	NT	NT	NI	NI	NI	NI	NI
51	08/06	NI	NI	NI	NI	NI	NT	NT	NT	<0.025	NT	NT	NT	NI	NI	NI	NI	NI
52	10/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	**0.049**	NT	NI	NI
53	12/06	NI	NI	NI	NI	NI	NT	NT	NT	<0.1	NT	NT	NT	NT	NT	NT	NI	NI
54	01/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
55	02/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
56	05/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
57	07/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
58	08/07	NT	NT	NT	NT	NT	NT	NT	NT	<0.05	NT	NT	NT	NT	NT	NT	NI	NI
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
60	11/07	NT	NT	NT	NT	NT	NT	NT	NT	**0.078**	NT	NT	NT	NT	NT	NT	NI	NI
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
62	08/08	NT	NT	NT	NT	NT	NT	NT	NT	**0.15**	NT	NT	NT	NT	NT	NT	NT	NT
63	11/08	NT	NT	NT	NT	NT	NT	NT	NT	**0.075**	NT	NT	NT	NT	NT	NT	NT	NT
64	09/09	NT	NT	NT	NT	NT	NT	NT	NT	<0.1	NT	NT	NT	NT	NT	NT	NT	NT
65	11/09	NT	NT	NT	NT	NT	NT	NT	NT	<0.02	NT	NT	NT	NT	NT	NT	NT	NT
66	08/10	<0.5	<0.5	<0.5	<0.5	<0.5	NT	NT	NT	<0.5	<0.5	**1.3**	<0.5	NT	NT	NT	<0.5	<0.5
67	11/10	**1.1**	<0.5	<0.5	**1.3**	<0.5	NT	NT	NT	<0.5	<0.5	**1.3**	<0.5	NT	NT	NT	<0.5	<0.5
68	08/11	**0.41**	<0.2	<0.2	**0.88**	<0.2	NT	NT	NT	<0.2	<0.2	**1.5**	<0.2	NT	NT	NT	<0.2	<0.2
69	11-12/11	**2.1**	<0.2	<0.2	**2.8**	<0.2	NT	NT	NT	<0.2	<0.2	**1.0**	<0.2	NT	NT	NT	<0.2	<0.2
70	06/12	<0.2	<0.2	<0.2	**2.7**	<0.2	NT	NT	NT	<0.2	<0.2	**1.7**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
71	8/12	<0.21	<0.21	<0.03	**0.195**	<0.03	NT	NT	NT	<0.03	<0.21	**1.79**	<0.03	<0.03	<0.21	<0.21	<0.03	<0.03
72	11/12	<0.03	**0.041**	<0.21	**5.85**	<0.03	NT	NT	NT	<0.21	**3.97**	**1.25**	**0.03**	<0.21	<0.21	<0.21	<0.21	<0.21
73	08/13	**0.787**	<0.03	**0.033**	**1.24**	<0.03	NT	NT	NT	<0.03	**0.034**	**2.22**	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
74	11/13	<0.03	<0.03	<0.03	<0.03	<0.03	NT	NT	NT	<0.03	<0.03	**1.91**	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
75	06/14	**4.43**	<0.03	**0.238**	**0.997**	**0.032**	NT	NT	NT	<0.03	<0.03	**3.35**	<0.03	<0.03	<0.03	**0.092**	<0.03	<0.03
76	08/14	<0.03	<0.03	**0.033**	<0.03	<0.03	NT	NT	NT	<0.03	<0.03	**3.77**	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
77	11/14	<0.5	<0.5	<0.5	**1.8**	<0.5	NT	NT	NT	<0.5	<0.5	**2.9**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
78	06/15	**0.929**	<0.03	**0.095**	**0.547**	<0.03	NT	NT	NT	<0.03	**0.042**	**4.01**	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
79	08/15	<0.03	<0.03	<0.03	<0.03	<0.03	NT	NT	NT	<0.03	<0.03	**4.45**	**0.034**	<0.03	<0.03	<0.03	<0.03	<0.03

NOTE: Please refer to last page for table notes.

TABLE 1C
WATER QUALITY SUMMARY TABLE - 2015 RESULTS FOR FORMER GMP-RELATED WELLS
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Sulfate**				**Shallow Wells**				**Sulfate**					**Deep Wells**			
Round	Sample	NH AGQS = 500 GW-2 = NA								NH AGQS = 500 GW-2 = NA								
Number	Date	GZ-601U	GZ-606U	GZ-610U	GZ-616U	GZ-618U	SW-6	SW-7	SW-8	GZ-4L	GZ-8L	GZ-203L	GZ-402L	GZ-503L	GZ-504L	GZ-507L	GZ-606L	GZ-610L
Start of Bioremediation Pilot Test																		
17	07/97	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
18	12/97	NI	NI	NI	NI	NI	NT	NT	NT	**50.7**	**13.6**	NI	NI	NI	NI	NI	NI	NI
19	04/98	NI	NI	NI	NI	NI	NT	NT	NT	**51**	<10	NI	NI	NI	NI	NI	NI	NI
20	07/98	NI	NI	NI	NI	NI	NT	NT	NT	**53**	**16**	NI	NI	NI	NI	NI	NI	NI
21	11/98	NI	NI	NI	NI	NI	NT	NT	NT	<10	**18**	NI	NI	NI	NI	NI	NI	NI
22	3,5/99	NI	NI	NI	NI	NI	NT	NT	NT	<10	NT	NI	NI	NI	NI	NI	NI	NI
23	07/99	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
24	12/99	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
Start of Full-Scale Bioremediation																		
25	06/00	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
26	07/00	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
27	08/00	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
28	12/00	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
29	01/01	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
30	06-07/01	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
31	09-10/01	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
32	12/01	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
33	01/02	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
34	02/02	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
35	06/02	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
36	10/02	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
37	01/03	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
38	07/03	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
39	12/03	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
40	02/04	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI
41	06/04	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI
42	08/04	NI	NI	NI	NI	NI	NT	NT	NT	**31**	NT	NT	NI	NI	NI	NI	NI	NI
43	11/04	NI	NI	NI	NI	NI	NT	NT	NT	**31**	NT	NT	NI	NI	NI	NI	NI	NI
44	01/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	**41**	NI	NI	NI	NI	NI
45	06/05	NI	NI	NI	NI	NI	NT	NT	NT	**33**	NT	**38**	NT	NI	NI	NI	NI	NI
46	08/05	NI	NI	NI	NI	NI	NT	NT	NT	**33**	NT	NT	NT	NI	NI	NI	NI	NI
47	11/05	NI	NI	NI	NI	NI	NT	NT	NT	**34**	NT	NT	**34**	NI	NI	NI	NI	NI
48	12/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
49	05/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
50	06/06	NI	NI	NI	NI	NI	NT	NT	NT	**27**	NT	NT	NT	NI	NI	NI	NI	NI
51	08/06	NI	NI	NI	NI	NI	NT	NT	NT	**37**	NT	NT	NT	NI	NI	NI	NI	NI
52	10/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	**32**	NT	NI	NI
53	12/06	NI	NI	NI	NI	NI	NT	NT	NT	**29**	NT	NT	NT	NT	NT	NT	NI	NI
54	01/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
55	02/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
56	05/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
57	07/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
58	08/07	NT	NT	NT	NT	NT	NT	NT	NT	**26**	NT	NT	NT	NT	NT	NT	NI	NI
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
60	11/07	NT	NT	NT	NT	NT	NT	NT	NT	**25**	NT	NT	NT	NT	NT	NT	NI	NI
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
62	08/08	NT	NT	NT	NT	NT	NT	NT	NT	**27**	NT	NT	NT	NT	NT	NT	NT	NT
63	11/08	NT	NT	NT	NT	NT	NT	NT	NT	**34**	NT	NT	NT	NT	NT	NT	NT	NT
64	09/09	NT	NT	NT	NT	NT	NT	NT	NT	**27**	NT	NT	NT	NT	NT	NT	NT	NT
65	11/09	NT	NT	NT	NT	NT	NT	NT	NT	**29**	NT	NT	NT	NT	NT	NT	NT	NT
66	08/10	**50**	**16**	**34**	**19**	**45**	NT	NT	NT	**31**	**23**	**29**	**39**	NT	NT	NT	<1	**13**
67	11/10	**89**	**11**	**32**	**17**	**28**	NT	NT	NT	**31**	**21**	**26**	**38**	NT	NT	NT	**1**	**11**
68	08/11	**42**	**28**	**24**	**18**	**52**	NT	NT	NT	**29**	**22**	**25**	**35**	NT	NT	NT	<0.6	**14**
69	11-12/11	**28**	**16**	**26**	**4.2**	**69**	NT	NT	NT	**30**	**25**	**28**	**34**	NT	NT	NT	**8.8**	**19**
70	06/12	**81.8**	**22.3**	**21.2**	**12.9**	**27.3**	NT	NT	NT	**27.6**	**26.2**	**25.3**	**34.8**	**37.4**	**8.6**	**17.0**	**4.5**	**18.3**
71	8/12	**29.3**	**13.4**	**24.4**	**24.1**	**37.1**	NT	NT	NT	**11.8**	**31.5**	**27.3**	**38.0**	**41.3**	**28.7**	**23.0**	**64.3**	**63.0**
72	11/12	**59.3**	<5.0	**17.6**	**9.66**	**17.7**	NT	NT	NT	**24.5**	**24.8**	**18.8**	**28.9**	**26.4**	<25	**17.3**	**25.1**	<25
73	08/13	**71.6**	**9.14**	**12.4**	**16**	**23.6**	NT	NT	NT	**26.3**	**19.3**	**25.4**	**28.8**	**27.5**	**10.8**	**18.7**	**12.9**	**28.3**
74	11/13	**63.2**	**11.3**	**14.3**	**21.5**	**29.2**	NT	NT	NT	**25.9**	**22**	**24.1**	**36.1**	**35.6**	**7.35**	**22**	**9.52**	**18.8**
75	06/14	**48.5**	**18.6**	**13.3**	**8.05**	**49.3**	NT	NT	NT	**29.9**	**23**	**22.5**	**29.8**	**34.1**	**13.1**	**16.4**	**16.5**	**22.6**
76	08/14	**67.7**	**18.0**	**18.0**	**27.5**	**35.9**	NT	NT	NT	**31.9**	**22.8**	**27.3**	**38.5**	**33.2**	**25.6**	**28.9**	**13.2**	**25.4**
77	11/14	**69.5**	**15.3**	**24.6**	**24.1**	**28.2**	NT	NT	NT	**32.3**	**23.4**	**27.7**	**45.4**	**20.6**	**25.0**	**27.6**	**7.8**	**23.0**
78	06/15	**54.5**	**15.9**	**23.9**	**14.9**	**57.4**	NT	NT	NT	**42.0**	**21.8**	**26.7**	**45.5**	**36.8**	**27.6**	**23.5**	**21.6**	**24.5**
79	08/15	**53.5**	**15.6**	**18.4**	**34.8**	**57.5**	NT	NT	NT	**38.2**	**20.1**	**33.6**	**44.5**	**31.8**	**30.8**	**29.7**	**16.6**	**26.7**

NOTE: Please refer to last page for table notes.

TABLE 1C
WATER QUALITY SUMMARY TABLE - 2015 RESULTS FOR FORMER GMP-RELATED WELLS
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Dissolved Oxygen**				**Shallow Wells**				**Dissolved Oxygen**				**Deep Wells**				
Round Number	Sample Date	NH AGQS/GW-2 = NA								NH AGQS/GW-2 = NA								
		GZ-601U	GZ-606U	GZ-610U	GZ-616U	GZ-618U	SW-6	SW-7	SW-8	GZ-4L	GZ-8L	GZ-203L	GZ-402L	GZ-503L	GZ-504L	GZ-507L	GZ-606L	GZ-610L
Start of Bioremediation Pilot Test																		
17	07/97	NI	NI	NI	NI	NI	NT	NT	NT	7.1	4.3	NI	NI	NI	NI	NI	NI	NI
18	12/97	NI	NI	NI	NI	NI	NT	NT	NT	2.9	2.0	NI	NI	NI	NI	NI	NI	NI
19	04/98	NI	NI	NI	NI	NI	NT	NT	NT	4.9	2.0	NI	NI	NI	NI	NI	NI	NI
20	07/98	NI	NI	NI	NI	NI	NT	NT	NT	5.7	1.7	NI	NI	NI	NI	NI	NI	NI
21	11/98	NI	NI	NI	NI	NI	NT	NT	NT	0.0	4	NI	NI	NI	NI	NI	NI	NI
22	3,5/99	NI	NI	NI	NI	NI	NT	NT	NT	0.1	3.1	NI	NI	NI	NI	NI	NI	NI
23	07/99	NI	NI	NI	NI	NI	NT	NT	NT	0.0	2	NI	NI	NI	NI	NI	NI	NI
24	12/99	NI	NI	NI	NI	NI	NT	NT	NT	0.2	3.1	NI	NI	NI	NI	NI	NI	NI
Start of Full-Scale Bioremediation																		
25	06/00	NI	NI	NI	NI	NI	NT	NT	NT	0.7	0.8	NI	NI	NI	NI	NI	NI	NI
26	07/00	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
27	08/00	NI	NI	NI	NI	NI	NT	NT	NT	0.1	NT	NI	NI	NI	NI	NI	NI	NI
28	12/00	NI	NI	NI	NI	NI	NT	NT	NT	0.1	1.4	NI	NI	NI	NI	NI	NI	NI
29	01/01	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
30	06-07/01	NI	NI	NI	NI	NI	NT	NT	NT	0.1	1.3	NI	NI	NI	NI	NI	NI	NI
31	09-10/01	NI	NI	NI	NI	NI	NT	NT	NT	0.2	2.8	NI	NI	NI	NI	NI	NI	NI
32	12/01	NI	NI	NI	NI	NI	NT	NT	NT	0.3	2.2	NI	NI	NI	NI	NI	NI	NI
33	01/02	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
34	02/02	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
35	06/02	NI	NI	NI	NI	NI	NT	NT	NT	0.3	2.1	NI	NI	NI	NI	NI	NI	NI
36	10/02	NI	NI	NI	NI	NI	NT	NT	NT	0.7	0.6	NI	NI	NI	NI	NI	NI	NI
37	01/03	NI	NI	NI	NI	NI	NT	NT	NT	0.5	0.1	NI	NI	NI	NI	NI	NI	NI
38	07/03	NI	NI	NI	NI	NI	NT	NT	NT	1.8	0.7	NI	NI	NI	NI	NI	NI	NI
39	12/03	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
40	02/04	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI
41	06/04	NI	NI	NI	NI	NI	NT	NT	NT	5.4	2.6	3.5	NI	NI	NI	NI	NI	NI
42	08/04	NI	NI	NI	NI	NI	NT	NT	NT	3.1	2.2	3.2	NI	NI	NI	NI	NI	NI
43	11/04	NI	NI	NI	NI	NI	NT	NT	NT	1.8	2.0	NT	NI	NI	NI	NI	NI	NI
44	01/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
45	06/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
46	08/05	NI	NI	NI	NI	NI	NT	NT	NT	1.5	2.8	NT	NT	NI	NI	NI	NI	NI
47	11/05	NI	NI	NI	NI	NI	NT	NT	NT	0.8	0.8	0.9	1.0	NI	NI	NI	NI	NI
48	12/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
49	05/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
50	06/06	NI	NI	NI	NI	NI	NT	NT	NT	1.0	0.7	NT	NT	NI	NI	NI	NI	NI
51	08/06	NI	NI	NI	NI	NI	NT	NT	NT	0.9	6.0	NT	NT	NT	NT	NT	NI	NI
52	10/06	NI	NI	NI	NI	NI	NT	NT	NT	0.6	4.7	NT	NT	NT	NT	NT	NI	NI
53	12/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
54	01/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	0.7	0.3	0.6	NI	NI
55	02/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	0.5	0.5	0.5	NI	NI
56	05/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	1.3	0.4	0.7	NI	NI
57	07/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
58	08/07	0.4	1.1	1.5	1	0.3	NT	NT	NT	1.0	1.3	NT	NT	NT	NT	NT	NI	NI
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	1.2	NT	NT	NT	NT	NT	NI	NI
60	11/07	NT	NT	NT	NT	NT	NT	NT	NT	5.6	NT	NT	NT	NT	NT	NT	NI	NI
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
62	08/08	NT	NT	NT	NT	NT	1.7	NT	NT	0.8	2.6	NT	NT	NT	NT	NT	NT	NT
63	11/08	NT	NT	NT	NT	NT	NT	NT	NT	0.8	2.9	NT	2.7	NT	NT	NT	NT	NT
64	09/09	NT	NT	NT	NT	NT	NT	NT	NT	0.1	NT	NT	NT	NT	NT	NT	NT	NT
65	11/09	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
66	08/10	0.9	0.2	1.1	2.4	1.1	NT	2.4	2.7	1.1	1.1	1.4	1.1	NT	NT	NT	0.7	1.3
67	11/10	0.4	1.2	1.1	1.3	0.3	1.2	5.5	6.0	0.8	0.9	1.3	0.6	NT	NT	NT	0.8	0.6
68	08/11	1.3	1.2	NT	NT	0.9	2.0	4.8	4.6	0.9	1.0	1.7	1.1	0.5	0.6	NT	0.6	NT
69	11-12/11	1.6	1.1	3.0	5.1	0.6	1.3	7.6	7.5	1.5	1.9	1.9	0.6	1.3	1.0	1.3	1.2	0.8
70	06/12	1.2	0.8	1.3	1.7	1.0	2.0	5.1	5.7	1.3	0.9	1.3	1.3	1.1	1.8	1.9	0.6	0.8
71	8/12	1.3	0.5	0.8	1.2	1.3	NT	2.3	3.0	1.3	2.2	1.9	1.0	1.0	0.8	1.0	0.7	0.6
72	11/12	1.5	1.4	1.7	3.9	1.1	1.4	7.3	7.9	1.5	1.4	1.5	1.1	1.3	1.2	1.2	0.6	1.1
73	08/13	1.0	0.5	0.9	0.6	0.5	NT	3.2	2.8	0.7	1.4	0.8	0.9	1.0	0.7	0.7	0.3	0.6
74	11/13	1.5	1.5	1.4	1.2	1.4	1.7	7.7	7.8	1.4	1.4	1.3	1.2	1.6	1.3	1.3	1.3	1.4
75	06/14	0.9	0.6	2.8	1.6	1.0	2.8	4.3	4.3	1.2	1.2	1.2	0.9	0.6	1.1	0.8	0.6	0.9
76	08/14	0.9	0.8	1.1	0.7	0.8	NT	4.9	4.4	1.9	2.2	0.8	1.1	0.9	0.8	0.7	0.9	0.9
77	11/14	0.6	0.7	1.4	2.3	0.9	4.1	6.8	7.2	1.4	1.0	1.4	2.3	0.9	0.8	1.0	1.1	0.9
78	06/15	0.4	0.6	2.2	NT	0.8	2.4	3.2	3.7	1.4	0.7	1.2	0.9	0.6	0.7	0.8	0.7	0.4
79	08/15	0.4	0.9	1.4	1.4	0.9	NT	3.7	3.4	1.6	1.3	1.1	1.2	0.5	1.1	1.0	3.6	0.9

NOTE: Please refer to last page for table notes.

TABLE 1C
WATER QUALITY SUMMARY TABLE - 2015 RESULTS FOR FORMER GMP-RELATED WELLS
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		Oxidation Reduction Potential (ORP)				Shallow Wells				Oxidation Reduction Potential (ORP)				Deep Wells				
Round Number	Sample Date	NH AGQS/GW-2 = NA								NH AGQS/GW-2 = NA								
		GZ-601U	GZ-606U	GZ-610U	GZ-616U	GZ-618U	SW-6	SW-7	SW-8	GZ-4L	GZ-8L	GZ-203L	GZ-402L	GZ-503L	GZ-504L	GZ-507L	GZ-606L	GZ-610L
Start of Bioremediation Pilot Test																		
17	07/97	NI	NI	NI	NI	NI	NT	NT	NT	+190	+105	NI	NI	NI	NI	NI	NI	NI
18	12/97	NI	NI	NI	NI	NI	NT	NT	NT	+145	+90	NI	NI	NI	NI	NI	NI	NI
19	04/98	NI	NI	NI	NI	NI	NT	NT	NT	+185	+100	NI	NI	NI	NI	NI	NI	NI
20	07/98	NI	NI	NI	NI	NI	NT	NT	NT	+150	+110	NI	NI	NI	NI	NI	NI	NI
21	11/98	NI	NI	NI	NI	NI	NT	NT	NT	-20	+200	NI	NI	NI	NI	NI	NI	NI
22	3,5/99	NI	NI	NI	NI	NI	NT	NT	NT	-75	+135	NI	NI	NI	NI	NI	NI	NI
23	07/99	NI	NI	NI	NI	NI	NT	NT	NT	-85	+25	NI	NI	NI	NI	NI	NI	NI
24	12/99	NI	NI	NI	NI	NI	NT	NT	NT	-40	+175	NI	NI	NI	NI	NI	NI	NI
Start of Full-Scale Bioremediation																		
25	06/00	NI	NI	NI	NI	NI	NT	NT	NT	-60	-35	NI	NI	NI	NI	NI	NI	NI
26	07/00	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
27	08/00	NI	NI	NI	NI	NI	NT	NT	NT	-185	NT	NI	NI	NI	NI	NI	NI	NI
28	12/00	NI	NI	NI	NI	NI	NT	NT	NT	-195	+25	NI	NI	NI	NI	NI	NI	NI
29	01/01	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
30	06-07/01	NI	NI	NI	NI	NI	NT	NT	NT	-185	+30	NI	NI	NI	NI	NI	NI	NI
31	09-10/01	NI	NI	NI	NI	NI	NT	NT	NT	-125	+19	NI	NI	NI	NI	NI	NI	NI
32	12/01	NI	NI	NI	NI	NI	NT	NT	NT	+81	+40	NI	NI	NI	NI	NI	NI	NI
33	01/02	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
34	02/02	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
35	06/02	NI	NI	NI	NI	NI	NT	NT	NT	-79	+72	NI	NI	NI	NI	NI	NI	NI
36	10/02	NI	NI	NI	NI	NI	NT	NT	NT	-105	-155	NI	NI	NI	NI	NI	NI	NI
37	01/03	NI	NI	NI	NI	NI	NT	NT	NT	-106	-100	NI	NI	NI	NI	NI	NI	NI
38	07/03	NI	NI	NI	NI	NI	NT	NT	NT	+47	-125	NI	NI	NI	NI	NI	NI	NI
39	12/03	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
40	02/04	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI
41	06/04	NI	NI	NI	NI	NI	NT	NT	NT	+120	+125	+130	NI	NI	NI	NI	NI	NI
42	08/04	NI	NI	NI	NI	NI	NT	NT	NT	-60	+220	+110	NI	NI	NI	NI	NI	NI
43	11/04	NI	NI	NI	NI	NI	NT	NT	NT	-50	+135	NT	NI	NI	NI	NI	NI	NI
44	01/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
45	06/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
46	08/05	NI	NI	NI	NI	NI	NT	NT	NT	+10	+130	NT	NT	NI	NI	NI	NI	NI
47	11/05	NI	NI	NI	NI	NI	NT	NT	NT	-15	+220	+70	+65	NI	NI	NI	NI	NI
48	12/05	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
49	05/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI
50	06/06	NI	NI	NI	NI	NI	NT	NT	NT	+25	+40	NT	NT	NI	NI	NI	NI	NI
51	08/06	NI	NI	NI	NI	NI	NT	NT	NT	-45	+175	NT	NT	NI	NI	NI	NI	NI
52	10/06	NI	NI	NI	NI	NI	NT	NT	NT	-25	+150	NT	NT	NI	NI	NI	NI	NI
53	12/06	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
54	01/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	+15	-15	+25	NI	NI
55	02/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	+90	+140	+110	NI	NI
56	05/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	+45	+60	+90	NI	NI
57	07/07	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
58	08/07	-40	-80	-65	+90	out of range	NT	NT	NT	-60	+25	NT	NT	NT	NT	NT	NI	NI
59	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	-10	NT	NT	NT	NT	NT	NI	NI
60	11/07	NT	NT	NT	NT	NT	NT	NT	NT	+115	NT	NT	NT	NT	NT	NT	NI	NI
61	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI
62	08/08	NT	NT	NT	NT	NT	+165	NT	NT	-5	+80	NT	NT	NT	NT	NT	NT	NT
63	11/08	NT	NT	NT	NT	NT	NT	NT	NT	-45	+40	NT	+30	NT	NT	NT	NT	NT
64	09/09	NT	NT	NT	NT	NT	NT	NT	NT	-80	NT	NT	NT	NT	NT	NT	NT	NT
65	11/09	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
66	08/10	+79	-55	+92	+148	-61	NT	+109	+20	-9	+158	+38	+121	NT	NT	NT	+11	-100
67	11/10	+60	-89	+146	-35	-103	+117	+13	+51	-21	+142	+99	+23	NT	NT	NT	-47	+50
68	Aug-11	+72	-131	-7	+6	-114	+93	+79	+52	-49	+110	+118	+72	-33	-35	NT	-97	+73
69	11-12/11	+81	-33	+21	+109	-62	-6	+123	+124	-18	+142	+93	+78	+159	+129	+87	+17	+27
70	06/12	+80	-35	+25	+75	-60	-55	-30	+110	+25	+45	+80	+60	+55	-80	-55	-75	-65
71	08/12	-15	-43	+53	+36	-58	NT	+113	+124	-55	-6	+240	+23	-85	-71	-83	-96	+68
72	11/12	-15	-58	+10	+80	-81	-51	+110	+1	-66	+18	+196	-8	-72	-85	-89	-93	-32
73	08/13	+72	-70	+101	+36	-62	NT	+43	+45	-85	+12	+123	-21	-87	-101	-25	-129	-67
74	11/13	-13	-62	+26	+15	-58	-13	-14	+99	-55	+11	+138	-19	-67	-85	-59	-83	-78
75	06/14	+84	-42	+13	+38	-49	+12	+89	-19	-24	+16	+123	+5	-52	-71	-1	-91	-76
76	08/14	-35	-88	-9	-3	-64	NT	+32	+23	-47	-19	118	+2	-70	-87	-40	-96	-91
77	11/14	+2	-53	+16	+11	-5	+16	-87	+10	-22	-7	+105	+1	-53	-68	-49	-79	-67
78	06/15	+25	-30	+90	+130	-60	+45	+45	+85	-10	-5	+195	-40	-45	-75	-25	-80	-75
79	08/15	+33	-51	-26	+11	-79	NT	-12	-33	+24	-18	+10	+26	-45	-27	-32	-96	-56

NOTE: Please refer to last page for table notes.

TABLE 2A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

			Contaminant:	**Methylene Chloride (Dichloromethane)**									
	Round Number	Sample Date	Groundwater RCMP: GW-1 = 0.005 GW-2 = 50										
			GZ-1L	GZ-9L	GZ-201L	GZ-202L	GZ-203L	GZ--301	GZ-302	GZ-303	MW-1D	MW-7D
Pre-Injection Conditions	1	08/87	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	2	10/87	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	3	11/88	ND	ND	NI	NI	NI	NT	NT	NT	NI	NI
	4	02/89	ND	ND	NI	NI	NI	NT	NT	NT	NI	NI
	5	02/91	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	6	02-03/92	<0.005	NT	NI	NI	NI	NT	NT	NT	NI	NI
	7	04/94	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	8	08/94	<0.002	NT	NI	NI	NI	NT	NT	NT	NI	NI
	9	11/94	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	10	04/95	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	11	08/95	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	12	12/95	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	13	05/96	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	14	07/96	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	15	11/96	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	16	04/97	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
Start of Bioremediation Pilot Test	17	07/97	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	18	12/97	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	19	04/98	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	20	07/98	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	21	11/98	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	22	3,5/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	23	07/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	24	12/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
Start of Full-Scale Bioremediation	25	06/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	26	07/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	27	08/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	28	12/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	29	01/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	30	06-07/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	31	09-10/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	32	12/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	33	01/02	<0.001	<0.004	NI	NI	NI	NT	NT	NT	<0.035	<0.005
	34	02/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	35	06/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	36	10/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	37	01/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	38	07/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	39	12/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	40	02/04	NT	NT	<0.005	<0.005	<0.005	NT	NT	NT	NT	NT
	41	06/04	<0.005	<0.5	<0.005	<0.005	<0.005	NT	NT	NT	<0.005	<0.005
	42	08/04	<0.005	<0.5	<0.3	<0.005	<0.03	NT	NT	NT	<.010	<0.005
	43	11/04	NT	NT	NT	NT	NT	<0.005	<0.03	<0.03	NT	NT
	44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	45	06/05	NT	NT	<0.050	<0.005	<0.030	<0.005	<0.030	<0.030	NT	NT
	46	08/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	47	11/05	NT	NT	<0.005	<0.005	<0.002	<0.001	<0.002	<0.001	NT	NT
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	49	06/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	50	08/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	51	10/06	NT	NT	NT	<0.025	NT	NT	NT	NT	NT	NT
	52	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	53	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	54	02/07	NT	NT	NT	<0.025	NT	NT	NT	NT	NT	NT
	55	05/07	NT	NT	NT	<0.025	NT	NT	NT	NT	NT	NT
	56	07/07	NT	NT	NT	<010	NT	NT	NT	NT	NT	NT
	57	08/07	NT	NT	<0.05	<0.010	NT	<0.001	NT	NT	NT	NT
	58	11/07	NT	NT	<0.05	<0.05	NT	<0.002	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

			Contaminant:	**1,1-Dichloroethene**								
	Round	Sample	Groundwater RCMP: GW-1 = 0.007 GW-2 = 0.001									
	Number	Date	GZ-1L	GZ-9L	GZ-201L	GZ-202L	GZ-203L	GZ--301	GZ-302	GZ-303	MW-1D	MW-7D
Pre-Injection Conditions	1	08/87	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	2	10/87	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	3	11/88	ND	**0.0230**	NI	NI	NI	NT	NT	NT	NI	NI
	4	02/89	ND	**0.0380**	NI	NI	NI	NT	NT	NT	NI	NI
	5	02/91	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	6	02-03/92	**0.0140**	NT	NI	NI	NI	NT	NT	NT	NI	NI
	7	04/94	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	8	08/94	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	9	11/94	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	10	04/95	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	11	08/95	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	12	12/95	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	13	05/96	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	14	07/96	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	15	11/96	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	16	04/97	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
Start of Bioremediation Pilot Test	17	07/97	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	18	12/97	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	19	04/98	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	20	07/98	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	21	11/98	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	22	3,5/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	23	07/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	24	12/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
Start of Full-Scale Bioremediation	25	06/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	26	07/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	27	08/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	28	12/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	29	01/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	30	06-07/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	31	09-10/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	32	12/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	33	01/02	<0.001	**0.0950**	NI	NI	NI	NT	NT	NT	**0.100**	0.0062
	34	02/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	35	06/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	36	10/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	37	01/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	38	07/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	39	12/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	40	02/04	NT	NT	<0.001	**0.013**	0.006	NT	NT	NT	NT	NT
	41	06/04	<0.005	**0.200**	**0.011**	0.006	0.003	NT	NT	NT	0.001	**0.007**
	42	08/04	<0.001	**0.200**	<0.05	**0.014**	0.006	NT	NT	NT	<0.002	0.005
	43	11/04	NT	NT	NT	NT	NT	<0.001	<0.005	0.0050	NT	NT
	44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	45	06/05	NT	NT	**0.020**	0.001	<0.005	<0.001	<0.005	<0.005	NT	NT
	46	08/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	47	11/05	NT	NT	**0.033**	**0.0072**	0.003	0.002	<0.002	0.0032	NT	NT
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	49	06/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	51	08/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	51	10/06	NT	NT	NT	<0.025	NT	NT	NT	NT	NT	NT
	52	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	53	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	54	02/07	NT	NT	NT	<0.025	NT	NT	NT	NT	NT	NT
	55	05/07	NT	NT	NT	<0.025	NT	NT	NT	NT	NT	NT
	56	07/07	NT	NT	NT	<0.010	NT	NT	NT	NT	NT	NT
	57	08/07	NT	NT	<0.050	<0.010	NT	<0.001	NT	NT	NT	NT
	58	11/07	NT	NT	<0.025	<0.025	NT	<0.001	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:	**1,1-Dichloroethane**									
	Round	Sample	Groundwater RCMP: GW-1 = 0.081 GW-2 = 9.0									
	Number	Date	GZ-1L	GZ-9L	GZ-201L	GZ-202L	GZ-203L	GZ--301	GZ-302	GZ-303	MW-1D	MW-7D
Pre-Injection Conditions	1	08/87	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	2	10/87	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	3	11/88	ND	0.011	NI	NI	NI	NT	NT	NT	NI	NI
	4	02/89	ND	0.026	NI	NI	NI	NT	NT	NT	NI	NI
	5	02/91	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	6	02-03/92	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	7	04/94	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	8	08/94	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	9	11/94	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	10	04/95	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	11	08/95	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	12	12/95	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	13	05/96	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	14	07/96	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	15	11/96	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	16	04/97	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
Start of Bioremediation Pilot Test	17	07/97	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	18	12/97	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	19	04/98	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	20	07/98	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	21	11/98	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	22	3,5/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	23	07/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	24	12/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
Start of Full-Scale Bioremediation	25	06/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	26	07/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	27	08/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	28	12/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	29	01/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	30	06-07/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	31	09-10/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	32	12/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	33	01/02	<0.001	**0.0850**	NI	NI	NI	NT	NT	NT	**0.430**	0.0022
	34	02/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	35	06/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	36	10/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	37	01/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	38	07/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	39	12/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	40	02/04	NT	NT	<0.002	0.0060	0.011	NT	NT	NT	NT	NT
	41	06/04	<0.002	**0.200**	0.013	0.002	0.007	NT	NT	NT	**0.0890**	<0.002
	42	08/04	<0.002	**0.2000**	0.050	0.003	0.008	NT	NT	NT	0.0790	<0.002
	43	11/04	NT	NT	NT	NT	NT	<0.002	<0.005	<0.005	NT	NT
	44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	45	06/05	NT	NT	0.020	<0.002	0.007	<0.002	<0.005	<0.005	NT	NT
	46	08/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	47	11/05	NT	NT	0.038	<0.005	0.005	0.001	<0.002	0.0018	NT	NT
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	49	06/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	51	08/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	51	10/06	NT	NT	NT	<0.025	NT	NT	NT	NT	NT	NT
	52	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	53	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	54	02/07	NT	NT	NT	<0.025	NT	NT	NT	NT	NT	NT
	55	05/07	NT	NT	NT	<0.025	NT	NT	NT	NT	NT	NT
	56	07/07	NT	NT	NT	<0.010	NT	NT	NT	NT	NT	NT
	57	08/07	NT	NT	<0.050	<0.010	NT	<0.001	NT	NT	NT	NT
	58	11/07	NT	NT	<0.025	<0.025	NT	<0.001	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

			Contaminant:	**1,2-Dichloroethane**								
	Round Number	Sample Date	Groundwater RCMP: GW-1 = 0.005 GW-2 = 0.020									
			GZ-1L	GZ-9L	GZ-201L	GZ-202L	GZ-203L	GZ--301	GZ-302	GZ-303	MW-1D	MW-7D
Pre-Injection Conditions	1	08/87	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	2	10/87	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	3	11/88	ND	NT	NI	NI	NI	NT	NT	NT	NI	NI
	4	02/89	ND	NT	NI	NI	NI	NT	NT	NT	NI	NI
	5	02/91	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	6	02-03/92	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	7	04/94	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	8	08/94	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	9	11/94	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	10	04/95	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	11	08/95	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	12	12/95	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	13	05/96	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	14	07/96	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	15	11/96	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	16	04/97	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
Start of Bioremediation Pilot Test	17	07/97	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	18	12/97	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	19	04/98	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	20	07/98	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	21	11/98	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	22	3,5/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	23	07/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	24	12/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
Start of Full-Scale Bioremediation	25	06/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	26	07/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	27	08/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	28	12/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	29	01/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	30	06-07/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	31	09-10/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	32	12/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	33	01/02	<0.001	0.0016	NI	NI	NI	NT	NT	NT	<0.005	<0.001
	34	02/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	35	06/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	36	10/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	37	01/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	38	07/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	39	12/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	40	02/04	NT	NT	<0.002	<0.002	<0.002	NT	NT	NT	NT	NT
	41	06/04	<0.002	<0.1	<0.002	<0.002	<0.002	NT	NT	NT	0.006	<0.002
	42	08/04	<0.002	<0.1	<0.050	<0.002	<0.005	NT	NT	NT	0.005	<0.002
	43	11/04	NT	NT	NT	NT	NT	<0.002	<0.005	<0.005	NT	NT
	44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	45	06/05	NT	NT	<0.010	<0.002	<0.005	<0.002	<0.005	<0.005	NT	NT
	46	08/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	47	11/05	NT	NT	<0.005	<0.005	<0.002	<0.001	<0.002	<0.001	NT	NT
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	49	06/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	51	08/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	51	10/06	NT	NT	NT	<0.025	NT	NT	NT	NT	NT	NT
	52	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	53	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	54	02/07	NT	NT	NT	<0.025	NT	NT	NT	NT	NT	NT
	55	05/07	NT	NT	NT	<0.025	NT	NT	NT	NT	NT	NT
	56	07/07	NT	NT	NT	<0.010	NT	NT	NT	NT	NT	NT
	57	08/07	NT	NT	<0.050	<0.010	NT	<0.001	NT	NT	NT	NT
	58	11/07	NT	NT	<0.025	<0.025	NT	NT	<0.001	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

			Contaminant:	**Total 1,2-Dichloroethenes**								
	Round Number	Sample Date	Groundwater RCMP: GW-1 = 0.07 GW-2 = not established									
			GZ-1L	GZ-9L	GZ-201L	GZ-202L	GZ-203L	GZ--301	GZ-302	GZ-303	MW-1D	MW-7D
Pre-Injection Conditions	1	08/87	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	2	10/87	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	3	11/88	ND	**1.3050**	NI	NI	NI	NT	NT	NT	NI	NI
	4	02/89	ND	**3.3090**	NI	NI	NI	NT	NT	NT	NI	NI
	5	02/91	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	6	02-03/92	<0.002	NT	NI	NI	NI	NT	NT	NT	NI	NI
	7	04/94	<0.002	NT	NI	NI	NI	NT	NT	NT	NI	NI
	8	08/94	<0.002	NT	NI	NI	NI	NT	NT	NT	NI	NI
	9	11/94	<0.002	NT	NI	NI	NI	NT	NT	NT	NI	NI
	10	04/95	<0.002	NT	NI	NI	NI	NT	NT	NT	NI	NI
	11	08/95	<0.002	NT	NI	NI	NI	NT	NT	NT	NI	NI
	12	12/95	<0.002	NT	NI	NI	NI	NT	NT	NT	NI	NI
	13	05/96	<0.002	NT	NI	NI	NI	NT	NT	NT	NI	NI
	14	07/96	<0.002	NT	NI	NI	NI	NT	NT	NT	NI	NI
	15	11/96	0.0012	NT	NI	NI	NI	NT	NT	NT	NI	NI
	16	04/97	<0.002	NT	NI	NI	NI	NT	NT	NT	NI	NI
Start of Bioremediation Pilot Test	17	07/97	<0.002	NT	NI	NI	NI	NT	NT	NT	NI	NI
	18	12/97	<0.002	NT	NI	NI	NI	NT	NT	NT	NI	NI
	19	04/98	<0.002	NT	NI	NI	NI	NT	NT	NT	NI	NI
	20	07/98	<0.002	NT	NI	NI	NI	NT	NT	NT	NI	NI
	21	11/98	0.0150	NT	NI	NI	NI	NT	NT	NT	NI	NI
	22	3,5/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	23	07/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	24	12/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
Start of Full-Scale Bioremediation	25	06/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	26	07/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	27	08/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	28	12/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	29	01/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	30	06-07/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	31	09-10/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	32	12/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	33	01/02	<0.001	0.057	NI	NI	NI	NT	NT	NT	**16.100**	0.038
	34	02/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	35	06/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	36	10/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	37	01/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	38	07/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	39	12/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	40	02/04	NT	NT	**0.071**	**0.100**	**0.915**	NT	NT	NT	NT	NT
	41	06/04	<0.002	**28.3**	**1.312**	0.036	**0.653**	NT	NT	NT	**0.358**	0.0590
	42	08/04	<0.002	**29.2**	**5.300**	**0.110**	**0.730**	NT	NT	NT	**0.3030**	0.0500
	43	11/04	NT	NT	NT	NT	NT	0.0020	**0.0470**	**0.2600**	NT	NT
	44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	45	06/05	NT	NT	**2.040**	0.011	**0.608**	<0.002	**0.0290**	**0.2200**	NT	NT
	46	08/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	47	11/05	NT	NT	**3.417**	**0.170**	**0.360**	0.052	**0.0120**	**0.1300**	NT	NT
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	49	06/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	51	08/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	51	10/06	NT	NT	NT	0.056	NT	NT	NT	NT	NT	NT
	52	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	53	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	54	02/07	NT	NT	NT	**0.084**	NT	NT	NT	NT	NT	NT
	55	05/07	NT	NT	NT	**0.053**	NT	NT	NT	NT	NT	NT
	56	07/07	NT	NT	NT	**0.043**	NT	NT	NT	NT	NT	NT
	57	08/07	NT	NT	**1.1**	**0.067**	NT	<0.002	NT	NT	NT	NT
	58	11/07	NT	NT	**1**	0.026	NT	0.0019	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:		**Chloroform (Trichloromethane)**									
	Round	Sample	Groundwater RCMP: GW-1 = 0.006 GW-2 = 0.400									
	Number	Date	GZ-1L	GZ-9L	GZ-201L	GZ-202L	GZ-203L	GZ--301	GZ-302	GZ-303	MW-1D	MW-7D
Pre-Injection Conditions	1	08/87	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	2	10/87	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	3	11/88	ND	**0.020**	NI	NI	NI	NT	NT	NT	NI	NI
	4	02/89	ND	NT	NI	NI	NI	NT	NT	NT	NI	NI
	5	02/91	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	6	02-03/92	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	7	04/94	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	8	08/94	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	9	11/94	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	10	04/95	<0.002	NT	NI	NI	NI	NT	NT	NT	NI	NI
	11	08/95	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	12	12/95	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	13	05/96	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	14	07/96	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	15	11/96	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	16	04/97	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
Start of Bioremediation Pilot Test	17	07/97	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	18	12/97	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	19	04/98	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	20	07/98	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	21	11/98	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	22	3,5/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	23	07/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	24	12/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
Start of Full-Scale Bioremediation	25	06/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	26	07/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	27	08/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	28	12/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	29	01/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	30	06-07/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	31	09-10/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	32	12/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	33	01/02	<0.001	<0.001	NI	NI	NI	NT	NT	NT	<0.005	<0.001
	34	02/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	35	06/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	36	10/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	37	01/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	38	07/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	39	12/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	40	02/04	NT	NT	<0.002	<0.002	<0.002	NT	NT	NT	NT	NT
	41	06/04	<0.002	<0.1	**0.0180**	<0.002	<0.002	NT	NT	NT	<0.002	<0.002
	42	08/04	<0.002	<0.100	<0.050	<0.002	<0.005	NT	NT	NT	<0.002	<0.002
	43	11/04	NT	NT	NT	NT	NT	<0.002	<0.005	<0.005	NT	NT
	44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	45	06/05	NT	NT	**0.010**	<0.002	<0.005	<0.002	<0.005	<0.005	NT	NT
	46	08/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	47	11/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	49	06/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	51	08/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	51	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	52	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	53	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	54	02/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	55	05/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	56	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	57	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	58	11/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

		Contaminant:	**1,1,1-Trichloroethane**									
	Round	Sample	Groundwater RCMP: GW-1 = 0.2 GW-2 = 4.00									
	Number	Date	GZ-1L	GZ-9L	GZ-201L	GZ-202L	GZ-203L	GZ--301	GZ-302	GZ-303	MW-1D	MW-7D
Pre-Injection Conditions	1	08/87	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	2	10/87	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	3	11/88	ND	0.008	NI	NI	NI	NT	NT	NT	NI	NI
	4	02/89	ND	0.020	NI	NI	NI	NT	NT	NT	NI	NI
	5	02/91	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	6	02-03/92	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	7	04/94	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	8	08/94	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	9	11/94	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	10	04/95	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	11	08/95	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	12	12/95	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	13	05/96	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	14	07/96	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	15	11/96	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	16	04/97	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
Start of Bioremediation Pilot Test	17	07/97	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	18	12/97	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	19	04/98	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	20	07/98	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	21	11/98	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	22	3,5/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	23	07/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	24	12/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
Start of Full-Scale Bioremediation	25	06/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	26	07/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	27	08/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	28	12/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	29	01/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	30	06-07/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	31	09-10/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	32	12/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	33	01/02	<0.001	**0.860**	NI	NI	NI	NT	NT	NT	0.170	0.0720
	34	02/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	35	06/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	36	10/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	37	01/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	38	07/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	39	12/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	40	02/04	NT	NT	0.003	0.170	0.046	NT	NT	NT	NT	NT
	41	06/04	<0.002	**1.9**	0.093	0.070	0.028	NT	NT	NT	<0.002	0.120
	42	08/04	<0.002	**1.9**	**0.320**	**0.220**	0.039	NT	NT	NT	<0.002	0.062
	43	11/04	NT	NT	NT	NT	NT	0.0040	0.0450	0.0450	NT	NT
	44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	45	06/05	NT	NT	0.140	0.013	0.029	<0.002	0.0500	0.0360	NT	NT
	46	08/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	47	11/05	NT	NT	**0.220**	0.078	0.017	0.0270	0.0140	0.0220	NT	NT
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	49	06/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	51	08/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	51	10/06	NT	NT	NT	0.056	NT	NT	NT	NT	NT	NT
	52	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	53	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	54	02/07	NT	NT	NT	0.10	NT	NT	NT	NT	NT	NT
	55	05/07	NT	NT	NT	0.071	NT	NT	NT	NT	NT	NT
	56	07/07	NT	NT	NT	0.049	NT	NT	NT	NT	NT	NT
	57	08/07	NT	NT	<0.050	0.066	NT	<0.001	NT	NT	NT	NT
	58	11/07	NT	NT	0.042	0.026	NT	0.0019	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:		**Trichloroethene**									
	Round	Sample	Groundwater RCMP: GW-1 = 0.005 GW-2 = 0.300									
	Number	Date	GZ-1L	GZ-9L	GZ-201L	GZ-202L	GZ-203L	GZ--301	GZ-302	GZ-303	MW-1D	MW-7D
Pre-Injection Conditions	1	08/87	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	2	10/87	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	3	11/88	ND	**0.250**	NI	NI	NI	NT	NT	NT	NI	NI
	4	02/89	ND	**0.520**	NI	NI	NI	NT	NT	NT	NI	NI
	5	02/91	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	6	02-03/92	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	7	04/94	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	8	08/94	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	9	11/94	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	10	04/95	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	11	08/95	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	12	12/95	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	13	05/96	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
Start of Bioremediation Pilot Test	14	07/96	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	15	11/96	0.0021	NT	NI	NI	NI	NT	NT	NT	NI	NI
	16	04/97	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	17	07/97	0.0032	NT	NI	NI	NI	NT	NT	NT	NI	NI
	18	12/97	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	19	04/98	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	20	07/98	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	21	11/98	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
Start of Full-Scale Bioremediation	22	3,5/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	23	07/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	24	12/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	25	06/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	26	07/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	27	08/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	28	12/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	29	01/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	30	06-07/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	31	09-10/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	32	12/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	33	01/02	<0.001	**7**	NI	NI	NI	NT	NT	NT	**0.047**	**1.2**
	34	02/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	35	06/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	36	10/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	37	01/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	38	07/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	39	12/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	40	02/04	NT	NT	**0.075**	**2.9**	**0.29**	NT	NT	NT	NT	NT
	41	06/04	<0.002	**8.3**	**0.87**	**1.4**	**0.11**	NT	NT	NT	0.0020	**2.0**
	42	08/04	<0.002	**8.4**	**2.5**	**3.0**	**0.3**	NT	NT	NT	<0.002	**1.1**
	43	11/04	NT	NT	NT	NT	NT	**0.066**	**0.81**	**0.75**	NT	NT
	44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	45	06/05	NT	NT	**1.2**	**0.21**	**0.16**	**0.003**	**0.8**	**0.56**	NT	NT
	46	08/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	47	11/05	NT	NT	**2.5**	**1.4**	**0.091**	**0.3**	**0.27**	**0.34**	NT	NT
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	49	06/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	51	08/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	51	10/06	NT	NT	NT	**1.2**	NT	NT	NT	NT	NT	NT
	52	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	53	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	54	02/07	NT	NT	NT	**1.4**	NT	NT	NT	NT	NT	NT
	55	05/07	NT	NT	NT	**1**	NT	NT	NT	NT	NT	NT
	56	07/07	NT	NT	NT	**0.83**	NT	NT	NT	NT	NT	NT
	57	08/07	NT	NT	**1.3**	**1.3**	NT	0.0032	NT	NT	NT	NT
	58	11/07	NT	NT	**1.4**	**0.65**	NT	**0.048**	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

			Contaminant:	**Tetrachloroethene**								
	Round Number	Sample Date	Groundwater RCMP: GW-1 = 0.005 GW-2 = 3.00									
			GZ-1L	GZ-9L	GZ-201L	GZ-202L	GZ-203L	GZ--301	GZ-302	GZ-303	MW-1D	MW-7D
Pre-Injection Conditions	1	08/87	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	2	10/87	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	3	11/88	ND	0.002	NI	NI	NI	NT	NT	NT	NI	NI
	4	02/89	ND	**0.005**	NI	NI	NI	NT	NT	NT	NI	NI
	5	02/91	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	6	02-03/92	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	7	04/94	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	8	08/94	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	9	11/94	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	10	04/95	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	11	08/95	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	12	12/95	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	13	05/96	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
Start of Bioremediation Pilot Test	14	07/96	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	15	11/96	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	16	04/97	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	17	07/97	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	18	12/97	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	19	04/98	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	20	07/98	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	21	11/98	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
Start of Full-Scale Bioremediation	22	3,5/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	23	07/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	24	12/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	25	06/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	26	07/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	27	08/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	28	12/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	29	01/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	30	06-07/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	31	09-10/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	32	12/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	33	01/02	<0.001	**0.017**	NI	NI	NI	NT	NT	NT	<0.005	0.0025
	34	02/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	35	06/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	36	10/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	37	01/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	38	07/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	39	12/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	40	02/04	NT	NT	<0.002	**0.008**	<0.002	NT	NT	NT	NT	NT
	41	06/04	<0.002	<0.1	0.002	0.003	<0.002	NT	NT	NT	<0.002	0.004
	42	08/04	<0.002	<.100	<0.050	**0.009**	<0.005	NT	NT	NT	<0.002	0.0030
	43	11/04	NT	NT	NT	NT	NT	<0.002	<0.005	<0.005	NT	NT
	44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	45	06/05	NT	NT	<0.010	<0.002	<0.005	<0.002	<0.005	<0.005	NT	NT
	46	08/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	47	11/05	NT	NT	**0.011**	<0.005	<0.002	<0.001	<0.002	0.0015	NT	NT
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	49	06/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	51	08/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	51	10/06	NT	NT	NT	<0.025	NT	NT	NT	NT	NT	NT
	52	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	53	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	54	02/07	NT	NT	NT	<0.025	NT	NT	NT	NT	NT	NT
	55	05/07	NT	NT	NT	<0.025	NT	NT	NT	NT	NT	NT
	56	07/07	NT	NT	NT	<0.010	NT	NT	NT	NT	NT	NT
	57	08/07	NT	NT	<0.050	<0.010	NT	<0.001	NT	NT	NT	NT
	58	11/07	NT	NT	<0.025	<0.025	NT	<0.001	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:	**Vinyl Chloride**									
	Round	Sample	Groundwater RCMP: GW-1 = 0.002 GW-2 = 0.002									
	Number	Date	GZ-1L	GZ-9L	GZ-201L	GZ-202L	GZ-203L	GZ--301	GZ-302	GZ-303	MW-1D	MW-7D
Pre-Injection Conditions	1	08/87	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	2	10/87	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	3	11/88	ND	NT	NI	NI	NI	NT	NT	NT	NI	NI
	4	02/89	ND	NT	NI	NI	NI	NT	NT	NT	NI	NI
	5	02/91	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	6	02-03/92	<0.005	NT	NI	NI	NI	NT	NT	NT	NI	NI
	7	04/94	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	8	08/94	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	9	11/94	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	10	04/95	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	11	08/95	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	12	12/95	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	13	05/96	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
Start of Bioremediation Pilot Test	14	07/96	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	15	11/96	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	16	04/97	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	17	07/97	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	18	12/97	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	19	04/98	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	20	07/98	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	21	11/98	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
Start of Full-Scale Bioremediation	22	3,5/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	23	07/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	24	12/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	25	06/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	26	07/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	27	08/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	28	12/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	29	01/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	30	06-07/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	31	09-10/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	32	12/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	33	01/02	<0.001	**0.710**	NI	NI	NI	NT	NT	NT	**13.500**	<0.001
	34	02/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	35	06/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	36	10/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	37	01/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	38	07/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	39	12/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	40	02/04	NT	NT	**0.004**	**0.002**	**0.017**	NT	NT	NT	NT	NT
	41	06/04	<0.002	**1.300**	**0.065**	<0.002	**0.005**	NT	NT	NT	**0.190**	<0.002
	42	08/04	<0.002	**2.100**	**0.400**	**0.003**	**0.020**	NT	NT	NT	**0.320**	<0.002
	43	11/04	NT	NT	NT	NT	NT	<0.002	<0.01	**0.0100**	NT	NT
	44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	45	06/05	NT	NT	**0.150**	<0.002	<0.010	<0.002	<0.010	**0.0100**	NT	NT
	46	08/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	47	11/05	NT	NT	**0.210**	<0.005	**0.004**	0.0016	<0.002	**0.0054**	NT	NT
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	49	06/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	51	08/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	51	10/06	NT	NT	NT	<0.025	NT	NT	NT	NT	NT	NT
	52	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	53	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	54	02/07	NT	NT	NT	<0.025	NT	NT	NT	NT	NT	NT
	55	05/07	NT	NT	NT	<0.025	NT	NT	NT	NT	NT	NT
	56	07/07	NT	NT	NT	<0.010	NT	NT	NT	NT	NT	NT
	57	08/07	NT	NT	<0.050	<0.010	NT	<0.001	NT	NT	NT	NT
	58	11/07	NT	NT	**0.028**	<0.25	NT	<0.001	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

		Contaminant:	**Chloroethane**									
	Round	Sample	Groundwater RCMP = NA									
	Number	Date	GZ-1L	GZ-9L	GZ-201L	GZ-202L	GZ-203L	GZ--301	GZ-302	GZ-303	MW-1D	MW-7D
Pre-Injection Conditions	1	08/87	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	2	10/87	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	3	11/88	ND	NT	NI	NI	NI	NT	NT	NT	NI	NI
	4	02/89	ND	0.003	NI	NI	NI	NT	NT	NT	NI	NI
	5	02/91	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	6	02-03/92	<0.002	NT	NI	NI	NI	NT	NT	NT	NI	NI
	7	04/94	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	8	08/94	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	9	11/94	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	10	04/95	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	11	08/95	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	12	12/95	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	13	05/96	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
Start of Bioremediation Pilot Test	14	07/96	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	15	11/96	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	16	04/97	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	17	07/97	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	18	12/97	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	19	04/98	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	20	07/98	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	21	11/98	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
Start of Full-Scale Bioremediation	22	3,5/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	23	07/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	24	12/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	25	06/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	26	07/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	27	08/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	28	12/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	29	01/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	30	06-07/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	31	09-10/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	32	12/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	33	01/02	<0.002	<0.002	NI	NI	NI	NT	NT	NT	0.0390	<0.002
	34	02/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	35	06/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	36	10/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	37	01/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	38	07/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	39	12/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	40	02/04	NT	NT	<0.005	<0.005	<0.002	NT	NT	NT	NT	NT
	41	06/04	<0.005	<0.5	<0.005	<0.005	<0.005	NT	NT	NT	0.220	<0.005
	42	08/04	<0.005	<0.500	<0.030	<0.005	<0.030	NT	NT	NT	0.2900	<0.005
	43	11/04	NT	NT	NT	NT	NT	<0.005	<0.03	<0.03	NT	NT
	44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	45	06/05	NT	NT	<0.050	<0.005	<0.030	<0.005	<0.030	<0.030	NT	NT
	46	08/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	47	11/05	NT	NT	0.006	<0.005	<0.002	<0.001	<0.002	<0.001	NT	NT
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	49	06/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	51	08/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	51	10/06	NT	NT	NT	<0.025	NT	NT	NT	NT		
	52	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	53	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	54	02/07	NT	NT	NT	<0.025	NT	NT	NT	NT	NT	NT
	55	05/07	NT	NT	NT	<0.025	NT	NT	NT	NT	NT	NT
	56	07/07	NT	NT	NT	<0.010	NT	NT	NT	NT	NT	NT
	57	08/07	NT	NT	<0.050	<0.010	NT	<0.001	NT	NT	NT	NT
	58	11/07	NT	NT	<0.025	<0.025	NT	<0.001	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:		**Benzene**									
	Round	Sample	Groundwater RCMP: GW-1 = 0.005 GW-2 = 2.00									
	Number	Date	GZ-1L	GZ-9L	GZ-201L	GZ-202L	GZ-203L	GZ--301	GZ-302	GZ-303	MW-1D	MW-7D
Pre-Injection Conditions	1	08/87	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	2	10/87	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	3	11/88	ND	NT	NI	NI	NI	NT	NT	NT	NI	NI
	4	02/89	ND	NT	NI	NI	NI	NT	NT	NT	NI	NI
	5	02/91	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	6	02-03/92	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	7	04/94	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	8	08/94	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	9	11/94	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	10	04/95	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	11	08/95	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	12	12/95	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	13	05/96	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
Start of Bioremediation Pilot Test	14	07/96	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	15	11/96	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	16	04/97	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	17	07/97	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	18	12/97	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	19	04/98	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	20	07/98	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	21	11/98	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
Start of Full-Scale Bioremediation	22	3,5/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	23	07/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	24	12/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	25	06/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	26	07/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	27	08/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	28	12/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	29	01/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	30	06-07/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	31	09-10/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	32	12/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	33	01/02	<0.001	NT	NI	NI	NI	NT	NT	NT	**0.021**	<0.001
	34	02/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	35	06/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	36	10/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	37	01/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	38	07/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	39	12/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	40	02/04	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	41	06/04	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	42	08/04	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	43	11/04	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	45	06/05	NT	NT	<0.010	<0.001	<0.005	<0.001	<0.005	<0.005	NT	NT
	46	08/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	47	11/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	49	06/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	51	08/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	51	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	52	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	53	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	54	02/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	55	05/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	56	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	57	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	58	11/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

			Contaminant:	**Toluene**								
	Round Number	Sample Date	Groundwater RCMP: GW-1 = 1.0 GW-2 = 6.0									
			GZ-1L	GZ-9L	GZ-201L	GZ-202L	GZ-203L	GZ--301	GZ-302	GZ-303	MW-1D	MW-7D
Pre-Injection Conditions	1	08/87	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	2	10/87	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	3	11/88	ND	NT	NI	NI	NI	NT	NT	NT	NI	NI
	4	02/89	ND	NT	NI	NI	NI	NT	NT	NT	NI	NI
	5	02/91	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	6	02-03/92	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	7	04/94	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	8	08/94	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	9	11/94	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	10	04/95	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	11	08/95	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	12	12/95	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	13	05/96	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
Start of Bioremediation Pilot Test	14	07/96	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	15	11/96	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	16	04/97	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	17	07/97	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	18	12/97	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	19	04/98	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	20	07/98	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	21	11/98	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
Start of Full-Scale Bioremediation	22	3,5/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	23	07/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	24	12/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	25	06/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	26	07/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	27	08/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	28	12/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	29	01/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	30	06-07/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	31	09-10/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	32	12/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	33	01/02	<0.001	<0.001	NI	NI	NI	NT	NT	NT	<0.005	<0.001
	34	02/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	35	06/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	36	10/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	37	01/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	38	07/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	39	12/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	40	02/04	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	41	06/04	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	42	08/04	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	43	11/04	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	45	06/05	NT	NT	<0.010	<0.001	<0.005	<0.001	<0.005	<0.005	NT	NT
	46	08/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	47	11/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	49	06/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	51	08/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	51	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	52	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	53	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	54	02/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	55	05/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	56	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	57	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	58	11/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

		Contaminant:	**Ethylbenzene**									
	Round Number	Sample Date	Groundwater RCMP: GW-1 = 0.7 GW-2 = 30.0									
			GZ-1L	GZ-9L	GZ-201L	GZ-202L	GZ-203L	GZ--301	GZ-302	GZ-303	MW-1D	MW-7D
Pre-Injection Conditions	1	08/87	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	2	10/87	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	3	11/88	ND	NT	NI	NI	NI	NT	NT	NT	NI	NI
	4	02/89	ND	NT	NI	NI	NI	NT	NT	NT	NI	NI
	5	02/91	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	6	02-03/92	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	7	04/94	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	8	08/94	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	9	11/94	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	10	04/95	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	11	08/95	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	12	12/95	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	13	05/96	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
Start of Bioremediation Pilot Test	14	07/96	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	15	11/96	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	16	04/97	<0.001	NT	NI	NI	NI	NT	NT	NT	NI	NI
	17	07/97	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	18	12/97	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	19	04/98	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	20	07/98	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	21	11/98	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
Start of Full-Scale Bioremediation	22	3,5/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	23	07/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	24	12/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	25	06/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	26	07/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	27	08/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	28	12/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	29	01/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	30	06-07/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	31	09-10/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	32	12/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	33	01/02	<0.001	<0.001	NI	NI	NI	NT	NT	NT	<0.005	<0.001
	34	02/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	35	06/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	36	10/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	37	01/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	38	07/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	39	12/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	40	02/04	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	41	06/04	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	42	08/04	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	43	11/04	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	45	06/05	NT	NT	<0.010	<0.001	<0.005	<0.001	<0.005	<0.005	NT	NT
	46	08/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	47	11/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	49	06/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	51	08/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	51	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	52	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	53	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	54	02/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	55	05/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	56	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	57	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	58	11/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

		Contaminant:	**Total Xylenes**									
	Round	Sample	Groundwater RCMP: GW-1 = 10.0 GW-2 = 6.0									
	Number	Date	GZ-1L	GZ-9L	GZ-201L	GZ-202L	GZ-203L	GZ--301	GZ-302	GZ-303	MW-1D	MW-7D
Pre-Injection Conditions	1	08/87	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	2	10/87	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	3	11/88	ND	NT	NI	NI	NI	NT	NT	NT	NI	NI
	4	02/89	ND	NT	NI	NI	NI	NT	NT	NT	NI	NI
	5	02/91	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	6	02-03/92	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	7	04/94	<0.002	NT	NI	NI	NI	NT	NT	NT	NI	NI
	8	08/94	<0.002	NT	NI	NI	NI	NT	NT	NT	NI	NI
	9	11/94	<0.002	NT	NI	NI	NI	NT	NT	NT	NI	NI
	10	04/95	<0.002	NT	NI	NI	NI	NT	NT	NT	NI	NI
	11	08/95	<0.002	NT	NI	NI	NI	NT	NT	NT	NI	NI
	12	12/95	<0.002	NT	NI	NI	NI	NT	NT	NT	NI	NI
	13	05/96	<0.002	NT	NI	NI	NI	NT	NT	NT	NI	NI
Start of Bioremediation Pilot Test	14	07/96	<0.002	NT	NI	NI	NI	NT	NT	NT	NI	NI
	15	11/96	<0.002	NT	NI	NI	NI	NT	NT	NT	NI	NI
	16	04/97	<0.002	NT	NI	NI	NI	NT	NT	NT	NI	NI
	17	07/97	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	18	12/97	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	19	04/98	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	20	07/98	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	21	11/98	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
Start of Full-Scale Bioremediation	22	3,5/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	23	07/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	24	12/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	25	06/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	26	07/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	27	08/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	28	12/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	29	01/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	30	06-07/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	31	09-10/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	32	12/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	33	01/02	<0.003	0.0031	NI	NI	NI	NT	NT	NT	0.050	<0.003
	34	02/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	35	06/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	36	10/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	37	01/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	38	07/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	39	12/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	40	02/04	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	41	06/04	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	42	08/04	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	43	11/04	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	45	06/05	NT	NT	<0.010	<0.001	<0.005	<0.001	<0.005	<0.005	NT	NT
	46	08/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	47	11/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	49	06/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	51	08/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	51	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	52	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	53	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	54	02/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	55	05/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	56	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	57	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	58	11/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:		**Methane**									
	Round Number	Sample Date	Groundwater RCMP = NA									
			GZ-1L	GZ-9L	GZ-201L	GZ-202L	GZ-203L	GZ--301	GZ-302	GZ-303	MW-1D	MW-7D
Pre-Injection Conditions	1	08/87	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	2	10/87	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	3	11/88	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	4	02/89	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	5	02/91	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	6	02-03/92	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	7	04/94	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	8	08/94	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	9	11/94	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	10	04/95	<0.01	NT	NI	NI	NI	NT	NT	NT	NI	NI
	11	08/95	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	12	12/95	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	13	05/96	0.2	NT	NI	NI	NI	NT	NT	NT	NI	NI
Start of Bioremediation Pilot Test	14	07/96	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	15	11/96	0.19	NT	NI	NI	NI	NT	NT	NT	NI	NI
	16	04/97	0.13	NT	NI	NI	NI	NT	NT	NT	NI	NI
	17	07/97	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	18	12/97	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	19	04/98	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	20	07/98	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	21	11/98	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
Start of Full-Scale Bioremediation	22	3,5/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	23	07/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	24	12/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	25	06/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	26	07/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	27	08/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	28	12/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	29	01/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	30	06-07/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	31	09-10/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	32	12/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	33	01/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	34	02/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	35	06/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	36	10/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	37	01/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	38	07/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	39	12/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	40	02/04	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	41	06/04	<0.02	NT	NT	NT	NT	NT	NT	NT	5.50	<0.02
	42	08/04	0.08	NT	NT	NT	NT	NT	NT	NT	4.70	<0.02
	43	11/04	NT	NT	NT	NT	NT	NT	<0.02	NT	NT	NT
	44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	45	06/05	NT	NT	0.51	<0.02	0.04	<0.02	<0.02	0.12	NT	NT
	46	08/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	47	11/05	7.40	NT	4.4	NT	NT	<0.01	NT	<0.001	NT	NT
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	49	06/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	51	08/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	51	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	52	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	53	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	54	02/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	55	05/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	56	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	57	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	58	11/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

Contaminant:		**Ethane**									
Round Number	Sample Date	Groundwater RCMP = NA									
		GZ-1L	GZ-9L	GZ-201L	GZ-202L	GZ-203L	GZ--301	GZ-302	GZ-303	MW-1D	MW-7D
42	08/04	<0.020	NT	NT	NT	NT	NT	NT	NT	0.12	<0.020
43	11/04	NT	NT	NT	NT	NT	NT	<0.020	NT	NT	NT
44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
45	06/05	NT	NT	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	NT	NT
46	08/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
47	11/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
49	06/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
51	08/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
51	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
52	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
53	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
54	02/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
55	05/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
56	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
57	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
58	11/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Contaminant:		**Ethene**									
Round Number	Sample Date	Groundwater RCMP = NA									
		GZ-1L	GZ-9L	GZ-201L	GZ-202L	GZ-203L	GZ--301	GZ-302	GZ-303	MW-1D	MW-7D
42	08/04	<0.020	NT	NT	NT	NT	NT	NT	NT	0.20	<0.020
43	11/04	NT	NT	NT	NT	NT	NT	<0.020	NT	NT	NT
44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
45	06/05	NT	NT	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	NT	NT
46	08/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
47	11/05	NT	NT	<0.020	NT	NT	<0.010	NT	<0.001	NT	NT
48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
49	06/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
51	08/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
51	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
52	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
53	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
54	02/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
55	05/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
56	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
57	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
58	11/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:		**Iron**									
	Round Number	Sample Date	Groundwater RCMP = NA									
			GZ-1L	GZ-9L	GZ-201L	GZ-202L	GZ-203L	GZ--301	GZ-302	GZ-303	MW-1D	MW-7D
Pre-Injection Conditions	1	08/87	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	2	10/87	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	3	11/88	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	4	02/89	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	5	02/91	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	6	02-03/92	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	7	04/94	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	8	08/94	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	9	11/94	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	10	04/95	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	11	08/95	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	12	12/95	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	13	05/96	0.035	NT	NI	NI	NI	NT	NT	NT	NI	NI
Start of Bioremediation Pilot Test	14	07/96	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	15	11/96	0.045	NT	NI	NI	NI	NT	NT	NT	NI	NI
	16	04/97	0.136	NT	NI	NI	NI	NT	NT	NT	NI	NI
	17	07/97	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	18	12/97	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	19	04/98	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	20	07/98	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	21	11/98	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
Start of Full-Scale Bioremediation	22	3,5/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	23	07/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	24	12/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	25	06/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	26	07/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	27	08/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	28	12/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	29	01/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	30	06-07/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	31	09-10/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	32	12/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	33	01/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	34	02/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	35	06/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	36	10/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	37	01/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	38	07/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	39	12/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	40	02/04	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	41	06/04	0.15	NT	NT	NT	NT	NT	NT	NT	3.00	0.57
	42	08/04	0.019	NT	NT	NT	NT	NT	NT	NT	1.20	0.20
	43	11/04	NT	NT	NT	NT	NT	NT	0.55	NT	NT	NT
	44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	45	06/05	NT	NT	<0.05	5.6	1.90	1.90	0.08	<0.05	NT	NT
	46	08/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	47	11/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	49	06/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	50	08/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	51	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	52	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	53	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	54	02/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	55	05/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	56	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	57	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	58	11/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:		**Manganese**									
	Round Number	Sample Date	Groundwater RCMP = 0.84									
			GZ-1L	GZ-9L	GZ-201L	GZ-202L	GZ-203L	GZ--301	GZ-302	GZ-303	MW-1D	MW-7D
Pre-Injection Conditions	1	08/87	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	2	10/87	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	3	11/88	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	4	02/89	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	5	02/91	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	6	02-03/92	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	7	04/94	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	8	08/94	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	9	11/94	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	10	04/95	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	11	08/95	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	12	12/95	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	13	05/96	0.212	NT	NI	NI	NI	NT	NT	NT	NI	NI
Start of Bioremediation Pilot Test	14	07/96	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	15	11/96	0.21	NT	NI	NI	NI	NT	NT	NT	NI	NI
	16	04/97	0.202	NT	NI	NI	NI	NT	NT	NT	NI	NI
	17	07/97	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	18	12/97	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	19	04/98	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	20	07/98	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	21	11/98	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
Start of Full-Scale Bioremediation	22	3,5/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	23	07/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	24	12/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	25	06/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	26	07/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	27	08/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	28	12/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	29	01/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	30	06-07/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	31	09-10/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	32	12/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	33	01/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	34	02/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	35	06/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	36	10/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	37	01/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	38	07/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	39	12/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	40	02/04	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	41	06/04	0.25	NT	NT	NT	NT	NT	NT	NT	**34**	0.14
	42	08/04	0.0003	NT	NT	NT	NT	NT	NT	NT	**28**	0.19
	43	11/04	NT	NT	NT	NT	NT	NT	**1.60**	NT	NT	NT
	44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	45	06/05	NT	NT	0.12	0.25	0.38	0.062	0.37	0.38	NT	NT
	46	08/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	47	11/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	49	06/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	50	08/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	51	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	52	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	53	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	54	02/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	55	05/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	56	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	57	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	58	11/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:		**Chloride**									
	Round Number	Sample Date	Groundwater RCMP = NA									
			GZ-1L	GZ-9L	GZ-201L	GZ-202L	GZ-203L	GZ--301	GZ-302	GZ-303	MW-1D	MW-7D
Pre-Injection Conditions	1	08/87	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	2	10/87	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	3	11/88	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	4	02/89	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	5	02/91	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	6	02-03/92	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	7	04/94	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	8	08/94	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	9	11/94	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	10	04/95	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	11	08/95	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	12	12/95	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	13	05/96	60	NT	NI	NI	NI	NT	NT	NT	NI	NI
Start of Bioremediation Pilot Test	14	07/96	92	NT	NI	NI	NI	NT	NT	NT	NI	NI
	15	11/96	71	NT	NI	NI	NI	NT	NT	NT	NI	NI
	16	04/97	56	NT	NI	NI	NI	NT	NT	NT	NI	NI
	17	07/97	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	18	12/97	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	19	04/98	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	20	07/98	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	21	11/98	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
Start of Full-Scale Bioremediation	22	3,5/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	23	07/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	24	12/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	25	06/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	26	07/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	27	08/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	28	12/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	29	01/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	30	06-07/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	31	09-10/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	32	12/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	33	01/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	34	02/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	35	06/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	36	10/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	37	01/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	38	07/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	39	12/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	40	02/04	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	41	06/04	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	42	08/04	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	43	11/04	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	45	06/05	NT	NT	270	150	140	84	90	27	NT	NT
	46	08/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	47	11/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	49	06/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	50	08/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	51	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	52	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	53	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	54	02/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	55	05/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	56	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	57	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	58	11/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:	**Total Organic Carbon (TOC), Sample Round No. 13,**									
	Chemical Oxygen Demand (COD), Subsequent Sample Rounds until Round No. 43. Data for that round respectively reflect COD and TOC concentrations.										
	Round Number	Sample Date	Groundwater RCMP = NA									
			GZ-1L	GZ-9L	GZ-201L	GZ-202L	GZ-203L	GZ--301	GZ-302	GZ-303	MW-1D	MW-7D
Pre-Injection Conditions	1	08/87	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	2	10/87	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	3	11/88	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	4	02/89	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	5	02/91	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	6	02-03/92	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	7	04/94	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	8	08/94	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	9	11/94	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	10	04/95	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	11	08/95	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	12	12/95	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	13	05/96	<0.5	NT	NI	NI	NI	NT	NT	NT	NI	NI
Start of Bioremediation Pilot Test	14	07/96	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	15	11/96	<5	NT	NI	NI	NI	NT	NT	NT	NI	NI
	16	04/97	<5	NT	NI	NI	NI	NT	NT	NT	NI	NI
	17	07/97	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	18	12/97	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	19	04/98	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	20	07/98	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	21	11/98	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
Start of Full-Scale Bioremediation	22	03/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	23	07/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	24	12/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	25	06/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	26	07/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	27	08/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	28	12/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	29	01/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	30	06-07/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	31	09-10/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	32	12/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	33	01/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	34	02/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	35	06/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	36	10/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	37	01/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	38	07/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	39	12/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	40	02/04	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	41	06/04	<10	30	20	10	10	NT	NT	NT	20	100
	42	08/04	<10	20	<10	<10	<10	NT	NT	NT	30	<10
	43	11/04	NT	NT	NT	NT	NT	20	20	NT	NT	NT
	44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	45	06/05	NT	NT	6	7	3.00	3	3	3	NT	NT
	46	08/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	47	11/05	NT	NT	<5	NT	NT	<5	NT	NT	NT	NT
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	49	06/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	50	08/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	51	10/06	NT	NT	NT	<5	NT	NT	NT	NT	NT	NT
	52	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	53	01/07	NT	NT	NT	24	NT	NT	NT	NT	NT	NT
	54	02/07	NT	NT	NT	8.8	NT	NT	NT	NT	NT	NT
	55	05/07	NT	NT	NT	16	NT	NT	NT	NT	NT	NT
	56	07/07	NT	NT	NT	10	NT	NT	NT	NT	NT	NT
	57	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	58	11/07	NT	NT	<5	11	NT	<5	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:		Nitrate									
	Round	Sample	Groundwater RCMP = GW-1 = 10 GW-2 = not established									
	Number	Date	GZ-1L	GZ-9L	GZ-201L	GZ-202L	GZ-203L	GZ--301	GZ-302	GZ-303	MW-1D	MW-7D
Pre-Injection Conditions	1	08/87	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	2	10/87	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	3	11/88	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	4	02/89	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	5	02/91	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	6	02-03/92	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	7	04/94	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	8	08/94	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	9	11/94	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	10	04/95	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	11	08/95	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	12	12/95	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	13	05/96	0.52	NT	NI	NI	NI	NT	NT	NT	NI	NI
Start of Bioremediation Pilot Test	14	07/96	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	15	11/96	1.6	NT	NI	NI	NI	NT	NT	NT	NI	NI
	16	04/97	0.42	NT	NI	NI	NI	NT	NT	NT	NI	NI
	17	07/97	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	18	12/97	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	19	04/98	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	20	07/98	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	21	11/98	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
Start of Full-Scale Bioremediation	22	3,5/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	23	07/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	24	12/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	25	06/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	26	07/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	27	08/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	28	12/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	29	01/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	30	06-07/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	31	09-10/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	32	12/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	33	01/02	<0.005	0.015	NI	NI	NI	NT	NT	NT	0.050	<0.005
	34	02/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	35	06/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	36	10/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	37	01/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	38	07/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	39	12/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	40	02/04	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	41	06/04	0.9	NT	NT	NT	NT	NT	NT	NT	<0.5	<0.5
	42	08/04	1.2	NT	NT	NT	NT	NT	NT	NT	<0.5	<0.5
	43	11/04	NT	NT	NT	NT	NT	<0.5	NT	NT	NT	NT
	44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	45	06/05	NT	NT	3.6	<0.5	3.50	<0.5	<0.5	<0.5	NT	NT
	46	08/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	47	11/05	NT	NT	1.9	NT	NT	<0.050	NT	<0.05	NT	NT
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	49	06/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	50	08/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	51	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	52	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	53	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	54	02/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	55	05/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	56	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	57	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	58	11/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:		**Sulfate**									
	Round Number	Sample Date	Groundwater RCMP: GW-1 = 500									
			GZ-1L	GZ-9L	GZ-201L	GZ-202L	GZ-203L	GZ--301	GZ-302	GZ-303	MW-1D	MW-7D
Pre-Injection Conditions	1	08/87	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	2	10/87	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	3	11/88	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	4	02/89	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	5	02/91	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	6	02-03/92	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	7	04/94	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	8	08/94	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	9	11/94	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	10	04/95	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	11	08/95	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	12	12/95	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	13	05/96	22	NT	NI	NI	NI	NT	NT	NT	NI	NI
Start of Bioremediation Pilot Test	14	07/96	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	15	11/96	18	NT	NI	NI	NI	NT	NT	NT	NI	NI
	16	04/97	16	NT	NI	NI	NI	NT	NT	NT	NI	NI
	17	07/97	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	18	12/97	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	19	04/98	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	20	07/98	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	21	11/98	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
Start of Full-Scale Bioremediation	22	3,5/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	23	07/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	24	12/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	25	06/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	26	07/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	27	08/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	28	12/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	29	01/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	30	06-07/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	31	09-10/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	32	12/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	33	01/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	34	02/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	35	06/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	36	10/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	37	01/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	38	07/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	39	12/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	40	02/04	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	41	06/04	20	NT	NT	NT	NT	NT	NT	NT	<1	25
	42	08/04	21	NT	NT	NT	NT	NT	NT	NT	<1	20
	43	11/04	NT	NT	NT	NT	NT	NT	25	NT	NT	NT
	44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	45	06/05	NT	NT	35	29	38	19	23	18	NT	NT
	46	08/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	47	11/05	NT	NT	31.0	NT	NT	21	NT	21	NT	NT
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	49	06/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	50	08/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	51	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	52	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	53	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	54	02/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	55	05/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	56	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	57	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	58	11/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:		Dissolved Oxygen									
	Round Number	Sample Date	Groundwater RCMP = NA									
			GZ-1L	GZ-9L	GZ-201L	GZ-202L	GZ-203L	GZ--301	GZ-302	GZ-303	MW-1D	MW-7D
Pre-Injection Conditions	1	08/87	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	2	10/87	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	3	11/88	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	4	02/89	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	5	02/91	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	6	02-03/92	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	7	04/94	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	8	08/94	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	9	11/94	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	10	04/95	5.2	NT	NI	NI	NI	NT	NT	NT	NI	NI
	11	08/95	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	12	12/95	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	13	05/96	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
Start of Bioremediation Pilot Test	14	07/96	4.2	NT	NI	NI	NI	NT	NT	NT	NI	NI
	15	11/96	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	16	04/97	6.6	NT	NI	NI	NI	NT	NT	NT	NI	NI
	17	07/97	+8	NT	NI	NI	NI	NT	NT	NT	NI	NI
	18	12/97	+7	NT	NI	NI	NI	NT	NT	NT	NI	NI
	19	04/98	+4	NT	NI	NI	NI	NT	NT	NT	NI	NI
	20	07/98	+3	NT	NI	NI	NI	NT	NT	NT	NI	NI
	21	11/98	+5	NT	NI	NI	NI	NT	NT	NT	NI	NI
Start of Full-Scale Bioremediation	22	3,5/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	23	07/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	24	12/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	25	06/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	26	07/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	27	08/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	28	12/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	29	01/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	30	06-07/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	31	09-10/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	32	12/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	33	01/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	34	02/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	35	06/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	36	10/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	37	01/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	38	07/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	39	12/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	40	02/04	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	41	06/04	2.8	2.4	5.9	1.2	3.5	NT	NT	NT	1.2	3.3
	42	08/04	3.8	1.9	3.2	1.9	3.2	NT	NT	NT	1.0	2.9
	43	11/04	NT	NT	NT	NT	NT	4.20	2.20	2.10	NT	NT
	44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	45	06/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	46	08/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	47	11/05	NT	NT	4.8	0.9	0.9	3.00	0.800	0.800	NT	NT
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	49	06/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	50	08/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	51	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	52	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	53	01/07	NT	NT	NT	1.4	NT	NT	NT	NT	NT	NT
	54	02/07	NT	NT	NT	5.4	NT	NT	NT	NT	NT	NT
	55	05/07	NT	NT	NT	1.1	NT	NT	NT	NT	NT	NT
	56	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	57	08/07	NT	NT	0.7	1.4	NT	3.9	NT	NT	NT	NT
	58	11/07	NT	NT	1.4	1.2	NT	2.8	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2A
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, LOWER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:		Oxidation Reduction Potential (ORP)									
	Round Number	Sample Date	Groundwater RCMP = NA									
			GZ-1L	GZ-9L	GZ-201L	GZ-202L	GZ-203L	GZ--301	GZ-302	GZ-303	MW-1D	MW-7D
Pre-Injection Conditions	1	08/87	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	2	10/87	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	3	11/88	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	4	02/89	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	5	02/91	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	6	02-03/92	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	7	04/94	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	8	08/94	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	9	11/94	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	10	04/95	+160	NT	NI	NI	NI	NT	NT	NT	NI	NI
	11	08/95	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	12	12/95	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	13	05/96	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
Start of Bioremediation Pilot Test	14	07/96	+125	NT	NI	NI	NI	NT	NT	NT	NI	NI
	15	11/96	+170	NT	NI	NI	NI	NT	NT	NT	NI	NI
	16	04/97	+260	NT	NI	NI	NI	NT	NT	NT	NI	NI
	17	07/97	+245	NT	NI	NI	NI	NT	NT	NT	NI	NI
	18	12/97	+220	NT	NI	NI	NI	NT	NT	NT	NI	NI
	19	04/98	+200	NT	NI	NI	NI	NT	NT	NT	NI	NI
	20	07/98	+140	NT	NI	NI	NI	NT	NT	NT	NI	NI
	21	11/98	+235	NT	NI	NI	NI	NT	NT	NT	NI	NI
Start of Full-Scale Bioremediation	22	3,5/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	23	07/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	24	12/99	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	25	06/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	26	07/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	27	08/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	28	12/00	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	29	01/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	30	06-07/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	31	09-10/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	32	12/01	NT	NT	NI	NI	NI	NT	NT	NT	NI	NI
	33	01/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	34	02/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	35	06/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	36	10/02	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	37	01/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	38	07/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	39	12/03	NT	NT	NI	NI	NI	NT	NT	NT	NT	NT
	40	02/04	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	41	06/04	+50	+40	+205	+135	+130	NT	NT	NT	+25	+95
	42	08/04	+140	+185	+175	+175	+110	NT	NT	NT	+5	+215
	43	11/04	NT	NT	NT	NT	NT	-5	-25	+70	NT	NT
	44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	45	06/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	46	08/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	47	11/05	NT	NT	+70	+35	+70	+225	+25	+245	NT	NT
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	49	06/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	50	08/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	51	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	52	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	53	01/07	NT	NT	NT	+35	NT	NT	NT	NT	NT	NT
	54	02/07	NT	NT	NT	+40	NT	NT	NT	NT	NT	NT
	55	05/07	NT	NT	NT	+15	NT	NT	NT	NT	NT	NT
	56	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	57	08/07	NT	NT	95	70	NT	100	NT	NT	NT	NT
	58	11/07	NT	NT	40	10	NT	15	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2
WATER QUALITY SUMMARY TABLE

Site Name: Former Wastewater Treatment Facility — Groundwater Management Permit #: GWP-840533-S-002
Site Town: Salem, New Hampshire — (DES #: 840533)

Notes:

1. Sample Round Nos. 1 through 4, 6, and subsequent rounds were carried out by GZA GeoEnvironmental, Inc. (GZA) or Eastern Analytical, Inc. (EAI) on the dates indicated. Sample Round No. 5 was carried out by the New Hampshire Department of Environmental Services (NHDES) on the date indicated. Please refer to the analytical laboratory reports for additional information.
2. Concentration is in milligrams per liter (mg/L), which is equivalent to parts per million (ppm). Oxidation-reduction potential (ORP) is in millivolts (mV).
3. "<" indicates that the respective parameter was not detected above the reported practical quantification limit (PQL).
4. "≤" indicates that the respective parameter was detected, but below the reported PQL. "ND" indicates that the respective parameter was not detected above the PQL. "OR" indicates that the respective parameter was of range of the meter.
5. For the Chemical Oxygen Demand (COD)/Total Organic Carbon (TOC) table, where values for both parameters are available for a given sampling round, the COD value is provided first, followed by the TOC value (e.g., 520/180).
6. This table considers only those parameters that were analyzed for and detected. Please refer to current and past analytical laboratory reports for the complete list of analytes.
7. "RCMP" refers to NHDES Risk Characterization and Management Policy groundwater quality standards. The designations GW-1 and GW-2 are from the Method 1 Groundwater Standards. The more stringent value for either GW-1 or GW-2 was used as the standard. "SWQR" indicates Surface Water Quality Regulations. The more stringent of the two regulations (RCMP or SWQR) was used for surface water samples. "NA" indicates not available for respective parameter. Values in **bold** reflect exceedances of standards, or that the concentration was at the respective standard.
8. "NT" indicates respective parameter was not tested during the respective sample round. For the case of GZ-10L during Sample Round No. 7 and subsequent rounds, the reason was the destruction of this monitoring well. GZA attempted, but was unable to repair and sample this well during the July 1994 round, and then established monitoring well GZ-2L as a replacement sampling location. "NI" indicates monitoring well not installed on respective date.
9. Please note that methyl *tert*-butyl ether (M*t*BE) was detected, but below the PQL limit in a groundwater sample collected from monitoring well GZ-1L during Sample Round No. 9 and in a sample collected from surface water sampling location SW-6 at a concentration of 0.0068 ppm during Sample Round No. 13. Note: The RCMP standard for M*t*BE is 0.013 ppm. 1,4-dichlorobenzene (1,4-DCB) and 1,2-dichlorobenzene (1,2-DCB) were detected at concentrations of 0.0021 and 0.0053 ppm, respectively, in monitoring well GZ-3A during Sample Round No. 11. Note: The RCMP standard for 1,4-DCB and 1,2-DCB is 0.075 and 0.6 ppm, respectively.
10. Dissolved oxygen and ORP analysis were performed in the field using parameter-specific electrodes.
11. Monitoring wells MW-1 through MW-8 were installed by Jacques Whitford Company, Inc. between January 14, 2002 and January 16, 2002.
12. Ethane, Ethene, 1,4-Dichlorobenzene and 1,2-Dichlorobenzene were detected at MW-1D during the June 2004 monitoring round at concentrations of 0.18 mg/L, 0.24 mg/L, 0.002 mg/L and 0.001 mg/L, respectively.
13. Chlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, and 1,2-Dichlorobenzene were detected at GZ-408 during the December monitoring round at concentrations of 0.0065 mg/L, 0.0051 mg/L, 0.023 mg/L, and 0.0025 mg/L respectively.
14. 1,2 Dichlorobenzene was detected in GZ-3A during the 8/7/2007 sampling round at a concentration of 0.0053 mg/L.
15. 1,1,2 Trichloroethene was detected during the 8/22/2007 sampling round in GZ-601U and GZ-606U at concentrations of 0.069 mg/L and 0.085 mg/L respectively.

TABLE 2B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

Contaminant: **Methylene Chloride (Dichloromethane)**

Groundwater RCMP: GW-1 = 0.005 GW-2 = 50

	Round Number	Sample Date	GZ-2L	GZ-3L	GZ-4L	GZ-5R	GZ-7	GZ-8L	GZ-10L	GZ-401	GZ-402L	GZ-403L	GZ-404L	GZ-405L	GZ-406L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-611L	GZ-3B
Pre-Injection Conditions	1	08/87	NT	NT	NT	NT	ND	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	2	10/87	NT	NT	NT	NT	ND	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	3	11/88	NT	**0.085**	**0.062**	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0190**
	4	02/89	NT	**0.33**	**0.065**	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0330**
	5	02/91	NT	<0.01	NT	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01
	6	02-03/92	NT	<0.05	<0.005	NT	NT	NT	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<1.0
	7	04/94	NT	<0.001	0.002	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	8	08/94	NT	<0.4	<0.2	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.04
	9	11/94	<0.05	<0.1	<0.05	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	10	04/95	<0.25	<0.25	<0.25	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	11	08/95	<0.05	<0.5	<0.2	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	12	12/95	<0.001	<0.001	<0.001	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	13	05/96	<0.05	<0.1	<0.2	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.1
	14	07/96	<0.001	<0.2	<0.001	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.2
	15	11/96	<1.0	<0.4	<0.1	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<1.0
	16	04/97	<0.05	<0.1	<0.1	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.1
Start of Bioremediation Pilot Test	17	07/97	<0.4	<0.1	<0.05	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	18	12/97	<0.4	<0.2	<0.05	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	19	04/98	<0.4	<0.2	<0.1	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.25
	20	07/98	<0.05	<0.075	<0.05	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	21	11/98	<0.05	<0.05	<0.025	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.1
	22	3,5/99	<0.04	<0.1	<0.01	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.025
	23	07/99	<0.0025	<0.2	<0.025	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	24	12/99	<0.001	<0.025	<0.01	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01
Start of Full-Scale Bioremediation	25	06/00	<0.002	<0.25	<0.005	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.02
	26	07/00	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	27	08/00	0.0250	0.0500	<0.005	NT	NT	0.0010	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0100
	28	12/00	<0.01	<0.2	<0.05	NT	NT	<0.01	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.5
	29	01/01	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	30	06-07/01	<0.0025	<0.05	<0.001	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	31	09-10/01	<0.0025	<0.020	<0.001	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01
	32	12/01	<0.001	<0.005	<0.001	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.02
	33	01/02	<0.003	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	34	02/02	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	35	06/02	<0.001	<0.01	<0.005	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	36	10/02	<0.005	<0.005	<0.005	NT	NT	<0.005	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.005
	37	01/03	<0.03	<0.05	<0.01	NT	NT	<0.005	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.005
	38	07/03	<0.1	<0.1	<0.005	NT	NT	<0.005	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.005
	39	12/03	<0.03	<0.1	<0.005	NT	NT	<0.005	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.005
	40	02/04	NT	NT	<0.005	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	41	06/04	<0.03	<0.050	<0.005	NT	NT	<0.005	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	42	08/04	<0.005	<0.005	<0.005	NT	NT	<0.005	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	43	11/04	<0.05	<0.05	<.005	NT	NT	<.005	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	44	01/05	NT	NT	NT	NT	NT	NT	NT	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	45	06/05	<0.05	<0.05	<0.005	NT	NT	<0.005	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	46	08/05	<0.050	<0.050	<0.005	NT	NT	<0.005	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.005
	47	11/05	<0.002	<0.005	<0.005	NT	NT	<0.001	NT	<0.005	<0.005	<0.002	<0.002	<0.010	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.025	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	49	06/06	<0.001	<0.0025	<0.001	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	50	08/06	**0.015**	**0.0056**	<0.001	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	51	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	NT	NT	<0.025	<0.001	<0.025	<0.001	NI	NI	NI	NI	NI	NI	NT
	52	12/06	<0.0025	<0.01	<0.001	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	<0.001
	53	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.0025	NT	NT	<0.001	<0.001	**0.063**	<0.001	NI	NI	NI	NI	NI	NI	NT
	54	02/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.100	NT	NT	<0.001	<0.001	<2.5	<0.001	NI	NI	NI	NI	NI	NI	NT
	55	05/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.25	NT	NT	<0.001	<0.001	<5	<0.005	NI	NI	NI	NI	NI	NI	NT
	56	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.500	NT	NT	<0.001	<0.0025	<10	<0.001	NI	NI	NI	NI	NI	NI	NT
	57	08/07	<0.001	<0.005	<0.001	NT	NT	<0.001	NT	NT	NT	NT	NT	<0.250	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	<0.001
	58	09/07	NT	NT	NT	NT	NT	<0.002	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NT
	59	11/07	<0.002	<0.005	<0.002	NT	NT	NT	NT	NT	NT	NT	NT	<0.5	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.002

NOTE: Please refer to last page for table notes.

TABLE 2B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

		Contaminant:	**1,1-Dichloroethene**																							
	Round Number	Sample Date	Groundwater RCMP: GW-1 = 0.007 GW-2 = 0.001																							
			GZ-2L	GZ-3L	GZ-4L	GZ-5R	GZ-7	GZ-8L	GZ-10L	GZ-401	GZ-402L	GZ-403L	GZ-404L	GZ-405L	GZ-406L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-611L	GZ-3B
Pre-Injection Conditions	1	08/87	NT	NT	NT	NT	ND	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	2	10/87	NT	NT	NT	NT	ND	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	3	11/88	NT	**0.2500**	**0.2300**	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.2500**
	4	02/89	NT	**0.6900**	**0.3000**	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0370**
	5	02/91	NT	**0.0880**	NT	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.1320**
	6	02-03/92	NT	**0.0380**	**0.0260**	NT	NT	NT	**0.0110**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**2.3000**
	7	04/94	NT	**0.0097**	**0.0610**	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0250**
	8	08/94	NT	<0.2	<0.1	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	£0.02
	9	11/94	<0.05	<0.1	<0.05	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0110**
	10	04/95	<0.25	<0.25	<0.25	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	11	08/95	<0.05	<0.5	<0.2	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0340**
	12	12/95	**0.0360**	**0.0190**	**0.0180**	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	13	05/96	<0.05	<0.1	<0.2	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.1
	14	07/96	**0.2200**	<0.2	**0.0190**	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.2
	15	11/96	<1.0	<0.4	<0.1	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.2
	16	04/97	<0.05	<0.1	<0.1	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.1
Start of Bioremediation Pilot Test	17	07/97	<0.4	<0.1	<0.05	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	18	12/97	<0.4	<0.2	<0.05	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	19	04/98	<0.4	<0.2	<0.1	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.25
	20	07/98	<0.05	<0.075	<0.05	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	21	11/98	<0.05	<0.05	<0.025	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.1
	22	3,5/99	<0.04	<0.1	<0.01	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.025
	23	07/99	<0.0025	<0.1	<0.025	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	24	12/99	<0.001	**0.0320**	<0.01	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01
Start of Full-Scale Bioremediation	25	06/00	**0.0190**	<0.25	<0.005	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.02
	26	07/00	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	27	08/00	**0.0390**	<0.05	<0.005	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0250**
	28	12/00	<0.01	<0.02	<0.005	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	29	01/01	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	30	06-07/01	<0.0025	<0.05	<0.001	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	31	09-10/01	<0.0025	<0.020	<0.001	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01
	32	12/01	<0.001	<0.005	<0.001	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.02
	33	01/02	<0.001	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	34	02/02	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	35	06/02	<0.001	<0.01	<0.005	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	36	10/02	**0.003**	**0.016**	<0.001	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	37	01/03	<0.005	<0.01	<0.002	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	38	07/03	<0.02	<0.02	<0.001	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	39	12/03	<0.005	<0.02	<0.001	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.005
	40	02/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	41	06/04	<0.005	<0.010	<0.001	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	42	08/04	<0.001	<0.001	<0.001	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	43	11/04	<0.01	<0.01	<0.001	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	44	01/05	NT	NT	NT	NT	NT	NT	NT	<.001	<.001	<.001	<.001	<.001	<.001	<.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	45	06/05	<0.01	<0.01	<0.001	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	46	08/05	<0.010	<0.010	<0.001	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	47	11/05	<0.002	<0.005	<0.005	NT	NT	<0.001	NT	<0.005	<0.005	<0.002	<0.002	<0.010	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.025	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	49	06/06	0.0038	<0.0025	<0.001	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	51	08/06	<0.01	<0.005	<0.001	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	51	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	NT	NT	<0.025	<0.001	<0.025	<0.001	NI	NI	NI	NI	NI	NI	NT
	52	12/06	<0.0025	<0.01	<0.001	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	<0.001
	53	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	**0.0051**	NT	NT	<0.001	<0.001	**0.059**	<0.001	NI	NI	NI	NI	NI	NI	NT
	54	02/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.100	NT	NT	<0.001	<0.001	<2.5	<0.001	NI	NI	NI	NI	NI	NI	NT
	55	05/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.25	NT	NT	<0.001	<0.001	<5	<0.005	NI	NI	NI	NI	NI	NI	NT
	56	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.500	NT	NT	<0.001	<0.0025	<10	<0.001	NI	NI	NI	NI	NI	NI	NT
	57	08/07	<0.001	<0.005	<0.001	NT	NT	<0.001	NT	NT	NT	NT	NT	<0.250	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	<0.001
	58	09/07	NT	NT	NT	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0021	<0.001	**0.007**	**0.0061**	**0.0074**	<0.001	NT
	59	11/07	<0.001	<0.0025	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	<0.25	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001

NOTE: Please refer to last page for table notes.

TABLE 2B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

		Contaminant:	**1,1-Dichloroethane**																							
	Round Number	Sample Date	Groundwater RCMP: GW-1 = 0.081 GW-2 = 9.0																							
			GZ-2L	GZ-3L	GZ-4L	GZ-5R	GZ-7	GZ-8L	GZ-10L	GZ-401	GZ-402L	GZ-403L	GZ-404L	GZ-405L	GZ-406L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-611L	GZ-3B
Pre-Injection Conditions	1	08/87	NT	NT	NT	NT	ND	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	2	10/87	NT	NT	NT	NT	ND	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	3	11/88	NT	**0.44**	**0.25**	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.47**
	4	02/89	NT	**0.46**	**0.24**	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.66**
	5	02/91	NT	0.01	NT	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0140
	6	02-03/92	NT	**0.63**	**0.12**	NT	NT	NT	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.2
	7	04/94	NT	**0.11**	**0.10**	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.09**
	8	08/94	NT	<0.2	£0.1	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0480
	9	11/94	**0.1600**	**0.16**	<0.05	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0520
	10	04/95	**0.3900**	**0.26**	<0.25	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	£0.05
	11	08/95	£0.05	<0.5	<0.2	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0940**
	12	12/95	**0.1300**	**0.18**	0.0580	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	13	05/96	<0.05	<0.1	<0.2	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.1
	14	07/96	**0.3800**	<0.2	0.0420	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.2
	15	11/96	<1.0	<0.4	<0.1	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.2
	16	04/97	0.0740	<0.1	<0.1	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.1
Start of Bioremediation Pilot Test	17	07/97	**0.5800**	<0.1	<0.05	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0820**
	18	12/97	**0.5600**	<0.2	<0.05	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0720
	19	04/98	<0.4	<0.2	<0.1	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.25
	20	07/98	0.0550	**0.0920**	<0.05	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	21	11/98	**0.2400**	**0.1300**	<0.025	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.1
	22	3,5/99	0.0670	**0.2800**	0.0310	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0730
	23	07/99	0.0420	<0.1	<0.025	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.1100**
	24	12/99	0.0700	**0.3000**	<0.01	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0170
Start of Full-Scale Bioremediation	25	06/00	0.0560	**0.4500**	0.0120	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.02
	26	07/00	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	27	08/00	**0.2000**	0.0660	0.0110	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0690
	28	12/00	0.0170	**0.1900**	0.0061	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	29	01/01	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	30	06-07/01	0.0059	0.0710	0.013	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	31	09-10/01	0.063	<0.020	0.0023	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.031
	32	12/01	0.0320	0.033	0.0036	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.02
	33	01/02	0.0290	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	34	02/02	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	35	06/02	0.0056	0.0330	<0.005	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.011
	36	10/02	0.037	**0.1**	0.007	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	37	01/03	0.017	0.08	0.008	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	38	07/03	0.06	0.08	0.008	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	39	12/03	0.037	**0.35**	0.008	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	40	02/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	41	06/04	<0.005	0.080	0.0070	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	42	08/04	0.005	0.021	0.007	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	43	11/04	<0.01	0.0500	0.0080	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	44	01/05	NT	NT	NT	NT	NT	NT	NT	<0.002	<0.002	<0.002	0.0150	<0.002	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	45	06/05	<0.01	0.11	0.0080	NT	NT	<0.002	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	46	08/05	<0.010	0.0200	0.0070	NT	NT	<0.002	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0170
	47	11/05	<0.002	0.0300	0.0052	NT	NT	<0.001	NT	<0.005	<0.005	0.0036	0.0170	<0.010	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0078
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.025	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	49	06/06	0.015	0.026	0.0039	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	51	08/06	**0.15**	0.046	0.0034	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	51	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	NT	NT	<0.025	<0.001	<0.025	<0.001	NI	NI	NI	NI	NI	NI	NT
	52	12/06	<0.0025	0.06	0.0045	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	0.0065
	53	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.0025	NT	NT	<0.001	<0.001	0.056	<0.001	NI	NI	NI	NI	NI	NI	NT
	54	02/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.100	NT	NT	<0.001	<0.001	<2.5	<0.001	NI	NI	NI	NI	NI	NI	NT
	55	05/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.25	NT	NT	<0.001	<0.001	<5	<0.005	NI	NI	NI	NI	NI	NI	NT
	56	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.500	NT	NT	0.0013	0.0046	<10	<0.001	NI	NI	NI	NI	NI	NI	NT
	57	08/07	0.051	0.14	0.0034	NT	NT	<0.001	NT	NT	NT	NT	NT	<0.250	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	0.012
	58	09/07	NT	NT	NT	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.002	<0.001	0.036	0.0046	0.038	<0.001	NT
	59	11/07	0.012	0.012	0.0037	NT	NT	NT	NT	NT	NT	NT	NT	<0.250	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0084

NOTE: Please refer to last page for table notes.

TABLE 2B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:	**1,2-Dichloroethane**																							
	Round Number	Sample Date	Groundwater RCMP: GW-1 = 0.005 GW-2 = 0.020																						
			GZ-2L	GZ-3L	GZ-4L	GZ-5R	GZ-7	GZ-8L	GZ-10L	GZ-401	GZ-402L	GZ-403L	GZ-404L	GZ-405L	GZ-406L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-611L	GZ-3B
Pre-Injection Conditions	1	08/87	NT	NT	NT	NT	ND	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	2	10/87	NT	NT	NT	NT	ND	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	3	11/88	NT	ND	ND	NT	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND
	4	02/89	NT	ND	ND	NT	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND
	5	02/91	NT	<0.005	NT	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.005
	6	02-03/92	NT	<0.01	<0.001	NT	NT	NT	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.2
	7	04/94	NT	<0.001	<0.001	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	8	08/94	NT	<0.2	<0.1	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.02
	9	11/94	<0.05	<0.1	<0.05	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	10	04/95	<0.25	<0.25	<0.25	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	11	08/95	<0.05	<0.5	<0.2	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	12	12/95	<0.001	<0.001	<0.001	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	13	05/96	<0.05	<0.1	<0.2	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.1
	14	07/96	<0.001	<0.2	<0.001	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.2
	15	11/96	<1.0	<0.4	<0.1	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.2
	16	04/97	<0.05	<0.1	<0.1	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.1
Start of Bioremediation Pilot Test	17	07/97	<0.4	<0.1	<0.05	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	18	12/97	<0.4	<0.2	<0.05	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	19	04/98	<0.4	<0.2	<0.1	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.25
	20	07/98	<0.05	<0.075	<0.05	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	21	11/98	<0.05	<0.05	<0.025	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.1
	22	3,5/99	<0.04	<0.1	<0.01	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.025
	23	07/99	<0.0025	<0.1	<0.025	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	24	12/99	<0.001	<0.025	<0.01	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01
Start of Full-Scale Bioremediation	25	06/00	<0.002	<0.25	<0.005	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.02
	26	07/00	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	27	08/00	<0.025	<0.05	<0.005	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01
	28	12/00	<0.001	<0.02	<0.005	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	29	01/01	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	30	06-07/01	<0.0025	<0.05	<0.001	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	31	09-10/01	<0.0025	<0.020	<0.001	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01
	32	12/01	<0.001	<0.005	<0.001	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.02
	33	01/02	<0.001	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	34	02/02	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	35	06/02	<0.001	<0.01	<0.005	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	36	10/02	<0.002	<0.002	<0.002	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	37	01/03	<0.005	<0.01	<0.002	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	38	07/03	<0.02	<0.02	<0.002	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	39	12/03	<0.005	<0.02	<0.002	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	40	02/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	41	06/04	<0.005	<0.010	<0.002	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	42	08/04	<0.002	<0.002	<0.002	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	43	11/04	<0.01	<0.01	<0.002	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	44	01/05	NT	NT	NT	NT	NT	NT	NT	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	45	06/05	<0.01	<0.01	<0.002	NT	NT	<0.002	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	46	08/05	<0.010	<0.010	<0.002	NT	NT	<0.002	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	47	11/05	<0.002	<0.005	<0.005	NT	NT	<0.001	NT	<0.005	<0.005	<0.002	<0.002	<0.010	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.025	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	49	06/06	<0.001	<0.0025	<0.001	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	51	08/06	<0.01	<0.005	<0.001	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	51	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	NT	NT	<0.025	<0.001	<0.025	<0.001	NI	NI	NI	NI	NI	NI	NT
	52	12/06	<0.0025	<0.01	<0.001	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	<0.001
	53	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.0025	NT	NT	<0.001	<0.001	**0.066**	<0.001	NI	NI	NI	NI	NI	NI	NT
	54	02/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.100	NT	NT	<0.001	<0.001	<2.5	<0.001	NI	NI	NI	NI	NI	NI	NT
	55	05/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.25	NT	NT	<0.001	<0.001	<5	<0.005	NI	NI	NI	NI	NI	NI	NT
	56	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.500	NT	NT	<0.001	<0.0025	<10	<0.001	NI	NI	NI	NI	NI	NI	NT
	57	08/07	<0.001	<0.005	<0.001	NT	NT	<0.001	NT	NT	NT	NT	NT	<0.250	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	<0.001
	58	09/07	NT	NT	NT	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NT
	59	11/07	<0.001	<0.0025	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	<0.250	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001

NOTE: Please refer to last page for table notes.

TABLE 2B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:	**Total 1,2-Dichloroethenes**																							
	Round	Sample	Groundwater RCMP: GW-1 = 0.07 GW-2 = not established																						
	Number	Date	GZ-2L	GZ-3L	GZ-4L	GZ-5R	GZ-7	GZ-8L	GZ-10L	GZ-401	GZ-402L	GZ-403L	GZ-404L	GZ-405L	GZ-406L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-611L	GZ-3B
Pre-Injection Conditions	1	08/87	NT	NT	NT	NT	0.0140	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	2	10/87	NT	NT	NT	NT	0.0030	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	3	11/88	NT	**79.39**	**29.12**	0.0270	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**32.11**
	4	02/89	NT	**64.14**	**39.17**	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**49.2**
	5	02/91	NT	**27.0**	NT	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**16.0**
	6	02-03/92	NT	**70.0**	**22.0**	NT	NT	NT	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**6.0**
	7	04/94	NT	**7.421**	**12.032**	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**9.124**
	8	08/94	NT	**13**	**8.3**	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**2.9**
	9	11/94	**11**	**12**	**11**	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**4.107**
	10	04/95	**36**	**16**	**6.3**	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**2.1**
	11	08/95	**2.2**	**6.3**	**4.7**	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**6.022**
	12	12/95	**15.028**	**18.032**	**5.612**	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**5.9**
	13	05/96	**5.0**	**3.9**	**6.2**	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**8.2**
	14	07/96	**66.13**	**17.0**	**7.91**	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**7.9**
	15	11/96	**23.0**	**14.0**	**5.8**	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**7.2**
	16	04/97	**4.3**	**4.9**	**3.3**	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**4.3**
Start of Bioremediation Pilot Test	17	07/97	**64**	**8.4**	**3.6**	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**6.2**
	18	12/97	**23**	**12**	**4.5**	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**5.9**
	19	04/98	**10**	**9.1**	**4.4**	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**6.1**
	20	07/98	**9**	**12**	**5.1**	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**9.9**
	21	11/98	**0.087**	**5.5**	**0.54**	NT	NT	0.0014	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**3.4**
	22	3,5/99	**0.28**	**22**	**2**	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**4.9**
	23	07/99	0.0156	**3.8**	**3**	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**6**
	24	12/99	0.0170	**14.064**	**0.41**	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.92**
Start of Full-Scale Bioremediation	25	06/00	**5.118**	**24.0**	**0.27**	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.83**
	26	07/00	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	27	08/00	**6.653**	**1.7**	**0.4054**	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**3.949**
	28	12/00	**0.2056**	**3.1**	**0.55**	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**3**
	29	01/01	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	30	06-07/01	**0.1325**	**5.2**	**0.0899**	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	31	09-10/01	**0.592**	**1.2**	0.0435	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**4.111**
	32	12/01	**0.083**	**2.7**	0.023	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**1.7**
	33	01/02	0.042	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	34	02/02	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	35	06/02	**0.079**	**2**	0.061	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.085**
	36	10/02	**0.83**	**4.328**	0.008	NT	NT	<0.004	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.014
	37	01/03	**0.201**	**1.62**	0.05	NT	NT	<0.004	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01
	38	07/03	**3.42**	**3.93**	0.003	NT	NT	<0.004	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.012
	39	12/03	**0.998**	**5.14**	0.003	NT	NT	<0.004	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.006
	40	02/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	41	06/04	0.0280	**1.310**	0.002	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	42	08/04	0.017	**0.224**	0.003	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	43	11/04	<0.01	**0.6100**	0.0030	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	44	01/05	NT	NT	NT	NT	NT	NT	NT	<0.002	**0.0880**	<0.002	0.0090	<0.002	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	45	06/05	0.0100	**0.62**	0.0140	NT	NT	<0.002	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	46	08/05	0.0100	**0.2000**	<0.002	NT	NT	<0.002	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	47	11/05	0.0110	**0.0546**	0.0640	NT	NT	<0.001	NT	<0.005	0.0530	<0.002	0.0149	<0.010	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.50	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	49	06/06	**0.906**	**0.1665**	0.0418	NT	NT	<0.002	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	51	08/06	**1.136**	**0.889**	0.008	NT	NT	<0.002	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	51	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.002	NT	NT	<0.05	0.0025	0.026	<0.001	NI	NI	NI	NI	NI	NI	NT
	52	12/06	0.013	**0.24**	0.0085	NT	NT	<0.002	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	0.0019
	53	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.0025	NT	NT	0.0017	0.0032	**0.28**	0.0015	NI	NI	NI	NI	NI	NI	NT
	54	02/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.100	NT	NT	0.0077	0.0034	<2.5	0.0015	NI	NI	NI	NI	NI	NI	NT
	55	05/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.25	NT	NT	0.019	0.0068	<5	0.0061	NI	NI	NI	NI	NI	NI	NT
	56	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<1.000	NT	NT	0.067	0.021	<20	0.0052	NI	NI	NI	NI	NI	NI	NT
	57	08/07	0.019	**0.12**	0.001	NT	NT	<0.002	NT	NT	NT	NT	NT	<0.500	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	<0.002
	58	09/07	NT	NT	NT	NT	NT	<0.002	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	**0.32**	0.0048	0.055	**0.34**	**1.5**	<0.002	NT
	59	11/07	0.007	**0.04**	0.0019	NT	NT	NT	NT	NT	NT	NT	NT	**0.92**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.002

NOTE: Please refer to last page for table notes.

TABLE 2B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:	**Chloroform (Trichloromethane)**																							
	Round	Sample	Groundwater RCMP: GW-1 = 0.006 GW-2 = 0.400																						
	Number	Date	GZ-2L	GZ-3L	GZ-4L	GZ-5R	GZ-7	GZ-8L	GZ-10L	GZ-401	GZ-402L	GZ-403L	GZ-404L	GZ-405L	GZ-406L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-611L	GZ-3B
Pre-Injection Conditions	1	08/87	NT	NT	NT	NT	ND	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	2	10/87	NT	NT	NT	NT	ND	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	3	11/88	NT	ND	ND	ND	ND	0.003	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND
	4	02/89	NT	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND
	5	02/91	NT	<0.005	NT	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.005
	6	02-03/92	NT	<0.01	<0.001	NT	NT	NT	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.2
	7	04/94	NT	<0.001	<0.001	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	8	08/94	NT	<0.2	<0.1	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.02
	9	11/94	<0.05	<0.1	<0.05	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	10	04/95	<0.5	<0.5	<0.5	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.1
	11	08/95	<0.05	<0.5	<0.2	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	12	12/95	<0.001	<0.001	<0.001	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	13	05/96	<0.05	<0.1	<0.2	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.1
	14	07/96	<0.001	<0.2	<0.001	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.2
	15	11/96	<1.0	<0.4	<0.1	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.2
	16	04/97	<0.05	<0.1	<0.1	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.1
Start of Bioremediation Pilot Test	17	07/97	<0.04	<0.1	<0.05	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	18	12/97	<0.4	<0.2	<0.05	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	19	04/98	<0.4	<0.2	<0.1	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.25
	20	07/98	<0.05	<0.075	<0.05	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	21	11/98	<0.05	<0.05	<0.025	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.1
	22	3,5/99	<0.04	<0.1	<0.01	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.025
	23	07/99	<0.0025	<0.1	<0.025	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	24	12/99	<0.001	<0.025	<0.01	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01
Start of Full-Scale Bioremediation	25	06/00	<0.002	<0.25	<0.005	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.02
	26	07/00	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	27	08/00	<0.05	<0.1	<0.01	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.02
	28	12/00	<0.001	<0.02	<0.005	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	29	01/01	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	30	06-07/01	<0.0025	<0.05	<0.0010	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	31	09-10/01	<0.0025	<0.020	<0.001	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01
	32	12/01	<0.001	<0.005	<0.001	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.02
	33	01/02	<0.001	<0.001	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	34	02/02	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	35	06/02	<0.001	<0.001	<0.005	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01
	36	10/02	<0.002	<0.002	<0.002	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	37	01/03	<0.005	<0.01	<0.002	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	38	07/03	<0.02	<0.02	<0.002	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	39	12/03	<0.005	<0.02	<0.002	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	40	02/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	41	06/04	<0.005	<0.010	<0.002	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	42	08/04	<0.002	<0.002	<0.002	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	43	11/04	<0.01	<0.01	<0.002	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	45	06/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	46	08/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	47	11/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	49	06/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	51	08/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	51	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
	52	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
	53	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
	54	02/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
	55	05/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
	56	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
	57	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
	58	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	59	11/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

		Contaminant:	**1,1,1-Trichloroethane**																						
	Round Number	Sample Date	Groundwater RCMP: GW-1 = 0.2 GW-2 = 4.00																						
			GZ-2L	GZ-3L	GZ-4L	GZ-5R	GZ-7	GZ-8L	GZ-10L	GZ-401	GZ-402L	GZ-403L	GZ-404L	GZ-405L	GZ-406L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-611L	GZ-3B
Pre-Injection Conditions	1	08/87	NT	NT	NT	NT	ND	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	2	10/87	NT	NT	NT	NT	ND	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	3	11/88	NT	**3.9**	**3.0**	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.4**
	4	02/89	NT	**1.3**	**3.9**	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.66**
	5	02/91	NT	**0.79**	NT	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.005
	6	02-03/92	NT	**0.28**	**0.33**	NT	NT	NT	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.2
	7	04/94	NT	0.110	**0.35**	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	8	08/94	NT	**0.38**	**0.22**	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.02
	9	11/94	0.14	**0.39**	<0.05	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	10	04/95	**0.54**	£0.25	**0.25**	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	11	08/95	<0.05	**0.21**	£0.2	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	12	12/95	0.087	**0.29**	0.18	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	13	05/96	<0.05	<0.1	<0.3	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.2
	14	07/96	**0.29**	<0.2	0.14	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.2
	15	11/96	<1.0	<0.4	0.13	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.2
	16	04/97	0.1	<0.1	<0.1	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.1
Start of Bioremediation Pilot Test	17	07/97	**0.45**	<0.1	0.083	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	18	12/97	**0.54**	**0.22**	0.12	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	19	04/98	<0.4	<0.2	0.15	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.25
	20	07/98	0.13	<0.075	0.088	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	21	11/98	<0.05	0.06	<0.025	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.1
	22	3,5/99	0.051	<0.1	<0.01	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.025
	23	07/99	0.0032	<0.1	<0.025	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.11
	24	12/99	0.01	<0.025	<0.01	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01
Start of Full-Scale Bioremediation	25	06/00	**0.28**	<0.25	<0.005	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.02
	26	07/00	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	27	08/00	**0.44**	<0.05	<0.005	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01
	28	12/00	0.016	<0.02	<0.005	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	29	01/01	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	30	06-07/01	0.0076	<0.05	<0.001	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	31	09-10/01	0.0025	<0.020	<0.001	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01
	32	12/01	<0.001	0.022	<0.001	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.02
	33	01/02	<0.001	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	34	02/02	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	35	06/02	<0.001	<0.01	<0.005	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	36	10/02	0.003	0.034	<0.002	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	37	01/03	<0.005	<0.01	<0.002	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	38	07/03	<0.02	<0.02	<0.002	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	39	12/03	0.03	<0.02	<0.002	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	40	02/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	41	06/04	<0.005	<0.010	<0.002	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	42	08/04	<0.002	0.0070	<0.002	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	43	11/04	<0.01	<0.01	<0.002	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	44	01/05	NT	NT	NT	NT	NT	NT	NT	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	45	06/05	<0.010	<0.010	<0.002	NT	NT	<0.002	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	46	08/05	<0.010	0.0100	<0.002	NT	NT	<0.002	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	47	11/05	<0.002	<0.005	<0.005	NT	NT	<0.001	NT	<0.005	<0.005	<0.002	<0.002	**0.4800**	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.001
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	**0.3600**	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	49	06/06	0.018	<0.0025	<0.001	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	51	08/06	<0.01	0.025	<0.001	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	51	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.002	NT	NT	0.027	0.0032	0.15	<0.001	NI	NI	NI	NI	NI	NI	NT
	52	12/06	<0.0025	<0.01	<0.001	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	<0.001
	53	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	**0.56**	NT	NT	0.0014	0.0029	**18**	<0.001	NI	NI	NI	NI	NI	NI	NT
	54	02/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	**1.6**	NT	NT	0.0045	0.0034	**34**	0.028	NI	NI	NI	NI	NI	NI	NT
	55	05/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	**2.7**	NT	NT	<0.001	0.0063	**110**	0.098	NI	NI	NI	NI	NI	NI	NT
	56	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	**1.3**	NT	NT	<0.001	0.0840	**47**	0.0029	NI	NI	NI	NI	NI	NI	NT
	57	08/07	0.0015	0.0073	<0.001	NT	NT	<0.001	NT	NT	NT	NT	NT	**1.4**	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	<0.001
	58	09/07	NT	NT	NT	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	0.0044	0.14	0.035	0.2	<0.001	NT
	59	11/07	<0.001	0.004	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	**1.8**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001

NOTE: Please refer to last page for table notes.

TABLE 2B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:	**Trichloroethene**																							
	Round Number	Sample Date	Groundwater RCMP: GW-1 = 0.005 GW-2 = 0.300																						
			GZ-2L	GZ-3L	GZ-4L	GZ-5R	GZ-7	GZ-8L	GZ-10L	GZ-401	GZ-402L	GZ-403L	GZ-404L	GZ-405L	GZ-406L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-611L	GZ-3B
Pre-Injection Conditions	1	08/87	NT	NT	NT	NT	**0.330**	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	2	10/87	NT	NT	NT	NT	**0.006**	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	3	11/88	NT	**2.0**	**27.0**	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**11.0**
	4	02/89	NT	**12.0**	**28.0**	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**11.0**
	5	02/91	NT	**0.082**	NT	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**1**
	6	02-03/92	NT	**0.024**	**1.7**	NT	NT	NT	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.2
	7	04/94	NT	**0.084**	**1.1**	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.53**
	8	08/94	NT	**0.39**	**0.87**	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.12**
	9	11/94	**0.071**	**0.18**	**0.93**	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.082**
	10	04/95	**0.38**	<0.25	**0.8**	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.083**
	11	08/95	£0.05	<0.5	<0.2	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.42**
	12	12/95	**0.12**	**0.059**	**0.57**	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.15**
	13	05/96	<0.05	<0.1	<0.2	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.1
Start of Bioremediation Pilot Test	14	07/96	**0.24**	<0.2	**0.43**	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.32**
	15	11/96	<1.0	<0.4	**0.66**	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.31**
	16	04/97	<0.17	<0.1	**0.41**	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.32**
	17	07/97	<0.4	<0.1	**0.36**	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.4**
	18	12/97	<0.4	<0.2	**0.54**	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.41**
	19	04/98	<0.4	<0.2	**0.41**	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.29**
	20	07/98	<0.05	<0.075	**0.33**	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.36**
	21	11/98	<0.05	<0.05	**0.076**	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.3**
Start of Full-Scale Bioremediation	22	3,5/99	<0.04	<0.1	**0.24**	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.36**
	23	07/99	<0.0025	<0.1	<0.025	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.26**
	24	12/99	0.0034	<0.025	<0.01	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.056**
	25	06/00	**0.027**	**0.97**	**0.038**	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.13**
	26	07/00	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	27	08/00	<0.025	<0.05	**0.025**	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.25**
	28	12/00	0.0014	<0.02	**0.012**	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.15**
	29	01/01	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	30	06-07/01	<0.0025	<0.05	0.0022	NT	NT	0.0018	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	31	09-10/01	<0.0025	<0.020	<0.001	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.17**
	32	12/01	<0.001	<0.005	<0.001	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.02
	33	01/02	<0.001	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	34	02/02	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	35	06/02	<0.001	<0.01	**0.0059**	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	36	10/02	<0.002	<0.002	<0.002	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	37	01/03	<0.005	<0.01	**0.01**	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	38	07/03	<0.02	<0.02	<0.002	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	39	12/03	<0.005	<0.02	<0.002	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	40	02/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	41	06/04	<0.005	<0.010	<0.002	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	42	08/04	<0.002	<0.002	<0.002	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	43	11/04	<0.01	<0.01	<0.002	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	44	01/05	NT	NT	NT	NT	NT	NT	NT	<0.002	**0.015**	<0.002	<0.002	**0.004**	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	45	06/05	<0.010	<0.010	**0.006**	NT	NT	<0.002	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	46	08/05	<0.010	<0.010	<0.002	NT	NT	<0.002	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	47	11/05	<0.002	<0.005	**0.017**	NT	NT	<0.001	NT	<0.005	**0.011**	<0.002	<0.002	**6.4**	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0013
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	**4.1**	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	49	06/06	**0.0086**	<0.0025	**0.013**	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	51	08/06	<0.01	**0.0054**	**0.0057**	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	51	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	**0.18**	NT	NT	**0.51**	**0.073**	**4.0**	<0.001	NI	NI	NI	NI	NI	NI	NT
	52	12/06	<0.0025	<0.01	**0.0051**	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	<0.001
	53	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	**5.6**	NT	NT	**0.034**	**0.061**	**150**	**0.034**	NI	NI	NI	NI	NI	NI	NT
	54	02/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	**20**	NT	NT	**0.15**	**0.1**	**480**	**0.46**	NI	NI	NI	NI	NI	NI	NT
	55	05/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	**30**	NT	NT	**0.024**	**0.13**	**1,400**	**1.1**	NI	NI	NI	NI	NI	NI	NT
	56	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	**18**	NT	NT	0.0037	**1**	**630**	**0.056**	NI	NI	NI	NI	NI	NI	NT
	57	08/07	<0.001	<0.005	<0.001	NT	NT	<0.001	NT	NT	NT	NT	NT	**19**	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	<0.001
	58	09/07	NT	NT	NT	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	**0.0096**	**0.072**	**3.4**	**0.9**	**1.9**	**0.0074**	NT
	59	11/07	<0.001	<0.0025	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	**27**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001

NOTE: Please refer to last page for table notes.

TABLE 2B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:	**Tetrachloroethene**																							
	Round Number	Sample Date	Groundwater RCMP: GW-1 = 0.005 GW-2 = 3.00																						
			GZ-2L	GZ-3L	GZ-4L	GZ-5R	GZ-7	GZ-8L	GZ-10L	GZ-401	GZ-402L	GZ-403L	GZ-404L	GZ-405L	GZ-406L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-611L	GZ-3B
Pre-Injection Conditions	1	08/87	NT	NT	NT	NT	**0.005**	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	2	10/87	NT	NT	NT	NT	ND	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	3	11/88	NT	**0.06**	**0.4**	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.15**
	4	02/89	NT	**0.067**	**0.47**	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.18**
	5	02/91	NT	<0.005	NT	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.024**
	6	02-03/92	NT	<0.01	**0.032**	NT	NT	NT	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.2
	7	04/94	NT	0.0016	**0.033**	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0067**
	8	08/94	NT	<0.2	<0.1	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.02
	9	11/94	<0.05	<0.1	<0.05	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0017
	10	04/95	<0.25	<0.25	<0.25	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	11	08/95	<0.05	**0.2**	**0.6**	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0079**
	12	12/95	0.0011	0.0023	**0.011**	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	13	05/96	<0.05	<0.1	<0.2	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.1
Start of Bioremediation Pilot Test	14	07/96	**0.0095**	<0.2	**0.0088**	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.2
	15	11/96	<1.0	<0.4	<0.1	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.2
	16	04/97	<0.05	<0.1	<0.1	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.1
	17	07/97	<0.4	<0.1	<0.05	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	18	12/97	<0.4	<0.2	**0.086**	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	19	04/98	<0.4	**0.25**	<0.1	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.25
	20	07/98	<0.05	<0.075	<0.05	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	21	11/98	<0.05	<0.05	<0.025	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.1
Start of Full-Scale Bioremediation	22	3,5/99	<0.04	<0.1	<0.01	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.025
	23	07/99	<0.0025	<0.1	<0.025	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	24	12/99	<0.001	<0.025	<0.01	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01
	25	06/00	<0.002	<0.25	<0.005	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.02
	26	07/00	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	27	08/00	<0.025	<0.05	<0.005	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01
	28	12/00	<0.001	<0.02	<0.005	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	29	01/01	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	30	06-07/01	<0.0025	<0.05	<0.0010	NT	NT	0.0018	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	31	09-10/01	<0.0025	<0.020	<0.001	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01
	32	12/01	<0.001	<0.005	<0.001	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.02
	33	01/02	<0.001	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	34	02/02	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	35	06/02	<0.001	<0.01	<0.005	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	36	10/02	<0.002	<0.002	<0.002	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	37	01/03	<0.005	<0.01	<0.002	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	38	07/03	<0.02	<0.02	<0.002	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	39	12/03	<0.005	<0.02	<0.002	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	40	02/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	41	06/04	<0.005	<0.010	<0.002	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	42	08/04	<0.002	<0.002	<0.002	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	43	11/04	<0.01	<0.01	<0.002	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	44	01/05	NT	NT	NT	NT	NT	NT	NT	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	45	06/05	<0.010	<0.010	<0.002	NT	NT	<0.002	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	46	08/05	<0.010	<0.010	<0.002	NT	NT	<0.002	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	47	11/05	<0.002	<0.005	<0.005	NT	NT	<0.001	NT	<0.005	<0.005	<0.002	<0.002	**0.0920**	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	**0.0340**	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	49	06/06	<0.001	<0.0025	<0.001	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	51	08/06	<0.01	<0.005	<0.001	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	51	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0013	NT	NT	<0.025	<0.001	<0.025	<0.001	NI	NI	NI	NI	NI	NI	NT
	52	12/06	<0.0025	<0.01	<0.001	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	<0.001
	53	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	**0.058**	NT	NT	<0.001	<0.001	**0.27**	<0.001	NI	NI	NI	NI	NI	NI	NT
	54	02/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.100	NT	NT	<0.001	<0.001	<2.5	<0.001	NI	NI	NI	NI	NI	NI	NT
	55	05/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.25	NT	NT	<0.001	<0.001	<5	0.006	NI	NI	NI	NI	NI	NI	NT
	56	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.500	NT	NT	<0.001	0.0048	<10	<0.001	NI	NI	NI	NI	NI	NI	NT
	57	08/07	<0.001	<0.005	<0.001	NT	NT	<0.001	NT	NT	NT	NT	NT	<0.250	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	<0.001
	58	09/07	NT	NT	NT	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	**0.017**	0.0024	0.0034	<0.001	NT
	59	11/07	<0.001	<0.0025	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	<0.250	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001

NOTE: Please refer to last page for table notes.

TABLE 2B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

		Contaminant:	**Vinyl Chloride**																						
	Round Number	Sample Date	Groundwater RCMP: GW-1 = 0.002 GW-2 = 0.002																						
			GZ-2L	GZ-3L	GZ-4L	GZ-5R	GZ-7	GZ-8L	GZ-10L	GZ-401	GZ-402L	GZ-403L	GZ-404L	GZ-405L	GZ-406L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-611L	GZ-3B
Pre-Injection Conditions	1	08/87	NT	NT	NT	NT	ND	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	2	10/87	NT	NT	NT	NT	ND	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	3	11/88	NT	ND	ND	NT	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND
	4	02/89	NT	ND	ND	NT	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND
	5	02/91	NT	<0.02	NT	NT	NT	<0.004	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.13**
	6	02-03/92	NT	**15**	**0.046**	NT	NT	NT	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<1.0
	7	04/94	NT	**0.84**	**0.074**	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.12**
	8	08/94	NT	**4**	**0.3**	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.36**
	9	11/94	**4.5**	<0.1	**0.3**	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.23**
	10	04/95	**3.5**	**8.7**	<0.25	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.12**
	11	08/95	**0.83**	**1.0**	<0.2	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.49**
	12	12/95	**36**	**64.0**	**3.2**	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**5.6**
	13	05/96	<0.05	**3.5**	<0.2	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.1
Start of Bioremediation Pilot Test	14	07/96	**1.9**	**2.3**	**0.07**	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.23**
	15	11/96	**1**	**5**	<0.1	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.2
	16	04/97	**0.170**	**5.2**	**0.26**	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.42**
	17	07/97	**3.9**	**1.5**	**0.066**	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.25**
	18	12/97	**10**	**2.2**	**0.098**	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.29**
	19	04/98	**0.88**	**5.0**	<0.1	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.25
	20	07/98	**2.7**	**9.2**	**0.15**	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	21	11/98	**6.8**	**4.7**	<0.025	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.17**
Start of Full-Scale Bioremediation	22	3,5/99	**0.18**	**5.6**	**0.055**	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.25**
	23	07/99	**0.048**	**1.4**	**0.097**	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.41**
	24	12/99	**0.016**	**12.0**	**0.15**	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.065**
	25	06/00	**0.091**	**9.9**	**0.079**	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.02
	26	07/00	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	27	08/00	**3.5**	<0.05	**0.12**	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.44**
	28	12/00	<0.01	**2.9**	**0.065**	NT	NT	<0.01	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.5
	29	01/01	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	30	06-07/01	**0.067**	**7.5**	**0.048**	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	31	09-10/01	**0.840**	**0.047**	**0.011**	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.11**
	32	12/01	**0.11**	**0.3**	**0.0036**	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.031**
	33	01/02	**0.19**	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	34	02/02	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	35	06/02	**0.031**	**0.81**	**0.012**	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.098**
	36	10/02	**1.9**	**2.0**	**0.003**	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	37	01/03	**0.6**	**2.9**	**0.07**	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	38	07/03	**2.6**	**3.1**	<0.002	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	39	12/03	**0.82**	**15.0**	**0.006**	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.011**
	40	02/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	41	06/04	**0.020**	**2.400**	<0.002	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	42	08/04	**0.010**	**0.680**	**0.004**	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	43	11/04	<0.02	**1.6000**	**0.0020**	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	44	01/05	NT	NT	NT	NT	NT	NT	NT	<0.002	**0.0180**	<0.002	**0.0020**	<0.002	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	45	06/05	<0.020	**1.0000**	**0.0200**	NT	NT	<0.002	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	46	08/05	<0.020	**0.4100**	<0.002	NT	NT	<0.002	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	47	11/05	**0.0053**	**0.1400**	**0.0550**	NT	NT	<0.001	NT	<0.005	**0.0120**	**0.0027**	**0.0041**	<0.010	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.025	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	49	06/06	**0.2**	**0.31**	**0.027**	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	51	08/06	**2.2**	**0.5**	**0.0081**	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	51	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	NT	NT	<0.025	<0.001	<0.025	<0.001	NI	NI	NI	NI	NI	NI	NT
	52	12/06	**0.0088**	**0.46**	**0.008**	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	0.0016
	53	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.0025	NT	NT	<0.001	<0.001	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NT
	54	02/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.100	NT	NT	<0.001	<0.001	<2.5	<0.001	NI	NI	NI	NI	NI	NI	NT
	55	05/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.25	NT	NT	<0.001	<0.001	<5	<0.005	NI	NI	NI	NI	NI	NI	NT
	56	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.500	NT	NT	<0.001	<0.0025	<10	<0.001	NI	NI	NI	NI	NI	NI	NT
	57	08/07	**0.022**	**0.14**	<0.001	NT	NT	<0.001	NT	NT	NT	NT	NT	<0.250	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	<0.001
	58	09/07	NT	NT	NT	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	0.0016	<0.001	<0.001	<0.001	NT
	59	11/07	**0.0061**	**0.075**	0.0016	NT	NT	NT	NT	NT	NT	NT	NT	<0.250	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001

NOTE: Please refer to last page for table notes.

TABLE 2B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

		Contaminant:	**Chloroethane**																							
	Round Number	Sample Date	Groundwater RCMP = NA																							
			GZ-2L	GZ-3L	GZ-4L	GZ-5R	GZ-7	GZ-8L	GZ-10L	GZ-401	GZ-402L	GZ-403L	GZ-404L	GZ-405L	GZ-406L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-611L	GZ-3B
Pre-Injection Conditions	1	08/87	NT	NT	NT	NT	ND	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	2	10/87	NT	NT	NT	NT	ND	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	3	11/88	NT	ND	ND	NT	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND
	4	02/89	NT	ND	ND	NT	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND
	5	02/91	NT	<0.005	NT	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.005
	6	02-03/92	NT	<0.04	<0.004	NT	NT	NT	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.4
	7	04/94	NT	<0.001	<0.001	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	8	08/94	NT	<0.2	<0.1	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.02
	9	11/94	<0.05	<0.1	<0.05	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	10	04/95	<0.25	<0.25	<0.25	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	11	08/95	<0.05	<0.5	<0.2	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	12	12/95	<0.001	<0.001	<0.001	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	13	05/96	<0.05	<0.1	<0.2	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.1
Start of Bioremediation Pilot Test	14	07/96	<0.001	<0.2	<0.001	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.2
	15	11/96	<1.0	<0.4	<0.1	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.2
	16	04/97	<0.05	<0.1	<0.1	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.1
	17	07/97	<0.4	<0.1	<0.05	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	18	12/97	<0.4	<0.2	<0.05	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	19	04/98	<0.4	<0.2	<0.1	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.25
	20	07/98	<0.05	<0.075	<0.05	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	21	11/98	<0.05	<0.05	<0.025	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.1
Start of Full-Scale Bioremediation	22	3,5/99	<0.04	<0.1	<0.01	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.025
	23	07/99	0.0025	<0.1	0.03	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	24	12/99	0.0041	<0.025	0.065	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01
	25	06/00	<0.002	<0.25	<0.005	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.02
	26	07/00	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	27	08/00	<0.025	<0.05	<0.005	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01
	28	12/00	<0.01	<0.2	<0.05	NT	NT	<0.01	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.5
	29	01/01	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	30	06-07/01	<0.0025	0.094	0.0034	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	31	09-10/01	0.0083	<0.020	0.0033	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01
	32	12/01	0.015	<0.005	0.0021	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.02
	33	01/02	0.044	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	34	02/02	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	35	06/02	0.071	<0.01	<0.005	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	36	10/02	0.07	0.017	0.006	NT	NT	<0.005	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.016
	37	01/03	0.04	<0.05	<0.01	NT	NT	<0.005	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0150
	38	07/03	<0.1	<0.01	<0.002	NT	NT	<0.005	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.015
	39	12/03	0.05	<0.1	<0.005	NT	NT		NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.006
	40	02/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	41	06/04	<0.030	<0.050	<0.005	NT	NT	<0.005	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	42	08/04	0.05	<0.002	<0.005	NT	NT	<0.005	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	43	11/04	<0.05	<0.05	<0.005	NT	NT	<0.005	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	44	01/05	NT	NT	NT	NT	NT	NT	NT	<0.005	<0.005	<0.005	0.0230	<0.005	<0.005	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	45	06/05	<0.050	<0.050	<0.005	NT	NT	<0.005	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	46	08/05	<0.050	<0.050	0.007	NT	NT	<0.005	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.014
	47	11/05	<0.002	0.0240	<0.005	NT	NT	<0.001	NT	<0.005	<0.005	<0.002	<0.008	<0.010	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0038
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.025	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	49	06/06	0.0048	0.024	<0.001	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	51	08/06	0.14	0.027	<0.001	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	51	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	NT	NT	<0.025	<0.001	<0.025	<0.001	NI	NI	NI	NI	NI	NI	
	52	12/06	<0.0025	0.094	<0.001	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	0.001
	53	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.0025	NT	NT	<0.001	<0.001	<0.05	<0.001	NI	NI	NI	NI	NI	NI	NT
	54	02/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.100	NT	NT	<0.001	<0.001	<2.5	<0.001	NI	NI	NI	NI	NI	NI	NT
	55	05/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.25	NT	NT	<0.001	<0.001	<5	<0.005	NI	NI	NI	NI	NI	NI	NT
	56	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.500	NT	NT	<0.001	<0.0025	<10	<0.001	NI	NI	NI	NI	NI	NI	NT
	57	08/07	0.049	0.01	<0.001	NT	NT	<0.001	NT	NT	NT	NT	NT	<0.250	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	0.0027
	58	09/07	NT	NT	NT	NT	NT	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NT
	59	11/07	0.026	<0.0025	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	<0.250	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001

NOTE: Please refer to last page for table notes.

TABLE 2B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:	**Benzene**																							
	Round Number	Sample Date	Groundwater RCMP: GW-1 = 0.005 GW-2 = 2.00																						
			GZ-2L	GZ-3L	GZ-4L	GZ-5R	GZ-7	GZ-8L	GZ-10L	GZ-401	GZ-402L	GZ-403L	GZ-404L	GZ-405L	GZ-406L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-611L	GZ-3B
Pre-Injection Conditions	1	08/87	NT	NT	NT	NT	ND	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	2	10/87	NT	NT	NT	NT	ND	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	3	11/88	NT	**0.02**	**0.016**	NT	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.013**
	4	02/89	NT	**0.016**	**0.021**	NT	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.017**
	5	02/91	NT	**0.0086**	NT	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0056**
	6	02-03/92	NT	<0.01	0.0041	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	7	04/94	NT	0.0013	0.0023	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	8	08/94	NT	<0.2	<0.1	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.02
	9	11/94	<0.05	<0.1	<0.05	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	£0.001
	10	04/95	<0.25	<0.25	<0.25	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	11	08/95	<0.05	<0.5	<0.2	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0016
	12	12/95	0.0026	<0.001	<0.001	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	13	05/96	<0.05	<0.1	<0.2	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.1
Start of Bioremediation Pilot Test	14	07/96	**0.026**	<0.2	<0.001	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.2
	15	11/96	<1.0	<0.4	<0.1	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.2
	16	04/97	<0.05	<0.1	<0.1	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.1
	17	07/97	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	18	12/97	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	19	04/98	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	20	07/98	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	21	11/98	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
Start of Full-Scale Bioremediation	22	3,5/99	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	23	07/99	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	24	12/99	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	25	06/00	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	26	07/00	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	27	08/00	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	28	12/00	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	29	01/01	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	30	06-07/01	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	31	09-10/01	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	32	12/01	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	33	01/02	0.003	NT	NT	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	34	02/02	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	35	06/02	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	36	10/02	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	37	01/03	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	38	07/03	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	39	12/03	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	40	02/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	41	06/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	42	08/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	43	11/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	45	06/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	46	08/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	47	11/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	49	06/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	51	08/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	51	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
	52	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
	53	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
	54	02/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
	55	05/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
	56	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
	57	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
	58	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	59	11/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:	**Toluene**																							
	Round Number	Sample Date	Groundwater RCMP: GW-1 = 1.0 GW-2 = 6.0																						
			GZ-2L	GZ-3L	GZ-4L	GZ-5R	GZ-7	GZ-8L	GZ-10L	GZ-401	GZ-402L	GZ-403L	GZ-404L	GZ-405L	GZ-406L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-611L	GZ-3B
Pre-Injection Conditions	1	08/87	NT	NT	NT	NT	0.002	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	2	10/87	NT	NT	NT	NT	ND	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	3	11/88	NT	0.021	ND	0.0050	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.021
	4	02/89	NT	0.35	0.001	NT	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.019
	5	02/91	NT	0.15	NT	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.005
	6	02-03/92	NT	**1.5**	<0.001	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	7	04/94	NT	0.073	<0.001	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	8	08/94	NT	<0.2	<0.1	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.02
	9	11/94	0.088	<0.1	<0.05	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	£0.001
	10	04/95	<0.25	<0.25	<0.25	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	11	08/95	<0.05	<0.5	<0.2	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0012
	12	12/95	0.018	0.039	<0.001	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.05
	13	05/96	<0.05	0.1	<0.2	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.1
Start of Bioremediation Pilot Test	14	07/96	0.13	<0.2	<0.001	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.2
	15	11/96	<1.0	<0.4	<0.1	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.2
	16	04/97	<0.05	0.13	<0.1	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.1
	17	07/97	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	18	12/97	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	19	04/98	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	20	07/98	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	21	11/98	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
Start of Full-Scale Bioremediation	22	3,5/99	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	23	07/99	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	24	12/99	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	25	06/00	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	26	07/00	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	27	08/00	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	28	12/00	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	29	01/01	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	30	06-07/01	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	31	09-10/01	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	32	12/01	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	33	01/02	0.064	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	34	02/02	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	35	06/02	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	36	10/02	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	37	01/03	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	38	07/03	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	39	12/03	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	40	02/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	41	06/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	42	08/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	43	11/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	45	06/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	46	08/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	47	11/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	49	06/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	51	08/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	51	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
	52	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
	53	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
	54	02/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
	55	05/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
	56	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
	57	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
	58	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	59	11/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

		Contaminant:	**Ethylbenzene**																							
	Round Number	Sample Date	Groundwater RCMP: GW-1 = 0.7 GW-2 = 30.0																							
			GZ-2L	GZ-3L	GZ-4L	GZ-5R	GZ-7	GZ-8L	GZ-10L	GZ-401	GZ-402L	GZ-403L	GZ-404L	GZ-405L	GZ-406L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-611L	GZ-3B
Pre-Injection Conditions	1	08/87	NT	NT	NT	NT	ND	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	2	10/87	NT	NT	NT	NT	ND	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	3	11/88	NT	ND	ND	NT	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.002
	4	02/89	NT	0.011	ND	NT	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND
	5	02/91	NT	0.01	NT	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.005
	6	02-03/92	NT	**0.11**	<0.001	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	7	04/94	NT	0.003	<0.001	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	8	08/94	NT	<0.2	<0.1	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.02
	9	11/94	<0.05	<0.1	<0.05	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	10	04/95	<0.25	<0.25	<0.25	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	11	08/95	<0.05	<0.5	<0.2	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	12	12/95	0.001	0.0031	<0.001	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.05
	13	05/96	<0.05	<0.1	<0.2	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.1
Start of Bioremediation Pilot Test	14	07/96	0.028	<0.2	<0.001	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.2
	15	11/96	<1.0	<0.4	<0.1	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.2
	16	04/97	<0.05	<0.1	<0.1	NT	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.1
	17	07/97	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	18	12/97	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	19	04/98	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	20	07/98	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	21	11/98	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
Start of Full-Scale Bioremediation	22	3,5/99	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	23	07/99	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	24	12/99	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	25	06/00	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	26	07/00	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	27	08/00	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	28	12/00	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	29	01/01	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	30	06-07/01	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	31	09-10/01	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	32	12/01	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	33	01/02	0.0078	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	34	02/02	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	35	06/02	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	36	10/02	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	37	01/03	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	38	07/03	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	39	12/03	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	40	02/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	41	06/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	42	08/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	43	11/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	45	06/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	46	08/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	47	11/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	49	06/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	51	08/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	51	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
	52	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
	53	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
	54	02/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
	55	05/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
	56	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
	57	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT
	58	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	59	11/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:	**Total Xylenes**																							
	Round	Sample	Groundwater RCMP: GW-1 = 10.0 GW-2 = 6.0																						
	Number	Date	GZ-2L	GZ-3L	GZ-4L	GZ-5R	GZ-7	GZ-8L	GZ-10L	GZ-401	GZ-402L	GZ-403L	GZ-404L	GZ-405L	GZ-406L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-611L	GZ-3B
Pre-Injection Conditions	1	08/87	NT	NT	NT	NT	ND	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	2	10/87	NT	NT	NT	NT	ND	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	3	11/88	NT	0.09	0.037	0.0050	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.039
	4	02/89	NT	0.079	0.057	NT	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.063
	5	02/91	NT	0.111	NT	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.02
	6	02-03/92	NT	0.42	0.012	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	7	04/94	NT	0.026	<0.002	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	8	08/94	NT	<0.4	<0.2	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.04
	9	11/94	<0.1	<0.2	<0.1	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.001
	10	04/95	<0.5	<0.5	<0.5	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.1
	11	08/95	<0.1	<1.0	<0.4	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0042
	12	12/95	0.0095	0.035	<0.002	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.1
	13	05/96	<0.1	<0.2	<0.4	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.2
Start of Bioremediation Pilot Test	14	07/96	0.094	<0.4	<0.002	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.4
	15	11/96	<2.0	<0.8	<0.2	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.4
	16	04/97	<0.1	<0.2	<0.2	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.2
	17	07/97	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	18	12/97	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	19	04/98	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	20	07/98	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	21	11/98	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
Start of Full-Scale Bioremediation	22	3,5/99	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	23	07/99	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	24	12/99	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	25	06/00	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	26	07/00	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	27	08/00	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	28	12/00	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	29	01/01	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	30	06-07/01	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	31	09-10/01	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	32	12/01	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	33	01/02	0.0299	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	34	02/02	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	35	06/02	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	36	10/02	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	37	01/03	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	38	07/03	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	39	12/03	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	40	02/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	41	06/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	42	08/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	43	11/04	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	45	06/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	46	08/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	47	11/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	49	06/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	51	08/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	51	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NT
	52	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NT
	53	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NT
	54	02/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NT
	55	05/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NT
	56	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NT
	57	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NT
	58	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	59	11/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:		**Methane**																					
	Round Number	Sample Date	Groundwater RCMP = NA																					
			GZ-2L	GZ-3L	GZ-4L	GZ-8L	GZ-401	GZ-402L	GZ-403L	GZ-404L	GZ-405L	GZ-406L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-611L	GZ-1B	GZ-3B
Pre-Injection Conditions	1	08/87	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	2	10/87	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	3	11/88	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	4	02/89	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	5	02/91	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	6	02-03/92	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	7	04/94	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	8	08/94	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	9	11/94	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	10	04/95	0.81	1.9	0.29	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.2	0.47
	11	08/95	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	12	12/95	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	13	05/96	0.034	4.1	0.69	0.89	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.13	2.5
Start of Bioremediation Pilot Test	14	07/96	NT	2.6	0.61	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	3.3
	15	11/96	10.00	9.20	2.60	1.30	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	13.00
	16	04/97	0.11	2.10	0.71	0.22	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	2.50
	17	07/97	2.30	1.70	NT	0.36	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	18	12/97	2.30	1.70	0.80	0.36	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	19	04/98	2.00	3.70	1.40	0.77	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	20	07/98	9.10	28.00	0.96	1.10	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	21	11/98	50.00	31.00	10.00	1.70	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
Start of Full-Scale Bioremediation	22	3,5/99	16.00	NT	110.00	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	23	07/99	16.00	NT	110.00	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	24	12/99	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	25	06/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	26	07/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	27	08/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	28	12/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	29	01/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	30	06-07/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	31	09-10/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	32	12/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	33	01/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	34	02/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	35	06/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	36	10/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	37	01/03	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	38	07/03	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	39	12/03	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	40	02/04	11	8.20	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	41	06/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	42	08/04	2.50	2.80	4.40	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	43	11/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	44	01/05	NT	NT	NT	NT	<0.02	<0.020	0.22	20.00	<0.020	<0.020	<0.020	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	45	06/05	18.0	8.00	4.8	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	46	08/05	5.60	1.90	0.7	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	47	11/05	7.40	12.00	5.5	NT	0.052	0.059	3.50	14.0	<0.010	<0.010	1.50	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	49	06/06	>9.5	6.5	2.6	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	51	08/06	>18	7.7	1.5	NT	NT	NT	NT	NT	NT	0.042	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	51	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.010	0.027	NT	NI	NI	NI	NI	NI	NI	NT	NT
	52	12/06	7.8	>12	3	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
	53	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
	54	02/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
	55	05/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
	56	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
	57	08/07	>17	5	>10	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
	58	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	59	11/07	8.8	3.8	0.52	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

Contaminant:		**Ethane**																					
Round	Sample	Groundwater RCMP = NA																					
Number	Date	GZ-2L	GZ-3L	GZ-4L	GZ-8L	GZ-401	GZ-402L	GZ-403L	GZ-404L	GZ-405L	GZ-406L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-611L	GZ-1B	GZ-3B
42	08/04	<0.020	<0.020	0.04	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
43	11/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
45	06/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
46	08/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
47	11/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
49	06/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
51	08/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
51	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.010	<0.010	NI	NI	NI	NI	NI	NI	NT	NT
52	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
53	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
54	02/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
55	05/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
56	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
57	08/07	<0.1	<0.1	<0.1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
58	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
59	11/07	<0.1	<0.1	<0.01	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Contaminant:		**Ethene**																					
Round	Sample	Groundwater RCMP = NA																					
Number	Date	GZ-2L	GZ-3L	GZ-4L	GZ-8L	GZ-401	GZ-402L	GZ-403L	GZ-404L	GZ-405L	GZ-406L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-611L	GZ-1B	GZ-3B
42	08/04	<0.020	0.14	0.03	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
43	11/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
44	01/05	NT	NT	NT	NT	<0.020	<0.020	<0.020	<0.100	<0.020	<0.020	<0.020	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
45	06/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
46	08/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
47	11/05	0.022	1.0	0.022	NT	<0.010	<0.010	<0.02	<0.050	<0.010	<0.010	<0.020	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
49	06/06	0.085	0.38	0.021	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
51	08/06	0.62	0.3	0.013	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
51	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.010	<0.010	NI	NI	NI	NI	NI	NI	NT	NT
52	12/06	<0.10	<0.10	<0.10	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
53	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
54	02/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
55	05/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
56	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
57	08/07	<0.1	<0.1	<0.1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
58	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
59	11/07	<0.1	<0.1	<0.01	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:		**Iron**																					
	Round Number	Sample Date	Groundwater RCMP = NA																					
			GZ-2L	GZ-3L	GZ-4L	GZ-8L	GZ-401	GZ-402L	GZ-403L	GZ-404L	GZ-405L	GZ-406L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-611L	GZ-1B	GZ-3B
Pre-Injection Conditions	1	08/87	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	2	10/87	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	3	11/88	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	4	02/89	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	5	02/91	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	6	02-03/92	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	7	04/94	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	8	08/94	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	9	11/94	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	10	04/95	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	11	08/95	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	12	12/95	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
Start of Bioremediation Pilot Test	13	05/96	0.06	25.4	0.024	5.44	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	1.87	0.342
	14	07/96	NT	7.51	<0.007	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	0.057
	15	11/96	1.14	11.6	0.058	5.55	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	0.075
	16	04/97	0.398	12	0.008	6.9	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	0.021
	17	07/97	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	18	12/97	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	19	04/98	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	20	07/98	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	21	11/98	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
Start of Full-Scale Bioremediation	22	3,5/99	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	23	07/99	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	24	12/99	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	25	06/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	26	07/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	27	08/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	28	12/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	29	01/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	30	06-07/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	31	09-10/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	32	12/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	33	01/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	34	02/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	35	06/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	36	10/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	37	01/03	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	38	07/03	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	39	12/03	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	40	02/04	210	87	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	41	06/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	42	08/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	43	11/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	45	06/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	46	08/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	47	11/05	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	49	06/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	50	08/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	51	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.18	2.3	NT	NI	NI	NI	NI	NI	NI	NT	NT
	52	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
	53	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
	54	02/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
	55	05/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
	56	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
	57	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
	58	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	59	11/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:		**Manganese**																					
	Round Number	Sample Date	Groundwater RCMP = 0.84																					
			GZ-2L	GZ-3L	GZ-4L	GZ-8L	GZ-401	GZ-402L	GZ-403L	GZ-404L	GZ-405L	GZ-406L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-611L	GZ-1B	GZ-3B
Pre-Injection Conditions	1	08/87	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	2	10/87	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	3	11/88	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	4	02/89	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	5	02/91	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	6	02-03/92	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	7	04/94	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	8	08/94	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	9	11/94	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	10	04/95	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	11	08/95	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	12	12/95	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
Start of Bioremediation Pilot Test	13	05/96	0.066	1.87	0.279	1.04	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.167	0.135
	14	07/96	NT	1.83	0.229	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	0.064
	15	11/96	0.403	1.58	0.254	0.952	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	0.074
	16	04/97	0.065	1.41	0.237	1.11	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	0.058
	17	07/97	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	18	12/97	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	19	04/98	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	20	07/98	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	21	11/98	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
Start of Full-Scale Bioremediation	22	3,5/99	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	23	07/99	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	24	12/99	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	25	06/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	26	07/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	27	08/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	28	12/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	29	01/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	30	06-07/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	31	09-10/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	32	12/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	33	01/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	34	02/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	35	06/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	36	10/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	37	01/03	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	38	07/03	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	39	12/03	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	40	02/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	41	06/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	42	08/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	43	11/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	45	06/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	46	08/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	47	11/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	49	06/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	50	08/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	51	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
	52	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
	53	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
	54	02/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
	55	05/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
	56	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
	57	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
	58	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	59	11/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:		**Chloride**																					
	Round Number	Sample Date	Groundwater RCMP = NA																					
			GZ-2L	GZ-3L	GZ-4L	GZ-8L	GZ-401	GZ-402L	GZ-403L	GZ-404L	GZ-405L	GZ-406L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-611L	GZ-1B	GZ-3B
Pre-Injection Conditions	1	08/87	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	2	10/87	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	3	11/88	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	4	02/89	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	5	02/91	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	6	02-03/92	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	7	04/94	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	8	08/94	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	9	11/94	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	10	04/95	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	11	08/95	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	12	12/95	NT	60	100	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	40
	13	05/96	11	64	92	48	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	99	32
Start of Bioremediation Pilot Test	14	07/96	64	56	85	9	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	34
	15	11/96	49	66	95	65	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	38
	16	04/97	10	65	92	100	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	38
	17	07/97	78	57	NT	107	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	18	12/97	84	72.5	95	53	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	19	04/98	15	63	97	92	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	20	07/98	20	69	120	120	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	21	11/98	100	52	94	32	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
Start of Full-Scale Bioremediation	22	3,5/99	54	NT	95	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	23	07/99	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	24	12/99	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	25	06/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	26	07/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	27	08/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	28	12/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	29	01/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	30	06-07/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	31	09-10/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	32	12/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	33	01/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	34	02/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	35	06/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	36	10/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	37	01/03	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	38	07/03	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	39	12/03	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	40	02/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	41	06/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	42	08/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	43	11/04	85	91	130	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	45	06/05	8	72	140	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	46	08/05	68	91	120	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	47	11/05	5	110	180	NT	0.17	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	49	06/06	14	81	160	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	50	08/06	77	78	170	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	51	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
	52	12/06	34	59	180	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
	53	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
	54	02/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
	55	05/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
	56	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
	57	08/07	130	130	200	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
	58	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	59	11/07	140	12	200	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:	**Total Organic Carbon (TOC), Sample Round No. 13,**																						
		Chemical Oxygen Demand (COD), Subsequent Sample Rounds until Round No. 43. Data for that round respectively reflect COD and TOC concentrations.																						
	Round Number	Sample Date	Groundwater RCMP = NA																						
			GZ-2L	GZ-3L	GZ-4L	GZ-8L	GZ-401	GZ-402L	GZ-403L	GZ-404L	GZ-405L	GZ-406L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-611L	GZ-1B	GZ-3B
Pre-Injection Conditions	1	08/87	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	2	10/87	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	3	11/88	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	4	02/89	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	5	02/91	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	6	02-03/92	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	7	04/94	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	8	08/94	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	9	11/94	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	10	04/95	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	11	08/95	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	12	12/95	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	13	05/96	2	11	4	2	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	34	3
Start of Bioremediation Pilot Test	14	07/96	NT	180	<5	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	<5
	15	11/96	5	35	<5	<5	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	<5
	16	04/97	10	32	5	<5	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	5
	17	07/97	40	25	NT	<5	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	18	12/97	2,030	1,620	149	1,500	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	19	04/98	134	160	<5	<5	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	20	07/98	800	110	98	490	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	21	11/98	114	130	2,900	14	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
Start of Full-Scale Bioremediation	22	03/99	101	74	1,600	<5	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	23	07/99	120	27	218	<5	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	24	12/99	1,140	100	145	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	25	06/00	52	63	32	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	26	07/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	27	08/00	2,400	1,300	9,200	130	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	28	12/00	2,600	690	6,600	110	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	29	01/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	30	06-07/01	140	280	1,600	93	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	31	09-10/01	3,090	2,920	356	<4	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	32	12/01	2,270	1,390	530	<4	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	33	01/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	34	02/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	35	06/02	6,100	7,600	170	<4	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	1,400
	36	10/02	3,800	1,700	50	90	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	37	01/03	2,000	1,200	30	20	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	38	07/03	4,500	4,100	50	<10	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	39	12/03	2,200	4,000	20	<10	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	40	02/04	NT		NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	41	06/04	320	280	20	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	42	08/04	210	180	<10	<10	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	43	11/04	190 / 58	370 / 42	40 / 2.7	10 / 1.9	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	44	01/05	NT	NT	NT	NT	2	2	2.00	4	9	4.00	7.00	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	45	06/05	1000/320	90 /26	10.0/3.0	<10/2	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	46	08/05	280/51	110 / 20	10.0/2	<10/2	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	10/1.6
	47	11/05	640/180	77 / 24	18/<5	<4/<5	6.20	<5	<5	12	18	<5	13.00	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	42.0/16
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	49	06/06	85 / 350	12 / 48	9.7 / 5.1	<5/<4	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	50	08/06	280 / 99	43 / 9.9	22/<5	<4/<5	NT	NT	NT	NT	NT	<4	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	51	10/06	NT	NT	NT	NT	NT	NT	NT	NT	<5	NT	NT	<5	<5	<5	<5	NI	NI	NI	NI	NI	NI	NT	NT
	52	12/06	410 / 100	110 / 45	38/5.4	<4.0/12	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	<4 /<5
	53	01/07	NT	NT	NT	NT	NT	NT	NT	NT	1,700	NT	NT	1,800	3,800	14	1,800	NI	NI	NI	NI	NI	NI	NT	NT
	54	02/07	NT	NT	NT	NT	NT	NT	NT	NT	1,100	NT	NT	1,800	4,200	2,400	2,900	NI	NI	NI	NI	NI	NI	NT	NT
	55	05/07	NT	NT	NT	NT	NT	NT	NT	NT	620	NT	NT	370	2,400	2,600	2,000	NI	NI	NI	NI	NI	NI	NT	NT
	56	07/07	NT	NT	NT	NT	NT	NT	NT	NT	1,000	NT	NT	630	2,500	950	1,300	NI	NI	NI	NI	NI	NI	NT	NT
	57	08/07	57/10	31/<5	24/<5	<10/<5	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	24/<5
	58	09/07	NT	NT	NT	<10/<5	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	59	11/07	22/10	17/23	13/25	NT	NT	NT	NT	NT	120	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<10/10

NOTE: Please refer to last page for table notes.

TABLE 2B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:		**Nitrate**																					
	Round Number	Sample Date	Groundwater RCMP = GW-1 = 10 GW-2 = not established																					
			GZ-2L	GZ-3L	GZ-4L	GZ-8L	GZ-401	GZ-402L	GZ-403L	GZ-404L	GZ-405L	GZ-406L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-611L	GZ-1B	GZ-3B
Pre-Injection Conditions	1	08/87	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	2	10/87	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	3	11/88	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	4	02/89	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	5	02/91	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	6	02-03/92	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	7	04/94	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	8	08/94	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	9	11/94	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	10	04/95	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	11	08/95	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	12	12/95	NT	NT	<0.25	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	<0.25
	13	05/96	0.49	<0.05	<0.05	<0.05	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.26	<0.05
Start of Bioremediation Pilot Test	14	07/96	NT	1.1	0.08	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	0.08
	15	11/96	0.58	0.37	0.22	0.17	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	0.11
	16	04/97	1.1	<0.05	<0.05	0.12	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	<0.05
	17	07/97	<0.05	<0.05	NT	<0.05	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	18	12/97	0.057	0.0596	<0.0405	0.313	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	19	04/98	0.32	<0.05	<0.05	<0.05	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	20	07/98	<0.05	<0.05	<0.05	<0.05	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	21	11/98	<0.05	<0.05	<0.05	<0.05	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
Start of Full-Scale Bioremediation	22	3,5/99	<0.05	NT	0.28	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	23	07/99	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	24	12/99	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	25	06/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	26	07/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	27	08/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	28	12/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	29	01/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	30	06-07/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	31	09-10/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	32	12/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	33	01/02	<0.005	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	34	02/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	35	06/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	36	10/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	37	01/03	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	38	07/03	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	39	12/03	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	40	02/04	<0.5	<0.5	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	41	06/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	42	08/04	<0.5	<0.5	<0.5	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	43	11/04	<0.5	<0.5	<0.5	<0.5	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	44	01/05	NT	NT	NT	NT	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	45	06/05	<0.5	<0.5	<0.5	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	46	08/05	<0.5	<0.5	<0.5	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	47	11/05	<0.050	<0.050	2	NT	0.17	0.08	<0.050	<0.050	1.90	0.08	0.05	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	49	06/06	<0.025	<0.15	<0.025	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	50	08/06	<0.01	0.032	<0.025	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	51	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.049	0.18	NT	NI	NI	NI	NI	NI	NI	NT	NT
	52	12/06	<0.10	<0.10	<0.10	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
	53	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
	54	02/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
	55	05/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
	56	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
	57	08/07	<0.05	<0.05	<0.05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
	58	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	59	11/07	0.12	0.041	0.078	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:		**Sulfate**																					
	Round Number	Sample Date	Groundwater RCMP: GW-1 = 500																					
			GZ-2L	GZ-3L	GZ-4L	GZ-8L	GZ-401	GZ-402L	GZ-403L	GZ-404L	GZ-405L	GZ-406L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-611L	GZ-1B	GZ-3B
Pre-Injection Conditions	1	08/87	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	2	10/87	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	3	11/88	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	4	02/89	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	5	02/91	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	6	02-03/92	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	7	04/94	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	8	08/94	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	9	11/94	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	10	04/95	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	11	08/95	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	12	12/95	NT	NT	52	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	<10
	13	05/96	30	18	57	50	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	26	21
Start of Bioremediation Pilot Test	14	07/96	NT	35	47	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	19
	15	11/96	19	25	46	16	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	15
	16	04/97	25	23	49	18	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	14
	17	07/97	17.0	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	18	12/97	91.1	<50.6	50.7	13.6	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	19	04/98	19.0	<10	51.0	<10	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	20	07/98	10	<10	53	16	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	21	11/98	<10	27	<10	18	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
Start of Full-Scale Bioremediation	22	3,5/99	<10	NT	<10	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	23	07/99	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	24	12/99	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	25	06/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	26	07/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	27	08/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	28	12/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	29	01/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	30	06-07/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	31	09-10/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	32	12/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	33	01/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	34	02/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	35	06/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	36	10/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	37	01/03	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	38	07/03	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	39	12/03	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	40	02/04	<1	3	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	41	06/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	42	08/04	1	13	31	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	43	11/04	<1	15	31	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	44	01/05	NT	NT	NT	NT	34.0	41.0	36.0	1.0	52.0	57.0	81.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	45	06/05	<1	11	33	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	46	08/05	<1	22	33	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	47	11/05	1	5	34	NT	28.0	34.0	31.0	9.0	47.0	28.0	16.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	49	06/06	0.54	9.8	27	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	50	08/06	0.8	23	37	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	51	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	32	56	NT	NI	NI	NI	NI	NI	NI	NT	NT
	52	12/06	0.41	2.2	29	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
	53	01/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
	54	02/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
	55	05/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
	56	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
	57	08/07	0.23	19	26	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
	58	09/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	59	11/07	0.85	14	25	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:		**Dissolved Oxygen**																					
	Round Number	Sample Date	Groundwater RCMP = NA																					
			GZ-2L	GZ-3L	GZ-4L	GZ-8L	GZ-401	GZ-402L	GZ-403L	GZ-404L	GZ-405L	GZ-406L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-611L	GZ-1B	GZ-3B
Pre-Injection Conditions	1	08/87	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	2	10/87	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	3	11/88	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	4	02/89	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	5	02/91	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	6	02-03/92	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	7	04/94	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	8	08/94	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	9	11/94	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	10	04/95	3.7	0.2	5.4	5	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	4.2	3.9
	11	08/95	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	12	12/95	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	13	05/96	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
Start of Bioremediation Pilot Test	14	07/96	5.2	0.3	4.9	2.9	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	2.9
	15	11/96	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	16	04/97	6	0.2	3.2	5.6	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	0
	17	07/97	+3	0.2	+7	+4	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	+3
	18	12/97	0	0	2.9	2	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	0
	19	04/98	+	0	+5	+2	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	+2
	20	07/98	0	0	6	2	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	0
	21	11/98	0	0	0	4	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	0
Start of Full-Scale Bioremediation	22	3,5/99	0.1	0.1	0.1	3.1	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	0.3
	23	07/99	0.1	0.1	0.0	2.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	0.3
	24	12/99	0.2	0.1	0.2	3.1	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	0.1
	25	06/00	3.9	0.9	0.7	0.8	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	0.8
	26	07/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	27	08/00	0.1	0.1	0.1	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	0.7
	28	12/00	0.2	0.0	0.1	1.4	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	0.3
	29	01/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	30	06-07/01	0.1	0.1	0.1	1.3	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	0.7
	31	09-10/01	0.5	0.4	0.2	2.8	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	32	12/01	0.5	0.2	0.3	2.2	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	0.2
	33	01/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	34	02/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	35	06/02	0.5	0.2	0.3	2.1	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	0.1
	36	10/02	0.3	0.2	0.7	0.6	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	0.4
	37	01/03	0.7	0.7	0.5	0.1	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	0.5
	38	07/03	0.3	0.2	1.8	0.7	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	0.3
	39	12/03	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	40	02/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	41	06/04	1.0	4.7	5.4	2.6	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	42	08/04	2.0	3.1	3.1	2.2	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	43	11/04	1.0	1.5	1.8	2.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	45	06/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	46	08/05	1.6	0.6	1.5	2.8	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	0.8
	47	11/05	0.8	0.9	0.8	0.8	0.900	1.000	0.800	0.500	0.800	1.200	1.000	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	0.5
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	49	06/06	2.2	0.5	1.0	0.7	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	50	08/06	0.4	0.7	0.9	6.0	NT	NT	NT	NT	NT	1.2	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
	51	10/06	0.5	0.5	0.6	4.7	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
	52	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
	53	01/07	NT	NT	NT	NT	NT	NT	NT	NT	0.3	NT	NT	0.7	0.3	3.4	0.6	NI	NI	NI	NI	NI	NI	NT	NT
	54	02/07	NT	NT	NT	NT	NT	NT	NT	NT	0.5	NT	NT	0.5	0.5	0.5	0.5	NI	NI	NI	NI	NI	NI	NT	NT
	55	05/07	NT	NT	NT	NT	NT	NT	NT	NT	0.4	NT	NT	1.3	0.4	4.4	0.7	NI	NI	NI	NI	NI	NI	NT	NT
	56	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
	57	08/07	0.7	0.6	1	1.3	NT	NT	NT	NT	0.4	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	0.4
	58	09/07	NT	NT	NT	1.2	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	59	11/07	2.4	2.1	5.6	NT	NT	NT	NT	NT	1.1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	3.3

NOTE: Please refer to last page for table notes.

TABLE 2B
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, LOWER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:		**Oxidation Reduction Potential (ORP)**																					
	Round Number	Sample Date	Groundwater RCMP = NA																					
			GZ-2L	GZ-3L	GZ-4L	GZ-8L	GZ-401	GZ-402L	GZ-403L	GZ-404L	GZ-405L	GZ-406L	GZ-407L	GZ-503L	GZ-504L	GZ-505L	GZ-507L	GZ-606L	GZ-607L	GZ-608L	GZ-609L	GZ-610L	GZ-611L	GZ-1B	GZ-3B
Pre-Injection Conditions	1	08/87	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	2	10/87	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	3	11/88	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	4	02/89	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	5	02/91	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	6	02-03/92	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	7	04/94	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	8	08/94	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	9	11/94	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	10	04/95	+85	-45	+160	+175	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	+150	+85
	11	08/95	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	12	12/95	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	13	05/96	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
Start of Bioremediation Pilot Test	14	07/96	+30	-55	+180	+175	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	-20
	15	11/96	+130	-30	+95	+160	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	+40
	16	04/97	+220	-55	+310	+150	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	-55
	17	07/97	105	-50	+190	+105	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	45
	18	12/97	-45	-65	+145	+90	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	-35
	19	04/98	10	-55	+185	+100	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	+15
	20	07/98	0	-70	+150	+110	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	-85
	21	11/98	-50	-70	-20	+200	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	-85
Start of Full-Scale Bioremediation	22	3,5/99	-90	-80	-75	+135	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	-80
	23	07/99	-110	-55	-85	+25	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	-35
	24	12/99	-40	-45	-40	+175	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	-95
	25	06/00	200	-35	-60	-35	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	-45
	26	07/00	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	27	08/00	-225	-290	-185	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	-90
	28	12/00	-95	-285	-195	+25	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	-40
	29	01/01	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	30	06-07/01	-225	-290	-185	+30	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	-90
	31	09-10/01	-102	-95	-125	+19	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	32	12/01	+80	+130	81	+40	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	79
	33	01/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	34	02/02	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	35	06/02	-20	-82	-79	+72	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	-189
	36	10/02	-175	-320	-105	-155	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	-215
	37	01/03	-300	-700	-106	-100	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	-200
	38	07/03	-230	-297	+47	-125	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	-262
	39	12/03	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	40	02/04	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	41	06/04	-40	-25	+120	+125	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	42	08/04	-20	-60	-60	+220	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	43	11/04	-15	-60	-50	+135	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	45	06/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	46	08/05	0	-45	+10	130	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	-85
	47	11/05	-20	-50	-15	+220	+50	+65	+75	-30	+20	-75	+150	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	+90
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	49	06/06	-5	-65	+25	+40	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	50	08/06	-65	NT	-45	175	NT	NT	NT	NT	NT	90	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	51	10/06	-55	NT	-25	+150	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	52	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
	53	01/07	NT	NT	NT	NT	NT	NT	NT	NT	+10	NT	NT	+15	-15	+90	+25	NI	NI	NI	NI	NI	NI	NT	NT
	54	02/07	NT	NT	NT	NT	NT	NT	NT	NT	+85	NT	NT	+90	+140	+45	+110	NI	NI	NI	NI	NI	NI	NT	NT
	55	05/07	NT	NT	NT	NT	NT	NT	NT	NT	-5	NT	NT	+45	+60	+65	+90	NI	NI	NI	NI	NI	NI	NT	NT
	56	07/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
	57	08/07	-55	-80	-60	25	NT	NT	NT	NT	-25	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	OR
	58	09/07	NT	NT	NT	-10	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	59	11/07	-55	190	115	NT	NT	NT	NT	NT	35	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	45

NOTE: Please refer to last page for table notes.

TABLE 2
WATER QUALITY SUMMARY TABLE

Site Name: Former Wastewater Treatment Facility — Groundwater Management Permit #: GWP-840533-S-002
Site Town: Salem, New Hampshire — (DES #: 840533)

Notes:

1. Sample Round Nos. 1 through 4, 6, and subsequent rounds were carried out by GZA GeoEnvironmental, Inc. (GZA) or Eastern Analytical, Inc. (EAI) on the dates indicated. Sample Round No. 5 was carried out by the New Hampshire Department of Environmental Services (NHDES) on the date indicated. Please refer to the analytical laboratory reports for additional information.
2. Concentration is in milligrams per liter (mg/L), which is equivalent to parts per million (ppm). Oxidation-reduction potential (ORP) is in millivolts (mV).
3. "<" indicates that the respective parameter was not detected above the reported practical quantification limit (PQL).
4. "≤" indicates that the respective parameter was detected, but below the reported PQL. "ND" indicates that the respective parameter was not detected above the PQL. "OR" indicates that the respective parameter was of range of the meter.
5. For the Chemical Oxygen Demand (COD)/Total Organic Carbon (TOC) table, where values for both parameters are available for a given sampling round, the COD value is provided first, followed by the TOC value (e.g., 520/180).
6. This table considers only those parameters that were analyzed for and detected. Please refer to current and past analytical laboratory reports for the complete list of analytes.
7. "RCMP" refers to NHDES Risk Characterization and Management Policy groundwater quality standards. The designations GW-1 and GW-2 are from the Method 1 Groundwater Standards. The more stringent value for either GW-1 or GW-2 was used as the standard. "SWQR" indicates Surface Water Quality Regulations. The more stringent of the two regulations (RCMP or SWQR) was used for surface water samples. "NA" indicates not available for respective parameter. Values in **bold** reflect exceedances of standards, or that the concentration was at the respective standard.
8. "NT" indicates respective parameter was not tested during the respective sample round. For the case of GZ-10L during Sample Round No. 7 and subsequent rounds, the reason was the destruction of this monitoring well. GZA attempted, but was unable to repair and sample this well during the July 1994 round, and then established monitoring well GZ-2L as a replacement sampling location. "NI" indicates monitoring well not installed on respective date.
9. Please note that methyl *tert*-butyl ether (M*t*BE) was detected, but below the PQL limit in a groundwater sample collected from monitoring well GZ-1L during Sample Round No. 9 and in a sample collected from surface water sampling location SW-6 at a concentration of 0.0068 ppm during Sample Round No. 13. Note: The RCMP standard for M*t*BE is 0.013 ppm. 1,4-dichlorobenzene (1,4-DCB) and 1,2-dichlorobenzene (1,2-DCB) were detected at concentrations of 0.0021 and 0.0053 ppm, respectively, in monitoring well GZ-3A during Sample Round No. 11. Note: The RCMP standard for 1,4-DCB and 1,2-DCB is 0.075 and 0.6 ppm, respectively.
10. Dissolved oxygen and ORP analysis were performed in the field using parameter-specific electrodes.
11. Monitoring wells MW-1 through MW-8 were installed by Jacques Whitford Company, Inc. between January 14, 2002 and January 16, 2002.
12. Ethane, Ethene, 1,4-Dichlorobenzene and 1,2-Dichlorobenzene were detected at MW-1D during the June 2004 monitoring round at concentrations of 0.18 mg/L, 0.24 mg/L, 0.002 mg/L and 0.001 mg/L, respectively.
13. Chlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, and 1,2-Dichlorobenzene were detected at GZ-408 during the December monitoring round at concentrations of 0.0065 mg/L, 0.0051 mg/L, 0.023 mg/L, and 0.0025 mg/L respectively.
14. 1,2 Dichlorobenzene was detected in GZ-3A during the 8/7/2007 sampling round at a concentration of 0.0053 mg/L.
15. 1,1,2 Trichloroethene was detected during the 8/22/2007 sampling round in GZ-601U and GZ-606U at concentrations of 0.069 mg/L and 0.085 mg/L respectively.

TABLE 2C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

		Contaminant:	**Methylene Chloride (Dichloromethane)**													
	Round	Sample	Groundwater RCMP: GW-1 = 0.005 GW-2 = 50											Surface Water GWQC = 0.0047		
	Number	Date	GZ-1U	GZ-9U	GZ-409	GZ-619U	GZ-620U	MW-1S	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7S	MW-8	SW-1
Pre-Injection Conditions	1	08/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	2	10/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	3	11/88	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND
	4	02/89	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	5	02/91	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	6	02-03/92	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	7	04/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	8	08/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	9	11/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	10	04/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	11	08/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	12	12/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	13	05/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	14	07/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	15	11/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	16	04/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
Start of Bioremediation Pilot Test	17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	22	3,5/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
Start of Full-Scale Bioremediation	25	06/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	26	07/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	27	08/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	28	12/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01
	29	01/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	30	06-07/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	31	09-10/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	32	12/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	33	01/02	<0.004	<0.004	NT	NI	NI	<0.012	<0.002	<0.005	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
	34	02/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	35	06/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	36	10/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.005
	37	01/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	38	07/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.005
	39	12/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.005
	40	02/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	41	06/04	<0.005	<0.005	NT	NI	NI	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
	42	08/04	<0.005	<0.005	NT	NI	NI	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
	43	11/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.005
	44	01/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	45	06/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.005
	46	08/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.005
	47	11/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	48	12/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	49	05/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	50	06/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	51	08/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	52	10/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	53	12/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	54	08/07	NT	NT	<0.05	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	55	09/07	NT	NT	<0.0025	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	56	11/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.002
	57	12/07	NT	NT	NT	<0.002	<0.002	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:	**1,1-Dichloroethene**													
	Round	Sample	Groundwater RCMP: GW-1 = 0.007 GW-2 = 0.001											Surface Water GWQC = 0.000057		
	Number	Date	GZ-1U	GZ-9U	GZ-409	GZ-619U	GZ-620U	MW-1S	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7S	MW-8	SW-1
Pre-Injection Conditions	1	08/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	2	10/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	3	11/88	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND
	4	02/89	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	5	02/91	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	6	02-03/92	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	7	04/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	8	08/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	9	11/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	10	04/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	11	08/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	12	12/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	13	05/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	14	07/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	15	11/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	16	04/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
Start of Bioremediation Pilot Test	17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	22	3,5/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
Start of Full-Scale Bioremediation	25	06/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	26	07/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	27	08/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	28	12/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	29	01/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	30	06-07/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	31	09-10/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	32	12/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	33	01/02	<0.001	<0.001	NT	NI	NI	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	34	02/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	35	06/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	36	10/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	37	01/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	38	07/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	39	12/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	40	02/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	41	06/04	<0.005	<0.001	NT	NI	NI	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001
	42	08/04	<0.001	<0.001	NT	NI	NI	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	43	11/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	44	01/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	45	06/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	46	08/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	47	11/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	48	12/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	49	05/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	50	06/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	51	08/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	52	10/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	53	12/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	54	08/07	NT	NT	<0.05	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	55	09/07	NT	NT	0.0046	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	56	11/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	57	12/07	NT	NT	NT	<0.001	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Round Number	Sample Date	Contaminant: **1,1-Dichloroethane**													
			Groundwater RCMP: GW-1 = 0.081 GW-2 = 9.0											Surface Water GWQC = NA		
			GZ-1U	GZ-9U	GZ-409	GZ-619U	GZ-620U	MW-1S	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7S	MW-8	SW-1
Pre-Injection Conditions	1	08/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	2	10/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	3	11/88	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND
	4	02/89	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	5	02/91	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	6	02-03/92	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	7	04/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	8	08/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	9	11/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	10	04/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	11	08/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	12	12/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	13	05/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	14	07/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	15	11/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	16	04/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
Start of Bioremediation Pilot Test	17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	22	3,5/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
Start of Full-Scale Bioremediation	25	06/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	26	07/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	27	08/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	28	12/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	29	01/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	30	06-07/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	31	09-10/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	32	12/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	33	01/02	<0.001	0.0031	NT	NI	NI	0.0150	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	34	02/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	35	06/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	36	10/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.002
	37	01/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	38	07/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.002
	39	12/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.002
	40	02/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	41	06/04	<0.002	<0.002	NT	NI	NI	0.0100	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
	42	08/04	<0.002	<0.002	NT	NI	NI	0.0060	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
	43	11/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.002
	44	01/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	45	06/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.002
	46	08/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.002
	47	11/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	48	12/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	49	05/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	50	06/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	51	08/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	52	10/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	53	12/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	54	08/07	NT	NT	<0.05	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	55	09/07	NT	NT	0.0079	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	56	11/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	57	12/07	NT	NT	NT	<0.001	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:	**1,2-Dichloroethane**													
	Round	Sample	Groundwater RCMP: GW-1 = 0.005 GW-2 = 0.020											Surface Water GWQC = 0.00038		
	Number	Date	GZ-1U	GZ-9U	GZ-409	GZ-619U	GZ-620U	MW-1S	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7S	MW-8	SW-1
Pre-Injection Conditions	1	08/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	2	10/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	3	11/88	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND
	4	02/89	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	5	02/91	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	6	02-03/92	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	7	04/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	8	08/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	9	11/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	10	04/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	11	08/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	12	12/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	13	05/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	14	07/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	15	11/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	16	04/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
Start of Bioremediation Pilot Test	17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	22	3,5/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
Start of Full-Scale Bioremediation	25	06/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	26	07/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	27	08/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	28	12/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	29	01/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	30	06-07/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	31	09-10/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	32	12/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	33	01/02	<0.001	<0.001	NT	NI	NI	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	34	02/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	35	06/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	36	10/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.002
	37	01/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	38	07/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.002
	39	12/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.002
	40	02/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	41	06/04	<0.002	<0.002	NT	NI	NI	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
	42	08/04	<0.002	<0.002	NT	NI	NI	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
	43	11/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.002
	44	01/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	45	06/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.002
	46	08/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.002
	47	11/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	48	12/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	49	05/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	50	06/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	51	08/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	52	10/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	53	12/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	54	08/07	NT	NT	<0.05	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	55	09/07	NT	NT	<0.0025	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	56	11/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	57	12/07	NT	NT	NT	<0.001	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:	**Total 1,2-Dichloroethenes**													
	Round	Sample	Groundwater RCMP: GW-1 = 0.07 GW-2 = not established											Surface Water GWQC = 11.6		
	Number	Date	GZ-1U	GZ-9U	GZ-409	GZ-619U	GZ-620U	MW-1S	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7S	MW-8	SW-1
Pre-Injection Conditions	1	08/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	2	10/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	3	11/88	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND
	4	02/89	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	5	02/91	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	6	02-03/92	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	7	04/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.003
	8	08/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.003
	9	11/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	£0.003
	10	04/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0021
	11	08/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.003
	12	12/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.003
	13	05/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0015
	14	07/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.003
	15	11/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0012
	16	04/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.003
Start of Bioremediation Pilot Test	17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.003
	18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0036
	19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0063
	20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.003
	21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0014
	22	3,5/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.003
	24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0012
Start of Full-Scale Bioremediation	25	06/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0015
	26	07/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	27	08/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	28	12/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	29	01/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	30	06-07/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	31	09-10/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	32	12/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	33	01/02	<0.001	<0.001	NT	NI	NI	**0.816**	<0.001	0.0023	<0.001	<0.001	0.0014	<0.001	<0.001	<0.002
	34	02/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	35	06/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.002
	36	10/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.004
	37	01/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	38	07/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.004
	39	12/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.004
	40	02/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	41	06/04	<0.002	<0.002	NT	NI	NI	0.060	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
	42	08/04	<0.002	0.003	NT	NI	NI	**0.087**	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
	43	11/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.002
	44	01/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	45	06/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.002
	46	08/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.002
	47	11/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	48	12/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	49	05/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	50	06/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.002
	51	08/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	52	10/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	53	12/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.002
	54	08/07	NT	NT	**0.2**	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.002
	55	09/07	NT	NT	0.6327	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	56	11/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.002
	57	12/07	NT	NT	NT	<0.002	0.0016	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:	**Chloroform (Trichloromethane)**													
	Round	Sample	Groundwater RCMP: GW-1 = 0.006 GW-2 = 0.400											Surface Water GWQC = 0.0057		
	Number	Date	GZ-1U	GZ-9U	GZ-409	GZ-619U	GZ-620U	MW-1S	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7S	MW-8	SW-1
Pre-Injection Conditions	1	08/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	2	10/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	3	11/88	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND
	4	02/89	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	5	02/91	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	6	02-03/92	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	7	04/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	8	08/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	9	11/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	10	04/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	11	08/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	12	12/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0011
	13	05/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	14	07/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	15	11/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	16	04/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
Start of Bioremediation Pilot Test	17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	22	3,5/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
Start of Full-Scale Bioremediation	25	06/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	26	07/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	27	08/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	28	12/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	29	01/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	30	06-07/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	31	09-10/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	32	12/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	33	01/02	<0.001	<0.001	NT	NI	NI	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	34	02/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	35	06/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	36	10/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.002
	37	01/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	38	07/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.002
	39	12/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.002
	40	02/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	41	06/04	<0.002	<0.002	NT	NI	NI	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
	42	08/04	<0.002	<0.002	NT	NI	NI	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
	43	11/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.002
	44	01/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	45	06/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	46	08/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	47	11/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	48	12/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	49	05/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	50	06/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	51	08/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	52	10/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	53	12/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	54	08/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	55	09/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	56	11/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	57	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

		Contaminant:	**1,1,1-Trichloroethane**													
	Round	Sample	Groundwater RCMP: GW-1 = 0.2 GW-2 = 4.00											Surface Water GWQC = 31.2		
	Number	Date	GZ-1U	GZ-9U	GZ-409	GZ-619U	GZ-620U	MW-1S	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7S	MW-8	SW-1
Pre-Injection Conditions	1	08/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	2	10/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	3	11/88	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND
	4	02/89	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	5	02/91	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	6	02-03/92	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	7	04/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	8	08/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	9	11/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	10	04/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	11	08/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	12	12/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	13	05/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	14	07/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	15	11/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	16	04/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
Start of Bioremediation Pilot Test	17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	22	3,5/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
Start of Full-Scale Bioremediation	25	06/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	26	07/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	27	08/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	28	12/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	29	01/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	30	06-07/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	31	09-10/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	32	12/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	33	01/02	<0.001	<0.001	NT	NI	NI	0.0098	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	34	02/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	35	06/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	36	10/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.002
	37	01/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	38	07/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.002
	39	12/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.002
	40	02/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	41	06/04	<0.002	<0.002	NT	NI	NI	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
	42	08/04	<0.002	<0.002	NT	NI	NI	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
	43	11/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.002
	44	01/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	45	06/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.002
	46	08/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.002
	47	11/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	48	12/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	49	05/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	50	06/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	51	08/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	52	10/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	53	12/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	54	08/07	NT	NT	<0.05	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	55	09/07	NT	NT	0.0028	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	56	11/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	57	12/07	NT	NT	NT	<0.001	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:	**Trichloroethene**													
	Round	Sample	Groundwater RCMP: GW-1 = 0.005 GW-2 = 0.300											Surface Water GWQC = 0.0027		
	Number	Date	GZ-1U	GZ-9U	GZ-409	GZ-619U	GZ-620U	MW-1S	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7S	MW-8	SW-1
Pre-Injection Conditions	1	08/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	2	10/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	3	11/88	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND
	4	02/89	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	5	02/91	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	6	02-03/92	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	7	04/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	8	08/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	9	11/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0013
	10	04/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0046**
	11	08/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	12	12/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	13	05/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0028**
Start of Bioremediation Pilot Test	14	07/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	15	11/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0021
	16	04/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0052**
	19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0061**
	20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0031**
Start of Full-Scale Bioremediation	22	3,5/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0013
	25	06/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	26	07/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	27	08/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	28	12/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0014
	29	01/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	30	06-07/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	31	09-10/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	32	12/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	33	01/02	<0.001	<0.001	NT	NI	NI	**0.060**	<0.001	0.0024	<0.001	<0.001	0.0016	<0.001	<0.001	<0.001
	34	02/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	35	06/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	36	10/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.002
	37	01/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	38	07/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.002
	39	12/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.002
	40	02/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	41	06/04	<0.002	<0.002	NT	NI	NI	**0.0190**	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
	42	08/04	<0.002	<0.002	NT	NI	NI	**0.0220**	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
	43	11/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.002
	44	01/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	45	06/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.002
	46	08/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.002
	47	11/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	48	12/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	49	05/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	50	06/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	51	08/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	52	10/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	53	12/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	54	08/07	NT	NT	**0.081**	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	55	09/07	NT	NT	**0.32**	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	56	11/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	0.0013
	57	12/07	NT	NT	NT	0.0036	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:	**Tetrachloroethene**													
	Round	Sample	Groundwater RCMP: GW-1 = 0.005 GW-2 = 3.00											Surface Water GWQC = 0.0008		
	Number	Date	GZ-1U	GZ-9U	GZ-409	GZ-619U	GZ-620U	MW-1S	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7S	MW-8	SW-1
Pre-Injection Conditions	1	08/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	2	10/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	3	11/88	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND
	4	02/89	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	5	02/91	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	6	02-03/92	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	7	04/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	8	08/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	9	11/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	10	04/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	11	08/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	12	12/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	13	05/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
Start of Bioremediation Pilot Test	14	07/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	15	11/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	16	04/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
Start of Full-Scale Bioremediation	22	3,5/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	25	06/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	26	07/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	27	08/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	28	12/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	29	01/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	30	06-07/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	31	09-10/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	32	12/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	33	01/02	<0.001	<0.001	NT	NI	NI	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	34	02/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	35	06/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	36	10/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.002
	37	01/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	38	07/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.002
	39	12/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.002
	40	02/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	41	06/04	<0.002	<0.002	NT	NI	NI	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
	42	08/04	<0.002	<0.002	NT	NI	NI	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
	43	11/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.002
	44	01/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	45	06/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.002
	46	08/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.002
	47	11/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	48	12/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	49	05/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	50	06/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	51	08/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	52	10/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	53	12/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	54	08/07	NT	NT	<0.05	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	55	09/07	NT	NT	0.0028	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	56	11/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	57	12/07	NT	NT	NT	<0.001	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:	**Vinyl Chloride**													
	Round	Sample	Groundwater RCMP: GW-1 = 0.002 GW-2 = 0.002										Surface Water GWQC = 0.002		
	Number	Date	GZ-1U	GZ-9U	GZ-409	GZ-619U	GZ-620U	MW-1S	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7S	MW-8	SW-1
Pre-Injection Conditions	1	08/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	2	10/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	3	11/88	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND
	4	02/89	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	5	02/91	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	6	02-03/92	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	7	04/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	8	08/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	9	11/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	10	04/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	11	08/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	12	12/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	13	05/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
Start of Bioremediation Pilot Test	14	07/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	15	11/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	16	04/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
Start of Full-Scale Bioremediation	22	3,5/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	25	06/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	26	07/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	27	08/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	28	12/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01
	29	01/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	30	06-07/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	31	09-10/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	32	12/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	33	01/02	<0.001	<0.001	NT	NI	NI	**0.200**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	34	02/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	35	06/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	36	10/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.002
	37	01/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	38	07/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.002
	39	12/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.002
	40	02/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	41	06/04	<0.002	<0.002	NT	NI	NI	**0.0050**	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
	42	08/04	<0.002	<0.002	NT	NI	NI	**0.007**	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
	43	11/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.002
	44	01/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	45	06/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.002
	46	08/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.002
	47	11/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	48	12/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	49	05/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	50	06/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	51	08/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	52	10/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	53	12/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	54	08/07	NT	NT	<0.05	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	55	09/07	NT	NT	**0.0033**	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	56	11/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	57	12/07	NT	NT	NT	<0.001	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:	**Chloroethane**													
	Round	Sample	Groundwater RCMP = NA											Surface Water GWQC = NA		
	Number	Date	GZ-1U	GZ-9U	GZ-409	GZ-619U	GZ-620U	MW-1S	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7S	MW-8	SW-1
Pre-Injection Conditions	1	08/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	2	10/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	3	11/88	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND
	4	02/89	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	5	02/91	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	6	02-03/92	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	7	04/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	8	08/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	9	11/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	10	04/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	11	08/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	12	12/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	13	05/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
Start of Bioremediation Pilot Test	14	07/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	15	11/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	16	04/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
Start of Full-Scale Bioremediation	22	3,5/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	25	06/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	26	07/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	27	08/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	28	12/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01
	29	01/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	30	06-07/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	31	09-10/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	32	12/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	33	01/02	<0.002	<0.002	NT	NI	NI	<0.010	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
	34	02/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	35	06/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	36	10/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.002
	37	01/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	38	07/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.005
	39	12/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.005
	40	02/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	41	06/04	<0.005	<0.005	NT	NI	NI	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
	42	08/04	<0.005	<0.005	NT	NI	NI	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
	43	11/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.005
	44	01/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	45	06/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.005
	46	08/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.005
	47	11/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	48	12/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	49	05/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	50	06/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	51	08/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	52	10/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	53	12/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	54	08/07	NT	NT	<0.05	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	55	09/07	NT	NT	<0.0025	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	56	11/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	<0.001
	57	12/07	NT	NT	NT	<0.001	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:	**Benzene**													
	Round	Sample	Groundwater RCMP: GW-1 = 0.005 GW-2 = 2.00											Surface Water GWQC = 0.0012		
	Number	Date	GZ-1U	GZ-9U	GZ-409	GZ-619U	GZ-620U	MW-1S	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7S	MW-8	SW-1
Pre-Injection Conditions	1	08/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	2	10/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	3	11/88	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND
	4	02/89	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	5	02/91	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	6	02-03/92	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	7	04/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	8	08/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	9	11/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	10	04/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	11	08/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	12	12/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	13	05/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
Start of Bioremediation Pilot Test	14	07/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	15	11/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	16	04/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
Start of Full-Scale Bioremediation	22	3,5/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	25	06/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	26	07/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	27	08/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	28	12/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	29	01/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	30	06-07/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	31	09-10/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	32	12/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	33	01/02	<0.001	**0.0065**	NT	NI	NI	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	34	02/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	35	06/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	36	10/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	37	01/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	38	07/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	39	12/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	40	02/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	41	06/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	42	08/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	43	11/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	44	01/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	45	06/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	46	08/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	47	11/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	48	12/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	49	05/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	50	06/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	51	08/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	52	10/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	53	12/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	54	08/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	55	09/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	56	11/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	57	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:	**Toluene**													
	Round	Sample	Groundwater RCMP: GW-1 = 1.0 GW-2 = 6.0											Surface Water GWQC = 0.0068		
	Number	Date	GZ-1U	GZ-9U	GZ-409	GZ-619U	GZ-620U	MW-1S	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7S	MW-8	SW-1
Pre-Injection Conditions	1	08/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	2	10/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	3	11/88	NT	0.004	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND
	4	02/89	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	5	02/91	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	6	02-03/92	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	7	04/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	8	08/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	9	11/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	10	04/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	11	08/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	12	12/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	13	05/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
Start of Bioremediation Pilot Test	14	07/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	15	11/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	16	04/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
Start of Full-Scale Bioremediation	22	3,5/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	25	06/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	26	07/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	27	08/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	28	12/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	29	01/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	30	06-07/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	31	09-10/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	32	12/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	33	01/02	<0.001	<0.001	NT	NI	NI	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	0.0015	<0.001	<0.001
	34	02/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	35	06/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	36	10/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	37	01/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	38	07/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	39	12/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	40	02/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	41	06/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	42	08/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	43	11/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	44	01/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	45	06/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	46	08/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	47	11/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	48	12/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	49	05/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	50	06/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	51	08/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	52	10/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	53	12/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	54	08/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	55	09/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	56	11/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	57	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:	**Ethylbenzene**													
	Round	Sample	Groundwater RCMP: GW-1 = 0.7 GW-2 = 30.0										Surface Water GWQC = 0.43		
	Number	Date	GZ-1U	GZ-9U	GZ-409	GZ-619U	GZ-620U	MW-1S	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7S	MW-8	SW-1
Pre-Injection Conditions	1	08/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	2	10/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	3	11/88	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND
	4	02/89	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	5	02/91	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	6	02-03/92	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	7	04/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	8	08/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	9	11/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	10	04/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	11	08/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	12	12/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	13	05/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
Start of Bioremediation Pilot Test	14	07/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	15	11/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	16	04/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001
	17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
Start of Full-Scale Bioremediation	22	3,5/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	25	06/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	26	07/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	27	08/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	28	12/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	29	01/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	30	06-07/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	31	09-10/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	32	12/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	33	01/02	<0.001	<0.001	NT	NI	NI	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	34	02/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	35	06/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	36	10/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	37	01/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	38	07/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	39	12/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	40	02/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	41	06/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	42	08/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	43	11/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	44	01/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	45	06/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	46	08/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	47	11/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	48	12/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	49	05/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	50	06/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	51	08/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	52	10/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	53	12/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	54	08/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	55	09/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	56	11/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	57	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:	**Total Xylenes**													
	Round	Sample	Groundwater RCMP: GW-1 = 10.0 GW-2 = 6.0										Surface Water GWQC = NA		
	Number	Date	GZ-1U	GZ-9U	GZ-409	GZ-619U	GZ-620U	MW-1S	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7S	MW-8	SW-1
Pre-Injection Conditions	1	08/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	2	10/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	3	11/88	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND
	4	02/89	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	5	02/91	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	6	02-03/92	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	7	04/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	8	08/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	9	11/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	10	04/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	11	08/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	12	12/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	13	05/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
Start of Bioremediation Pilot Test	14	07/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	15	11/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	16	04/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002
	17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
Start of Full-Scale Bioremediation	22	3,5/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	25	06/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	26	07/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	27	08/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	28	12/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	29	01/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	30	06-07/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	31	09-10/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	32	12/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	33	01/02	<0.003	<0.003	NT	NI	NI	<0.015	<0.003	<0.003	<0.003	<0.003	<0.003	0.0051	<0.003	<0.003
	34	02/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	35	06/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	36	10/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	37	01/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	38	07/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	39	12/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	40	02/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	41	06/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	42	08/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	43	11/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	44	01/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	45	06/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	46	08/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	47	11/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	48	12/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	49	05/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	50	06/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	51	08/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	52	10/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	53	12/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	54	08/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	55	09/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	56	11/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	57	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:		**Methane**												
	Round Number	Sample Date	Groundwater RCMP = NA												
			GZ-1U	GZ-9U	GZ-409	GZ-619U	GZ-620U	MW-1S	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7S	MW-8
Pre-Injection Conditions	1	08/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	2	10/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	3	11/88	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	4	02/89	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	5	02/91	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	6	02-03/92	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	7	04/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	8	08/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	9	11/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	10	04/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	11	08/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	12	12/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	13	05/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Start of Bioremediation Pilot Test	14	07/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	15	11/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	16	04/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Start of Full-Scale Bioremediation	22	3,5/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	25	06/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	26	07/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	27	08/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	28	12/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	29	01/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	30	06-07/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	31	09-10/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	32	12/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	33	01/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	34	02/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	35	06/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	36	10/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	37	01/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	38	07/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	39	12/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	40	02/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	41	06/04	NT	NT	NT	NI	NI	0.77	NT	NT	NT	NT	NT	NT	<0.020
	42	08/04	NT	NT	NT	NI	NI	0.76	NT	NT	NT	NT	NT	NT	<0.02
	43	11/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	44	01/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	45	06/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	46	08/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	47	11/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	48	12/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	49	05/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	50	06/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	51	08/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	52	10/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	53	12/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	54	08/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	55	09/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	56	11/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	57	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

Contaminant:		**Ethane**												
Round	Sample	Groundwater RCMP = NA												
Number	Date	GZ-1U	GZ-9U	GZ-409	GZ-619U	GZ-620U	MW-1S	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7S	MW-8
42	08/04	NT	NT	NT	NI	NI	<0.020	NT	NT	NT	NT	NT	NT	<0.020
43	11/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
44	01/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
45	06/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
46	08/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
47	11/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
48	12/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
49	05/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
50	06/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
51	08/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
52	10/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
53	12/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
54	08/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
55	09/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
56	11/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
57	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Contaminant:		**Ethene**												
Round	Sample	Groundwater RCMP = NA												
Number	Date	GZ-1U	GZ-9U	GZ-409	GZ-619U	GZ-620U	MW-1S	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7S	MW-8
42	08/04	NT	NT	NT	NI	NI	<0.020	NT	NT	NT	NT	NT	NT	<0.020
43	11/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
44	01/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
45	06/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
46	08/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
47	11/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
48	12/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
49	05/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
50	06/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
51	08/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
52	10/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
53	12/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
54	08/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
55	09/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
56	11/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
57	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

		Contaminant:	**Iron**												
	Round Number	Sample Date	Groundwater RCMP = NA												
			GZ-1U	GZ-9U	GZ-409	GZ-619U	GZ-620U	MW-1S	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7S	MW-8
Pre-Injection Conditions	1	08/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	2	10/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	3	11/88	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	4	02/89	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	5	02/91	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	6	02-03/92	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	7	04/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	8	08/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	9	11/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	10	04/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	11	08/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	12	12/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	13	05/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Start of Bioremediation Pilot Test	14	07/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	15	11/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	16	04/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Start of Full-Scale Bioremediation	22	3,5/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	25	06/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	26	07/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	27	08/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	28	12/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	29	01/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	30	06-07/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	31	09-10/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	32	12/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	33	01/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	34	02/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	35	06/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	36	10/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	37	01/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	38	07/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	39	12/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	40	02/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	41	06/04	NT	NT	NT	NI	NI	2.6	NT	NT	NT	NT	NT	NT	0.09
	42	08/04	NT	NT	NT	NI	NI	2.5	NT	NT	NT	NT	NT	NT	0.11
	43	11/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	44	01/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	45	06/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	46	08/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	47	11/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	48	12/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	49	05/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	50	06/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	51	08/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	52	10/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	53	12/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	54	08/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	55	09/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	56	11/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	57	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:		**Manganese**												
	Round Number	Sample Date	Groundwater RCMP = 0.84												
			GZ-1U	GZ-9U	GZ-409	GZ-619U	GZ-620U	MW-1S	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7S	MW-8
Pre-Injection Conditions	1	08/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	2	10/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	3	11/88	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	4	02/89	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	5	02/91	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	6	02-03/92	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	7	04/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	8	08/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	9	11/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	10	04/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	11	08/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	12	12/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	13	05/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Start of Bioremediation Pilot Test	14	07/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	15	11/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	16	04/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Start of Full-Scale Bioremediation	22	3,5/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	25	06/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	26	07/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	27	08/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	28	12/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	29	01/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	30	06-07/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	31	09-10/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	32	12/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	33	01/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	34	02/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	35	06/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	36	10/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	37	01/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	38	07/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	39	12/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	40	02/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	41	06/04	NT	NT	NT	NI	NI	0.68	NT	NT	NT	NT	NT	NT	0.044
	42	08/04	NT	NT	NT	NI	NI	**0.85**	NT	NT	NT	NT	NT	NT	0.049
	43	11/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	44	01/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	45	06/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	46	08/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	47	11/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	48	12/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	49	05/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	50	06/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	51	08/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	52	10/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	53	12/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	54	08/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	55	09/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	56	11/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	57	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:	**Chloride**													
	Round	Sample	Groundwater RCMP = NA											Surface Water GWQC = 230		
	Number	Date	GZ-1U	GZ-9U	GZ-409	GZ-618U	GZ-619U	MW-1S	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7S	MW-8	SW-1
Pre-Injection Conditions	1	08/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	2	10/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	3	11/88	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	4	02/89	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	5	02/91	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	6	02-03/92	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	7	04/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	8	08/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	9	11/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	10	04/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	11	08/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	12	12/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	13	05/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
Start of Bioremediation Pilot Test	14	07/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	15	11/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	49
	16	04/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	40
	17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
Start of Full-Scale Bioremediation	22	3,5/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	25	06/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	26	07/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	27	08/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	28	12/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	29	01/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	30	06-07/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	31	09-10/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	32	12/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT
	33	01/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	34	02/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	35	06/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	36	10/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	37	01/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	38	07/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	39	12/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	40	02/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	41	06/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	42	08/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	43	11/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	44	01/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	45	06/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	46	08/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	47	11/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	48	12/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	49	05/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	50	06/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	51	08/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	52	10/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	53	12/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	54	08/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	55	09/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	56	11/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT	NT
	57	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

Contaminant: **Total Organic Carbon (TOC), Sample Round No. 13,**

Chemical Oxygen Demand (COD), Subsequent Sample Rounds until Round No. 43. Data for that round respectively reflect COD and TOC concentrations.

	Round Number	Sample Date	Groundwater RCMP = NA												
			GZ-1U	GZ-9U	GZ-409	GZ-618U	GZ-619U	MW-1S	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7S	MW-8
Pre-Injection Conditions	1	08/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	2	10/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	3	11/88	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	4	02/89	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	5	02/91	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	6	02-03/92	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	7	04/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	8	08/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	9	11/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	10	04/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	11	08/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	12	12/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	13	05/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Start of Bioremediation Pilot Test	14	07/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	15	11/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	16	04/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Start of Full-Scale Bioremediation	22	03/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	25	06/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	26	07/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	27	08/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	28	12/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	29	01/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	30	06-07/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	31	09-10/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	32	12/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	33	01/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	34	02/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	35	06/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	36	10/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	37	01/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	38	07/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	39	12/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	40	02/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	41	06/04	<10	NT	NT	NI	NI	30	NT	NT	NT	10	NT	NT	30
	42	08/04	<10	NT	NT	NI	NI	10	NT	NT	NT	<10	NT	NT	20
	43	11/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	44	01/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	45	06/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	46	08/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	47	11/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	48	12/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	49	05/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	50	06/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	51	08/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	52	10/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	53	12/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	54	08/07	NT	NT	38	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	55	09/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	56	11/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	57	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:	**Nitrate**												
	Round	Sample	Groundwater RCMP = GW-1 = 10 GW-2 = not established											
	Number	Date	GZ-1U	GZ-9U	GZ-409	GZ-618U	GZ-619U	MW-1S	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7S	MW-8
Pre-Injection Conditions	1	08/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	2	10/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	3	11/88	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	4	02/89	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	5	02/91	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	6	02-03/92	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	7	04/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	8	08/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	9	11/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	10	04/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	11	08/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	12	12/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	13	05/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Start of Bioremediation Pilot Test	14	07/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	15	11/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	16	04/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Start of Full-Scale Bioremediation	22	3,5/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	25	06/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	26	07/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	27	08/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	28	12/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	29	01/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	30	06-07/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	31	09-10/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	32	12/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	33	01/02	<0.005	0.006	NT	NI	NI	0.290	0.010	0.030	0.220	1.350	3.72	<0.05	<0.005
	34	02/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	35	06/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	36	10/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	37	01/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	38	07/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	39	12/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	40	02/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	41	06/04	NT	NT	NT	NI	NI	0.90	NT	NT	NT	NT	NT	NT	<0.5
	42	08/04	NT	NT	NT	NI	NI	1.40	NT	NT	NT	NT	NT	NT	<0.5
	43	11/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	44	01/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	45	06/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	46	08/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	47	11/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	48	12/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	49	05/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	50	06/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	51	08/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	52	10/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	53	12/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	54	08/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	55	09/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	56	11/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	57	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:		**Sulfate**												
	Round Number	Sample Date	Groundwater RCMP: GW-1 = 500												
			GZ-1U	GZ-9U	GZ-409	GZ-619U	GZ-620U	MW-1S	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7S	MW-8
Pre-Injection Conditions	1	08/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	2	10/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	3	11/88	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	4	02/89	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	5	02/91	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	6	02-03/92	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	7	04/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	8	08/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	9	11/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	10	04/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	11	08/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	12	12/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	13	05/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Start of Bioremediation Pilot Test	14	07/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	15	11/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	16	04/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Start of Full-Scale Bioremediation	22	3,5/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	25	06/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	26	07/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	27	08/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	28	12/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	29	01/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	30	06-07/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	31	09-10/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	32	12/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	33	01/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	34	02/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	35	06/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	36	10/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	37	01/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	38	07/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	39	12/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	40	02/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	41	06/04	NT	NT	NT	NI	NI	26	NT	NT	NT	NT	NT	NT	2.0
	42	08/04	NT	NT	NT	NI	NI	46	NT	NT	NT	NT	NT	NT	4.0
	43	11/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	44	01/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	45	06/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	46	08/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	47	11/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	48	12/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	49	05/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	50	06/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	51	08/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	52	10/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	53	12/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	54	08/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	55	09/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	56	11/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	57	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:	**Dissolved Oxygen**												
	Round	Sample	Groundwater RCMP = NA												
	Number	Date	GZ-1U	GZ-9U	GZ-409	GZ-619U	GZ-620U	MW-1S	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7S	MW-8
Pre-Injection Conditions	1	08/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	2	10/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	3	11/88	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	4	02/89	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	5	02/91	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	6	02-03/92	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	7	04/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	8	08/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	9	11/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	10	04/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	11	08/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	12	12/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	13	05/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Start of Bioremediation Pilot Test	14	07/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	15	11/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	16	04/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Start of Full-Scale Bioremediation	22	3,5/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	25	06/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	26	07/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	27	08/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	28	12/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	29	01/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	30	06-07/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	31	09-10/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	32	12/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	33	01/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	34	02/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	35	06/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	36	10/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	37	01/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	38	07/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	39	12/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	40	02/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	41	06/04	1.3	3.2	NT	NI	NI	1.9	2.7	5.6	2.1	8.0	5.2	4.8	4.1
	42	08/04	1.6	3.6	NT	NI	NI	2.6	2.4	6.6	2.2	5.9	5.1	4.7	8.9
	43	11/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	44	01/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	45	06/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	46	08/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	47	11/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	48	12/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	49	05/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	50	06/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	51	08/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	4.8	7.1
	52	10/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	53	12/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	54	08/07	NT	NT	1.5	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	55	09/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	56	11/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	57	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2C
WATER QUALITY SUMMARY TABLE - NORTHERN SITE PORTION, UPPER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:	**Oxidation Reduction Potential (ORP)**												
	Round	Sample	Groundwater RCMP = NA												
	Number	Date	GZ-1U	GZ-9U	GZ-409	GZ-619U	GZ-620U	MW-1S	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7S	MW-8
Pre-Injection Conditions	1	08/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	2	10/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	3	11/88	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	4	02/89	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	5	02/91	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	6	02-03/92	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	7	04/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	8	08/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	9	11/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	10	04/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	11	08/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	12	12/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	13	05/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Start of Bioremediation Pilot Test	14	07/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	15	11/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	16	04/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Start of Full-Scale Bioremediation	22	3,5/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	25	06/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	26	07/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	27	08/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	28	12/00	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	29	01/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	30	06-07/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	31	09-10/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	32	12/01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	33	01/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	34	02/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	35	06/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	36	10/02	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	37	01/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	38	07/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	39	12/03	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	40	02/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	41	06/04	+35	+155	NT	NI	NI	-30	+130	+130	+85	+105	+140	+110	+115
	42	08/04	+170	+200	NT	NI	NI	+140	+140	+95	+135	+130	+155	+140	+155
	43	11/04	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	44	01/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	45	06/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	46	08/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	47	11/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	48	12/05	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	49	05/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	50	06/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	51	08/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	+160	+255
	52	10/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	53	12/06	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	54	08/07	NT	NT	25	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	55	09/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	56	11/07	NT	NT	NT	NI	NI	NT	NT	NT	NT	NT	NT	NT	NT
	57	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2
WATER QUALITY SUMMARY TABLE

Site Name: Former Wastewater Treatment Facility — Groundwater Management Permit #: GWP-840533-S-002
Site Town: Salem, New Hampshire — (DES #: 840533)

Notes:

1. Sample Round Nos. 1 through 4, 6, and subsequent rounds were carried out by GZA GeoEnvironmental, Inc. (GZA) or Eastern Analytical, Inc. (EAI) on the dates indicated. Sample Round No. 5 was carried out by the New Hampshire Department of Environmental Services (NHDES) on the date indicated. Please refer to the analytical laboratory reports for additional information.
2. Concentration is in milligrams per liter (mg/L), which is equivalent to parts per million (ppm). Oxidation-reduction potential (ORP) is in millivolts (mV).
3. "<" indicates that the respective parameter was not detected above the reported practical quantification limit (PQL).
4. "≤" indicates that the respective parameter was detected, but below the reported PQL. "ND" indicates that the respective parameter was not detected above the PQL. "OR" indicates that the respective parameter was of range of the meter.
5. For the Chemical Oxygen Demand (COD)/Total Organic Carbon (TOC) table, where values for both parameters are available for a given sampling round, the COD value is provided first, followed by the TOC value (e.g., 520/180).
6. This table considers only those parameters that were analyzed for and detected. Please refer to current and past analytical laboratory reports for the complete list of analytes.
7. "RCMP" refers to NHDES Risk Characterization and Management Policy groundwater quality standards. The designations GW-1 and GW-2 are from the Method 1 Groundwater Standards. The more stringent value for either GW-1 or GW-2 was used as the standard. "SWQR" indicates Surface Water Quality Regulations. The more stringent of the two regulations (RCMP or SWQR) was used for surface water samples. "NA" indicates not available for respective parameter. Values in **bold** reflect exceedances of standards, or that the concentration was at the respective standard.
8. "NT" indicates respective parameter was not tested during the respective sample round. For the case of GZ-10L during Sample Round No. 7 and subsequent rounds, the reason was the destruction of this monitoring well. GZA attempted, but was unable to repair and sample this well during the July 1994 round, and then established monitoring well GZ-2L as a replacement sampling location. "NI" indicates monitoring well not installed on respective date.
9. Please note that methyl *tert*-butyl ether (M*t*BE) was detected, but below the PQL limit in a groundwater sample collected from monitoring well GZ-1L during Sample Round No. 9 and in a sample collected from surface water sampling location SW-6 at a concentration of 0.0068 ppm during Sample Round No. 13. Note: The RCMP standard for M*t*BE is 0.013 ppm. 1,4-dichlorobenzene (1,4-DCB) and 1,2-dichlorobenzene (1,2-DCB) were detected at concentrations of 0.0021 and 0.0053 ppm, respectively, in monitoring well GZ-3A during Sample Round No. 11. Note: The RCMP standard for 1,4-DCB and 1,2-DCB is 0.075 and 0.6 ppm, respectively.
10. Dissolved oxygen and ORP analysis were performed in the field using parameter-specific electrodes.
11. Monitoring wells MW-1 through MW-8 were installed by Jacques Whitford Company, Inc. between January 14, 2002 and January 16, 2002.
12. Ethane, Ethene, 1,4-Dichlorobenzene and 1,2-Dichlorobenzene were detected at MW-1D during the June 2004 monitoring round at concentrations of 0.18 mg/L, 0.24 mg/L, 0.002 mg/L and 0.001 mg/L, respectively.
13. Chlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, and 1,2-Dichlorobenzene were detected at GZ-408 during the December monitoring round at concentrations of 0.0065 mg/L, 0.0051 mg/L, 0.023 mg/L, and 0.0025 mg/L respectively.
14. 1,2 Dichlorobenzene was detected in GZ-3A during the 8/7/2007 sampling round at a concentration of 0.0053 mg/L.
15. 1,1,2 Trichloroethene was detected during the 8/22/2007 sampling round in GZ-601U and GZ-606U at concentrations of 0.069 mg/L and 0.085 mg/L respectively.

TABLE 2D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:																																							
			Methylene Chloride (Dichloromethane)																																						
	Round	Sample	GW-1 = 0.005	GW-2 = 50																																			Surface Water GWQC = 0.0047	
	Number	Date	GZ-2	GZ-3A	GZ-10U	GZ-101	GZ-102	GZ-403U	GZ-404U	GZ-405U	GZ-406U	GZ-407U	GZ-408	GZ-500	GZ-501	GZ-502	GZ-506U	GZ-508U	GZ-601U	GZ-602U	GZ-603U	GZ-604U	GZ-605U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-611U	GZ-612U	GZ-613U	GZ-614U	GZ-615U	GZ-616U	GZ-617U	GZ-618U	SW-2	SW-6
Pre-Injection Conditions	1	08/87	0.0030	**0.1600**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	2	10/87	ND	ND	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	3	11/88	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND	NT
	4	02/89	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND	ND
	5	02/91	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.01
	6	02-03/92	<0.005	<0.005	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.005	<0.05
	7	04/94	<0.001	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	8	08/94	<0.2	<0.2	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	Dry
	9	11/94	<0.1	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	10	04/95	<0.1	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	11	08/95	<0.05	**0.0510**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	12	12/95	<0.001	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	13	05/96	<0.05	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	14	07/96	<0.001	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.2
	15	11/96	<0.05	<0.005	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.025
	16	04/97	<0.05	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
Start of Bioremediation Pilot Test																																								
	17	07/97	<0.02	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	18	12/97	<0.1	<0.04	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.02
	19	04/98	<0.2	<0.05	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	20	07/98	<0.05	<0.02	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	21	11/98	<0.1	<0.005	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005
	22	3,5/99	<0.08	<0.01	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	23	07/99	<0.05	<0.0015	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	24	12/99	<0.05	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.05
Start of Full-Scale Bioremediation																																								
	25	06/00	<0.025	0.0047	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.01
	26	07/00	NT	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	27	08/00	<0.025	0.0010	NT	NT	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	DRY
	28	12/00	<0.05	<0.2	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01	<1.0
	29	01/01	NT	NT	NT	NT	<.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	30	06-07/01	<0.01	<0.001	NT	NT	<0.0025	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	DRY
	31	09-10/01	<0.005	<0.005	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005
	32	12/01	<0.05	<0.0025	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.01
	33	01/02	<0.030	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.004	NT
	34	02/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	<0.005
	35	06/02	<0.001	<0.001	NT	<0.002	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005
	36	10/02	<0.005	<0.005	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.005
	37	01/03	<0.03	<0.05	NT	<0.1	<0.05	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	<0.05
	38	07/03	<0.05	<0.03	NT	<0.05	<0.05	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.005	<0.3
	39	12/03	<0.05	<0.005	NT	NT	<0.05	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.005	<0.05
	40	02/04	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	41	06/04	<0.05	<0.005	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.005	<0.050
	42	08/04	<0.005	<0.005	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.005	<0.005
	43	11/04	<0.05	<0.05	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.005	<0.1
	44	01/05	NT	NT	NT	NT	NT	<0.005	<0.005	<0.005	<0.005	<0.005	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	45	06/05	<0.05	<0.05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.005	<0.05
	46	08/05	<0.05	<0.05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.005	NT
	47	11/05	<0.002	<0.002	NT	NT	NT	<0.002	<0.005	<0.005	<0.002	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005
	48	12/05	NT	NT	NT	NT	NT	NT	NT	<0.010	NT	NT	<0.0025	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	49	05/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	50	06/06	<0.002	<0.0025	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.002
	51	08/06	<0.001	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	52	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	53	12/06	<0.0025	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.0025
	54	08/07	<0.001	<0.005	NT	NT	NT	<0.001	<0.01	<0.5	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.05
	55	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.050	<0.050	<0.050	<0.001	<0.001	<0.050	<0.050	<0.001	<0.050	<0.050	<0.001	NI	NI	NI	NI	NI	NI	NI	NT	NT
	56	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.250	<0.0025	<0.250	<0.0025	<0.250	<0.100	<0.100	NT	NT
	57	11/07	<0.050	<0.020	NT	NT	NT	<0.002	<0.002	<0.500	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.002	<0.050
	58	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:		**1,1-Dichloroethene**																																				
	Round	Sample	Groundwater RCMP: GW-1 = 0.007 GW-2 = 0.001																																		Surface Water GWQC = 0.000057	
	Number	Date	GZ-2	GZ-3A	GZ-10U	GZ-101	GZ-102	GZ-403U	GZ-404U	GZ-405U	GZ-406U	GZ-407U	GZ-408	GZ-500	GZ-501	GZ-502	GZ-506U	GZ-508U	GZ-601U	GZ-602U	GZ-603U	GZ-604U	GZ-605U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-611U	GZ-612U	GZ-613U	GZ-614U	GZ-615U	GZ-616U	GZ-617U	GZ-618U	SW-2	SW-6
Pre-Injection Conditions	1	08/87	**0.0390**	**0.1800**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	2	10/87	**0.0150**	ND	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	3	11/88	**0.0080**	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND	NT
	4	02/89	0.0050	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND	**0.0260**
	5	02/91	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005
	6	02-03/92	0.0045	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0180**	**0.1700**
	7	04/94	0.0019	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	8	08/94	<0.1	<0.1	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	9	11/94	<0.1	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.0028**
	10	04/95	<0.1	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.0010**
	11	08/95	<0.05	**0.0400**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	12	12/95	0.0043	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	13	05/96	<0.05	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	14	07/96	**0.0190**	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.2
	15	11/96	<0.05	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005
	16	04/97	<0.05	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
Start of Bioremediation Pilot Test	17	07/97	<0.02	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	18	12/97	**0.1300**	<0.04	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.0210**
	19	04/98	<0.2	<0.05	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	20	07/98	<0.05	0.0150	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	21	11/98	<0.1	<0.005	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.1200**
	22	3,5/99	<0.04	<0.01	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	23	07/99	**0.0290**	<0.0015	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	24	12/99	<0.05	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.05
Start of Full-Scale Bioremediation	25	06/00	<0.025	**0.0120**	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.01
	26	07/00	NT	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	27	08/00	**0.0360**	<0.001	NT	NT	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	DRY
	28	12/00	<0.05	<0.02	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.1
	29	01/01	NT	NT	NT	NT	**0.0170**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	30	06-07/01	<0.01	<0.001	NT	NT	<0.0025	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	DRY
	31	09-10/01	**0.050**	<0.005	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005
	32	12/01	<0.05	<0.0025	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.01
	33	01/02	**0.012**	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
	34	02/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	<0.005
	35	06/02	<0.001	<0.001	NT	<0.002	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005
	36	10/02	**0.017**	0.002	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.016**
	37	01/03	0.009	<0.01	NT	<0.02	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	**0.02**
	38	07/03	<0.01	0.006	NT	<0.01	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.05
	39	12/03	**0.010**	<0.005	NT	NT	<0.05	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.01**
	40	02/04	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	41	06/04	<0.10	<0.001	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.030**
	42	08/04	0.002	<0.001	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.003**
	43	11/04	<0.01	<0.01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.02
	44	01/05	NT	NT	NT	NT	NT	<.001	<.001	0.0010	<.001	<.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	45	06/05	<0.01	<0.01	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.020**
	46	08/05	<0.01	<0.01	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
	47	11/05	<0.002	<0.002	NT	NT	NT	<0.002	<0.005	<0.005	<0.002	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	<0.005
	48	12/05	NT	NT	NT	NT	NT	NT	NT	**0.035**	NT	NT	0.0028	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	49	05/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	50	06/06	<0.001	<0.0025	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	51	08/06	0.0057	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	52	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	53	12/06	NT	<0.0025	**0.0017**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	<0.001
	54	08/07	0.0039	**0.011**	NT	NT	NT	<0.001	<0.01	<0.5	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.05
	55	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	**1.2**	<0.050	<0.050	<0.001	<0.001	**0.78**	**0.210**	<0.001	**0.190**	**0.170**	<0.001	NI	NI	NI	NI	NI	NI	NT	NT
	56	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	**0.26**	<0.0025	**0.350**	<0.0025	<0.250	<0.050	<0.050	NT	NT
	57	11/07	<0.025	<0.010	NT	NT	NT	<0.001	<0.001	<0.250	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.025
	58	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:		**1,1-Dichloroethane**																																				
	Round	Sample	Groundwater RCMP: GW-1 = 0.081 GW-2 = 9.0																																		Surface Water GWQC = NA	
	Number	Date	GZ-2	GZ-3A	GZ-10U	GZ-101	GZ-102	GZ-403U	GZ-404U	GZ-405U	GZ-406U	GZ-407U	GZ-408	GZ-500	GZ-501	GZ-502	GZ-506U	GZ-508U	GZ-601U	GZ-602U	GZ-603U	GZ-604U	GZ-605U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-611U	GZ-612U	GZ-613U	GZ-614U	GZ-615U	GZ-616U	GZ-617U	GZ-618U	SW-2	SW-6
Pre-Injection Conditions	1	08/87	0.0370	0.0790	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	2	10/87	0.0140	ND	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	3	11/88	0.0030	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND	NT
	4	02/89	ND	0.0080	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND	0.0510
	5	02/91	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	0.0050
	6	02-03/92	**0.0840**	0.0130	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.01
	7	04/94	0.0240	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	0.0025
	8	08/94	**0.2500**	£0.1	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	9	11/94	**0.1500**	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	10	04/95	£0.1	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	0.0078
	11	08/95	**0.1700**	**0.2200**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	12	12/95	0.0310	0.0027	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	13	05/96	<0.05	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	0.0060
	14	07/96	**0.1100**	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	0.5600
	15	11/96	<0.05	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	0.0076
	16	04/97	<0.05	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
Start of Bioremediation Pilot Test	17	07/97	**0.1700**	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	18	12/97	**0.3800**	<0.04	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	0.2200
	19	04/98	<0.2	<0.05	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	0.0056
	20	07/98	0.0520	0.0280	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	21	11/98	<0.1	0.0075	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	0.5100
	22	3,5/99	<0.04	<0.01	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	23	07/99	**0.0990**	0.0016	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	24	12/99	0.0530	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.05
Start of Full-Scale Bioremediation	25	06/00	0.0330	0.0200	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.01
	26	07/00	NT	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	27	08/00	**0.1200**	0.0010	NT	NT	0.0170	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	DRY
	28	12/00	<0.005	<0.02	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.1
	29	01/01	NT	NT	NT	NT	0.0320	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	30	06-07/01	<0.01	<0.001	NT	NT	0.0092	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	DRY
	31	09-10/01	**0.420**	<0.005	NT	0.0022	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	0.007
	32	12/01	**0.230**	0.007	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	0.01
	33	01/02	**0.180**	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
	34	02/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	0.022
	35	06/02	0.0013	0.001	NT	0.03	0.017	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	0.0069
	36	10/02	**0.12**	0.01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	0.03
	37	01/03	0.027	0.02	NT	0.06	0.03	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	0.03
	38	07/03	0.01	0.007	NT	0.02	0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.05
	39	12/03	0.05	<0.002	NT	NT	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	0.03
	40	02/04	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	41	06/04	0.010	<0.002	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	0.030
	42	08/04	0.031	<0.002	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	0.04
	43	11/04	0.010	<0.01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	0.130
	44	01/05	NT	NT	NT	NT	NT	<0.002	0.0030	<0.002	<0.002	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	45	06/05	<0.01	0.05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	0.030
	46	08/05	0.03	0.04	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	NT
	47	11/05	<0.002	0.0023	NT	NT	NT	<0.002	0.0140	<0.005	<0.002	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	0.067
	48	12/05	NT	NT	NT	NT	NT	NT	NT	<0.010	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	49	05/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	50	06/06	<0.001	<0.0025	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	51	08/06	0.022	0.0014	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.13**
	52	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	53	12/06	<0.025	**0.013**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.058**
	54	08/07	**0.028**	**0.130**	NT	NT	NT	<0.001	0.017	<0.5	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.05
	55	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	**1**	<0.050	<0.050	<0.001	<0.001	**1.9**	**0.150**	<0.001	**0.180**	0.062	<0.001	NI	NI	NI	NI	NI	NI	NT	NT
	56	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.250	<0.0025	**0.710**	<0.0025	<0.250	<0.050	<0.050	NT	NT
	57	11/07	<0.025	0.052	NT	NT	NT	<0.001	0.0098	<0.25	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	**0.069**
	58	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:		1,2-Dichloroethane																																					
	Round	Sample	Groundwater RCMP: GW-1 = 0.005 GW-2 = 0.020																																	Surface Water GWQC = 0.00038			
	Number	Date	GZ-2	GZ-3A	GZ-10U	GZ-101	GZ-102	GZ-403U	GZ-404U	GZ-405U	GZ-406U	GZ-407U	GZ-408	GZ-500	GZ-501	GZ-502	GZ-506U	GZ-508U	GZ-601U	GZ-602U	GZ-603U	GZ-604U	GZ-605U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-611U	GZ-612U	GZ-613U	GZ-614U	GZ-615U	GZ-616U	GZ-617U	GZ-618U	SW-2	SW-6
Pre-Injection Conditions	1	08/87	ND	ND	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	2	10/87	ND	ND	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	3	11/88	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND	NT
	4	02/89	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND	ND
	5	02/91	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005
	6	02-03/92	0.0016	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.01
	7	04/94	<0.001	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	8	08/94	<0.1	<0.1	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	9	11/94	<0.1	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	10	04/95	<0.1	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	11	08/95	<0.05	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	12	12/95	<0.001	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	13	05/96	<0.05	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	14	07/96	<0.001	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.2
	15	11/96	<0.05	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005
	16	04/97	<0.05	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
Start of Bioremediation Pilot Test	17	07/97	<0.02	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	18	12/97	<0.1	<0.04	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.02
	19	04/98	<0.2	<0.05	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	20	07/98	<0.05	<0.01	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	21	11/98	<0.1	<0.005	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005
	22	3,5/99	<0.04	<0.01	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	23	07/99	<0.025	<0.0015	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	24	12/99	<0.05	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.05
Start of Full-Scale Bioremediation	25	06/00	<0.025	<0.002	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.01
	26	07/00	NT	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	27	08/00	<0.025	<0.001	NT	NT	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	DRY
	28	12/00	<0.005	<0.02	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.1
	29	01/01	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	30	06-07/01	<0.01	<0.001	NT	NT	<0.0025	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	DRY
	31	09-10/01	<0.005	<0.005	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005
	32	12/01	<0.05	<0.0025	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.01
	33	01/02	<0.010	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
	34	02/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	<0.005
	35	06/02	<0.001	<0.001	NT	<0.002	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005
	36	10/02	<0.002	<0.002	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.002
	37	01/03	<0.005	<0.01	NT	<0.02	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	<0.01
	38	07/03	<0.01	<0.005	NT	<0.01	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.01
	39	12/03	<0.01	<0.002	NT	NT	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.01
	40	02/04	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	41	06/04	<0.01	<0.002	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.010
	42	08/04	<0.002	<0.002	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.002
	43	11/04	<0.01	<0.01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.02
	44	01/05	NT	NT	NT	NT	NT	<0.002	<0.002	<0.002	<0.002	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	45	06/05	<0.01	<0.01	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.01
	46	08/05	<0.01	<0.01	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	NT
	47	11/05	<0.002	<0.002	NT	NT	NT	<0.002	<0.005	<0.005	<0.002	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005
	48	12/05	NT	NT	NT	NT	NT	NT	NT	<0.010	NT	NT	<0.0025	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	49	05/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	50	06/06	<0.001	<0.0025	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	51	08/06	<0.001	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	52	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	53	12/06	<0.0025	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.0025
	54	08/07	0.001	<0.005	NT	NT	NT	<0.001	<0.01	<0.5	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01	<0.05
	55	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.050	<0.050	<0.050	<0.001	<0.001	<0.050	<0.050	<0.001	<0.050	<0.050	<0.001	NI	NI	NI	NI	NI	NI	NT	NT
	56	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.250	<0.0025	<0.250	<0.0025	<0.250	<0.050	<0.050	NT	NT
	57	11/07	<0.025	<0.010	NT	NT	NT	<0.001	<0.001	<0.250	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.025
	58	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:		**Total 1,2-Dichloroethenes**																																					
	Round	Sample	Groundwater RCMP: GW-1 = 0.07 GW-2 = not established																																		Surface Water GWQC = 11.6	
	Number	Date	GZ-2	GZ-3A	GZ-10U	GZ-101	GZ-102	GZ-403U	GZ-404U	GZ-405U	GZ-406U	GZ-407U	GZ-408	GZ-500	GZ-501	GZ-502	GZ-506U	GZ-508U	GZ-601U	GZ-602U	GZ-603U	GZ-604U	GZ-605U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-611U	GZ-612U	GZ-613U	GZ-614U	GZ-615U	GZ-616U	GZ-617U	GZ-618U	SW-2	SW-6
Pre-Injection Conditions	1	08/87	**7.211**	**1.199**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	2	10/87	**2.1**	**0.076**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	3	11/88	**0.35**	0.022	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND	NT
	4	02/89	**0.16**	**0.55**	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.01	4.881
	5	02/91	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0019	0.26
	6	02-03/92	**7.2**	**1.5**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.003	0.39
	7	04/94	**0.7775**	0.04	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.003	0.2546
	8	08/94	**15**	**10**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0042	Dry
	9	11/94	**7.2**	0.043	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.02	<0.003
	10	04/95	**2.3**	0.0029	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0097	0.361
	11	08/95	**8.1**	**13.04**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.021	Dry
	12	12/95	**1.6074**	**0.38**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0043	0.115
	13	05/96	**3.2**	0.0027	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.009	0.411
	14	07/96	**5.928**	0.011	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.019	**54.98**
	15	11/96	**0.42**	0.021	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.003	0.552
	16	04/97	**1.1**	<0.003	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.003	0.0052
Start of Bioremediation Pilot Test	17	07/97	**12.052**	<0.003	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.03	Dry
	18	12/97	**53.11**	**4**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0095	**25.1**
	19	04/98	**4.1**	**2.9**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.003	0.2376
	20	07/98	**5.2**	**0.730**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0088	Dry
	21	11/98	**6.90**	**0.5751**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0045	7.9
	22	3,5/99	**2.1**	**0.14**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0052	Dry
	23	07/99	**8.125**	0.058	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0013	Dry
	24	12/99	**2.4**	0.059	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0012	2.866
Start of Full-Scale Bioremediation	25	06/00	**2.2**	**0.917**	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0052	0.3
	26	07/00	NT	NT	NT	**0.29**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	27	08/00	**8.455**	0.0086	NT	NT	**0.99**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0068	DRY
	28	12/00	**0.1**	**2.2**	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	**12**
	29	01/01	NT	NT	NT	NT	**2.206**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	30	06-07/01	0.046	0.0056	NT	NT	**0.13**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0023	DRY
	31	09-10/01	**13.071**	**0.56**	NT	**0.16**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.028	2.5079
	32	12/01	**5.6**	**0.54**	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	2.0
	33	01/02	**3.123**	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	NT
	34	02/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	2.8
	35	06/02	**0.075**	**0.13**	NT	**1.7046**	0.0088	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	1.6
	36	10/02	**2.435**	**1.503**	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.006	3.121
	37	01/03	**0.493**	**1.3**	NT	**4.02**	**1.1**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	3.12
	38	07/03	**0.29**	**3.3**	NT	**0.84**	**0.3**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.004	4.9
	39	12/03	**1.73**	0.041	NT	NT	<0.02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.004	2.22
	40	02/04	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	41	06/04	**0.18**	0.068	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0050	3.730
	42	08/04	**0.51**	0.029	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0030	1.95
	43	11/04	0.030	**1.90**	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0050	0.910
	44	01/05	NT	NT	NT	NT	NT	0.0100	**0.17**	<0.002	<0.002	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	45	06/05	**0.32**	**4.03**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0020	3.030
	46	08/05	**1.94**	**4.22**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0030	NT
	47	11/05	<0.002	**0.094**	NT	NT	NT	0.0095	**0.57**	<0.005	<0.002	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	0.356
	48	12/05	NT	NT	NT	NT	NT	NT	NT	<0.020	NT	NT	**0.2146**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	49	05/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.002	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	50	06/06	0.002	0.011	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.002
	51	08/06	**1.52**	0.013	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.004	0.018
	52	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	53	12/06	0.0031	**0.075**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	2.112
	54	08/07	**1.022**	**5.532**	NT	NT	NT	**0.0041**	<0.020	**1.3**	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	2.1
	55	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	**100.26**	**0.14**	**0.83**	<0.001	<0.001	**270.84**	**9.3**	<0.002	**4.7**	**0.089**	<0.002	NI	NI	NI	NI	NI	NI	NT	NT
	56	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	**18**	0.018	**120.460**	<0.0025	**22**	**3.6**	**2.9**	NT	NT
	57	11/07	0.69	**1.112**	NT	NT	NT	0.0092	**0.102**	**17**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0022	**1.76**
	58	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:	**Chloroform (Trichloromethane)**																																					
	Round	Sample	Groundwater RCMP: GW-1 = 0.006 GW-2 = 0.400																																		Surface Water GWQC = 0.0057	
	Number	Date	GZ-2	GZ-3A	GZ-10U	GZ-101	GZ-102	GZ-403U	GZ-404U	GZ-405U	GZ-406U	GZ-407U	GZ-408	GZ-500	GZ-501	GZ-502	GZ-506U	GZ-508U	GZ-601U	GZ-602U	GZ-603U	GZ-604U	GZ-605U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-611U	GZ-612U	GZ-613U	GZ-614U	GZ-615U	GZ-616U	GZ-617U	GZ-618U	SW-2	SW-6
Pre-Injection Conditions	1	08/87	ND	ND	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	2	10/87	ND	ND	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	3	11/88	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND	NT
	4	02/89	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND	ND
	5	02/91	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005
	6	02-03/92	<0.001	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.01
	7	04/94	<0.001	0.0027	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	8	08/94	<0.1	<0.1	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	9	11/94	<0.1	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	10	04/95	<0.2	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.002
	11	08/95	<0.05	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	12	12/95	<0.001	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	13	05/96	<0.05	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	14	07/96	<0.001	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.2
	15	11/96	<0.05	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005
	16	04/97	<0.05	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
Start of Bioremediation Pilot Test	17	07/97	<0.04	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	18	12/97	<0.1	<0.04	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.02
	19	04/98	<0.2	<0.05	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	20	07/98	<0.05	<0.01	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	21	11/98	**0.12**	<0.005	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005
	22	3,5/99	<0.04	<0.01	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	23	07/99	<0.025	<0.0015	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	24	12/99	<0.05	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.05
Start of Full-Scale Bioremediation	25	06/00	<0.025	<0.002	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.01
	26	07/00	NT	NT	NT	<0.01	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	27	08/00	<0.05	<0.001	NT	NT	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	DRY
	28	12/00	<0.005	<0.02	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.1
	29	01/01	NT	NT	NT	NT	<0.025	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	30	06-07/01	<0.01	<0.001	NT	NT	<0.0025	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	DRY
	31	09-10/01	<0.005	<0.005	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005
	32	12/01	<0.05	<0.0025	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.01
	33	01/02	<0.010	<0.001	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
	34	02/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	<0.005
	35	06/02	<0.001	<0.001	NT	<0.002	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005
	36	10/02	<0.002	<0.002	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.002
	37	01/03	<0.005	<0.01	NT	<0.02	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	<0.01
	38	07/03	<0.01	<0.005	NT	<0.01	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.05
	39	12/03	<0.01	<0.002	NT	NT	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.01
	40	02/04	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	41	06/04	<0.01	<0.002	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.01
	42	08/04	<0.002	<0.002	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.002
	43	11/04	<0.01	<0.01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.02
	44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	45	06/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	46	08/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	47	11/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	49	05/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	50	06/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	51	08/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	52	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	53	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	54	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	55	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	56	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	57	11/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	58	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:		**1,1,1-Trichloroethane**																																				
	Round	Sample	Groundwater RCMP: GW-1 = 0.2 GW-2 = 4.00																																	Surface Water GWQC = 31.2	
	Number	Date	GZ-2	GZ-3A	GZ-10U	GZ-101	GZ-102	GZ-403U	GZ-404U	GZ-405U	GZ-406U	GZ-407U	GZ-408	GZ-500	GZ-501	GZ-502	GZ-506U	GZ-508U	GZ-601U	GZ-602U	GZ-603U	GZ-604U	GZ-605U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-611U	GZ-612U	GZ-613U	GZ-614U	GZ-615U	GZ-616U	GZ-617U	GZ-618U	SW-2	SW-6
Pre-Injection Conditions	1	08/87	0.13	**1.2**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	2	10/87	0.13	0.042	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	3	11/88	0.04	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND	NT
	4	02/89	0.047	0.01	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND	0.13
	5	02/91	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005
	6	02-03/92	**0.2**	0.053	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.01
	7	04/94	0.037	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	0.0067
	8	08/94	**0.73**	**0.5**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	9	11/94	**0.24**	0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	10	04/95	£0.1	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	0.0089
	11	08/95	**0.37**	**0.8**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	12	12/95	0.076	0.015	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	13	05/96	<0.05	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	0.0036
	14	07/96	**0.23**	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	0.33
	15	11/96	<0.05	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	0.0053
	16	04/97	0.054	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
Start of Bioremediation Pilot Test	17	07/97	**0.58**	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	18	12/97	**0.47**	**0.29**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	1.5
	19	04/98	<0.2	0.13	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	0.0028
	20	07/98	0.15	0.17	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	21	11/98	<0.1	0.02	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	2.4
	22	3,5/99	0.16	<0.01	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	23	07/99	**0.64**	<0.0015	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	24	12/99	<0.05	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	0.100
Start of Full-Scale Bioremediation	25	06/00	0.098	0.016	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.01
	26	07/00	NT	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	27	08/00	**0.35**	<0.001	NT	NT	0.0083	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	DRY
	28	12/00	<0.005	<0.02	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	0.6
	29	01/01	NT	NT	NT	NT	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	30	06-07/01	<0.01	<0.001	NT	NT	<0.0025	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	DRY
	31	09-10/01	**0.35**	0.017	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	0.032
	32	12/01	<0.05	<0.0025	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.01
	33	01/02	0.052	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
	34	02/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	0.025
	35	06/02	<0.001	0.017	NT	0.011	0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005
	36	10/02	0.022	0.01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	0.042
	37	01/03	0.005	0.05	NT	0.12	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	0.02
	38	07/03	<0.01	<0.005	NT	<0.01	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.05
	39	12/03	0.01	<0.002	NT	NT	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.01
	40	02/04	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	41	06/04	<0.010	<0.002	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.010
	42	08/04	<0.002	<0.002	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	0.07
	43	11/04	<0.01	0.0200	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.02
	44	01/05	NT	NT	NT	NT	NT	<0.002	<0.002	**0.25**	<0.002	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	45	06/05	<0.010	**0.23**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.010
	46	08/05	<0.010	0.19	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	NT
	47	11/05	<0.002	0.0083	NT	NT	NT	<0.002	<0.005	0.022	<0.002	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	0.010
	48	12/05	NT	NT	NT	NT	NT	NT	NT	**2.70**	NT	NT	0.0150	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	49	05/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	50	06/06	<0.001	0.0036	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	51	08/06	0.004	0.004	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	52	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	53	12/06	<0.0025	0.03	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.0025
	54	08/07	<0.001	**0.29**	NT	NT	NT	<0.001	<0.01	**1.5**	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.05
	55	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	**9.7**	**0.21**	**0.12**	<0.001	<0.001	**23**	**15**	<0.001	**7.8**	**1.80**	<0.001	NI	NI	NI	NI	NI	NI	NT	NT
	56	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	**7.3**	<0.0025	**18**	<0.0025	**10**	0.120	**0.310**	NT	NT
	57	11/07	<0.025	0.11	NT	NT	NT	<0.001	<0.001	**1.8**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	0.034
	58	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:		**Trichloroethene**																																					
	Round	Sample	Groundwater RCMP: GW-1 = 0.005 GW-2 = 0.300																																		Surface Water GWQC = 0.0027	
	Number	Date	GZ-2	GZ-3A	GZ-10U	GZ-101	GZ-102	GZ-403U	GZ-404U	GZ-405U	GZ-406U	GZ-407U	GZ-408	GZ-500	GZ-501	GZ-502	GZ-506U	GZ-508U	GZ-601U	GZ-602U	GZ-603U	GZ-604U	GZ-605U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-611U	GZ-612U	GZ-613U	GZ-614U	GZ-615U	GZ-616U	GZ-617U	GZ-618U	SW-2	SW-6
Pre-Injection Conditions	1	08/87	**1.4**	**58.0**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	2	10/87	**2.2**	**1.7**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	3	11/88	**0.72**	**0.027**	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND	NT
	4	02/89	**0.86**	**0.055**	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.005**	**0.19**
	5	02/91	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0015	**0.069**
	6	02-03/92	**0.045**	**0.31**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.087**
	7	04/94	**0.028**	**0.0053**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.016**
	8	08/94	**0.19**	**6.4**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	9	11/94	£0.1	**0.017**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0035**	<0.001
	10	04/95	£0.1	0.0017	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0051**	**0.021**
	11	08/95	**0.15**	**7.1**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	12	12/95	**0.025**	**0.091**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.0036**
	13	05/96	<0.05	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0037**	**0.013**
Start of Bioremediation Pilot Test	14	07/96	**0.042**	0.0035	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0017	<0.2
	15	11/96	<0.05	**0.013**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.023**
	16	04/97	<0.05	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.0015
	17	07/97	**0.056**	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0026	Dry
	18	12/97	<0.1	**2.2**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0055**	**0.021**
	19	04/98	<0.2	**0.15**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.005**
	20	07/98	<0.05	<0.01	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0014	Dry
	21	11/98	<0.1	<0.005	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0031**	**0.044**
Start of Full-Scale Bioremediation	22	3,5/99	<0.04	<0.01	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0011	Dry
	23	07/99	**0.099**	<0.0015	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	24	12/99	<0.05	**0.011**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0012	**0.19**
	25	06/00	**0.028**	**1.50**	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0011	**0.041**
	26	07/00	NT	NT	NT	0.0025	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	27	08/00	<0.025	<0.001	NT	NT	**0.053**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	DRY
	28	12/00	<0.005	**0.780**	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0013	**0.84**
	29	01/01	NT	NT	NT	NT	**0.033**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	30	06-07/01	**0.28**	<0.001	NT	NT	0.0036	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	DRY
	31	09-10/01	<0.005	<0.005	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.0011	**0.2**
	32	12/01	<0.05	<0.0025	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.11**
	33	01/02	<0.010	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
	34	02/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	**0.1**
	35	06/02	0.0025	0.001	NT	<0.002	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.22**
	36	10/02	0.003	<0.002	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	**0.3**
	37	01/03	<0.005	<0.01	NT	<0.02	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	**0.37**
	38	07/03	<0.01	<0005	NT	<0.01	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	**0.63**
	39	12/03	<0.01	<0.002	NT	NT	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	**0.24**
	40	02/04	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	41	06/04	<0.010	0.0030	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	**0.430**
	42	08/04	<0.002	<0.002	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	**0.01**
	43	11/04	<0.01	<0.01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.02
	44	01/05	NT	NT	NT	NT	NT	**0.008**	**0.008**	**2.7**	<0.002	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	45	06/05	<0.01	<0.01	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	**0.120**
	46	08/05	<0.01	<0.01	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.014**	NT
	47	11/05	<0.002	<0.002	NT	NT	NT	**0.0064**	**0.026**	**0.57**	0.0025	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005
	48	12/05	NT	NT	NT	NT	NT	NT	NT	**34.0**	NT	NT	**0.23**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	49	05/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	**0.0078**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	50	06/06	<0.001	<0.0025	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	51	08/06	<0.001	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	52	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	0.0033	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	53	12/06	<0.0025	0.0015	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.011**
	54	08/07	<0.001	**0.0066**	NT	NT	NT	0.003	<0.01	**22**	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.05
	55	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	**130**	**2.7**	**1.3**	<0.001	<0.001	**54**	**180**	**0.0072**	**100**	**37**	<0.001	NI	NI	NI	NI	NI	NI	NT	NT
	56	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	**97**	<0.0025	**130**	<0.0025	**120**	0.100	**1.3**	NT	NT
	57	11/07	<0.025	<0.010	NT	NT	NT	**0.012**	0.0042	**11**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0012	<0.025
	58	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:		**Tetrachloroethene**																																					
	Round	Sample	Groundwater RCMP: GW-1 = 0.005 GW-2 = 3.00																																		Surface Water GWQC = 0.0008	
	Number	Date	GZ-2	GZ-3A	GZ-10U	GZ-101	GZ-102	GZ-403U	GZ-404U	GZ-405U	GZ-406U	GZ-407U	GZ-408	GZ-500	GZ-501	GZ-502	GZ-506U	GZ-508U	GZ-601U	GZ-602U	GZ-603U	GZ-604U	GZ-605U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-611U	GZ-612U	GZ-613U	GZ-614U	GZ-615U	GZ-616U	GZ-617U	GZ-618U	SW-2	SW-6
Pre-Injection Conditions	1	08/87	**0.01**	**0.98**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	2	10/87	0.004	**0.032**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	3	11/88	0.002	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND	NT
	4	02/89	0.004	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND	**0.003**
	5	02/91	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005
	6	02-03/92	£0.001	**0.006**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.01
	7	04/94	<0.001	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	8	08/94	<0.1	**0.13**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	9	11/94	<0.1	£0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	10	04/95	<0.1	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	11	08/95	<0.05	**0.14**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0024**	Dry
	12	12/95	<0.001	0.0013	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0022**	<0.001
	13	05/96	<0.05	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
Start of Bioremediation Pilot Test	14	07/96	<0.001	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.2
	15	11/96	<0.05	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005
	16	04/97	<0.05	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	17	07/97	<0.02	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	18	12/97	<0.1	<0.04	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.02
	19	04/98	<0.2	<0.05	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	20	07/98	<0.05	<0.01	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	21	11/98	<0.1	<0.005	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005
Start of Full-Scale Bioremediation	22	3,5/99	<0.04	0.044	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	23	07/99	**0.061**	<0.0015	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	24	12/99	<0.05	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.05
	25	06/00	<0.025	**0.046**	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.016**
	26	07/00	NT	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	27	08/00	<0.025	<0.001	NT	NT	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	DRY
	28	12/00	<0.005	<0.036	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.1
	29	01/01	NT	NT	NT	NT	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	<0.1
	30	06-07/01	<0.01	<0.001	NT	NT	<0.0025	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	DRY
	31	09-10/01	<0.005	<0.005	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005
	32	12/01	<0.05	<0.0025	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.01
	33	01/02	<0.010	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
	34	02/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	<0.005
	35	06/02	<0.001	<0.001	NT	<0.002	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005
	36	10/02	<0.002	<0.002	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	**0.004**
	37	01/03	<0.005	<0.01	NT	<0.02	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	<0.01
	38	07/03	<0.01	<0.005	NT	<0.01	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.05
	39	12/03	<0.01	<0.002	NT	NT	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.01
	40	02/04	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	41	06/04	<0.010	<0.002	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.010
	42	08/04	<0.002	<0.002	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.002
	43	11/04	<0.01	<0.01	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.02
	44	01/05	NT	NT	NT	NT	NT	<0.002	<0.002	**0.19**	<0.002	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	45	06/05	<0.01	<0.01	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.010
	46	08/05	<0.01	<0.01	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	NT
	47	11/05	<0.002	<0.002	NT	NT	NT	<0.002	<0.005	<0.005	<0.002	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005
	48	12/05	NT	NT	NT	NT	NT	NT	NT	**0.24**	NT	NT	<0.0025	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	49	05/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	50	06/06	<0.001	<0.0025	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	51	08/06	<0.001	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	52	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	53	12/06	<0.0025	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.0025
	54	08/07	<0.001	<0.005	NT	NT	NT	<0.001	<0.01	<0.5	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.05
	55	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	**0.17**	<0.050	<0.050	<0.001	<0.001	**0.070**	**0.350**	<0.001	**0.260**	**0.07**	<0.001	NI	NI	NI	NI	NI	NI	NT	NT
	56	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	**0.320**	<0.0025	**0.300**	<0.0025	**0.460**	<0.050	<0.050	NT	NT
	57	11/07	<0.025	<0.01	NT	NT	NT	<0.001	<0.001	<0.250	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.025
	58	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:		**Vinyl Chloride**																																					
	Round	Sample	Groundwater RCMP: GW-1 = 0.002 GW-2 = 0.002																																		Surface Water GWQC = 0.002	
	Number	Date	GZ-2	GZ-3A	GZ-10U	GZ-101	GZ-102	GZ-403U	GZ-404U	GZ-405U	GZ-406U	GZ-407U	GZ-408	GZ-500	GZ-501	GZ-502	GZ-506U	GZ-508U	GZ-601U	GZ-602U	GZ-603U	GZ-604U	GZ-605U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-611U	GZ-612U	GZ-613U	GZ-614U	GZ-615U	GZ-616U	GZ-617U	GZ-618U	SW-2	SW-6
Pre-Injection Conditions	1	08/87	ND	ND	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	2	10/87	ND	ND	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	3	11/88	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND	NT
	4	02/89	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND	ND
	5	02/91	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.004	<0.02
	6	02-03/92	<0.01	<0.010	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.005	<0.05
	7	04/94	**0.011**	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	0.0019
	8	08/94	<0.1	**0.249**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	9	11/94	**0.16**	£0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0048**	<0.001
	10	04/95	<0.1	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	£0.001	**0.027**
	11	08/95	**0.35**	**1.1**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.004**	Dry
	12	12/95	**0.074**	**0.21**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.064**
	13	05/96	<0.05	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.023**
Start of Bioremediation Pilot Test	14	07/96	<0.001	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**1**
	15	11/96	<0.05	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005
	16	04/97	<0.05	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	17	07/97	**0.11**	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	18	12/97	**4.3**	**0.23**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.12**
	19	04/98	<0.2	**0.24**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.014**
	20	07/98	<0.1	**0.7**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	21	11/98	**2.0**	**0.16**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.38**
Start of Full-Scale Bioremediation	22	3,5/99	**0.12**	**0.022**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	23	07/99	**0.73**	**0.026**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	24	12/99	**0.095**	**0.018**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.05
	25	06/00	<0.025	**0.37**	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.01
	26	07/00	NT	NT	NT	**0.22**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	27	08/00	**0.68**	**0.016**	NT	NT	**0.071**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0023**	DRY
	28	12/00	<0.05	<0.2	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01	<1.0
	29	01/01	NT	NT	NT	NT	**0.120**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	30	06-07/01	**0.017**	0.001	NT	NT	**0.056**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	DRY
	31	09-10/01	**8.2**	**0.2**	NT	**0.083**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.0029**	**0.039**
	32	12/01	**4.8**	**0.14**	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.01
	33	01/02	**2.6**	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
	34	02/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	**0.01**
	35	06/02	**0.0027**	**0.01**	NT	**0.3**	**0.002**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005
	36	10/02	**3.3**	**0.6**	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	**0.002**	**0.053**
	37	01/03	**1.5**	**0.7**	NT	**0.94**	**0.32**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	**0.1**
	38	07/03	**1.9**	**0.22**	NT	**0.52**	**0.12**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.3
	39	12/03	**2.4**	**0.011**	NT	NT	<0.02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	**0.07**
	40	02/04	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	41	06/04	**0.860**	**0.013**	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	**0.240**
	42	08/04	**0.73**	**0.013**	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	**0.06**
	43	11/04	**0.180**	**0.39**	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	**0.690**
	44	01/05	NT	NT	NT	NT	NT	<0.002	**0.0060**	<0.002	<0.002	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	45	06/05	**0.440**	**1.90**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	**0.280**
	46	08/05	**2.200**	**1.10**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	NT
	47	11/05	**0.003**	**0.16**	NT	NT	NT	<0.002	**0.0510**	<0.005	<0.002	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.270**
	48	12/05	NT	NT	NT	NT	NT	NT	NT	<0.010	NT	NT	**0.0290**	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	49	05/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	50	06/06	0.0015	0.032	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	51	08/06	**1.7**	**0.058**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.11**
	52	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	53	12/06	<0.0025	**0.36**	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.77**
	54	08/07	**1.4**	**2.6**	NT	NT	NT	<0.001	<0.01	<0.5	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	**0.23**
	55	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	**0.12**	<0.050	<0.050	<0.001	<0.001	**2.6**	<0.050	<0.001	<0.050	<0.050	<0.001	NI	NI	NI	NI	NI	NI	NT	NT
	56	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.250	**0.0072**	**3.4**	<0.0025	<0.0025	<0.050	<0.050	NT	NT
	57	11/07	**0.49**	**1.5**	NT	NT	NT	<0.001	**0.006**	<0.250	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	**0.15**
	58	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:		**Chloroethane**																																						
	Round	Sample	Groundwater RCMP = NA																																		Surface Water GWQC = NA			
	Number	Date	GZ-2	GZ-3A	GZ-10U	GZ-101	GZ-102	GZ-403U	GZ-404U	GZ-405U	GZ-406U	GZ-407U	GZ-408	GZ-500	GZ-501	GZ-502	GZ-506U	GZ-508U	GZ-601U	GZ-602U	GZ-603U	GZ-604U	GZ-605U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-611U	GZ-612U	GZ-613U	GZ-614U	GZ-615U	GZ-616U	GZ-617U	GZ-618U	SW-2	SW-6
Pre-Injection Conditions	1	08/87	ND	ND	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	2	10/87	ND	ND	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	3	11/88	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND	NT
	4	02/89	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND	ND
	5	02/91	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005
	6	02-03/92	<0.004	<0.004	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.02
	7	04/94	<0.001	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	8	08/94	<0.1	<0.1	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	9	11/94	<0.1	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	10	04/95	<0.1	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	11	08/95	<0.05	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	12	12/95	<0.001	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	13	05/96	<0.05	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
Start of Bioremediation Pilot Test	14	07/96	<0.001	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.2
	15	11/96	<0.05	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005
	16	04/97	<0.05	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	17	07/97	<0.02	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	18	12/97	<0.1	<0.04	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.02
	19	04/98	<0.2	<0.05	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	20	07/98	<0.05	<0.01	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	21	11/98	<0.1	<0.005	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005
Start of Full-Scale Bioremediation	22	3,5/99	<0.04	<0.01	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	23	07/99	<0.025	<0.0015	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	24	12/99	<0.05	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.05
	25	06/00	<0.025	0.18	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.01
	26	07/00	NT	NT	NT	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	27	08/00	<0.025	<0.001	NT	NT	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	DRY
	28	12/00	<0.05	<0.2	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.01	<1.0
	29	01/01	NT	NT	NT	NT	<0.005	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	30	06-07/01	<0.01	<0.001	NT	NT	<0.0025	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	DRY
	31	09-10/01	<0.005	<0.005	NT	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005
	32	12/01	<0.05	<0.0025	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.01
	33	01/02	0.022	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	NT
	34	02/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	<0.005
	35	06/02	<0.001	<0.001	NT	0.0096	0.0068	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005
	36	10/02	0.063	<0.005	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.005	<0.005
	37	01/03	<0.03	<0.05	NT	<0.1	<0.05	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	<0.05
	38	07/03	<0.05	<0.1	NT	<0.05	<0.05	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.005	<0.3
	39	12/03	0.05	<0.002	NT	NT	<0.05	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.005	<0.05
	40	02/04	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	41	06/04	<0.050	<0.005	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.005	<0.050
	42	08/04	0.04	<0.005	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.005	<0.005
	43	11/04	<0.05	<0.005	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.005	<0.1
	44	01/05	NT	NT	NT	NT	NT	<0.005	<0.005	<0.005	<0.005	<0.005	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	45	06/05	<0.05	<0.05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.005	<0.050
	46	08/05	0.17	<0.05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.005	NT
	47	11/05	0.008	<0.002	NT	NT	NT	<0.002	<0.005	<0.005	<0.002	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005
	48	12/05	NT	NT	NT	NT	NT	NT	NT	<0.010	NT	NT	0.0049	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	49	05/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	50	06/06	0.0015	<0.0025	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	51	08/06	0.074	<0.001	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	0.0037
	52	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	53	12/06	0.0039	<0.01	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.0025
	54	08/07	<0.001	<0.005	NT	NT	NT	<0.001	<0.01	<0.5	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.05
	55	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.050	<0.050	<0.050	<0.001	<0.001	<0.050	<0.050	<0.001	<0.050	<0.050	<0.001	NI	NI	NI	NI	NI	NI	NT	NT
	56	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.250	<0.0025	<0.250	<0.0025	<0.0025	<0.050	<0.050	NT	NT
	57	11/07	0.097	<0.001	NT	NT	NT	<0.001	0.0024	<0.25	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.025
	58	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:		**Benzene**																																				
	Round	Sample	Groundwater RCMP: GW-1 = 0.005 GW-2 = 2.00																																		Surface Water GWQC = 0.0012	
	Number	Date	GZ-2	GZ-3A	GZ-10U	GZ-101	GZ-102	GZ-403U	GZ-404U	GZ-405U	GZ-406U	GZ-407U	GZ-408	GZ-500	GZ-501	GZ-502	GZ-506U	GZ-508U	GZ-601U	GZ-602U	GZ-603U	GZ-604U	GZ-605U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-611U	GZ-612U	GZ-613U	GZ-614U	GZ-615U	GZ-616U	GZ-617U	GZ-618U	SW-2	SW-6
Pre-Injection Conditions	1	08/87	**0.008**	**0.006**	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	2	10/87	ND	ND	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	3	11/88	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND	NT
	4	02/89	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND	ND
	5	02/91	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005
	6	02-03/92	<0.001	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	7	04/94	<0.001	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	8	08/94	<0.1	<0.1	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	9	11/94	<0.001	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	10	04/95	<0.1	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	11	08/95	<0.001	0.0019	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	12	12/95	<0.001	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	13	05/96	<0.05	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
Start of Bioremediation Pilot Test	14	07/96	<0.001	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.2
	15	11/96	<0.05	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005
	16	04/97	<0.05	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	Dry
	18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	Dry
	21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
Start of Full-Scale Bioremediation	22	3,5/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	Dry
	23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	Dry
	24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	25	06/00	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	26	07/00	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	27	08/00	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	28	12/00	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	29	01/01	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	30	06-07/01	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	31	09-10/01	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	32	12/01	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	33	01/02	<0.010	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
	34	02/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	35	06/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	36	10/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	37	01/03	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	38	07/03	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	39	12/03	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	40	02/04	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	41	06/04	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	42	08/04	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	43	11/04	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	45	06/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	46	08/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	47	11/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	49	05/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	50	06/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	51	08/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	52	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	53	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	54	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	55	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	56	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	57	11/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	58	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:		**Toluene**																																				
	Round	Sample	Groundwater RCMP: GW-1 = 1.0 GW-2 = 6.0																																	Surface Water GWQC = 0.0068	
	Number	Date	GZ-2	GZ-3A	GZ-10U	GZ-101	GZ-102	GZ-403U	GZ-404U	GZ-405U	GZ-406U	GZ-407U	GZ-408	GZ-500	GZ-501	GZ-502	GZ-506U	GZ-508U	GZ-601U	GZ-602U	GZ-603U	GZ-604U	GZ-605U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-611U	GZ-612U	GZ-613U	GZ-614U	GZ-615U	GZ-616U	GZ-617U	GZ-618U	SW-2	SW-6
Pre-Injection Conditions	1	08/87	0.052	0.31	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	2	10/87	ND	ND	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	3	11/88	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND	NT
	4	02/89	ND	ND	0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND	ND
	5	02/91	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005
	6	02-03/92	<0.001	0.0087	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	7	04/94	<0.001	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	8	08/94	<0.1	<0.1	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	9	11/94	<0.001	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	10	04/95	<0.1	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	11	08/95	<0.001	0.054	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	12	12/95	<0.001	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	13	05/96	<0.05	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
Start of Bioremediation Pilot Test	14	07/96	<0.001	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.2
	15	11/96	<0.05	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005
	16	04/97	<0.05	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	Dry
	18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	Dry
	21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
Start of Full-Scale Bioremediation	22	3,5/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	Dry
	23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	Dry
	24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	25	06/00	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	26	07/00	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	27	08/00	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	28	12/00	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	29	01/01	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	30	06-07/01	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	31	09-10/01	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	32	12/01	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	33	01/02	0.100	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
	34	02/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	35	06/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	36	10/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	37	01/03	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	38	07/03	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	39	12/03	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	40	02/04	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	41	06/04	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	42	08/04	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	43	11/04	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	45	06/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	46	08/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	47	11/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	49	05/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	50	06/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	51	08/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	52	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	53	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	54	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	55	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NT	NT
	56	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	57	11/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	58	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:		**Ethylbenzene**																																				
	Round	Sample	Groundwater RCMP: GW-1 = 0.7 GW-2 = 30.0																																	Surface Water GWQC = 0.43		
	Number	Date	GZ-2	GZ-3A	GZ-10U	GZ-101	GZ-102	GZ-403U	GZ-404U	GZ-405U	GZ-406U	GZ-407U	GZ-408	GZ-500	GZ-501	GZ-502	GZ-506U	GZ-508U	GZ-601U	GZ-602U	GZ-603U	GZ-604U	GZ-605U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-611U	GZ-612U	GZ-613U	GZ-614U	GZ-615U	GZ-616U	GZ-617U	GZ-618U	SW-2	SW-6
Pre-Injection Conditions	1	08/87	0.004	0.025	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	2	10/87	ND	ND	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	3	11/88	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND	NT
	4	02/89	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND	ND
	5	02/91	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005
	6	02-03/92	<0.001	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	7	04/94	<0.001	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	8	08/94	<0.1	<0.1	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	9	11/94	<0.001	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	10	04/95	<0.1	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	11	08/95	<0.001	0.016	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	Dry
	12	12/95	<0.001	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	13	05/96	<0.05	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
Start of Bioremediation Pilot Test	14	07/96	<0.001	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.2
	15	11/96	<0.05	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.005
	16	04/97	<0.05	<0.001	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	<0.001
	17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	Dry
	18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	Dry
	21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
Start of Full-Scale Bioremediation	22	3,5/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	Dry
	23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	Dry
	24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	25	06/00	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	26	07/00	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	27	08/00	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	28	12/00	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	29	01/01	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	30	06-07/01	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	31	09-10/01	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	32	12/01	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	33	01/02	0.0120	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.001	NT
	34	02/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	35	06/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	36	10/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	37	01/03	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	38	07/03	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	39	12/03	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	40	02/04	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	41	06/04	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	42	08/04	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	43	11/04	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	45	06/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	46	08/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	47	11/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	49	05/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.001	<0.001	<0.001	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	50	06/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	51	08/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	52	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	53	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	54	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	55	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NT	NT
	56	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	57	11/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	58	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:		Total Xylenes																																				
	Round	Sample	Groundwater RCMP: GW-1 = 10.0 GW-2 = 6.0																																	Surface Water GWQC = NA	
	Number	Date	GZ-2	GZ-3A	GZ-10U	GZ-101	GZ-102	GZ-403U	GZ-404U	GZ-405U	GZ-406U	GZ-407U	GZ-408	GZ-500	GZ-501	GZ-502	GZ-506U	GZ-508U	GZ-601U	GZ-602U	GZ-603U	GZ-604U	GZ-605U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-611U	GZ-612U	GZ-613U	GZ-614U	GZ-615U	GZ-616U	GZ-617U	GZ-618U	SW-2	SW-6
Pre-Injection Conditions	1	08/87	0.008	0.12	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	2	10/87	ND	ND	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	3	11/88	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND	NT
	4	02/89	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	ND	ND
	5	02/91	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.005
	6	02-03/92	<0.002	0.0059	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	7	04/94	<0.002	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.002
	8	08/94	<0.2	<0.2	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	Dry
	9	11/94	<0.002	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.002
	10	04/95	<0.2	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.002
	11	08/95	<0.002	0.205	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	Dry
	12	12/95	<0.002	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.002
	13	05/96	<0.1	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.002
Start of Bioremediation Pilot Test	14	07/96	<0.002	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.4
	15	11/96	<0.1	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.01
	16	04/97	<0.1	<0.002	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.002	<0.002
	17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	Dry
	18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	Dry
	21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
Start of Full-Scale Bioremediation	22	3,5/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	Dry
	23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	Dry
	24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	25	06/00	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	26	07/00	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	27	08/00	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	28	12/00	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	29	01/01	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	30	06-07/01	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	31	09-10/01	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	32	12/01	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	33	01/02	0.0480	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	<0.003	NT
	34	02/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	35	06/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	36	10/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	37	01/03	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	38	07/03	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	39	12/03	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	40	02/04	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	41	06/04	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	42	08/04	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	43	11/04	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	45	06/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	46	08/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	47	11/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	49	05/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.002	<0.002	<0.002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	50	06/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT			NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	51	08/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	52	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	53	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	54	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	55	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NT	NT
	56	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	57	11/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	58	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:		**Methane**																																		
	Round	Sample	Groundwater RCMP = NA																																		
	Number	Date	GZ-1A	GZ-2	GZ-3A	GZ-101	GZ-102	GZ-403U	GZ-404U	GZ-405U	GZ-406U	GZ-407U	GZ-408	GZ-500	GZ-501	GZ-502	GZ-506U	GZ-508U	GZ-601U	GZ-602U	GZ-603U	GZ-604U	GZ-605U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-611U	GZ-612U	GZ-613U	GZ-614U	GZ-615U	GZ-616U	GZ-617U	GZ-618U
Pre-Injection Conditions	1	08/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	2	10/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	3	11/88	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	4	02/89	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	5	02/91	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	6	02-03/92	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	7	04/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	8	08/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	9	11/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	10	04/95	<0.01	<0.01	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	11	08/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	12	12/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	13	05/96	NT	<0.01	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Start of Bioremediation Pilot Test	14	07/96	NT	<0.01	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	15	11/96	NT	<0.01	<0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	16	04/97	NT	0.01	0.01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	17	07/97	NT	0.37	<0.015	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	18	12/97	NT	0.37	0.38	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	19	04/98	NT	<0.01	9.00	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	20	07/98	NT	0.10	27.00	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Start of Full-Scale Bioremediation	21	11/98	NT	5.60	89.00	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	22	3,5/99	NT	0.32	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	23	07/99	NT	0.32	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	24	12/99	NT	0.11	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	25	06/00	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	26	07/00	NT	NT	NT	2.2	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	27	08/00	NT	NT	NT	NT	0.18	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	28	12/00	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	29	01/01	NT	NT	NT	NT	+0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	30	06-07/01	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	31	09-10/01	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	32	12/01	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	33	01/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	34	02/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	35	06/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	36	10/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	37	01/03	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	38	07/03	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	39	12/03	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	40	02/04	NT	NT	NT	8.1	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	41	06/04	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	42	08/04	NT	5.80	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	43	11/04	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	45	06/05	NT	11.0	10.0	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	46	08/05	NT	5.30	5.3	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	47	11/05	NT	11.0	11.0	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	49	05/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	50	06/06	NT	>9.5	>9.5	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	51	08/06	NT	>13	>16	NT	NT	NT	NT	NT	0.020	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	52	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	53	12/06	NT	7	>15	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	54	08/07	NT	>12	>11	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	55	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI
	56	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	57	11/07	NT	7.1	6.7	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	58	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

Contaminant: **Ethane**

Round Number	Date	Sample GZ-1A	GZ-2	GZ-3A	GZ-101	GZ-102	GZ-403U	GZ-404U	GZ-405U	GZ-406U	GZ-407U	GZ-408	GZ-500	GZ-501	GZ-502	GZ-506U	GZ-508U	GZ-601U	GZ-602U	GZ-603U	GZ-604U	GZ-605U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-611U	GZ-612U	GZ-613U	GZ-614U	GZ-615U	GZ-616U	GZ-617U	GZ-618U
42	08/04	NT	0.03	<0.020	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
43	11/04	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
45	06/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
46	08/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
47	11/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
49	05/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
50	06/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
51	08/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
52	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
53	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
54	08/07	NT	<0.1	<0.1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
55	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
56	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
57	11/07	NT	<0.100	<0.100	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
58	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Contaminant: **Ethene**

Round Number	Sample Date	Groundwater RCMP = NA GZ-1A	GZ-2	GZ-3A	GZ-101	GZ-102	GZ-403U	GZ-404U	GZ-405U	GZ-406U	GZ-407U	GZ-408	GZ-500	GZ-501	GZ-502	GZ-506U	GZ-508U	GZ-601U	GZ-602U	GZ-603U	GZ-604U	GZ-605U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-611U	GZ-612U	GZ-613U	GZ-614U	GZ-615U	GZ-616U	GZ-617U	GZ-618U
42	08/04	NT	0.13	<0.020	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
43	11/04	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
45	06/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
46	08/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
47	11/05	NT	0.260	0.18	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
49	05/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
50	06/06	NT	0.05	0.087	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
51	08/06	NT	0.23	0.076	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
52	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
53	12/06	NT	<0.1	<0.1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
54	08/07	NT	<0.1	<0.1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
55	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
56	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
57	11/07	NT	<0.100	<0.100	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
58	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:	Iron																																		
	Round Number	Sample Date	Groundwater RCMP = NA																																		
			GZ-1A	GZ-2	GZ-3A	GZ-101	GZ-102	GZ-403U	GZ-404U	GZ-405U	GZ-406U	GZ-407U	GZ-408	GZ-500	GZ-501	GZ-502	GZ-506U	GZ-508U	GZ-601U	GZ-602U	GZ-603U	GZ-604U	GZ-605U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-611U	GZ-612U	GZ-613U	GZ-614U	GZ-615U	GZ-616U	GZ-617U	GZ-618U
Pre-Injection Conditions	1	08/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	2	10/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	3	11/88	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	4	02/89	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	5	02/91	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	6	02-03/92	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	7	04/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	8	08/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	9	11/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	10	04/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	11	08/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	12	12/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	13	05/96	NT	0.041	0.009	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Start of Bioremediation Pilot Test	14	07/96	NT	<0.007	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	15	11/96	NT	0.029	0.267	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	16	04/97	NT	0.007	<0.007	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Start of Full-Scale Bioremediation	21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	22	3,5/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	25	06/00	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	26	07/00	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	27	08/00	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	28	12/00	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	29	01/01	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	30	06-07/01	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	31	09-10/01	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	32	12/01	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	33	01/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	34	02/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	35	06/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	36	10/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	37	01/03	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	38	07/03	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	39	12/03	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	40	02/04	NT	NT	NT	67	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	41	06/04	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	42	08/04	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	43	11/04	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	45	06/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	46	08/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	47	11/05	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	49	05/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	50	06/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	51	08/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	52	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	53	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	54	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	55	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	56	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	57	11/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	58	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

Contaminant: **Manganese**

	Round Number	Sample Date	Groundwater RCMP = 0.84																																		
			GZ-1A	GZ-2	GZ-3A	GZ-101	GZ-102	GZ-403U	GZ-404U	GZ-405U	GZ-406U	GZ-407U	GZ-408	GZ-500	GZ-501	GZ-502	GZ-506U	GZ-508U	GZ-601U	GZ-602U	GZ-603U	GZ-604U	GZ-605U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-611U	GZ-612U	GZ-613U	GZ-614U	GZ-615U	GZ-616U	GZ-617U	GZ-618U
Pre-Injection Conditions	1	08/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	2	10/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	3	11/88	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	4	02/89	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	5	02/91	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	6	02-03/92	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	7	04/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	8	08/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	9	11/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	10	04/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	11	08/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	12	12/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	13	05/96	NT	0.007	0.011	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Start of Bioremediation Pilot Test	14	07/96	NT	0.037	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	15	11/96	NT	0.018	0.114	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	16	04/97	NT	0.006	0.003	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	17	07/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	18	12/97	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	19	04/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	20	07/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Start of Full-Scale Bioremediation	21	11/98	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	22	3,5/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	24	12/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	25	06/00	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	26	07/00	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	27	08/00	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	28	12/00	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	29	01/01	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	30	06-07/01	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	31	09-10/01	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	32	12/01	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	33	01/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	34	02/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	35	06/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	36	10/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	37	01/03	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	38	07/03	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	39	12/03	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	40	02/04	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	41	06/04	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	42	08/04	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	43	11/04	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	45	06/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	46	08/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	47	11/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	49	05/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	50	06/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	51	08/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	52	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	53	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	54	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	55	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
	56	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	57	11/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	58	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:	**Chloride**																																				
	Round	Sample	Groundwater RCMP = NA																																	Surface Water GWQC = 230	
	Number	Date	GZ-1A	GZ-2	GZ-3A	GZ-101	GZ-102	GZ-403U	GZ-404U	GZ-405U	GZ-406U	GZ-407U	GZ-408	GZ-500	GZ-501	GZ-502	GZ-506U	GZ-508U	GZ-601U	GZ-602U	GZ-603U	GZ-604U	GZ-605U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-611U	GZ-612U	GZ-613U	GZ-614U	GZ-615U	GZ-616U	GZ-617U	GZ-618U	SW-2	SW-6
Pre-Injection Conditions	1	08/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	2	10/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	3	11/88	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	4	02/89	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	5	02/91	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	6	02-03/92	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	7	04/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	8	08/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	9	11/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	10	04/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	11	08/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	12	12/95	NT	10	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	13	05/96	NT	5	4	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
Start of Bioremediation Pilot Test	14	07/96	NT	14	4	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	15	11/96	NT	3	2	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	130	23
	16	04/97	NT	9	3	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	40	27
	17	07/97	NT	21	2	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	Dry
	18	12/97	NT	37.5	175	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	19	04/98	NT	13	21	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	20	07/98	NT	14	3	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	21	11/98	NT	12	12	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
Start of Full-Scale Bioremediation	22	3,5/99	NT	9	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	24	12/99	NT	12	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	25	06/00	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	26	07/00	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	27	08/00	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	28	12/00	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	29	01/01	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	30	06-07/01	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	31	09-10/01	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	32	12/01	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	33	01/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	34	02/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	35	06/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	36	10/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	37	01/03	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	38	07/03	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	39	12/03	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	40	02/04	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	41	06/04	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	42	08/04	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	43	11/04	NT	20	10	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	45	06/05	NT	9	13	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	46	08/05	NT	40	11	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	47	11/05	NT	8	4	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	49	05/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	50	06/06	NT	5.9	2.6	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	51	08/06	NT	0.03	1.8	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	52	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	53	12/06	NT	6.2	6.2	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	54	08/07	NT	32	16	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT
	55	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NT	NT
	56	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	57	11/07	NT	64	6.9	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	58	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

Contaminant: **Total Organic Carbon (TOC), Sample Round No. 13.**
Chemical Oxygen Demand (COD), Subsequent Sample Rounds until Round No. 43. Data for that round respectively reflect COD and TOC concentrations.

	Round Number	Sample Date	Groundwater RCMP = NA																																		
			GZ-1A	GZ-2	GZ-3A	GZ-101	GZ-102	GZ-403U	GZ-404U	GZ-405U	GZ-406U	GZ-407U	GZ-408	GZ-500	GZ-501	GZ-502	GZ-506U	GZ-508U	GZ-601U	GZ-602U	GZ-603U	GZ-604U	GZ-605U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-611U	GZ-612U	GZ-613U	GZ-614U	GZ-615U	GZ-616U	GZ-617U	GZ-618U
Pre-Injection Conditions	1	08/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	2	10/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	3	11/88	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	4	02/89	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	5	02/91	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	6	02-03/92	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	7	04/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	8	08/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	9	11/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	10	04/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	11	08/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	12	12/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	13	05/96	NT	7	2	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Start of Bioremediation Pilot Test	14	07/96	NT	30	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	15	11/96	NT	<5	5	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	16	04/97	NT	<5	20	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	17	07/97	NT	25	<5	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	18	12/97	NT	1,070	2,030	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	19	04/98	NT	15	2,300	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	20	07/98	NT	490	1,300	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	21	11/98	NT	110	170	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Start of Full-Scale Bioremediation	22	03/99	NT	28	131	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	23	07/99	NT	17	469	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	24	12/99	NT	26	45	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	25	06/00	NT	9	38	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	26	07/00	NT	NT	NT	46	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	27	08/00	NT	1,800	100	NT	63	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	28	12/00	NT	1,400	62	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	29	01/01	NT	NT	NT	NT	2,900	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	30	06-07/01	NT	160	540	NT	<0.890	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	31	09-10/01	NT	1,700	844	715	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	32	12/01	NT	1,240	5,210	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	33	01/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	34	02/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	35	06/02	NT	10,000	280	48	270	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	36	10/02	NT	3,100	190	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	37	01/03	NT	490	710	50	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	38	07/03	NT	4,800	4,000	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	39	12/03	NT	3,000	100	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	40	02/04	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	41	06/04	NT	1,800	420	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	42	08/04	NT	1200	70	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	43	11/04	NT	520 / 180	1,000 / 310	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	45	06/05	NT	800 / 240	620 / 240	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	46	08/05	NT	1,500 / 450	730 / 170	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	47	11/05	NT	330 / 76	89 / 26	NT	NT	NT	NT	9	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	49	05/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	50	06/06	NT	470 / 120	30 / 16	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	51	08/06	NT	1,100 / 350	43 / 9.6	NT	NT	NT	NT	406	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	52	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	53	12/06	NT	340 / 100	280 / 86	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	54	08/07	NT	150/520	800 / 250	NT	NT	NT	NT	370	NT	NT	26	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	55	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI
	56	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	57	11/07	NT	320/89	360/120	NT	NT	5	8	130	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	58	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

Contaminant: **Nitrate**

Groundwater RCMP = GW-1 = 10 GW-2 = not established

	Round Number	Sample Date	GZ-1A	GZ-2	GZ-3A	GZ-101	GZ-102	GZ-403U	GZ-404U	GZ-405U	GZ-406U	GZ-407U	GZ-408	GZ-500	GZ-501	GZ-502	GZ-506U	GZ-508U	GZ-601U	GZ-602U	GZ-603U	GZ-604U	GZ-605U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-611U	GZ-612U	GZ-613U	GZ-614U	GZ-615U	GZ-616U	GZ-617U	GZ-618U
Pre-Injection Conditions	1	08/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	2	10/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	3	11/88	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	4	02/89	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	5	02/91	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	6	02-03/92	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	7	04/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	8	08/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	9	11/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	10	04/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	11	08/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	12	12/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	13	05/96	NT	1.1	1.2	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Start of Bioremediation Pilot Test	14	07/96	NT	0.53	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	15	11/96	NT	3.6	3.2	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	16	04/97	NT	1.3	1	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	17	07/97	NT	2	1.5	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	18	12/97	NT	0.225	<4.05	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	19	04/98	NT	<0.05	0.07	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	20	07/98	NT	<0.05	<0.05	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	21	11/98	NT	<0.05	<0.05	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Start of Full-Scale Bioremediation	22	3,5/99	NT	1.3	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	24	12/99	NT	2.14	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	25	06/00	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	26	07/00	NT	NT	NT	<0.1	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	27	08/00	NT	NT	NT	NT	<0.1	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	28	12/00	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	29	01/01	NT	NT	NT	NT	<0.1	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	30	06-07/01	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	31	09-10/01	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	32	12/01	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	33	01/02	NT	0.005	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	34	02/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	35	06/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	36	10/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	37	01/03	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	38	07/03	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	39	12/03	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	40	02/04	NT	NT	NT	<0.5	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	41	06/04	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	42	08/04	NT	<0.5	<0.5	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	43	11/04	NT	<0.5	<0.5	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	45	06/05	NT	<0.5	<0.5	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	46	08/05	NT	<0.5	<0.5	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	47	11/05	NT	<0.05	<0.05	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	49	05/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	50	06/06	NT	<0.025	0.029	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	51	08/06	NT	<0.025	<0.025	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	52	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	53	12/06	NT	<0.1	<0.1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	54	08/07	NT	<0.05	<0.05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	55	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI
	56	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	57	11/07	NT	0.065	0.051	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	58	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:		Sulfate																																	
	Round	Sample	Groundwater RCMP: GW-1 = 500																																	
	Number	Date	GZ-1A	GZ-2	GZ-3A	GZ-101	GZ-102	GZ-403U	GZ-404U	GZ-405U	GZ-406U	GZ-407U	GZ-408	GZ-500	GZ-501	GZ-502	GZ-506U	GZ-508U	GZ-601U	GZ-602U	GZ-603U	GZ-604U	GZ-605U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-611U	GZ-612U	GZ-613U	GZ-614U	GZ-615U	GZ-616U	GZ-617U	GZ-618U
Pre-Injection Conditions	1	08/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	2	10/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	3	11/88	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	4	02/89	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	5	02/91	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	6	02-03/92	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	7	04/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	8	08/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	9	11/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	10	04/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	11	08/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	12	12/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	13	05/96	NT	29	26	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Start of Bioremediation Pilot Test	14	07/96	NT	35	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	15	11/96	NT	17	22	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	16	04/97	NT	23	17	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	17	07/97	NT	25	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	18	12/97	NT	<50.6	75.4	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	19	04/98	NT	17	<10	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	20	07/98	NT	11	<10	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Start of Full-Scale Bioremediation	21	11/98	NT	29	50	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	22	3,5/99	NT	40	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	23	07/99	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	24	12/99	NT	23	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	25	06/00	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	26	07/00	NT	NT	NT	29	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	27	08/00	NT	NT	NT	NT	39	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	28	12/00	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	29	01/01	NT	NT	NT	NT	<20	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	30	06-07/01	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	31	09-10/01	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	32	12/01	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	33	01/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	34	02/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	35	06/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	36	10/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	37	01/03	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	38	07/03	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	39	12/03	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	40	02/04	NT	NT	NT	<1	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	41	06/04	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	42	08/04	NT	3	14	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	43	11/04	NT	<1	2	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	45	06/05	NT	<1	7	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	46	08/05	NT	<1	4	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	47	11/05	NT	3	58	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	49	05/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	50	06/06	NT	0.24	12	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	51	08/06	NT	0.11	6.9	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	52	10/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	53	12/06	NT	0.29	21	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	54	08/07	NT	0.16	5.8	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	55	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI
	56	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	57	11/07	NT	1.5	35	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	58	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:		Dissolved Oxygen																																	
	Round	Sample	Groundwater RCMP = NA																																	
	Number	Date	GZ-1A	GZ-2	GZ-3A	GZ-101	GZ-102	GZ-403U	GZ-404U	GZ-405U	GZ-406U	GZ-407U	GZ-408	GZ-500	GZ-501	GZ-502	GZ-506U	GZ-508U	GZ-601U	GZ-602U	GZ-603U	GZ-604U	GZ-605U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-611U	GZ-612U	GZ-613U	GZ-614U	GZ-615U	GZ-616U	GZ-617U	GZ-618U
Pre-Injection Conditions	1	08/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	2	10/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	3	11/88	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	4	02/89	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	5	02/91	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	6	02-03/92	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	7	04/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	8	08/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	9	11/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	10	04/95	5.8	4.4	4.7	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	11	08/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	12	12/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	13	05/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Start of Bioremediation Pilot Test	14	07/96	NT	6.3	6.5	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	15	11/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	16	04/97	NT	6.9	7.4	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	17	07/97	NT	+7	+7	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	18	12/97	NT	0	0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	19	04/98	NT	0	0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	20	07/98	NT	0	0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	21	11/98	NT	0	0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Start of Full-Scale Bioremediation	22	3,5/99	NT	1.8	0.4	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	23	07/99	NT	0.2	0.2	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	24	12/99	NT	3.2	1.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	25	06/00	NT	4.6	0.4	0.2	0.5	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	26	07/00	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	27	08/00	NT	0.5	1.1	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	28	12/00	NT	0.1	0.3	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	29	01/01	NT	NT	NT	NT	0.1	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	30	06-07/01	NT	0.5	0.7	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	31	09-10/01	NT	0.1	0.7	0.2	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	32	12/01	NT	0.4	1.3	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	33	01/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	34	02/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	35	06/02	NT	0.4	0.7	0.6	0.3	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	36	10/02	NT	0.2	0.4	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	37	01/03	NT	0.7	0.4	0.6	0.5	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	38	07/03	NT	0.4	0.4	0.2	0.5	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	39	12/03	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	40	02/04	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	41	06/04	NT	1.7	2.1	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	42	08/04	NT	1.2	2.6	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	43	11/04	NT	1.9	2.2	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	45	06/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	46	08/05	NT	1.5	1.7	NT	NT	NT	NT	1.6	NT	NT	0.6	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	47	11/05	NT	0.7	0.7	NT	NT	0.6	1.1	1.4	0.9	0.5	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	49	05/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	50	06/06	NT	0.6	0.7	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	51	08/06	NT	0.5	0.5	NT	NT	NT	NT	NT	0.8	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	52	10/06	NT	0.4	0.5	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	53	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	54	08/07	NT	0.6	NT	NT	NT	1.4	1.5	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NT	NT	NT	NT	NT	NT	NT
	55	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.4	0.4	1	0.6	0.7	1.1	1.1	0.6	1.6	1.5	1.6	NT	NT	NT	NT	NT	NT	NT
	56	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.7	0.8	0.5	2.3	1	0.9	0.3
	57	11/07	NT	4.1	4.6	NT	NT	2.4	2.5	1.2	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	58	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2D
WATER QUALITY SUMMARY TABLE - SOUTHERN SITE PORTION, UPPER UNIT

Site Name: Former Wastewater Treatment Facility
Site Town: Salem, New Hampshire

Groundwater Management Permit #: GWP-840533-5-002
(DES #: 840533)

	Contaminant:		**Oxidation Reduction Potential (ORP)**																																		
	Round	Sample	Groundwater RCMP = NA																																			
	Number	Date	GZ-1A	GZ-2	GZ-3A	GZ-101	GZ-102	GZ-403U	GZ-404U	GZ-405U	GZ-406U	GZ-407U	GZ-408	GZ-500	GZ-501	GZ-502	GZ-506U	GZ-508U	GZ-601U	GZ-602U	GZ-603U	GZ-604U	GZ-605U	GZ-606U	GZ-607U	GZ-608U	GZ-609U	GZ-610U	GZ-611U	GZ-612U	GZ-613U	GZ-614U	GZ-615U	GZ-616U	GZ-617U	GZ-618U
Pre-Injection Conditions	1	08/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	2	10/87	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	3	11/88	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	4	02/89	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	5	02/91	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	6	02-03/92	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	7	04/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	8	08/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	9	11/94	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	10	04/95	+210	+95	+145	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	11	08/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	12	12/95	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	13	05/96	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Start of Bioremediation Pilot Test	14	07/96	NT	+150	+90	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	15	11/96	NT	+150	+55	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	16	04/97	NT	+290	+280	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	17	07/97	NT	235	180	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	18	12/97	NT	-30	-35	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	19	04/98	NT	-10	-30	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	20	07/98	NT	-60	-40	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Start of Full-Scale Bioremediation	21	11/98	NT	-55	-55	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	22	3,5/99	NT	+25	-60	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	23	07/99	NT	-90	-35	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	24	12/99	NT	+150	10	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	25	06/00	NT	+235	-35	-45	-245	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	26	07/00	NT	NT	NT	-80	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	27	08/00	NT	-25	-45	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	28	12/00	NT	-15	-40	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	29	01/01	NT	NT	NT	NT	+40	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	30	06-07/01	NT	-25	-45	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	31	09-10/01	NT	-88	-135	-103	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	32	12/01	NT	+45	26	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	33	01/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	34	02/02	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	35	06/02	NT	-45	-32	-56	-98	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	36	10/02	NT	-210	-170	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	37	01/03	NT	-650	-500	-800	-75	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	38	07/03	NT	-140	-179	-312	-126	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	39	12/03	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	40	02/04	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	41	06/04	NT	-25	+10	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	42	08/04	NT	+110	+15	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	43	11/04	NT	-20	-25	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	44	01/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	45	06/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	46	08/05	NT	-20	-5	NT	NT	NT	NT	130	NT	NT	+20	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	47	11/05	NT	-60	-35	NT	NT	+75	+40	+70	-10	+170	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	48	12/05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	49	05/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	50	06/06	NT	+5	-40	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	51	08/06	NT	NT	-70	NT	NT	NT	NT	NT	NT	+205	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	52	10/06	NT	-25	-60	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	53	12/06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	54	08/07	NT	-30	NT	NT	NT	-45	60	-65	NT	NT	NT	NT	NT	NT	NT	NT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	55	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	-40	30	-5	<-80	-55	<-80	-35	-50	-60	-65	120	NT	NT	NT	NT	NT	NT	NT	NT
	56	08/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	30	-10	40	230	90	-5	OR	NT
	57	11/07	NT	-35	75	NT	NT	10	-60	<-80	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	58	12/07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTE: Please refer to last page for table notes.

TABLE 2
WATER QUALITY SUMMARY TABLE

Site Name: Former Wastewater Treatment Facility — Groundwater Management Permit #: GWP-840533-S-002
Site Town: Salem, New Hampshire — (DES #: 840533)

Notes:

1. Sample Round Nos. 1 through 4, 6, and subsequent rounds were carried out by GZA GeoEnvironmental, Inc. (GZA) or Eastern Analytical, Inc. (EAI) on the dates indicated. Sample Round No. 5 was carried out by the New Hampshire Department of Environmental Services (NHDES) on the date indicated. Please refer to the analytical laboratory reports for additional information.
2. Concentration is in milligrams per liter (mg/L), which is equivalent to parts per million (ppm). Oxidation-reduction potential (ORP) is in millivolts (mV).
3. "<" indicates that the respective parameter was not detected above the reported practical quantification limit (PQL).
4. "≤" indicates that the respective parameter was detected, but below the reported PQL. "ND" indicates that the respective parameter was not detected above the PQL. "OR" indicates that the respective parameter was of range of the meter.
5. For the Chemical Oxygen Demand (COD)/Total Organic Carbon (TOC) table, where values for both parameters are available for a given sampling round, the COD value is provided first, followed by the TOC value (e.g., 520/180).
6. This table considers only those parameters that were analyzed for and detected. Please refer to current and past analytical laboratory reports for the complete list of analytes.
7. "RCMP" refers to NHDES Risk Characterization and Management Policy groundwater quality standards. The designations GW-1 and GW-2 are from the Method 1 Groundwater Standards. The more stringent value for either GW-1 or GW-2 was used as the standard. "SWQR" indicates Surface Water Quality Regulations. The more stringent of the two regulations (RCMP or SWQR) was used for surface water samples. "NA" indicates not available for respective parameter. Values in **bold** reflect exceedances of standards, or that the concentration was at the respective standard.
8. "NT" indicates respective parameter was not tested during the respective sample round. For the case of GZ-10L during Sample Round No. 7 and subsequent rounds, the reason was the destruction of this monitoring well. GZA attempted, but was unable to repair and sample this well during the July 1994 round, and then established monitoring well GZ-2L as a replacement sampling location. "NI" indicates monitoring well not installed on respective date.
9. Please note that methyl *tert*-butyl ether (M*t*BE) was detected, but below the PQL limit in a groundwater sample collected from monitoring well GZ-1L during Sample Round No. 9 and in a sample collected from surface water sampling location SW-6 at a concentration of 0.0068 ppm during Sample Round No. 13. Note: The RCMP standard for M*t*BE is 0.013 ppm. 1,4-dichlorobenzene (1,4-DCB) and 1,2-dichlorobenzene (1,2-DCB) were detected at concentrations of 0.0021 and 0.0053 ppm, respectively, in monitoring well GZ-3A during Sample Round No. 11. Note: The RCMP standard for 1,4-DCB and 1,2-DCB is 0.075 and 0.6 ppm, respectively.
10. Dissolved oxygen and ORP analysis were performed in the field using parameter-specific electrodes.
11. Monitoring wells MW-1 through MW-8 were installed by Jacques Whitford Company, Inc. between January 14, 2002 and January 16, 2002.
12. Ethane, Ethene, 1,4-Dichlorobenzene and 1,2-Dichlorobenzene were detected at MW-1D during the June 2004 monitoring round at concentrations of 0.18 mg/L, 0.24 mg/L, 0.002 mg/L and 0.001 mg/L, respectively.
13. Chlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, and 1,2-Dichlorobenzene were detected at GZ-408 during the December monitoring round at concentrations of 0.0065 mg/L, 0.0051 mg/L, 0.023 mg/L, and 0.0025 mg/L respectively.
14. 1,2 Dichlorobenzene was detected in GZ-3A during the 8/7/2007 sampling round at a concentration of 0.0053 mg/L.
15. 1,1,2 Trichloroethene was detected during the 8/22/2007 sampling round in GZ-601U and GZ-606U at concentrations of 0.069 mg/L and 0.085 mg/L respectively.

From "Remedial Action Plan Addendum," prepared by GZA, dated August 20, 2015

TABLE 4
WATER QUALITY SUMMARY TABLE - SURFACE WATER
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Tetrachloroethene**				
Round Number	Sample Date	Surface Water WQCTS = 0.0008				
		SW-1	SW-7	SW-2	SW-6	SW-8
1	08/87	NT	NT	NT	NT	NT
2	10/87	NT	NT	NT	NT	NT
3	11/88	ND	NT	ND	NT	NT
4	02/89	NT	NT	ND	**0.003**	NT
5	02/91	NT	NT	<0.001	<0.005	NT
6	02-03/92	NT	NT	<0.001	<0.01	NT
7	04/94	<0.001	NT	<0.001	<0.001	NT
8	08/94	<0.001	NT	<0.001	Dry	NT
9	11/94	<0.001	NT	<0.001	<0.001	NT
10	04/95	<0.001	NT	<0.001	<0.001	NT
11	08/95	<0.001	NT	**0.0024**	Dry	NT
12	12/95	<0.001	NT	**0.0022**	<0.001	NT
13	05/96	<0.001	NT	<0.001	<0.001	NT
14	07/96	<0.001	NT	<0.001	<0.2	NT
15	11/96	<0.001	NT	<0.001	<0.005	NT
16	04/97	<0.001	NT	<0.001	<0.001	NT
Start of Bioremediation Pilot Test						
17	07/97	<0.001	NT	<0.001	Dry	NT
18	12/97	<0.001	NT	<0.001	<0.02	NT
19	04/98	<0.001	NT	<0.001	<0.001	NT
20	07/98	<0.001	NT	<0.001	Dry	NT
21	11/98	<0.001	NT	<0.001	<0.005	NT
22	3,5/99	<0.001	NT	<0.001	Dry	NT
23	07/99	<0.001	NT	<0.001	Dry	NT
24	12/99	<0.001	NT	<0.001	<0.05	NT
Start of Full-Scale Bioremediation						
25	06/00	<0.001	NT	<0.001	**0.016**	NT
26	07/00	NT	NT	NT	NT	NT
27	08/00	<0.001	NT	<0.001	Dry	NT
28	12/00	<0.001	NT	<0.001	<0.1	NT
29	01/01	NT	NT	NT	<0.1	NT
30	06-07/01	<0.001	NT	<0.001	Dry	NT
31	09-10/01	<0.001	NT	<0.001	<0.005	NT
32	12/01	<0.001	NT	<0.001	<0.01	NT
33	01/02	<0.001	NT	<0.001	NT	NT
34	02/02	NT	NT	NT	<0.005	NT
35	06/02	<0.001	NT	<0.001	<0.005	NT
36	10/02	<0.002	NT	<0.002	**0.004**	NT
37	01/03	NT	NT	NT	<0.01	NT
38	07/03	<0.002	NT	<0.002	<0.05	NT
39	12/03	<0.002	NT	<0.002	<0.01	NT
40	02/04	NT	NT	NT	NT	NT
41	06/04	<0.002	NT	<0.002	<0.01	NT
42	08/04	<0.002	NT	<0.002	<0.002	NT
43	11/04	<0.002	NT	<0.002	<0.02	NT
44	01/05	NT	NT	NT	NT	NT
45	06/05	<0.002	NT	<0.002	<0.01	NT
46	08/05	<0.002	NT	<0.002	NT	NT
47	11/05	<0.001	NT	<0.001	<0.005	NT
48	12/05	NT	NT	NT	NT	NT
49	05/06	NT	NT	NT	NT	NT
50	06/06	<0.001	NT	<0.001	<0.001	NT
51	08/06	<0.001	NT	<0.001	<0.001	NT
52	10/06	NT	NT	NT	NT	NT
53	12/06	<0.001	NT	<0.001	<0.0025	NT
54	01/07	NT	NT	NT	NT	NT
55	02/07	NT	NT	NT	NT	NT
56	05/07	NT	NT	NT	NT	NT
57	07/07	NT	NT	NT	NT	NT
58	08/07	<0.001	NT	<0.001	<0.05	NT
59	09/07	NT	NT	NT	NT	NT
60	11/07	<0.001	NT	<0.001	<0.025	NT
61	12/07	NT	NT	NT	NT	NT
62	08/08	<0.001	NT	<0.001	<0.025	NT
63	11/08	<0.001	NT	<0.001	<0.001	NT
64	09/09	<0.001	NT	<0.001	<0.050	NT
65	11/09	<0.001	NT	<0.001	<0.025	NT
66	08/10	<0.002	<0.002	<0.002	NT	<0.002
67	11/10	<0.002	<0.002	<0.002	<0.002	<0.002
68	08/11	<0.001	<0.001	<0.001	<0.001	<0.001
69	11-12/11	<0.001	<0.001	<0.001	<0.025	<0.001
70	06/12	<0.001	<0.001	<0.001	<0.05	<0.001
71	08/12	<0.001	<0.001	<0.001	NT	<0.001
72	11/12	<0.001	<0.001	<0.001	<0.001	<0.001
73	08/13	<0.001	<0.001	<0.001	NT	<0.001
74	11/13	<0.001	<0.001	<0.001	<0.001	<0.001
75	06/14	<0.001	<0.001	<0.001	<0.1	<0.001
76	08/14	<0.001	<0.001	<0.001	NT	<0.001
77	11/14	<0.001	<0.001	<0.001	<0.001	<0.001
78	06/15	<0.001	<0.001	<0.001	<0.001	<0.001

NOTE: Please refer to Table 5 for Notes.

TABLE 4
WATER QUALITY SUMMARY TABLE - SURFACE WATER
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Trichloroethene**				
Round Number	Sample Date	Surface Water WQCTS = 0.0027				
		SW-1	SW-7	SW-2	SW-6	SW-8
Start of Bioremediation Pilot Test						
17	07/97	<0.001	NT	**0.0026**	Dry	NT
18	12/97	**0.0052**	NT	**0.0055**	**0.021**	NT
19	04/98	**0.0061**	NT	<0.001	**0.005**	NT
20	07/98	<0.001	NT	**0.0014**	Dry	NT
21	11/98	**0.0031**	NT	**0.0031**	**0.044**	NT
22	3,5/99	<0.001	NT	**0.0011**	Dry	NT
23	07/99	<0.001	NT	<0.001	Dry	NT
24	12/99	0.0013	NT	**0.0012**	**0.19**	NT
Start of Full-Scale Bioremediation						
25	06/00	<0.001	NT	**0.0011**	**0.041**	NT
26	07/00	NT	NT	NT	NT	NT
27	08/00	<0.001	NT	<0.001	Dry	NT
28	12/00	**0.0014**	NT	**0.0013**	**0.84**	NT
29	01/01	NT	NT	NT	NT	NT
30	06-07/01	<0.001	NT	<0.001	Dry	NT
31	09-10/01	<0.001	NT	**0.0011**	**0.2**	NT
32	12/01	<0.001	NT	<0.001	**0.11**	NT
33	01/02	<0.001	NT	<0.001	NT	NT
34	02/02	NT	NT	NT	**0.1**	NT
35	06/02	<0.001	NT	<0.001	**0.22**	NT
36	10/02	<0.002	NT	<0.002	**0.3**	NT
37	01/03	NT	NT	NT	**0.37**	NT
38	07/03	<0.002	NT	<0.002	**0.63**	NT
39	12/03	<0.002	NT	<0.002	**0.24**	NT
40	02/04	NT	NT	NT	NT	NT
41	06/04	<0.002	NT	<0.002	**0.43**	NT
42	08/04	<0.002	NT	<0.002	**0.007**	NT
43	11/04	<0.002	NT	<0.002	<0.02	NT
44	01/05	NT	NT	NT	NT	NT
45	06/05	<0.002	NT	<0.002	**0.12**	NT
46	08/05	<0.002	NT	**0.014**	NT	NT
47	11/05	<0.001	NT	<0.001	<0.005	NT
48	12/05	NT	NT	NT	NT	NT
49	05/06	NT	NT	NT	NT	NT
50	06/06	<0.001	NT	<0.001	<0.001	NT
51	08/06	<0.001	NT	<0.001	<0.001	NT
52	10/06	NT	NT	NT	NT	NT
53	12/06	<0.001	NT	<0.001	**0.011**	NT
54	01/07	NT	NT	NT	NT	NT
55	02/07	NT	NT	NT	NT	NT
56	05/07	NT	NT	NT	NT	NT
57	07/07	NT	NT	NT	NT	NT
58	08/07	<0.001	NT	<0.001	<0.05	NT
59	09/07	NT	NT	NT	NT	NT
60	11/07	**0.0013**	NT	**0.0012**	<0.025	NT
61	12/07	NT	NT	NT	NT	NT
62	08/08	<0.001	NT	<0.001	<0.025	NT
63	11/08	<0.001	NT	<0.001	<0.001	NT
64	09/09	<0.001	NT	<0.001	<0.05	NT
65	11/09	<0.001	NT	<0.001	<0.025	NT
66	08/10	<0.002	<0.002	<0.002	NT	<0.002
67	11/10	<0.002	<0.002	<0.002	<0.002	<0.002
68	08/11	<0.001	<0.001	<0.001	<0.001	<0.001
69	11-12/11	<0.001	<0.001	<0.001	<0.025	<0.001
70	06/12	<0.001	<0.001	<0.001	<0.05	<0.001
71	08/12	<0.001	<0.001	<0.001	NT	<0.001
72	11/12	<0.001	<0.001	<0.001	<0.001	<0.001
73	08/13	<0.001	<0.001	<0.001	NT	<0.001
74	11/13	<0.001	<0.001	<0.001	<0.001	<0.001
75	06/14	<0.001	<0.001	<0.001	<0.1	<0.001
76	08/14	<0.001	<0.001	<0.001	NT	<0.001
77	11/14	<0.001	<0.001	<0.001	<0.001	<0.001
78	06/15	<0.001	<0.001	<0.001	<0.001	<0.001

NOTE: Please refer to Table 5 for Notes.

TABLE 4
WATER QUALITY SUMMARY TABLE - SURFACE WATER
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**1,1,1-Trichloroethane**				
Round Number	Sample Date	Surface Water WQCTS = 0.001				
		SW-1	SW-7	SW-2	SW-6	SW-8
Start of Bioremediation Pilot Test						
17	07/97	<0.001	NT	<0.001	Dry	NT
18	12/97	<0.001	NT	<0.001	**1.5**	NT
19	04/98	<0.001	NT	<0.001	**0.0028**	NT
20	07/98	<0.001	NT	<0.001	Dry	NT
21	11/98	<0.001	NT	<0.001	**2.4**	NT
22	3,5/99	<0.001	NT	<0.001	Dry	NT
23	07/99	<0.001	NT	<0.001	Dry	NT
24	12/99	<0.001	NT	<0.001	**0.1**	NT
Start of Full-Scale Bioremediation						
25	06/00	<0.001	NT	<0.001	<0.01	NT
26	07/00	NT	NT	NT	NT	NT
27	08/00	<0.001	NT	<0.001	Dry	NT
28	12/00	<0.001	NT	<0.001	**0.6**	NT
29	01/01	NT	NT	NT	NT	NT
30	06-07/01	<0.001	NT	<0.001	Dry	NT
31	09-10/01	<0.001	NT	<0.001	**0.032**	NT
32	12/01	<0.001	NT	<0.001	<0.01	NT
33	01/02	<0.001	NT	<0.001	NT	NT
34	02/02	NT	NT	NT	**0.025**	NT
35	06/02	<0.001	NT	<0.001	<0.005	NT
36	10/02	<0.002	NT	<0.002	**0.042**	NT
37	01/03	NT	NT	NT	**0.02**	NT
38	07/03	<0.002	NT	<0.002	<0.05	NT
39	12/03	<0.002	NT	<0.002	<0.01	NT
40	02/04	NT	NT	NT	NT	NT
41	06/04	<0.002	NT	<0.002	<0.01	NT
42	08/04	<0.002	NT	<0.002	**0.071**	NT
43	11/04	<0.002	NT	<0.002	<0.02	NT
44	01/05	NT	NT	NT	NT	NT
45	06/05	<0.002	NT	<0.002	<0.01	NT
46	08/05	<0.002	NT	<0.002	NT	NT
47	11/05	<0.001	NT	<0.001	**0.0099**	NT
48	12/05	NT	NT	NT	NT	NT
49	05/06	NT	NT	NT	NT	NT
50	06/06	<0.001	NT	<0.001	<0.001	NT
51	08/06	<0.001	NT	<0.001	<0.001	NT
52	10/06	NT	NT	NT	NT	NT
53	12/06	<0.001	NT	<0.001	<0.0025	NT
54	01/07	NT	NT	NT	NT	NT
55	02/07	NT	NT	NT	NT	NT
56	05/07	NT	NT	NT	NT	NT
57	07/07	NT	NT	NT	NT	NT
58	08/07	<0.001	NT	<0.001	<0.05	NT
59	09/07	NT	NT	NT	NT	NT
60	11/07	<0.001	NT	<0.001	**0.034**	NT
61	12/07	NT	NT	NT	NT	NT
62	08/08	<0.001	NT	<0.001	<0.025	NT
63	11/08	<0.001	NT	<0.001	<0.001	NT
64	09/09	<0.001	NT	<0.001	<0.05	NT
65	11/09	<0.001	NT	<0.001	<0.025	NT
66	08/10	<0.002	<0.002	<0.002	NT	<0.002
67	11/10	<0.002	<0.002	<0.002	<0.002	<0.002
68	08/11	<0.001	<0.001	<0.001	<0.001	<0.001
69	11-12/11	<0.001	<0.001	<0.001	<0.025	<0.001
70	06/12	<0.001	<0.001	<0.001	<0.05	<0.001
71	08/12	<0.001	<0.001	<0.001	NT	<0.001
72	11/12	<0.001	<0.001	<0.001	<0.001	<0.001
73	08/13	<0.001	<0.001	<0.001	NT	<0.001
74	11/13	<0.001	<0.001	<0.001	<0.001	<0.001
75	06/14	<0.001	<0.001	<0.001	<0.1	<0.001
76	08/14	<0.001	<0.001	<0.001	NT	<0.001
77	11/14	<0.001	<0.001	<0.001	<0.001	<0.001
78	06/15	<0.001	<0.001	<0.001	<0.001	<0.001

NOTE: Please refer to Table 5 for Notes.

TABLE 4
WATER QUALITY SUMMARY TABLE - SURFACE WATER
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Total 1,2-Dichloroethenes**				
Round Number	Sample Date	Surface Water WQCTS = 0.7				
		SW-1	SW-7	SW-2	SW-6	SW-8
Start of Bioremediation Pilot Test						
17	07/97	<0.003	NT	**0.03**	Dry	NT
18	12/97	**0.0036**	NT	**0.0095**	**25.1**	NT
19	04/98	**0.0063**	NT	<0.003	**0.2376**	NT
20	07/98	<0.003	NT	**0.0088**	Dry	NT
21	11/98	**0.0014**	NT	**0.0045**	**7.9**	NT
22	3,5/99	<0.002	NT	**0.0052**	Dry	NT
23	07/99	<0.003	NT	**0.0013**	Dry	NT
24	12/99	**0.0012**	NT	**0.0012**	**2.866**	NT
Start of Full-Scale Bioremediation						
25	06/00	**0.0015**	NT	**0.0052**	**0.3**	NT
26	07/00	NT	NT	NT	NT	NT
27	08/00	<0.002	NT	**0.0068**	Dry	NT
28	12/00	<0.002	NT	<0.002	**12**	NT
29	01/01	NT	NT	NT	NT	NT
30	06-07/01	<0.002	NT	**0.0023**	Dry	NT
31	09-10/01	<0.002	NT	**0.028**	**2.5079**	NT
32	12/01	<0.002	NT	<0.002	**2**	NT
33	01/02	<0.002	NT	<0.002	NT	NT
34	02/02	NT	NT	NT	**2.8**	NT
35	06/02	<0.002	NT	<0.002	**1.6**	NT
36	10/02	<0.004	NT	0.006	**3.121**	NT
37	01/03	NT	NT	NT	**3.12**	NT
38	07/03	<0.004	NT	<0.004	**4.9**	NT
39	12/03	<0.004	NT	<0.004	**2.22**	NT
40	02/04	NT	NT	NT	NT	NT
41	06/04	<0.002	NT	**0.005**	**3.73**	NT
42	08/04	<0.002	NT	**0.003**	**1.948**	NT
43	11/04	<0.002	NT	**0.005**	**0.91**	NT
44	01/05	NT	NT	NT	NT	NT
45	06/05	<0.002	NT	**0.002**	**3.03**	NT
46	08/05	<0.002	NT	**0.003**	NT	NT
47	11/05	<0.001	NT	<0.001	**0.356**	NT
48	12/05	NT	NT	NT	NT	NT
49	05/06	NT	NT	NT	NT	NT
50	06/06	<0.002	NT	<0.002	<0.002	NT
51	08/06	<0.001	NT	**0.004**	**0.018**	NT
52	10/06	NT	NT	NT	NT	NT
53	12/06	<0.002	NT	<0.002	**2.112**	NT
54	01/07	NT	NT	NT	NT	NT
55	02/07	NT	NT	NT	NT	NT
56	05/07	NT	NT	NT	NT	NT
57	07/07	NT	NT	NT	NT	NT
58	08/07	<0.002	NT	<0.002	**2.1**	NT
59	09/07	NT	NT	NT	NT	NT
60	11/07	<0.002	NT	**0.0022**	**1.76**	NT
61	12/07	NT	NT	NT	NT	NT
62	08/08	<0.002	NT	<0.002	**0.051**	NT
63	11/08	<0.002	NT	**0.0012**	**2.836**	NT
64	09/09	<0.002	NT	**0.0012**	**8**	NT
65	11/09	<0.002	NT	<0.001	**0.82**	NT
66	08/10	<0.002	**0.005**	**0.004**	NT	**0.007**
67	11/10	<0.002	<0.002	<0.002	**0.022**	<0.002
68	08/11	<0.001	<0.001	<0.001	**0.014**	<0.001
69	11-12/11	<0.001	<0.001	<0.001	**3.0**	<0.001
70	06/12	<0.001	<0.001	<0.001	**4.9**	<0.001
71	08/12	<0.001	<0.001	<0.001	NT	<0.001
72	11/12	<0.001	<0.001	<0.001	**0.018**	<0.001

Laboratory results for monitoring rounds after 2012 reported as separate isomers (cis and trans) on the following pages

NOTE: Please refer to Table 5 for Notes.

TABLE 4
WATER QUALITY SUMMARY TABLE - SURFACE WATER
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**cis-1,2-Dichloroethene**				
Round Number	Sample Date	Surface Water WQCTS = 0.7				
		SW-1	SW-7	SW-2	SW-6	SW-8
Laboratory results for monitoring rounds prior to 2013 reported as Total 1,2-dichloroethenes on page 4						
73	08/13	<0.001	<0.001	<0.001	NT	<0.001
74	11/13	<0.001	<0.001	<0.001	**0.0035**	<0.001
75	06/14	<0.001	**0.001**	**0.001**	**4.6**	**0.001**
76	08/14	<0.001	<0.001	<0.001	NT	<0.001
77	11/14	<0.001	**0.001**	**0.001**	**0.06**	**0.001**
78	06/15	<0.001	**0.001**	<0.001	**0.2**	<0.001

NOTE: Please refer to Table 5 for Notes.

TABLE 4
WATER QUALITY SUMMARY TABLE - SURFACE WATER
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**trans-1,2-Dichloroethene**				
Round Number	Sample Date	Surface Water WQCTS = 0.7				
		SW-1	SW-7	SW-2	SW-6	SW-8
Laboratory results for monitoring rounds prior to 2013 reported as Total 1,2-dichloroethenes on page 4						
73	08/13	<0.001	<0.001	<0.001	NT	<0.001
74	11/13	<0.001	<0.001	<0.001	<0.001	<0.001
75	06/14	<0.001	<0.001	<0.001	<0.1	<0.001
76	08/14	<0.001	<0.001	<0.001	NT	<0.001
77	11/14	<0.001	<0.001	<0.001	**0.006**	<0.001
78	06/15	<0.001	<0.001	<0.001	**0.002**	<0.001

NOTE: Please refer to Table 5 for Notes.

TABLE 4
WATER QUALITY SUMMARY TABLE - SURFACE WATER
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**1,2-Dichloroethane**				
Round Number	Sample Date	Surface Water WQCTS = 0.00038				
		SW-1	SW-7	SW-2	SW-6	SW-8
Start of Bioremediation Pilot Test						
17	07/97	<0.001	NT	<0.001	Dry	NT
18	12/97	<0.001	NT	<0.001	<0.02	NT
19	04/98	<0.001	NT	<0.001	<0.001	NT
20	07/98	<0.001	NT	<0.001	Dry	NT
21	11/98	<0.001	NT	<0.001	<0.005	NT
22	3,5/99	<0.001	NT	<0.001	Dry	NT
23	07/99	<0.001	NT	<0.001	Dry	NT
24	12/99	<0.001	NT	<0.001	<0.05	NT
Start of Full-Scale Bioremediation						
25	06/00	<0.001	NT	<0.001	<0.01	NT
26	07/00	NT	NT	NT	NT	NT
27	08/00	<0.001	NT	<0.001	Dry	NT
28	12/00	<0.001	NT	<0.001	<0.1	NT
29	01/01	NT	NT	NT	NT	NT
30	06-07/01	<0.001	NT	<0.001	Dry	NT
31	09-10/01	<0.001	NT	<0.001	<0.005	NT
32	12/01	<0.001	NT	<0.001	<0.01	NT
33	01/02	<0.001	NT	<0.001	NT	NT
34	02/02	NT	NT	NT	<0.005	NT
35	06/02	<0.001	NT	<0.001	<0.005	NT
36	10/02	<0.002	NT	<0.002	<0.002	NT
37	01/03	NT	NT	NT	<0.01	NT
38	07/03	<0.002	NT	<0.002	<0.01	NT
39	12/03	<0.002	NT	<0.002	<0.01	NT
40	02/04	NT	NT	NT	NT	NT
41	06/04	<0.002	NT	<0.002	<0.010	NT
42	08/04	<0.002	NT	<0.002	<0.002	NT
43	11/04	<0.002	NT	<0.002	<0.02	NT
44	01/05	NT	NT	NT	NT	NT
45	06/05	<0.002	NT	<0.002	<0.01	NT
46	08/05	<0.002	NT	<0.002	NT	NT
47	11/05	<0.001	NT	<0.001	<0.005	NT
48	12/05	NT	NT	NT	NT	NT
49	05/06	NT	NT	NT	NT	NT
50	06/06	<0.001	NT	<0.001	<0.001	NT
51	08/06	<0.001	NT	<0.001	<0.001	NT
52	10/06	NT	NT	NT	NT	NT
53	12/06	<0.001	NT	<0.001	<0.0025	NT
54	01/07	NT	NT	NT	NT	NT
55	02/07	NT	NT	NT	NT	NT
56	05/07	NT	NT	NT	NT	NT
57	07/07	NT	NT	NT	NT	NT
58	08/07	<0.001	NT	<0.01	<0.05	NT
59	09/07	NT	NT	NT	NT	NT
60	11/07	<0.001	NT	<0.001	<0.025	NT
61	12/07	NT	NT	NT	NT	NT
62	08/08	<0.001	NT	<0.001	<0.0025	NT
63	11/08	<0.001	NT	<0.001	<0.001	NT
64	09/09	<0.001	NT	<0.001	<0.050	NT
65	11/09	<0.001	NT	<0.001	<0.025	NT
66	08/10	<0.002	<0.002	<0.002	NT	<0.002
67	11/10	<0.002	<0.002	<0.002	<0.002	<0.002
68	08/11	<0.001	<0.001	<0.001	<0.001	<0.001
69	11-12/11	<0.001	<0.001	<0.001	<0.025	<0.001
70	06/12	<0.001	<0.001	<0.001	<0.05	<0.001
71	08/12	<0.001	<0.001	<0.001	NT	<0.001
72	11/12	<0.001	<0.001	<0.001	<0.001	<0.001
73	08/13	<0.001	<0.001	<0.001	NT	<0.001
74	11/13	<0.001	<0.001	<0.001	<0.001	<0.001
75	06/14	<0.001	<0.001	<0.001	<0.1	<0.001
76	08/14	<0.001	<0.001	<0.001	NT	<0.001
77	11/14	<0.001	<0.001	<0.001	<0.001	<0.001
78	06/15	<0.001	<0.001	<0.001	<0.001	<0.001

NOTE: Please refer to Table 5 for Notes.

TABLE 4
WATER QUALITY SUMMARY TABLE - SURFACE WATER
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**1,1-Dichloroethene**				
Round Number	Sample Date	Surface Water WQCTS = 0.000057				
		SW-1	SW-7	SW-2	SW-6	SW-8
Start of Bioremediation Pilot Test						
17	07/97	<0.001	NT	<0.001	Dry	NT
18	12/97	<0.001	NT	<0.001	**0.021**	NT
19	04/98	<0.001	NT	<0.001	<0.001	NT
20	07/98	<0.001	NT	<0.001	Dry	NT
21	11/98	<0.001	NT	<0.001	**0.12**	NT
22	3,5/99	<0.001	NT	<0.001	Dry	NT
23	07/99	<0.001	NT	<0.001	Dry	NT
24	12/99	<0.001	NT	<0.001	<0.05	NT
Start of Full-Scale Bioremediation						
25	06/00	<0.001	NT	<0.001	<0.01	NT
26	07/00	NT	NT	NT	NT	NT
27	08/00	<0.001	NT	<0.001	Dry	NT
28	12/00	<0.001	NT	<0.001	<0.1	NT
29	01/01	NT	NT	NT	NT	NT
30	06-07/01	<0.001	NT	<0.001	Dry	NT
31	09-10/01	<0.001	NT	<0.001	<0.005	NT
32	12/01	<0.001	NT	<0.001	<0.01	NT
33	01/02	<0.001	NT	<0.001	NT	NT
34	02/02	NT	NT	NT	<0.005	NT
35	06/02	<0.001	NT	<0.001	<0.005	NT
36	10/02	<0.001	NT	<0.001	**0.016**	NT
37	01/03	NT	NT	NT	**0.02**	NT
38	07/03	<0.001	NT	<0.001	<0.05	NT
39	12/03	<0.001	NT	<0.001	**0.01**	NT
40	02/04	NT	NT	NT	NT	NT
41	06/04	<0.001	NT	<0.001	**0.03**	NT
42	08/04	<0.001	NT	<0.001	**0.003**	NT
43	11/04	<0.001	NT	<0.001	<0.02	NT
44	01/05	NT	NT	NT	NT	NT
45	06/05	<0.001	NT	<0.001	**0.02**	NT
46	08/05	<0.001	NT	<0.001	NT	NT
47	11/05	<0.001	NT	NT	<0.005	NT
48	12/05	NT	NT	NT	NT	NT
49	05/06	NT	NT	NT	NT	NT
50	06/06	<0.001	NT	<0.001	<0.001	NT
51	08/06	<0.001	NT	<0.001	<0.001	NT
52	10/06	NT	NT	NT	NT	NT
53	12/06	<0.001	NT	NT	<0.001	NT
54	01/07	NT	NT	NT	NT	NT
55	02/07	NT	NT	NT	NT	NT
56	05/07	NT	NT	NT	NT	NT
57	07/07	NT	NT	NT	NT	NT
58	08/07	<0.001	NT	<0.001	<0.05	NT
59	09/07	NT	NT	NT	NT	NT
60	11/07	<0.001	NT	<0.001	<0.025	NT
61	12/07	NT	NT	NT	NT	NT
62	08/08	<0.001	NT	<0.001	<0.025	NT
63	11/08	<0.001	NT	<0.001	**0.01**	NT
64	09/09	<0.001	NT	<0.001	<0.05	NT
65	11/09	<0.001	NT	<0.001	<0.025	NT
66	08/10	<0.001	<0.001	<0.001	NT	<0.001
67	11/10	<0.001	<0.001	<0.001	<0.001	<0.001
68	08/11	<0.001	<0.001	<0.001	**0.0012**	<0.001
69	11-12/11	<0.001	<0.001	<0.001	<0.025	<0.001
70	06/12	<0.001	<0.001	<0.001	<0.05	<0.001
71	08/12	<0.001	<0.001	<0.001	NT	<0.001
72	11/12	<0.001	<0.001	<0.001	<0.001	<0.001
73	08/13	<0.001	<0.001	<0.001	NT	<0.001
74	11/13	<0.001	<0.001	<0.001	<0.001	<0.001
75	06/14	<0.001	<0.001	<0.001	<0.1	<0.001
76	08/14	<0.001	<0.001	<0.001	NT	<0.001
77	11/14	<0.001	<0.001	<0.001	<0.001	<0.001
78	06/15	<0.001	<0.001	<0.001	<0.001	<0.001

NOTE: Please refer to Table 5 for Notes.

TABLE 4
WATER QUALITY SUMMARY TABLE - SURFACE WATER
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**1,1-Dichloroethane**				
Round Number	Sample Date	Surface Water WQCTS = NA				
		SW-1	SW-7	SW-2	SW-6	SW-8
Start of Bioremediation Pilot Test						
17	07/97	<0.001	NT	<0.001	Dry	NT
18	12/97	<0.001	NT	<0.001	**0.22**	NT
19	04/98	<0.001	NT	<0.001	**0.0056**	NT
20	07/98	<0.001	NT	<0.001	Dry	NT
21	11/98	<0.001	NT	<0.001	**0.51**	NT
22	3,5/99	<0.001	NT	<0.001	Dry	NT
23	07/99	<0.001	NT	<0.001	Dry	NT
24	12/99	<0.001	NT	<0.001	<0.05	NT
Start of Full-Scale Bioremediation						
25	06/00	<0.001	NT	<0.001	<0.01	NT
26	07/00	NT	NT	NT	NT	NT
27	08/00	<0.001	NT	<0.001	Dry	NT
28	12/00	<0.001	NT	<0.001	<0.1	NT
29	01/01	NT	NT	NT	NT	NT
30	06-07/01	<0.001	NT	<0.001	Dry	NT
31	09-10/01	<0.001	NT	<0.001	**0.007**	NT
32	12/01	<0.001	NT	<0.001	**0.01**	NT
33	01/02	<0.001	NT	<0.001	NT	NT
34	02/02	NT	NT	NT	**0.022**	NT
35	06/02	<0.001	NT	<0.001	**0.0069**	NT
36	10/02	<0.002	NT	<0.002	**0.03**	NT
37	01/03	NT	NT	NT	**0.03**	NT
38	07/03	<0.002	NT	<0.002	<0.05	NT
39	12/03	<0.002	NT	<0.002	**0.03**	NT
40	02/04	NT	NT	NT	NT	NT
41	06/04	<0.002	NT	<0.002	**0.03**	NT
42	08/04	<0.002	NT	<0.002	**0.036**	NT
43	11/04	<0.002	NT	<0.002	**0.13**	NT
44	01/05	NT	NT	NT	NT	NT
45	06/05	<0.002	NT	<0.002	**0.03**	NT
46	08/05	<0.002	NT	<0.002	NT	NT
47	11/05	<0.001	NT	<0.001	**0.067**	NT
48	12/05	NT	NT	NT	NT	NT
49	05/06	NT	NT	NT	NT	NT
50	06/06	<0.001	NT	<0.001	<0.001	NT
51	08/06	<0.001	NT	<0.001	**0.13**	NT
52	10/06	NT	NT	NT	NT	NT
53	12/06	<0.001	NT	<0.001	**0.058**	NT
54	01/07	NT	NT	NT	NT	NT
55	02/07	NT	NT	NT	NT	NT
56	05/07	NT	NT	NT	NT	NT
57	07/07	NT	NT	NT	NT	NT
58	08/07	<0.001	NT	<0.001	<0.05	NT
59	09/07	NT	NT	NT	NT	NT
60	11/07	<0.001	NT	<0.001	**0.069**	NT
61	12/07	NT	NT	NT	NT	NT
62	08/08	<0.001	NT	<0.001	<0.025	NT
63	11/08	<0.001	NT	<0.001	**0.074**	NT
64	09/09	<0.001	NT	<0.001	**0.064**	NT
65	11/09	<0.001	NT	<0.001	**0.095**	NT
66	08/10	<0.002	<0.002	<0.002	NT	<0.002
67	11/10	<0.002	<0.002	<0.002	<0.002	<0.002
68	08/11	<0.001	<0.001	<0.001	<0.001	<0.001
69	11-12/11	<0.001	<0.001	<0.001	**0.12**	<0.001
70	06/12	<0.001	<0.001	<0.001	**0.104**	<0.001
71	08/12	<0.001	<0.001	<0.001	NT	<0.001
72	11/12	<0.001	<0.001	<0.001	**0.001**	<0.001
73	08/13	<0.001	<0.001	<0.001	NT	<0.001
74	11/13	<0.001	<0.001	<0.001	<0.001	<0.001
75	06/14	<0.001	<0.001	<0.001	**0.2**	<0.001
76	08/14	<0.001	<0.001	<0.001	NT	<0.001
77	11/14	<0.001	<0.001	<0.001	**0.005**	<0.001
78	06/15	<0.001	<0.001	<0.001	**0.03**	<0.001

NOTE: Please refer to Table 5 for Notes.

TABLE 4
WATER QUALITY SUMMARY TABLE - SURFACE WATER
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Vinyl Chloride**				
Round Number	Sample Date	Surface Water WQCTS = 0.002				
		SW-1	SW-7	SW-2	SW-6	SW-8
Start of Bioremediation Pilot Test						
17	07/97	<0.001	NT	<0.001	Dry	NT
18	12/97	<0.001	NT	<0.001	**0.12**	NT
19	04/98	<0.001	NT	<0.001	**0.014**	NT
20	07/98	<0.001	NT	<0.001	Dry	NT
21	11/98	<0.001	NT	<0.001	**0.38**	NT
22	3,5/99	<0.001	NT	<0.001	Dry	NT
23	07/99	<0.001	NT	<0.001	Dry	NT
24	12/99	<0.001	NT	<0.001	<0.05	NT
Start of Full-Scale Bioremediation						
25	06/00	<0.001	NT	<0.001	<0.01	NT
26	07/00	NT	NT	NT	NT	NT
27	08/00	<0.001	NT	**0.0023**	Dry	NT
28	12/00	<0.01	NT	<0.01	<1.0	NT
29	01/01	NT	NT	NT	NT	NT
30	06-07/01	<0.001	NT	<0.001	Dry	NT
31	09-10/01	<0.001	NT	**0.0029**	**0.039**	NT
32	12/01	<0.001	NT	<0.001	<0.01	NT
33	01/02	<0.001	NT	<0.001	NT	NT
34	02/02	NT	NT	NT	**0.01**	NT
35	06/02	<0.001	NT	<0.001	<0.005	NT
36	10/02	<0.002	NT	**0.002**	**0.053**	NT
37	01/03	NT	NT	NT	**0.1**	NT
38	07/03	<0.002	NT	<0.002	<0.3	NT
39	12/03	<0.002	NT	<0.002	**0.07**	NT
40	02/04	NT	NT	NT	NT	NT
41	06/04	<0.002	NT	<0.002	**0.24**	NT
42	08/04	<0.002	NT	<0.002	**0.06**	NT
43	11/04	<0.002	NT	<0.002	**0.69**	NT
44	01/05	NT	NT	NT	NT	NT
45	06/05	<0.002	NT	<0.002	**0.28**	NT
46	08/05	<0.002	NT	<0.002	NT	NT
47	11/05	<0.001	NT	<0.001	**0.27**	NT
48	12/05	NT	NT	NT	NT	NT
49	05/06	NT	NT	NT	NT	NT
50	06/06	<0.001	NT	<0.001	<0.001	NT
51	08/06	<0.001	NT	<0.001	**0.11**	NT
52	10/06	NT	NT	NT	NT	NT
53	12/06	<0.001	NT	<0.001	**0.77**	NT
54	01/07	NT	NT	NT	NT	NT
55	02/07	NT	NT	NT	NT	NT
56	05/07	NT	NT	NT	NT	NT
57	07/07	NT	NT	NT	NT	NT
58	08/07	<0.001	NT	<0.001	**0.23**	NT
59	09/07	NT	NT	NT	NT	NT
60	11/07	<0.001	NT	<0.001	**0.15**	NT
61	12/07	NT	NT	NT	NT	NT
62	08/08	<0.001	NT	<0.001	<0.025	NT
63	11/08	<0.001	NT	<0.001	**1.1**	NT
64	09/09	<0.001	NT	<0.001	**8**	NT
65	11/09	<0.001	NT	<0.001	**0.9**	NT
66	08/10	<0.002	<0.002	<0.002	NT	<0.002
67	11/10	<0.002	<0.002	<0.002	**0.035**	<0.002
68	08/11	<0.001	<0.001	<0.001	<0.001	<0.001
69	11-12/11	<0.001	<0.001	<0.001	**0.96**	<0.001
70	06/12	<0.001	<0.001	<0.001	**1.08**	<0.001
71	08/12	<0.001	<0.001	<0.001	NT	<0.001
72	11/12	<0.001	<0.001	<0.001	**0.0022**	<0.001
73	08/13	<0.001	<0.001	<0.001	NT	<0.001
74	11/13	<0.001	<0.001	<0.001	<0.001	<0.001
75	06/14	<0.001	<0.001	<0.001	**2.3**	<0.001
76	08/14	<0.001	<0.001	<0.001	NT	<0.001
77	11/14	<0.001	<0.001	<0.001	<0.001	<0.001
78	06/15	<0.001	<0.001	<0.001	**0.1**	<0.001

NOTE: Please refer to Table 5 for Notes.

TABLE 4
WATER QUALITY SUMMARY TABLE - SURFACE WATER
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Methylene Chloride (Dichloromethane)**				
Round Number	Sample Date	Surface Water WQCTS = 0.0047				
		SW-1	SW-7	SW-2	SW-6	SW-8
Start of Bioremediation Pilot Test						
17	07/97	<0.001	NT	<0.001	Dry	NT
18	12/97	<0.001	NT	<0.001	<0.02	NT
19	04/98	<0.001	NT	<0.001	<0.001	NT
20	07/98	<0.001	NT	<0.001	Dry	NT
21	11/98	<0.001	NT	<0.001	<0.005	NT
22	3,5/99	<0.001	NT	<0.001	Dry	NT
23	07/99	<0.001	NT	<0.001	Dry	NT
24	12/99	<0.001	NT	<0.001	<0.05	NT
Start of Full-Scale Bioremediation						
25	06/00	<0.001	NT	<0.001	<0.01	NT
26	07/00	NT	NT	NT	NT	NT
27	08/00	<0.001	NT	<0.001	Dry	NT
28	12/00	<0.01	NT	<0.01	<1.0	NT
29	01/01	NT	NT	NT	NT	NT
30	06-07/01	<0.001	NT	<0.001	Dry	NT
31	09-10/01	<0.001	NT	<0.001	<0.005	NT
32	12/01	<0.001	NT	<0.001	<0.01	NT
33	01/02	<0.004	NT	<0.004	NT	NT
34	02/02	NT	NT	NT	<0.005	NT
35	06/02	<0.001	NT	<0.001	<0.005	NT
36	10/02	<0.005	NT	<0.002	<0.005	NT
37	01/03	NT	NT	NT	<0.05	NT
38	07/03	<0.005	NT	<0.005	<0.3	NT
39	12/03	<0.005	NT	<0.005	<0.05	NT
40	02/04	NT	NT	NT	NT	NT
41	06/04	<0.005	NT	<0.005	<0.050	NT
42	08/04	<0.005	NT	<0.005	<0.005	NT
43	11/04	<0.005	NT	<0.005	<0.1	NT
44	01/05	NT	NT	NT	NT	NT
45	06/05	<0.005	NT	<0.005	<0.05	NT
46	08/05	<0.005	NT	<0.005	NT	NT
47	11/05	<0.001	NT	<0.001	<0.005	NT
48	12/05	NT	NT	NT	NT	NT
49	05/06	NT	NT	NT	NT	NT
50	06/06	<0.001	NT	<0.001	<0.002	NT
51	08/06	<0.001	NT	<0.001	<0.001	NT
52	10/06	NT	NT	NT	NT	NT
53	12/06	<0.001	NT	<0.001	<0.0025	NT
54	01/07	NT	NT	NT	NT	NT
55	02/07	NT	NT	NT	NT	NT
56	05/07	NT	NT	NT	NT	NT
57	07/07	NT	NT	NT	NT	NT
58	08/07	<0.001	NT	<0.001	<0.05	NT
59	09/07	NT	NT	NT	NT	NT
60	11/07	<0.002	NT	<0.002	<0.050	NT
61	12/07	NT	NT	NT	NT	NT
62	08/08	<0.002	NT	<0.002	<0.050	NT
63	11/08	<0.002	NT	<0.002	<0.002	NT
64	09/09	<0.001	NT	<0.001	<0.100	NT
65	11/09	<0.002	NT	<0.001	<0.050	NT
66	08/10	<0.005	<0.005	<0.005	NT	<0.005
67	11/10	<0.005	<0.005	<0.005	<0.005	<0.005
68	08/11	<0.002	<0.002	<0.002	<0.002	<0.002
69	11-12/11	<0.002	<0.002	<0.002	<0.050	<0.002
70	06/12	<0.002	<0.002	<0.002	<0.1	<0.002
71	08/12	<0.004	<0.004	<0.004	NT	<0.004
72	11/12	<0.004	<0.004	<0.004	<0.004	<0.004
73	08/13	<0.004	<0.004	<0.004	NT	<0.004
74	11/13	<0.004	<0.004	<0.004	<0.004	<0.004
75	06/14	<0.004	<0.004	<0.004	<0.4	<0.004
76	08/14	<0.004	<0.004	<0.004	NT	<0.004
77	11/14	<0.004	<0.004	<0.004	<0.004	<0.004
78	06/15	<0.004	<0.004	<0.004	<0.004	<0.004

NOTE: Please refer to Table 5 for Notes.

TABLE 4
WATER QUALITY SUMMARY TABLE - SURFACE WATER
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Chloroform (Trichloromethane**				
Round Number	Sample Date	Surface Water WQCTS = 0.0057				
		SW-1	SW-7	SW-2	SW-6	SW-8
Start of Bioremediation Pilot Test						
17	07/97	<0.001	NT	<0.001	Dry	NT
18	12/97	<0.001	NT	<0.001	<0.02	NT
19	04/98	<0.001	NT	<0.001	<0.001	NT
20	07/98	<0.001	NT	<0.001	Dry	NT
21	11/98	<0.001	NT	<0.001	<0.005	NT
22	3,5/99	<0.001	NT	<0.001	Dry	NT
23	07/99	<0.001	NT	<0.001	Dry	NT
24	12/99	<0.001	NT	<0.001	<0.05	NT
Start of Full-Scale Bioremediation						
25	06/00	<0.001	NT	<0.001	<0.01	NT
26	07/00	NT	NT	NT	NT	NT
27	08/00	<0.001	NT	<0.001	Dry	NT
28	12/00	<0.001	NT	<0.001	<0.1	NT
29	01/01	NT	NT	NT	NT	NT
30	06-07/01	<0.001	NT	<0.001	Dry	NT
31	09-10/01	<0.001	NT	<0.001	<0.005	NT
32	12/01	<0.001	NT	<0.001	<0.01	NT
33	01/02	<0.001	NT	<0.001	NT	NT
34	02/02	NT	NT	NT	<0.005	NT
35	06/02	<0.001	NT	<0.001	<0.005	NT
36	10/02	<0.002	NT	<0.002	<0.002	NT
37	01/03	NT	NT	NT	<0.01	NT
38	07/03	<0.002	NT	<0.002	<0.05	NT
39	12/03	<0.002	NT	<0.002	<0.01	NT
40	02/04	NT	NT	NT	NT	NT
41	06/04	<0.002	NT	<0.002	<0.01	NT
42	08/04	<0.002	NT	<0.002	<0.002	NT
43	11/04	<0.002	NT	<0.002	<0.02	NT
44	01/05	NT	NT	NT	NT	NT
45	06/05	NT	NT	NT	NT	NT
46	08/05	NT	NT	NT	NT	NT
47	11/05	NT	NT	NT	NT	NT
48	12/05	NT	NT	NT	NT	NT
49	05/06	NT	NT	NT	NT	NT
50	06/06	NT	NT	NT	NT	NT
51	08/06	NT	NT	NT	NT	NT
52	10/06	NT	NT	NT	NT	NT
53	12/06	NT	NT	NT	NT	NT
54	01/07	NT	NT	NT	NT	NT
55	02/07	NT	NT	NT	NT	NT
56	05/07	NT	NT	NT	NT	NT
57	07/07	NT	NT	NT	NT	NT
58	08/07	NT	NT	NT	NT	NT
59	09/07	NT	NT	NT	NT	NT
60	11/07	NT	NT	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT
62	08/08	<0.001	NT	<0.001	<0.025	NT
63	11/08	<0.001	NT	<0.001	<0.001	NT
64	09/09	<0.001	NT	<0.001	<0.05	NT
65	11/09	<0.001	NT	<0.001	<0.025	NT
66	08/10	<0.002	<0.002	<0.002	NT	<0.002
67	11/10	<0.002	<0.002	<0.002	<0.002	<0.002
68	08/11	<0.001	<0.001	<0.001	<0.001	<0.001
69	11-12/11	<0.001	<0.001	<0.001	<0.025	<0.001
70	06/12	<0.001	<0.001	<0.001	<0.05	<0.001
71	08/12	<0.001	<0.001	<0.001	NT	<0.001
72	11/12	<0.001	<0.001	<0.001	<0.001	<0.001
73	08/13	<0.001	<0.001	<0.001	NT	<0.001
74	11/13	<0.001	<0.001	<0.001	<0.001	<0.001
75	06/14	<0.001	<0.001	<0.001	<0.1	<0.001
76	08/14	<0.001	<0.001	<0.001	NT	<0.001
77	11/14	<0.001	<0.001	<0.001	<0.001	<0.001
78	06/15	<0.001	<0.001	<0.001	<0.001	<0.001

NOTE: Please refer to Table 5 for Notes.

TABLE 4
WATER QUALITY SUMMARY TABLE - SURFACE WATER
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Chloroethane**				
Round Number	Sample Date	Surface Water WQCTS = NA				
		SW-1	SW-7	SW-2	SW-6	SW-8
Start of Bioremediation Pilot Test						
17	07/97	<0.001	NT	<0.001	Dry	NT
18	12/97	<0.001	NT	<0.001	<0.02	NT
19	04/98	<0.001	NT	<0.001	<0.001	NT
20	07/98	<0.001	NT	<0.001	Dry	NT
21	11/98	<0.001	NT	<0.001	<0.005	NT
22	3,5/99	<0.001	NT	<0.001	Dry	NT
23	07/99	<0.001	NT	<0.001	Dry	NT
24	12/99	<0.001	NT	<0.001	<0.05	NT
Start of Full-Scale Bioremediation						
25	06/00	<0.001	NT	<0.001	<0.01	NT
26	07/00	NT	NT	NT	NT	NT
27	08/00	<0.001	NT	<0.001	Dry	NT
28	12/00	<0.01	NT	<0.01	<1.0	NT
29	01/01	NT	NT	NT	NT	NT
30	06-07/01	<0.001	NT	<0.001	Dry	NT
31	09-10/01	<0.001	NT	<0.001	<0.005	NT
32	12/01	<0.001	NT	<0.001	<0.01	NT
33	01/02	<0.002	NT	<0.002	NT	NT
34	02/02	NT	NT	NT	<0.005	NT
35	06/02	<0.001	NT	<0.001	<0.005	NT
36	10/02	<0.002	NT	<0.005	<0.005	NT
37	01/03	NT	NT	NT	<0.05	NT
38	07/03	<0.005	NT	<0.005	<0.3	NT
39	12/03	<0.005	NT	<0.005	<0.05	NT
40	02/04	NT	NT	NT	NT	NT
41	06/04	<0.005	NT	<0.005	<0.05	NT
42	08/04	<0.005	NT	<0.005	<0.005	NT
43	11/04	<0.005	NT	<0.005	<0.1	NT
44	01/05	NT	NT	NT	NT	NT
45	06/05	<0.005	NT	<0.005	<0.05	NT
46	08/05	<0.005	NT	<0.005	NT	NT
47	11/05	<0.001	NT	<0.001	<0.005	NT
48	12/05	NT	NT	NT	NT	NT
49	05/06	NT	NT	NT	NT	NT
50	06/06	<0.001	NT	<0.001	<0.001	NT
51	08/06	<0.001	NT	<0.001	**0.0037**	NT
52	10/06	NT	NT	NT	NT	NT
53	12/06	<0.001	NT	<0.001	<0.0025	NT
54	01/07	NT	NT	NT	NT	NT
55	02/07	NT	NT	NT	NT	NT
56	05/07	NT	NT	NT	NT	NT
57	07/07	NT	NT	NT	NT	NT
58	08/07	<0.001	NT	<0.001	<0.05	NT
59	09/07	NT	NT	NT	NT	NT
60	11/07	<0.001	NT	<0.001	<0.025	NT
61	12/07	NT	NT	NT	NT	NT
62	08/08	<0.001	NT	<0.001	<0.025	NT
63	11/08	<0.001	NT	<0.001	<0.001	NT
64	09/09	<0.001	NT	<0.001	**0.58**	NT
65	11/09	<0.001	NT	<0.001	<0.025	NT
66	08/10	<0.005	<0.005	<0.005	NT	<0.005
67	11/10	<0.005	<0.005	<0.005	<0.005	<0.005
68	08/11	<0.001	<0.001	<0.001	<0.001	<0.001
69	11-12/11	<0.001	<0.001	<0.001	**0.094**	<0.001
70	06/12	<0.001	<0.001	<0.001	<0.05	<0.001
71	08/12	<0.002	<0.002	<0.002	NT	<0.002
72	11/12	<0.002	<0.002	<0.002	<0.002	<0.002
73	08/13	<0.002	<0.002	<0.002	NT	<0.002
74	11/13	<0.002	<0.002	<0.002	<0.002	<0.002
75	06/14	<0.002	<0.002	<0.002	<0.2	<0.002
76	08/14	<0.002	<0.002	<0.002	NT	<0.002
77	11/14	<0.002	<0.002	<0.002	<0.002	<0.002
78	06/15	<0.002	<0.002	<0.002	<0.002	<0.002

NOTE: Please refer to Table 5 for Notes.

TABLE 4
WATER QUALITY SUMMARY TABLE - SURFACE WATER
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Benzene**				
Round Number	Sample Date	Surface Water WQCTS = 0.0012				
		SW-1	SW-7	SW-2	SW-6	SW-8
Start of Bioremediation Pilot Test						
17	07/97	NT	NT	NT	Dry	NT
18	12/97	NT	NT	NT	NT	NT
19	04/98	NT	NT	NT	NT	NT
20	07/98	NT	NT	NT	Dry	NT
21	11/98	NT	NT	NT	NT	NT
22	3,5/99	NT	NT	NT	Dry	NT
23	07/99	NT	NT	NT	Dry	NT
24	12/99	NT	NT	NT	NT	NT
Start of Full-Scale Bioremediation						
25	06/00	NT	NT	NT	NT	NT
26	07/00	NT	NT	NT	NT	NT
27	08/00	NT	NT	NT	NT	NT
28	12/00	NT	NT	NT	NT	NT
29	01/01	NT	NT	NT	NT	NT
30	06-07/01	NT	NT	NT	NT	NT
31	09-10/01	NT	NT	NT	NT	NT
32	12/01	NT	NT	NT	NT	NT
33	01/02	<0.001	NT	<0.001	NT	NT
34	02/02	NT	NT	NT	NT	NT
35	06/02	NT	NT	NT	NT	NT
36	10/02	NT	NT	NT	NT	NT
37	01/03	NT	NT	NT	NT	NT
38	07/03	NT	NT	NT	NT	NT
39	12/03	NT	NT	NT	NT	NT
40	02/04	NT	NT	NT	NT	NT
41	06/04	NT	NT	NT	NT	NT
42	08/04	NT	NT	NT	NT	NT
43	11/04	NT	NT	NT	NT	NT
44	01/05	NT	NT	NT	NT	NT
45	06/05	NT	NT	NT	NT	NT
46	08/05	NT	NT	NT	NT	NT
47	11/05	NT	NT	NT	NT	NT
48	12/05	NT	NT	NT	NT	NT
49	05/06	NT	NT	NT	NT	NT
50	06/06	NT	NT	NT	NT	NT
51	08/06	NT	NT	NT	NT	NT
52	10/06	NT	NT	NT	NT	NT
53	12/06	NT	NT	NT	NT	NT
54	01/07	NT	NT	NT	NT	NT
55	02/07	NT	NT	NT	NT	NT
56	05/07	NT	NT	NT	NT	NT
57	07/07	NT	NT	NT	NT	NT
58	08/07	NT	NT	NT	NT	NT
59	09/07	NT	NT	NT	NT	NT
60	11/07	NT	NT	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT
62	08/08	<0.001	NT	<0.001	<0.025	NT
63	11/08	<0.001	NT	<0.001	<0.001	NT
64	09/09	<0.001	NT	<0.001	<0.05	NT
65	11/09	<0.001	NT	<0.001	<0.025	NT
66	08/10	<0.001	<0.001	<0.001	NT	<0.001
67	11/10	<0.001	<0.001	<0.001	<0.001	<0.001
68	08/11	<0.001	<0.001	<0.001	<0.001	<0.001
69	11-12/11	<0.001	<0.001	<0.001	<0.025	<0.001
70	06/12	<0.001	<0.001	<0.001	<0.05	<0.001
71	08/12	<0.001	<0.001	<0.001	NT	<0.001
72	11/12	<0.001	<0.001	<0.001	<0.001	<0.001
73	08/13	<0.001	<0.001	<0.001	NT	<0.001
74	11/13	<0.001	<0.001	<0.001	<0.001	<0.001
75	06/14	<0.001	<0.001	<0.001	<0.1	<0.001
76	08/14	<0.001	<0.001	<0.001	NT	<0.001
77	11/14	<0.001	<0.001	<0.001	<0.001	<0.001
78	06/15	<0.001	<0.001	<0.001	<0.001	<0.001

NOTE: Please refer to Table 5 for Notes.

TABLE 4
WATER QUALITY SUMMARY TABLE - SURFACE WATER
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Toluene**				
Round Number	Sample Date	Surface Water WQCTS = 6.8				
		SW-1	SW-7	SW-2	SW-6	SW-8
Start of Bioremediation Pilot Test						
17	07/97	NT	NT	NT	Dry	NT
18	12/97	NT	NT	NT	NT	NT
19	04/98	NT	NT	NT	NT	NT
20	07/98	NT	NT	NT	Dry	NT
21	11/98	NT	NT	NT	NT	NT
22	3,5/99	NT	NT	NT	Dry	NT
23	07/99	NT	NT	NT	Dry	NT
24	12/99	NT	NT	NT	NT	NT
Start of Full-Scale Bioremediation						
25	06/00	NT	NT	NT	NT	NT
26	07/00	NT	NT	NT	NT	NT
27	08/00	NT	NT	NT	NT	NT
28	12/00	NT	NT	NT	NT	NT
29	01/01	NT	NT	NT	NT	NT
30	06-07/01	NT	NT	NT	NT	NT
31	09-10/01	NT	NT	NT	NT	NT
32	12/01	NT	NT	NT	NT	NT
33	01/02	<0.001	NT	<0.001	NT	NT
34	02/02	NT	NT	NT	NT	NT
35	06/02	NT	NT	NT	NT	NT
36	10/02	NT	NT	NT	NT	NT
37	01/03	NT	NT	NT	NT	NT
38	07/03	NT	NT	NT	NT	NT
39	12/03	NT	NT	NT	NT	NT
40	02/04	NT	NT	NT	NT	NT
41	06/04	NT	NT	NT	NT	NT
42	08/04	NT	NT	NT	NT	NT
43	11/04	NT	NT	NT	NT	NT
44	01/05	NT	NT	NT	NT	NT
45	06/05	NT	NT	NT	NT	NT
46	08/05	NT	NT	NT	NT	NT
47	11/05	NT	NT	NT	NT	NT
48	12/05	NT	NT	NT	NT	NT
49	05/06	NT	NT	NT	NT	NT
50	06/06	NT	NT	NT	NT	NT
51	08/06	NT	NT	NT	NT	NT
52	10/06	NT	NT	NT	NT	NT
53	12/06	NT	NT	NT	NT	NT
54	01/07	NT	NT	NT	NT	NT
55	02/07	NT	NT	NT	NT	NT
56	05/07	NT	NT	NT	NT	NT
57	07/07	NT	NT	NT	NT	NT
58	08/07	NT	NT	NT	NT	NT
59	09/07	NT	NT	NT	NT	NT
60	11/07	NT	NT	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT
62	08/08	<0.002	NT	<0.001	<0.025	NT
63	11/08	<0.001	NT	<0.001	**0.014**	NT
64	09/09	<0.001	NT	<0.001	**0.18**	NT
65	11/09	<0.001	NT	<0.001	**0.044**	NT
66	08/10	<0.001	<0.001	<0.001	NT	<0.001
67	11/10	<0.001	<0.001	<0.001	<0.001	<0.001
68	08/11	<0.001	<0.001	<0.001	<0.001	<0.001
69	11-12/11	<0.001	<0.001	<0.001	**0.039**	<0.001
70	06/12	<0.001	<0.001	<0.001	**0.078**	<0.001
71	08/12	<0.001	<0.001	<0.001	NT	<0.001
72	11/12	<0.001	<0.001	<0.001	<0.001	<0.001
73	08/13	<0.001	<0.001	<0.001	NT	<0.001
74	11/13	<0.001	<0.001	<0.001	<0.001	<0.001
75	06/14	<0.001	<0.001	<0.001	<0.1	<0.001
76	08/14	<0.001	<0.001	<0.001	NT	<0.001
77	11/14	<0.001	<0.001	<0.001	<0.001	<0.001
78	06/15	<0.001	<0.001	<0.001	**0.007**	<0.001

NOTE: Please refer to Table 5 for Notes.

TABLE 4
WATER QUALITY SUMMARY TABLE - SURFACE WATER
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Ethylbenzene**				
Round Number	Sample Date	Surface Water WQCTS = 3.10				
		SW-1	SW-7	SW-2	SW-6	SW-8
Start of Bioremediation Pilot Test						
17	07/97	NT	NT	NT	Dry	NT
18	12/97	NT	NT	NT	NT	NT
19	04/98	NT	NT	NT	NT	NT
20	07/98	NT	NT	NT	Dry	NT
21	11/98	NT	NT	NT	NT	NT
22	3,5/99	NT	NT	NT	Dry	NT
23	07/99	NT	NT	NT	Dry	NT
24	12/99	NT	NT	NT	NT	NT
Start of Full-Scale Bioremediation						
25	06/00	NT	NT	NT	NT	NT
26	07/00	NT	NT	NT	NT	NT
27	08/00	NT	NT	NT	NT	NT
28	12/00	NT	NT	NT	NT	NT
29	01/01	NT	NT	NT	NT	NT
30	06-07/01	NT	NT	NT	NT	NT
31	09-10/01	NT	NT	NT	NT	NT
32	12/01	NT	NT	NT	NT	NT
33	01/02	<0.001	NT	<0.001	NT	NT
34	02/02	NT	NT	NT	NT	NT
35	06/02	NT	NT	NT	NT	NT
36	10/02	NT	NT	NT	NT	NT
37	01/03	NT	NT	NT	NT	NT
38	07/03	NT	NT	NT	NT	NT
39	12/03	NT	NT	NT	NT	NT
40	02/04	NT	NT	NT	NT	NT
41	06/04	NT	NT	NT	NT	NT
42	08/04	NT	NT	NT	NT	NT
43	11/04	NT	NT	NT	NT	NT
44	01/05	NT	NT	NT	NT	NT
45	06/05	NT	NT	NT	NT	NT
46	08/05	NT	NT	NT	NT	NT
47	11/05	NT	NT	NT	NT	NT
48	12/05	NT	NT	NT	NT	NT
49	05/06	NT	NT	NT	NT	NT
50	06/06	NT	NT	NT	NT	NT
51	08/06	NT	NT	NT	NT	NT
52	10/06	NT	NT	NT	NT	NT
53	12/06	NT	NT	NT	NT	NT
54	01/07	NT	NT	NT	NT	NT
55	02/07	NT	NT	NT	NT	NT
56	05/07	NT	NT	NT	NT	NT
57	07/07	NT	NT	NT	NT	NT
58	08/07	NT	NT	NT	NT	NT
59	09/07	NT	NT	NT	NT	NT
60	11/07	NT	NT	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT
62	08/08	<0.001	NT	<0.001	<0.025	NT
63	11/08	<0.001	NT	<0.001	<0.001	NT
64	09/09	<0.001	NT	<0.001	<0.05	NT
65	11/09	<0.001	NT	<0.001	<0.025	NT
66	08/10	<0.001	<0.001	<0.001	NT	<0.001
67	11/10	<0.001	<0.001	<0.001	<0.001	<0.001
68	08/11	<0.001	<0.001	<0.001	<0.001	<0.001
69	11-12/11	<0.001	<0.001	<0.001	<0.025	<0.001
70	06/12	<0.001	<0.001	<0.001	<0.05	<0.001
71	08/12	<0.001	<0.001	<0.001	NT	<0.001
72	11/12	<0.001	<0.001	<0.001	<0.001	<0.001
73	08/13	<0.001	<0.001	<0.001	NT	<0.001
74	11/13	<0.001	<0.001	<0.001	<0.001	<0.001
75	06/14	<0.001	<0.001	<0.001	<0.1	<0.001
76	08/14	<0.001	<0.001	<0.001	NT	<0.001
77	11/14	<0.001	<0.001	<0.001	<0.001	<0.001
78	06/15	<0.001	<0.001	<0.001	**0.002**	<0.001

NOTE: Please refer to Table 5 for Notes.

TABLE 4
WATER QUALITY SUMMARY TABLE - SURFACE WATER
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Total Xylenes**				
Round Number	Sample Date	Surface Water WQCTS = NA				
		SW-1	SW-7	SW-2	SW-6	SW-8
Start of Bioremediation Pilot Test						
17	07/97	NT	NT	NT	Dry	NT
18	12/97	NT	NT	NT	NT	NT
19	04/98	NT	NT	NT	NT	NT
20	07/98	NT	NT	NT	Dry	NT
21	11/98	NT	NT	NT	NT	NT
22	3,5/99	NT	NT	NT	Dry	NT
23	07/99	NT	NT	NT	Dry	NT
24	12/99	NT	NT	NT	NT	NT
Start of Full-Scale Bioremediation						
25	06/00	NT	NT	NT	NT	NT
26	07/00	NT	NT	NT	NT	NT
27	08/00	NT	NT	NT	NT	NT
28	12/00	NT	NT	NT	NT	NT
29	01/01	NT	NT	NT	NT	NT
30	06-07/01	NT	NT	NT	NT	NT
31	09-10/01	NT	NT	NT	NT	NT
32	12/01	NT	NT	NT	NT	NT
33	01/02	<0.003	NT	<0.003	NT	NT
34	02/02	NT	NT	NT	NT	NT
35	06/02	NT	NT	NT	NT	NT
36	10/02	NT	NT	NT	NT	NT
37	01/03	NT	NT	NT	NT	NT
38	07/03	NT	NT	NT	NT	NT
39	12/03	NT	NT	NT	NT	NT
40	02/04	NT	NT	NT	NT	NT
41	06/04	NT	NT	NT	NT	NT
42	08/04	NT	NT	NT	NT	NT
43	11/04	NT	NT	NT	NT	NT
44	01/05	NT	NT	NT	NT	NT
45	06/05	NT	NT	NT	NT	NT
46	08/05	NT	NT	NT	NT	NT
47	11/05	NT	NT	NT	NT	NT
48	12/05	NT	NT	NT	NT	NT
49	05/06	NT	NT	NT	NT	NT
50	06/06	NT	NT	NT	NT	NT
51	08/06	NT	NT	NT	NT	NT
52	10/06	NT	NT	NT	NT	NT
53	12/06	NT	NT	NT	NT	NT
54	01/07	NT	NT	NT	NT	NT
55	02/07	NT	NT	NT	NT	NT
56	05/07	NT	NT	NT	NT	NT
57	07/07	NT	NT	NT	NT	NT
58	08/07	NT	NT	NT	NT	NT
59	09/07	NT	NT	NT	NT	NT
60	11/07	NT	NT	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT
62	08/08	<0.003	NT	<0.003	<0.075	NT
63	11/08	<0.003	NT	<0.003	**0.0024**	NT
64	09/09	<0.001	NT	<0.001	<0.1	NT
65	11/09	<0.001	NT	<0.001	<0.05	NT
66	08/10	<0.001	<0.001	<0.001	NT	<0.001
67	11/10	<0.001	<0.001	<0.001	<0.001	<0.001
68	08/11	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015
69	11-12/11	<0.0015	<0.0015	<0.0015	<0.0375	<0.0015
70	06/12	<0.003	<0.0015	<0.0015	<0.075	<0.0015
71	08/12	<0.001	<0.001	<0.001	NT	<0.001
72	11/12	<0.001	<0.001	<0.001	<0.001	<0.001
73	08/13	<0.003	<0.003	<0.003	NT	<0.003
74	11/13	<0.002	<0.002	<0.002	<0.002	<0.002
75	06/14	<0.003	<0.003	<0.003	<0.3	<0.003
76	08/14	<0.003	<0.003	<0.003	NT	<0.003
77	11/14	<0.003	<0.003	<0.003	<0.003	<0.003
78	06/15	<0.003	<0.003	<0.003	**0.009**	<0.003

NOTE: Please refer to Table 5 for Notes.

TABLE 4
WATER QUALITY SUMMARY TABLE - SURFACE WATER
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**1,4-Dioxane**				
Round Number	Sample Date	Surface Water WQCTS = NA				
		SW-1	SW-7	SW-2	SW-6	SW-8
62	08/08	<0.003	NT	<0.003	<0.003	NT
63	11/08	NT	NT	<0.001	<0.001	NT
64	09/09	NT	NT	NT	NT	NT
65	11/09	NT	NT	NT	NT	NT
66	08/10	NT	NT	NT	NT	NT
67	11/10	NT	NT	NT	NT	NT
68	08/11	NT	NT	NT	NT	NT
69	11-12/11	NT	NT	NT	NT	NT
70	06/12	NT	NT	NT	NT	NT
71	08/12	NT	NT	NT	NT	NT
72	11/12	NT	NT	NT	NT	NT
73	08/13	NT	NT	NT	NT	NT
74	11/13	NT	NT	NT	NT	NT
75	06/14	NT	NT	NT	NT	NT
76	08/14	NT	NT	NT	NT	NT
77	11/14	NT	NT	NT	NT	NT
78	06/15	NT	NT	NT	NT	NT

Contaminant:		**Methyl-Tert-Butyl-Ether (MTBE)**				
Round Number	Sample Date					
		SW-1	SW-7	SW-2	SW-6	SW-8
62	08/08	NT	NT	NT	NT	NT
63	11/08	NT	NT	NT	NT	NT
64	09/09	NT	NT	NT	NT	NT
65	11/09	NT	NT	NT	NT	NT
66	08/10	NT	NT	<0.005	NT	<0.005
67	11/10	NT	NT	<0.005	<0.005	<0.005
68	08/11	NT	NT	<0.001	<0.001	<0.001
69	11-12/11	NT	NT	<0.001	<0.025	<0.001
70	06/12	NT	NT	<0.001	<0.05	<0.001
71	08/12	NT	NT	<0.001	NT	<0.001
72	11/12	NT	NT	<0.001	<0.001	<0.001
73	08/13	NT	NT	<0.001	NT	<0.001
74	11/13	NT	NT	<0.001	<0.001	<0.001
75	06/14	NT	NT	<0.001	<0.1	<0.001
76	08/14	NT	NT	<0.001	NT	<0.001
77	11/14	NT	NT	<0.001	<0.001	<0.001
78	06/15	NT	NT	<0.001	<0.001	<0.001

NOTE: Please refer to Table 5 for Notes.

TABLE 4
WATER QUALITY SUMMARY TABLE - SURFACE WATER
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Methane**				
Round Number	Sample Date	SW-1	SW-7	SW-2	SW-6	SW-8
Start of Bioremediation Pilot Test						
17	07/97	NT	NT	NT	NT	NT
18	12/97	NT	NT	NT	NT	NT
19	04/98	NT	NT	NT	NT	NT
20	07/98	NT	NT	NT	NT	NT
21	11/98	NT	NT	NT	NT	NT
22	3,5/99	NT	NT	NT	NT	NT
23	07/99	NT	NT	NT	NT	NT
24	12/99	NT	NT	NT	NT	NT
Start of Full-Scale Bioremediation						
25	06/00	NT	NT	NT	NT	NT
26	07/00	NT	NT	NT	NT	NT
27	08/00	NT	NT	NT	NT	NT
28	12/00	NT	NT	NT	NT	NT
29	01/01	NT	NT	NT	NT	NT
30	06-07/01	NT	NT	NT	NT	NT
31	09-10/01	NT	NT	NT	NT	NT
32	12/01	NT	NT	NT	NT	NT
33	01/02	NT	NT	NT	NT	NT
34	02/02	NT	NT	NT	NT	NT
35	06/02	NT	NT	NT	NT	NT
36	10/02	NT	NT	NT	NT	NT
37	01/03	NT	NT	NT	NT	NT
38	07/03	NT	NT	NT	NT	NT
39	12/03	NT	NT	NT	NT	NT
40	02/04	NT	NT	NT	NT	NT
41	06/04	NT	NT	NT	NT	NT
42	08/04	NT	NT	NT	NT	NT
43	11/04	NT	NT	NT	NT	NT
44	01/05	NT	NT	NT	NT	NT
45	06/05	NT	NT	NT	NT	NT
46	08/05	NT	NT	NT	NT	NT
47	11/05	NT	NT	NT	NT	NT
48	12/05	NT	NT	NT	NT	NT
49	05/06	NT	NT	NT	NT	NT
50	06/06	NT	NT	NT	NT	NT
51	08/06	NT	NT	NT	NT	NT
52	10/06	NT	NT	NT	NT	NT
53	12/06	NT	NT	NT	NT	NT
54	01/07	NT	NT	NT	NT	NT
55	02/07	NT	NT	NT	NT	NT
56	05/07	NT	NT	NT	NT	NT
57	07/07	NT	NT	NT	NT	NT
58	08/07	NT	NT	NT	NT	NT
59	09/07	NT	NT	NT	NT	NT
60	11/07	NT	NT	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT
62	08/08	NT	NT	NT	NT	NT
63	11/08	NT	NT	NT	NT	NT
64	09/09	NT	NT	NT	NT	NT
65	11/09	NT	NT	NT	NT	NT
66	08/10	NT	NT	NT	NT	NT
67	11/10	NT	NT	NT	NT	NT
68	08/11	NT	NT	NT	NT	NT
69	11-12/11	NT	NT	NT	NT	NT
70	06/12	NT	NT	NT	NT	NT
71	08/12	NT	NT	NT	NT	NT
72	11/12	NT	NT	NT	NT	NT
73	08/13	NT	NT	NT	NT	NT
74	11/13	NT	NT	NT	NT	NT
75	06/14	NT	NT	NT	NT	NT
76	08/14	NT	NT	NT	NT	NT
77	11/14	NT	NT	NT	NT	NT
78	06/15	NT	NT	NT	NT	NT

NOTE: Please refer to Table 5 for Notes.

TABLE 4
WATER QUALITY SUMMARY TABLE - SURFACE WATER
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Ethane**				
Round Number	Sample Date	SW-1	SW-7	SW-2	SW-6	SW-8
42	08/04	NT	NT	NT	NT	NT
43	11/04	NT	NT	NT	NT	NT
No Analysis for Parameter between 2005 and 2009						
66	08/10	NT	NT	NT	NT	NT
67	11/10	NT	NT	NT	NT	NT
68	08/11	NT	NT	NT	NT	NT
69	11-12/11	NT	NT	NT	NT	NT
70	06/12	NT	NT	NT	NT	NT
71	08/12	NT	NT	NT	NT	NT
72	11/12	NT	NT	NT	NT	NT
73	08/13	NT	NT	NT	NT	NT
74	11/13	NT	NT	NT	NT	NT
75	06/14	NT	NT	NT	NT	NT
76	08/14	NT	NT	NT	NT	NT
77	11/14	NT	NT	NT	NT	NT
78	06/15	NT	NT	NT	NT	NT

Contaminant:		**Ethene**				
Round Number	Sample Date	SW-1	SW-7	SW-2	SW-6	SW-8
42	08/04	NT	NT	NT	NT	NT
43	11/04	NT	NT	NT	NT	NT
No Analysis for Parameter between 2005 and 2009						
66	08/10	NT	NT	NT	NT	NT
67	11/10	NT	NT	NT	NT	NT
68	08/11	NT	NT	NT	NT	NT
69	11-12/11	NT	NT	NT	NT	NT
70	06/12	NT	NT	NT	NT	NT
71	08/12	NT	NT	NT	NT	NT
72	11/12	NT	NT	NT	NT	NT
73	08/13	NT	NT	NT	NT	NT
74	11/13	NT	NT	NT	NT	NT
75	06/14	NT	NT	NT	NT	NT
76	08/14	NT	NT	NT	NT	NT
77	11/14	NT	NT	NT	NT	NT
78	06/15	NT	NT	NT	NT	NT

NOTE: Please refer to Table 5 for Notes.

TABLE 4
WATER QUALITY SUMMARY TABLE - SURFACE WATER
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Iron**				
Round Number	Sample Date	SW-1	SW-7	SW-2	SW-6	SW-8
1	08/87	NT	NT	NT	NT	NT
2	10/87	NT	NT	NT	NT	NT
No Analysis for Parameter between 1987 and 2004						
41	06/04	NT	NT	NT	NT	NT
42	08/04	NT	NT	NT	NT	NT
No Analysis for Parameter after 2004						

Contaminant:		**Manganese**				
Round Number	Sample Date	SW-1	SW-7	SW-2	SW-6	SW-8
1	08/87	NT	NT	NT	NT	NT
2	10/87	NT	NT	NT	NT	NT
No Analysis for Parameter between 1987 and 2004						
41	06/04	NT	NT	NT	NT	NT
42	08/04	NT	NT	NT	NT	NT
No Analysis for Parameter after 2004						

NOTE: Please refer to Table 5 for Notes.

TABLE 4
WATER QUALITY SUMMARY TABLE - SURFACE WATER
Former Wastewater Treatment Facility
Salem, New Hampshire
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Contaminant:		**Chloride**				
Round Number	Sample Date	Surface Water WQCTS = 230				
		SW-1	SW-7	SW-2	SW-6	SW-8
Start of Bioremediation Pilot Test						
17	07/97	NT	NT	NT	Dry	NT
18	12/97	NT	NT	NT	NT	NT
19	04/98	NT	NT	NT	NT	NT
20	07/98	NT	NT	NT	NT	NT
21	11/98	NT	NT	NT	NT	NT
22	3,5/99	NT	NT	NT	NT	NT
23	07/99	NT	NT	NT	NT	NT
24	12/99	NT	NT	NT	NT	NT
Start of Full-Scale Bioremediation						
25	06/00	NT	NT	NT	NT	NT
26	07/00	NT	NT	NT	NT	NT
27	08/00	NT	NT	NT	NT	NT
28	12/00	NT	NT	NT	NT	NT
29	01/01	NT	NT	NT	NT	NT
30	06-07/01	NT	NT	NT	NT	NT
31	09-10/01	NT	NT	NT	NT	NT
32	12/01	NT	NT	NT	NT	NT
33	01/02	NT	NT	NT	NT	NT
34	02/02	NT	NT	NT	NT	NT
35	06/02	NT	NT	NT	NT	NT
36	10/02	NT	NT	NT	NT	NT
37	01/03	NT	NT	NT	NT	NT
38	07/03	NT	NT	NT	NT	NT
39	12/03	NT	NT	NT	NT	NT
40	02/04	NT	NT	NT	NT	NT
41	06/04	NT	NT	NT	NT	NT
42	08/04	NT	NT	NT	NT	NT
43	11/04	NT	NT	NT	NT	NT
44	01/05	NT	NT	NT	NT	NT
45	06/05	NT	NT	NT	NT	NT
46	08/05	NT	NT	NT	NT	NT
47	11/05	NT	NT	NT	NT	NT
48	12/05	NT	NT	NT	NT	NT
49	05/06	NT	NT	NT	NT	NT
50	06/06	NT	NT	NT	NT	NT
51	08/06	NT	NT	NT	NT	NT
52	10/06	NT	NT	NT	NT	NT
53	12/06	NT	NT	NT	NT	NT
54	01/07	NT	NT	NT	NT	NT
55	02/07	NT	NT	NT	NT	NT
56	05/07	NT	NT	NT	NT	NT
57	07/07	NT	NT	NT	NT	NT
58	08/07	NT	NT	NT	NT	NT
59	09/07	NT	NT	NT	NT	NT
60	11/07	NT	NT	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT
62	08/08	NT	NT	NT	NT	NT
63	11/08	NT	NT	NT	NT	NT
64	09/09	NT	NT	NT	NT	NT
65	11/09	NT	NT	NT	NT	NT
No Analysis for Parameter after 2009						

NOTE: Please refer to Table 5 for Notes.

TABLE 4
WATER QUALITY SUMMARY TABLE - SURFACE WATER
Former Wastewater Treatment Facility
Salem, New Hampshire
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Contaminant:		**Total Organic Carbon (TOC), Sample Round No. 13 Chemical Oxygen Demand (COD), Subsequent Sample Rounds until Round No. 43. Data for that round respectively reflect COD and TOC concentrations.**				
Round Number	Sample Date	SW-1	SW-7	SW-2	SW-6	SW-8
Start of Bioremediation Pilot Test						
17	07/97	NT	NT	NT	NT	NT
18	12/97	NT	NT	NT	NT	NT
19	04/98	NT	NT	NT	NT	NT
20	07/98	NT	NT	NT	NT	NT
21	11/98	NT	NT	NT	NT	NT
22	03/99	NT	NT	NT	NT	NT
23	07/99	NT	NT	NT	NT	NT
24	12/99	NT	NT	NT	NT	NT
Start of Full-Scale Bioremediation						
25	06/00	NT	NT	NT	NT	NT
26	07/00	NT	NT	NT	NT	NT
27	08/00	NT	NT	NT	NT	NT
28	12/00	NT	NT	NT	NT	NT
29	01/01	NT	NT	NT	NT	NT
30	06-07/01	NT	NT	NT	NT	NT
31	09-10/01	NT	NT	NT	NT	NT
32	12/01	NT	NT	NT	NT	NT
33	01/02	NT	NT	NT	NT	NT
34	02/02	NT	NT	NT	NT	NT
35	06/02	NT	NT	NT	NT	NT
36	10/02	NT	NT	NT	NT	NT
37	01/03	NT	NT	NT	NT	NT
38	07/03	NT	NT	NT	NT	NT
39	12/03	NT	NT	NT	NT	NT
40	02/04	NT	NT	NT	NT	NT
41	06/04	NT	NT	NT	NT	NT
42	08/04	NT	NT	NT	NT	NT
43	11/04	NT	NT	NT	NT	NT
44	01/05	NT	NT	NT	NT	NT
45	06/05	NT	NT	NT	NT	NT
46	08/05	NT	NT	NT	NT	NT
47	11/05	NT	NT	NT	NT	NT
48	12/05	NT	NT	NT	NT	NT
49	05/06	NT	NT	NT	NT	NT
50	06/06	NT	NT	NT	NT	NT
51	08/06	NT	NT	NT	NT	NT
52	10/06	NT	NT	NT	NT	NT
53	12/06	NT	NT	NT	NT	NT
54	01/07	NT	NT	NT	NT	NT
55	02/07	NT	NT	NT	NT	NT
56	05/07	NT	NT	NT	NT	NT
57	07/07	NT	NT	NT	NT	NT
58	08/07	NT	NT	NT	NT	NT
59	09/07	NT	NT	NT	NT	NT
60	11/07	NT	NT	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT
62	08/08	NT	NT	NT	NT	NT
63	11/08	NT	NT	NT	NT	NT
64	09/09	NT	NT	NT	NT	NT
65	11/09	NT	NT	NT	NT	NT
66	08/10	**16**	<10	**13**	NT	**13**
67	11/10	**20**	**19**	**23**	**150**	**18**
68	08/11	**58**	**49**	**52**	**82**	**55**
69	11-12/11	**16**	**14**	**14**	**172**	**14**
70	06/12	**13**	**12**	**14**	**149**	<10
71	08/12	<10	<10	<10	NT	<10
72	11/12	**13**	<10	<10	**67**	<10
73	08/13	**14**	**15**	**21**	NT	<10
74	11/13	<10	<10	<10	**249**	**32**
75	06/14	**28**	**34**	**54**	**291**	**46**
76	08/14	**18**	**10**	**17**	NT	**20**
77	11/14	<10	<10	<10	**126**	**11**
78	06/15	**31**	**31**	**34**	**92**	**35**

NOTE: Please refer to Table 5 for Notes.

TABLE 4
WATER QUALITY SUMMARY TABLE - SURFACE WATER
Former Wastewater Treatment Facility
Salem, New Hampshire
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Contaminant:		**Nitrate**				
Round Number	Sample Date	SW-1	SW-7	SW-2	SW-6	SW-8
Start of Bioremediation Pilot Test						
17	07/97	NT	NT	NT	NT	NT
18	12/97	NT	NT	NT	NT	NT
19	04/98	NT	NT	NT	NT	NT
20	07/98	NT	NT	NT	NT	NT
21	11/98	NT	NT	NT	NT	NT
22	3,5/99	NT	NT	NT	NT	NT
23	07/99	NT	NT	NT	NT	NT
24	12/99	NT	NT	NT	NT	NT
Start of Full-Scale Bioremediation						
25	06/00	NT	NT	NT	NT	NT
26	07/00	NT	NT	NT	NT	NT
27	08/00	NT	NT	NT	NT	NT
28	12/00	NT	NT	NT	NT	NT
29	01/01	NT	NT	NT	NT	NT
30	06-07/01	NT	NT	NT	NT	NT
31	09-10/01	NT	NT	NT	NT	NT
32	12/01	NT	NT	NT	NT	NT
33	01/02	NT	NT	NT	NT	NT
34	02/02	NT	NT	NT	NT	NT
35	06/02	NT	NT	NT	NT	NT
36	10/02	NT	NT	NT	NT	NT
37	01/03	NT	NT	NT	NT	NT
38	07/03	NT	NT	NT	NT	NT
39	12/03	NT	NT	NT	NT	NT
40	02/04	NT	NT	NT	NT	NT
41	06/04	NT	NT	NT	NT	NT
42	08/04	NT	NT	NT	NT	NT
43	11/04	NT	NT	NT	NT	NT
44	01/05	NT	NT	NT	NT	NT
45	06/05	NT	NT	NT	NT	NT
46	08/05	NT	NT	NT	NT	NT
47	11/05	NT	NT	NT	NT	NT
48	12/05	NT	NT	NT	NT	NT
49	05/06	NT	NT	NT	NT	NT
50	06/06	NT	NT	NT	NT	NT
51	08/06	NT	NT	NT	NT	NT
52	10/06	NT	NT	NT	NT	NT
53	12/06	NT	NT	NT	NT	NT
54	01/07	NT	NT	NT	NT	NT
55	02/07	NT	NT	NT	NT	NT
56	05/07	NT	NT	NT	NT	NT
57	07/07	NT	NT	NT	NT	NT
58	08/07	NT	NT	NT	NT	NT
59	09/07	NT	NT	NT	NT	NT
60	11/07	NT	NT	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT
62	08/08	NT	NT	NT	NT	NT
63	11/08	NT	NT	NT	NT	NT
64	09/09	NT	NT	NT	NT	NT
65	11/09	NT	NT	NT	NT	NT
66	08/10	NT	NT	NT	NT	NT
67	11/10	NT	NT	NT	NT	NT
68	08/11	NT	NT	NT	NT	NT
69	11-12/11	NT	NT	NT	NT	NT
70	06/12	NT	NT	NT	NT	NT
71	08/12	NT	NT	NT	NT	NT
72	11/12	NT	NT	NT	NT	NT
73	08/13	NT	NT	NT	NT	NT
74	11/13	NT	NT	NT	NT	NT
75	06/14	NT	NT	NT	NT	NT
76	08/14	NT	NT	NT	NT	NT
77	11/14	NT	NT	NT	NT	NT
78	06/15	NT	NT	NT	NT	NT

NOTE: Please refer to Table 5 for Notes.

TABLE 4
WATER QUALITY SUMMARY TABLE - SURFACE WATER
Former Wastewater Treatment Facility
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Contaminant:		**Sulfate**				
Round	Sample					
Number	Date	SW-1	SW-7	SW-2	SW-6	SW-8
Start of Bioremediation Pilot Test						
17	07/97	NT	NT	NT	NT	NT
18	12/97	NT	NT	NT	NT	NT
19	04/98	NT	NT	NT	NT	NT
20	07/98	NT	NT	NT	NT	NT
21	11/98	NT	NT	NT	NT	NT
22	3,5/99	NT	NT	NT	NT	NT
23	07/99	NT	NT	NT	NT	NT
24	12/99	NT	NT	NT	NT	NT
Start of Full-Scale Bioremediation						
25	06/00	NT	NT	NT	NT	NT
26	07/00	NT	NT	NT	NT	NT
27	08/00	NT	NT	NT	NT	NT
28	12/00	NT	NT	NT	NT	NT
29	01/01	NT	NT	NT	NT	NT
30	06-07/01	NT	NT	NT	NT	NT
31	09-10/01	NT	NT	NT	NT	NT
32	12/01	NT	NT	NT	NT	NT
33	01/02	NT	NT	NT	NT	NT
34	02/02	NT	NT	NT	NT	NT
35	06/02	NT	NT	NT	NT	NT
36	10/02	NT	NT	NT	NT	NT
37	01/03	NT	NT	NT	NT	NT
38	07/03	NT	NT	NT	NT	NT
39	12/03	NT	NT	NT	NT	NT
40	02/04	NT	NT	NT	NT	NT
41	06/04	NT	NT	NT	NT	NT
42	08/04	NT	NT	NT	NT	NT
43	11/04	NT	NT	NT	NT	NT
44	01/05	NT	NT	NT	NT	NT
45	06/05	NT	NT	NT	NT	NT
46	08/05	NT	NT	NT	NT	NT
47	11/05	NT	NT	NT	NT	NT
48	12/05	NT	NT	NT	NT	NT
49	05/06	NT	NT	NT	NT	NT
50	06/06	NT	NT	NT	NT	NT
51	08/06	NT	NT	NT	NT	NT
52	10/06	NT	NT	NT	NT	NT
53	12/06	NT	NT	NT	NT	NT
54	01/07	NT	NT	NT	NT	NT
55	02/07	NT	NT	NT	NT	NT
56	05/07	NT	NT	NT	NT	NT
57	07/07	NT	NT	NT	NT	NT
58	08/07	NT	NT	NT	NT	NT
59	09/07	NT	NT	NT	NT	NT
60	11/07	NT	NT	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT
62	08/08	NT	NT	NT	NT	NT
63	11/08	NT	NT	NT	NT	NT
64	09/09	NT	NT	NT	NT	NT
65	11/09	NT	NT	NT	NT	NT
66	08/10	NT	NT	NT	NT	NT
67	11/10	NT	NT	NT	NT	NT
68	08/11	NT	NT	NT	NT	NT
69	11-12/11	NT	NT	NT	NT	NT
70	06/12	NT	NT	NT	NT	NT
71	08/12	NT	NT	NT	NT	NT
72	11/12	NT	NT	NT	NT	NT
73	08/13	NT	NT	NT	NT	NT
74	11/13	NT	NT	NT	NT	NT
75	06/14	NT	NT	NT	NT	NT
76	08/14	NT	NT	NT	NT	NT
77	11/14	NT	NT	NT	NT	NT
78	06/15	NT	NT	NT	NT	NT

NOTE: Please refer to Table 5 for Notes.

TABLE 4
WATER QUALITY SUMMARY TABLE - SURFACE WATER
Former Wastewater Treatment Facility
Salem, New Hampshire
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Contaminant:		**Dissolved Oxygen**				
Round	Sample					
Number	Date	SW-1	SW-7	SW-2	SW-6	SW-8
1	08/87	NT	NT	NT	NT	NT
2	10/87	NT	NT	NT	NT	NT
3	11/88	NT	NT	NT	NT	NT
4	02/89	NT	NT	NT	NT	NT
5	02/91	NT	NT	NT	NT	NT
6	02-03/92	NT	NT	NT	NT	NT
7	04/94	NT	NT	NT	NT	NT
8	08/94	NT	NT	NT	NT	NT
9	11/94	NT	NT	NT	NT	NT
10	04/95	NT	NT	NT	NT	NT
11	08/95	NT	NT	NT	NT	NT
12	12/95	NT	NT	NT	NT	NT
13	05/96	NT	NT	NT	NT	NT
14	07/96	NT	NT	NT	NT	NT
15	11/96	NT	NT	NT	NT	NT
16	04/97	NT	NT	NT	NT	NT
Start of Bioremediation Pilot Test						
17	07/97	NT	NT	NT	NT	NT
18	12/97	NT	NT	NT	NT	NT
19	04/98	NT	NT	NT	NT	NT
20	07/98	NT	NT	NT	NT	NT
21	11/98	NT	NT	NT	NT	NT
22	3,5/99	NT	NT	NT	NT	NT
23	07/99	NT	NT	NT	NT	NT
24	12/99	NT	NT	NT	NT	NT
Start of Full-Scale Bioremediation						
25	06/00	NT	NT	NT	NT	NT
26	07/00	NT	NT	NT	NT	NT
27	08/00	NT	NT	NT	NT	NT
28	12/00	NT	NT	NT	NT	NT
29	01/01	NT	NT	NT	NT	NT
30	06-07/01	NT	NT	NT	NT	NT
31	09-10/01	NT	NT	NT	NT	NT
32	12/01	NT	NT	NT	NT	NT
33	01/02	NT	NT	NT	NT	NT
34	02/02	NT	NT	NT	NT	NT
35	06/02	NT	NT	NT	NT	NT
36	10/02	NT	NT	NT	NT	NT
37	01/03	NT	NT	NT	NT	NT
38	07/03	NT	NT	NT	NT	NT
39	12/03	NT	NT	NT	NT	NT
40	02/04	NT	NT	NT	NT	NT
41	06/04	NT	NT	NT	NT	NT
42	08/04	NT	NT	NT	NT	NT
43	11/04	NT	NT	NT	NT	NT
44	01/05	NT	NT	NT	NT	NT
45	06/05	NT	NT	NT	NT	NT
46	08/05	NT	NT	NT	NT	NT
47	11/05	NT	NT	NT	NT	NT
48	12/05	NT	NT	NT	NT	NT
49	05/06	NT	NT	NT	NT	NT
50	06/06	NT	NT	NT	NT	NT
51	08/06	NT	NT	NT	NT	NT
52	10/06	NT	NT	NT	NT	NT
53	12/06	NT	NT	NT	NT	NT
54	01/07	NT	NT	NT	NT	NT
55	02/07	NT	NT	NT	NT	NT
56	05/07	NT	NT	NT	NT	NT
57	07/07	NT	NT	NT	NT	NT
58	08/07	NT	NT	NT	NT	NT
59	09/07	NT	NT	NT	NT	NT
60	11/07	NT	NT	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT
62	08/08	2.3	NT	2.3	1.7	NT
63	11/08	8	NT	7.8	NT	NT
64	09/09	4	NT	4.2	NT	NT
65	11/09	NT	NT	NT	NT	NT
66	08/10	3.0	2.4	2.6	NT	2.7
67	11/10	5.6	5.5	5.4	1.2	6.0
68	08/11	5.0	4.8	4.4	2.0	4.6
69	11-12/11	8.7	7.6	7.1	1.3	7.5
70	06/12	6.0	5.1	4.6	2.0	5.7
71	08/12	4.3	2.3	2.7	NT	3.0
72	11/12	7.1	7.3	5.2	1.4	7.9
73	08/13	3.7	3.2	3.8	NT	2.8
74	11/13	7.5	7.7	8.4	1.7	7.8
75	06/14	4.9	4.3	4.3	2.8	4.3
76	08/14	5.3	4.9	3.9	NT	4.4
77	11/14	6.7	6.8	6.6	4.1	7.2
78	06/15	3.6	3.2	3.4	2.4	3.7

NOTE: Please refer to Table 5 for Notes.

TABLE 4
WATER QUALITY SUMMARY TABLE - SURFACE WATER
Former Wastewater Treatment Facility
Salem, New Hampshire
NHDES #198405033

Contaminant:		**Oxidation Reduction Potential**				
Round	Sample					
Number	Date	SW-1	SW-7	SW-2	SW-6	SW-8
Start of Bioremediation Pilot Test						
17	07/97	NT	NT	NT	NT	NT
18	12/97	NT	NT	NT	NT	NT
19	04/98	NT	NT	NT	NT	NT
20	07/98	NT	NT	NT	NT	NT
21	11/98	NT	NT	NT	NT	NT
22	3,5/99	NT	NT	NT	NT	NT
23	07/99	NT	NT	NT	NT	NT
24	12/99	NT	NT	NT	NT	NT
Start of Full-Scale Bioremediation						
25	06/00	NT	NT	NT	NT	NT
26	07/00	NT	NT	NT	NT	NT
27	08/00	NT	NT	NT	NT	NT
28	12/00	NT	NT	NT	NT	NT
29	01/01	NT	NT	NT	NT	NT
30	06-07/01	NT	NT	NT	NT	NT
31	09-10/01	NT	NT	NT	NT	NT
32	12/01	NT	NT	NT	NT	NT
33	01/02	NT	NT	NT	NT	NT
34	02/02	NT	NT	NT	NT	NT
35	06/02	NT	NT	NT	NT	NT
36	10/02	NT	NT	NT	NT	NT
37	01/03	NT	NT	NT	NT	NT
38	07/03	NT	NT	NT	NT	NT
39	12/03	NT	NT	NT	NT	NT
40	02/04	NT	NT	NT	NT	NT
41	06/04	NT	NT	NT	NT	NT
42	08/04	NT	NT	NT	NT	NT
43	11/04	NT	NT	NT	NT	NT
44	01/05	NT	NT	NT	NT	NT
45	06/05	NT	NT	NT	NT	NT
46	08/05	NT	NT	NT	NT	NT
47	11/05	NT	NT	NT	NT	NT
48	12/05	NT	NT	NT	NT	NT
49	05/06	NT	NT	NT	NT	NT
50	06/06	NT	NT	NT	NT	NT
51	08/06	NT	NT	NT	NT	NT
52	10/06	NT	NT	NT	NT	NT
53	12/06	NT	NT	NT	NT	NT
54	01/07	NT	NT	NT	NT	NT
55	02/07	NT	NT	NT	NT	NT
56	05/07	NT	NT	NT	NT	NT
57	07/07	NT	NT	NT	NT	NT
58	08/07	NT	NT	NT	NT	NT
59	09/07	NT	NT	NT	NT	NT
60	11/07	NT	NT	NT	NT	NT
61	12/07	NT	NT	NT	NT	NT
62	08/08	+130	NT	+65	+165	NT
63	11/08	+240	NT	+225	NT	NT
64	09/09	+80	NT	+75	NT	NT
65	11/09	NT	NT	NT	NT	NT
66	08/10	+160	+109	+111	NT	+20
67	11/10	+117	+13	+31	+117	+51
68	08/11	+65	+79	+52	+93	+52
69	11-12/11	+125	+123	+121	-6	+124
70	06/12	-10	-30	+115	-55	+110
71	08/12	+143	+113	+68	NT	+124
72	11/12	+49	+110	+115	-51	+1
73	08/13	+33	+43	+94	NT	+45
74	11/13	+95	-14	+107	-13	+99
75	06/14	+75	+89	+83	+12	-19
76	08/14	+37	+32	+41	NT	+23
77	11/14	+47	-87	+54	+16	+10
78	06/15	+80	+45	+55	+45	+85

NOTE: Please refer to Table 5 for Notes.

APPENDIX D

FIELD DOCUMENTATION

APPENDIX D.1

SOIL STOCKPILE PHOTOGRAPHS







APPENDIX D.2

SOIL BORING AND MONITORING WELL LOGS

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

WELL NUMBER GZ-10LR

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 6/24/19 **COMPLETED** 6/24/19
GROUND ELEVATION 111.94 ft AMSL **HOLE SIZE** 4 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD Drive & Wash
AT TIME OF DRILLING ---
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 91816.2
NOTES
EASTING (NH SP ft 1983) 1106449.25

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0		Feet BGS	Casing Top Elev: 114.38 (ft) Casing Type: Steel Standpipe
		No Sampling Conducted	Cement
8			Native Backfill
10			2" dia. PVC Riser
16			Bentonite Seal
22			Filter Sand
24			2" dia. 10-Slot PVC Screen
29		Bottom of borehole at 29.0 feet.	

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

WELL NUMBER GZ-10UR

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 6/24/19 **COMPLETED** 6/24/19
GROUND ELEVATION 111.75 ft AMSL **HOLE SIZE** 4 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD Drive & Wash
AT TIME OF DRILLING ---
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 91819.23
NOTES
EASTING (NH SP ft 1983) 1106448.35

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0		Feet BGS	Casing Top Elev: 114.23 (ft) Casing Type: Steel Standpipe
		No Sampling Conducted	Cement
2			Native Backfill
			2" dia. PVC Riser
4			Bentonite Seal
6			
8			
10			Filter Sand
			2" dia. 10-Slot PVC Screen
12			
14			
		Bottom of borehole at 15.0 feet.	

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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WELL NUMBER MW19-01U

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

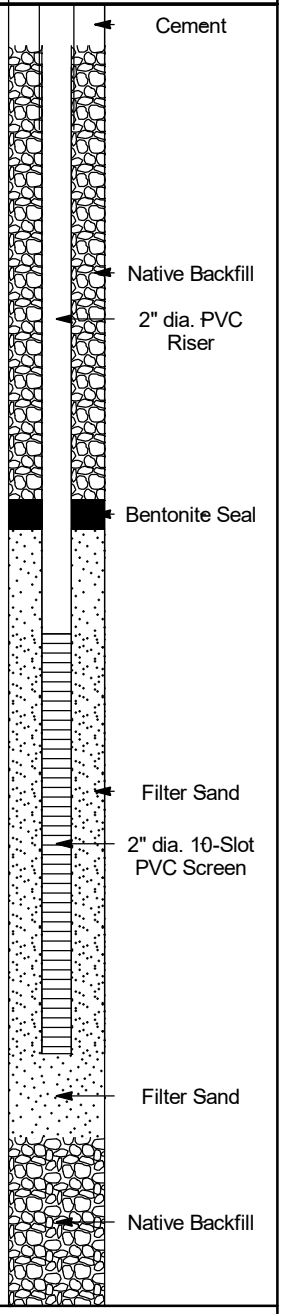
CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 6/24/19 **COMPLETED** 6/25/19
GROUND ELEVATION 110.97 ft AMSL **HOLE SIZE** 4 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD Drive & Wash
AT TIME OF DRILLING 9.00 ft / Elev 101.97 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 92520.2877
NOTES
EASTING (NH SP ft 1983) 1106986.578

DEPTH (ft)	RECOVERY %	BLOW COUNTS (N VALUE)	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0							Samples generally collected every 5 feet with 2 foot samplers beginning at 4 feet bgs.		
4						4.0		107.0	
	50	SS 1-2-4-6 (6)		SP		4.5		106.5	0
				CL-ML		5.0	SAND, (SP) Light brown, fine to medium grained, moist	106.0	0
6						6.0	SILTY CLAY, (CL-ML) Light brown, moist, medium plasticity	105.0	
8						9.0 ▽		102.0	
	50	SS 7-10-10-9 (20)		SW		9.5		101.5	0
10				CL-ML		10.0	SAND, (SW) Light brown, fine to coarse grained, wet, medium dense	101.0	0
						11.0	SILTY CLAY, (CL-ML) Light brown, moist to wet, medium plasticity	100.0	
12									
14						14.0		97.0	
	50	SS 8-9-7-11 (16)		SW		14.5	SAND, (SW) Light brown, fine to coarse grained, wet, medium dense, some fine to medium gravel	96.5	0
16						16.0		95.0	
18									
						19.0		92.0	
	50	SS 4-1-1-0 (2)		SW		19.5	SAND, (SW) Light brown, fine to coarse grained, wet, very loose, trace gravel	91.5	0
20				SP		20.0		91.0	0.1
						21.0	SAND, (SP) Light brown, fine grained, saturated, very loose, little silt	90.0	
22									
24						24.0		87.0	
	50	SS 11-8-3-3 (11)	SB19-01 (25-26)	SM		24.5	SAND, (SM) Light brown, fine grained, saturated, very loose, little fine gravel	86.5	0
26				SW		25.0		86.0	0.4
						26.0	SAND, (SW) Brown, medium to coarse grained, wet, loose	85.0	
28									
						29.0		82.0	
30	42	SS 11-21-22-23 (43)		SW		29.8	GRAVELLY SAND, (SW) Light brown, fine to coarse grained, saturated, dense	81.2	0
						31.0		80.0	

Bottom of borehole at 31.0 feet.

WELL DIAGRAM

Casing Top Elev: 113.47 (ft)
Casing Type: Steel Standpipe



NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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WELL NUMBER MW19-02L

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 6/25/19 **COMPLETED** 6/25/19
GROUND ELEVATION 112.44 ft AMSL **HOLE SIZE** 4 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD Drive & Wash
AT TIME OF DRILLING 4.00 ft / Elev 108.44 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 92441.9
NOTES
EASTING (NH SP ft 1983) 1107101.06

DEPTH (ft)	RECOVERY %	BLOW COUNTS (N VALUE)	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	Feet BGS	PID (ppm)	WELL DIAGRAM
0									Casing Top Elev: 114.86 (ft) Casing Type: Steel Standpipe
						Samples collected every 5 feet with 2 foot samplers beginning at 4 feet bgs.			
							4.0 ▽ 108.4		
6	42	SS 3-4-5-7 (9)		SP-SM		SAND, (SP-SM) Pale brown, fine grained, wet, loose, trace silt	4.8 – 6.0	0	
							107.6 – 106.4		
							9.0	103.4	
10	45	SS 2-2-3-4 (5)		SP-SM		SAND, (SP-SM) Pale brown, fine grained, wet, medium dense, trace silt	9.9 – 11.0	0	
							102.5 – 101.4		
							14.0	98.4	
16	60	SS 15-13-15 (28)		SP-SM		SAND, (SP-SM) Pale brown, fine grained, wet, medium dense, trace silt, trace gravel, 1" gravel lense in middle	15.2 – 16.0	0	
							97.2 – 96.4		
							19.0	93.4	
20	45	SS 11-10-14-23 (24)		SP-SM		SAND, (SP-SM) Pale brown, fine grained, wet, medium dense, some clay, trace gravel, crushed rock at tip, clay lenses throughout	19.9 – 21.0	0	Native Backfill 2" dia. PVC Riser
							92.5 – 91.4		
							24.0	88.4	
26	35	SS 14-15-13-9 (28)		SP		GRAVELLY SAND, (SP) Light brown, fine to coarse grained, wet, medium dense	24.7 – 26.0	0	
							87.7 – 86.4		
							29.0	83.4	
30	38	SS 10-9-9-11 (18)		SW-SC		CLAYEY SAND, (SW-SC) Pale brown, fine to coarse grained, wet, medium dense, some gravel	29.8 – 31.0	0	
							82.6 – 81.4		
							34.0	78.4	
36	30	SS 9-6-7-8 (13)		SW		SAND, (SW) Light brown, fine to coarse grained, wet, medium dense, some gravel, trace silt	34.6 – 36.0	0	
							77.8 – 76.4		
							39.0	73.4	Bentonite Seal
40	30	SS 4-6-7-5 (13)		SW		SAND, (SW) Light brown, fine to coarse grained, wet, medium dense, trace gravel	39.6 – 41.0	0	
							72.8 – 71.4		
							44.0	68.4	
46	0	SS 3-3-3-3 (6)				No Recovery	46.0	66.4	Filter Sand 2" dia. 10-Slot PVC Screen
							49.0	63.4	
50	60	SS 50-36-28-36 (64)	SB19-02 (49-51)	ML		SANDY SILT, (ML) Light gray, moist, stiff, Clay at aprox. top 2"	50.2 – 51.0	0.7	
							62.2 – 61.4		
							54.0	58.4	Native Backfill

Bottom of borehole at 54.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

WELL NUMBER MW19-02U

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 6/26/19 **COMPLETED** 6/26/19
GROUND ELEVATION 112.45 ft AMSL **HOLE SIZE** 4 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD Drive & Wash
AT TIME OF DRILLING ---
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 92442.8
NOTES
EASTING (NH SP ft 1983) 1107105.45

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0		Feet BGS	Casing Top Elev: 114.99 (ft) Casing Type: Steel Standpipe
		No Samples Collected. Refer to MW19-02L for soil descriptions.	Cement
2			
4			
6			Native Backfill
8			2" dia. PVC Riser
10			
12			Bentonite Seal
14			
16			
18			Filter Sand
20			2" dia. 10-Slot PVC Screen
22			
24			
		25.0	87.5 Native Backfill

Bottom of borehole at 25.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

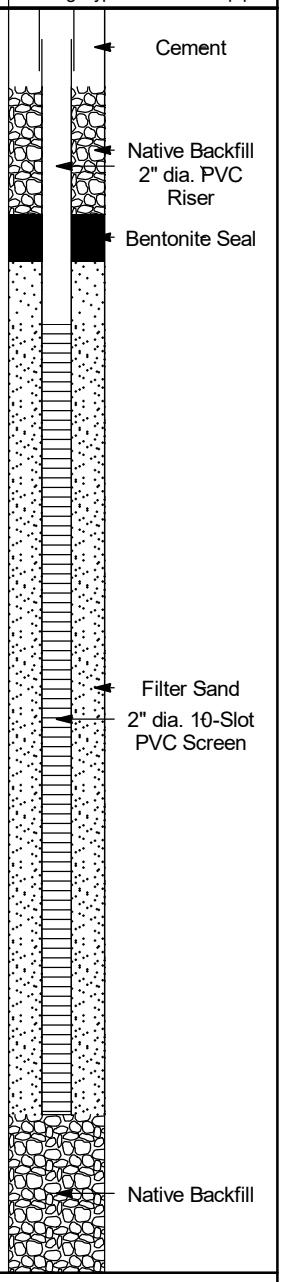
WELL NUMBER MW19-03U

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 6/26/19 **COMPLETED** 6/26/19
GROUND ELEVATION 110.65 ft AMSL **HOLE SIZE** 4 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD Drive & Wash
▽ **AT TIME OF DRILLING** 4.00 ft / Elev 106.65 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 91529
NOTES
EASTING (NH SP ft 1983) 1107285.497

DEPTH (ft)	RECOVERY %	BLOW COUNTS (N VALUE)	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0						Feet BGS	
						Samples collected every 5 feet with 2 foot samplers beginning at 4 feet bgs.	
4						4.0 ▽ 106.7	
6	55	SS 3-4-5-6 (9)		SP-SM		SAND, (SP-SM) Pale brown, fine grained, wet, loose, some silt 5.1 105.6 6.0 104.7	0
8							
10	50	SS 3-3-3 (6)	SB19-03 (9-11)	CL-ML		9.0 101.7 SILTY CLAY, (CL-ML) Light gray, saturated, soft, slight plasticity, some fine sand 10.0 100.7 11.0 99.7	0
12							
14						14.0 96.7	
16	60	SS 2-4-4-4 (8)		CL-ML		SILTY CLAY, (CL-ML) Light gray, saturated, low plasticity 15.2 95.5 16.0 94.7	0
						Bottom of borehole at 16.0 feet.	

WELL DIAGRAM

Casing Top Elev: 113.2 (ft)
Casing Type: Steel Standpipe



NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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WELL NUMBER MW19-04U

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 6/27/19 **COMPLETED** 6/27/19
GROUND ELEVATION 110.83 ft AMSL **HOLE SIZE** 4 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD Drive & Wash
▽ **AT TIME OF DRILLING** 9.00 ft / Elev 101.83 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 91746.13
NOTES
EASTING (NH SP ft 1983) 1107284.71

DEPTH (ft)	RECOVERY %	BLOW COUNTS (N VALUE)	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0						Feet BGS		Casing Top Elev: 113.31 (ft) Casing Type: Steel Standpipe
2						Samples collected every 5 feet with 2 foot samplers beginning at 4 feet bgs.		Cement
4						4.0 — 106.8		
6	70	SS 5-7-8-6 (15)		SM		SILT, (SM) Pale grayish brown, wet, soft, slight plasticity, some clay, little fine sand 5.4 — 105.4 6.0 — 104.8	0	Native Backfill
8						9.0 ▽ — 101.8		2" dia. PVC Riser
10	55	SS 1-2-2-2 (4)		SM		SAND, (SM) Pale grayish brown, fine grained, wet, very loose, some silt 10.1 — 100.7 11.0 — 99.8	0	
12								Bentonite Seal
14						14.0 — 96.8		
16	50	SS 2-2-2-2 (4)		SM		SAND, (SM) Pale grayish brown, fine grained, wet, very loose, some silt 15.0 — 95.8 16.0 — 94.8	0	
18								Filter Sand
20	50	SS 2-2-3-4 (5)	SB19-04 (19-21)	SM		19.0 — 91.8 SAND, (SM) Pale grayish brown, fine grained, wet, loose, some silt 20.0 — 90.8 21.0 — 89.8	0	2" dia. 10-Slot PVC Screen
22								
24						24.0 — 86.8		
26	45	SS 3-5-4-3 (9)		CL-ML		SILTY CLAY, (CL-ML) Very light brownish gray, saturated, soft, slight plasticity, some fine sand 24.9 — 85.9 26.0 — 84.8	0	Filter Sand Bentonite Seal
28								Native Backfill
30	55	SS 5-4-6-5 (10)		CL-ML		29.0 — 81.8 SILTY CLAY, (CL-ML) Very light brownish gray, saturated, soft, low plasticity, some fine sand 30.1 — 80.7 31.0 — 79.8	0	

Bottom of borehole at 31.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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WELL NUMBER MW19-05U

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

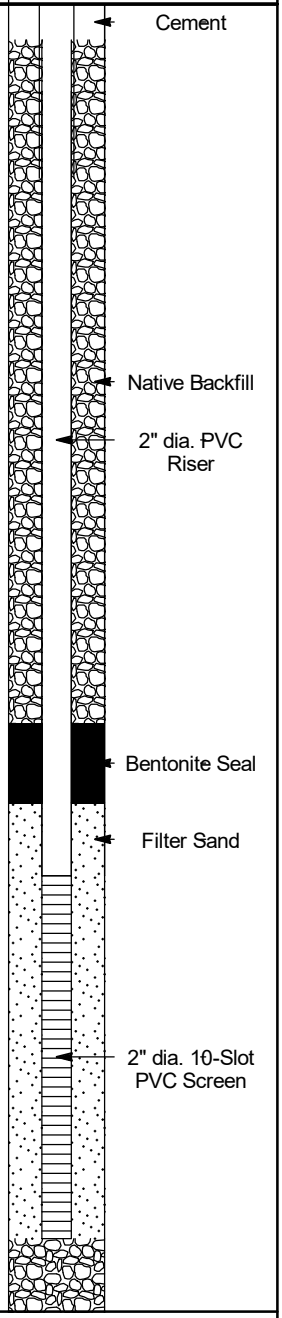
CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 6/27/19 **COMPLETED** 6/27/19
GROUND ELEVATION 112.03 ft AMSL **HOLE SIZE** 4 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD Drive & Wash
AT TIME OF DRILLING 9.00 ft / Elev 103.03 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 91893.31
NOTES
EASTING (NH SP ft 1983) 1107121.88

DEPTH (ft)	RECOVERY %	BLOW COUNTS (N VALUE)	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION	PID (ppm)
0								
							Samples collected every 5 feet with 2 foot samplers beginning at 4 feet bgs.	
2								
4						4.0		
	40	SS 5-8-8-8 (16)		SM		4.8	SAND, (SM) Light grayish brown, fine grained, moist, medium dense, some silt	0
6						6.0		
8						9.0 ▽		
10	50	SS 1-2-4-4 (6)		SM		10.0	SAND, (SM) Light grayish brown, fine grained, wet, loose, some silt	0
						11.0		
12						13.0		
14								
	45	SS 2-2-2-2 (4)		SM		14.9	SAND, (SM) Light grayish brown, fine grained, wet, loose, some silt	0
16						16.0		
18						19.0		
20	50	SS 2-2-2-3 (4)		SM		20.0	SAND, (SM) Light brown, fine grained, wet, loose, some silt	0
						21.0		
22								
24						24.0		
	50	SS 1-3-4-4 (7)		SM		25.0	SILTY SAND, (SM) Light gray, fine grained, wet, loose	0
26						26.0		
28						29.0		
30	55	SS 4-5-4-4 (9)	SB19-05 (29-31)	SM		30.1	SILTY SAND, (SM) Light gray, fine grained, wet, loose, some clay	0
						31.0		
32								
34						34.0		
	50	SS 6-6-7-8 (13)		CL-ML		35.0	SILTY CLAY, (CL-ML) Light gray, wet, medium plasticity	0
36						36.0		

Bottom of borehole at 36.0 feet.

WELL DIAGRAM

Casing Top Elev: 115.1 (ft)
Casing Type: Steel Standpipe



NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

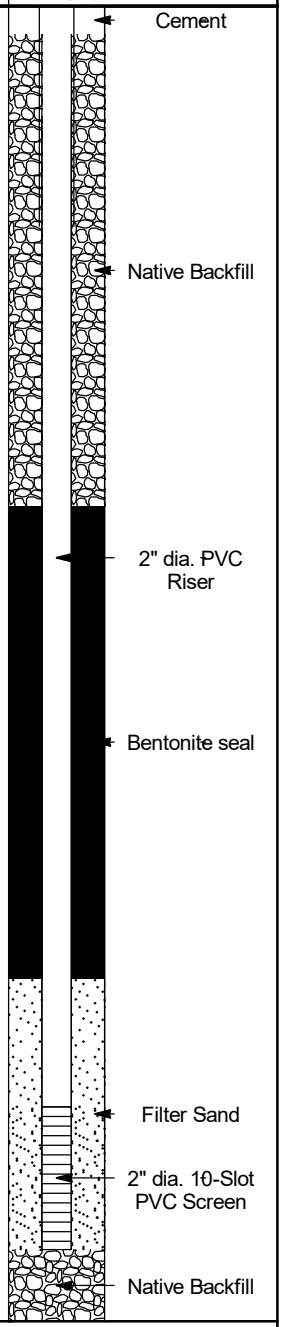
WELL NUMBER MW19-06L

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 6/28/19 **COMPLETED** 6/28/19
GROUND ELEVATION 112.93 ft AMSL **HOLE SIZE** 4 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD Drive & Wash
▽ **AT TIME OF DRILLING** 9.00 ft / Elev 103.93 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 91888.78
NOTES
EASTING (NH SP ft 1983) 1106973

DEPTH (ft)	RECOVERY %	BLOW COUNTS (N VALUE)	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0						Feet BGS	
						Samples collected every 5 feet with 2 foot samplers beginning at 4 feet bgs.	
4						4.0 — 108.9	
6	50	SS 3-5-6-6 (11)		SP-SM		SAND, (SP-SM) Light grayish brown, fine grained, moist to wet, medium dense, some silt — 5.0 — 107.9 — 6.0 — 106.9	0
8						9.0 ▽ — 103.9	
10	55	SS 2-3-4-5 (7)		SP-SM		SAND, (SP-SM) Light grayish brown, fine grained, wet, loose, some silt — 10.1 — 102.8 — 11.0 — 101.9	0
14						14.0 — 98.9	
16	25	SS 1-1-2-2 (3)		SP-SM		SAND, (SP-SM) Light grayish brown, fine grained, saturated, loose, some silt — 14.5 — 98.4 — 16.0 — 96.9	3.7
18						19.0 — 93.9	
20	40	SS 3-3-4-3 (7)		SM		SILTY SAND, (SM) Light brownish gray, fine grained, saturated, loose, odor — 19.8 — 93.1 — 21.0 — 91.9	1.7
24						24.0 — 88.9	
26	60	SS 3-5-6-6 (11)		CL-ML		SILTY CLAY, (CL-ML) Light gray, wet to moist, medium plasticity, odor — 25.2 — 87.7 — 26.0 — 86.9	15
28						29.0 — 83.9	
30	50	SS 5-10-12-12 (22)	SB19-06 (29-31)	CL-ML		SILTY CLAY, (CL-ML) Light gray, moist, medium plasticity, odor — 30.0 — 82.9 — 31.0 — 81.9	30.2
34						34.0 — 78.9	
36	20	SS 12-9-8-4 (17)		GP		GRAVEL, (GP) Light gray and, fine to coarse grained, wet, medium dense, some fine to coarse sand — 34.4 — 78.5 — 36.0 — 76.9	1.1
38						39.0 — 73.9	
40	0	SS 11-5-4-6 (9)				No recovery — 41.0 — 71.9	
44			SB19-06 (44-46)			44.0 — 68.9	
46	30	SS 6-1-2-4 (3)		SW		SAND, (SW) Light brown and gray, fine to coarse grained, wet, loose, and fine gravel — 44.6 — 68.3 — 46.0 — 66.9	0.5
						Bottom of borehole at 46.0 feet.	

WELL DIAGRAM

Casing Top Elev: 115.56 (ft)
Casing Type: Steel Standpipe



NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-09

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/9/19 **COMPLETED** 7/9/19
GROUND ELEVATION 110.82 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 5.00 ft / Elev 105.82 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 92335.41
NOTES
EASTING (NH SP ft 1983) 1106860.49

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0								
			SM		1.0	SAND, (SM) Dark brown, fine grained, dry, loose	109.8	0
2	50		SW		2.5	SAND, (SW) Light brown to brown, fine grained, dry to moist, loose, little gravel	108.3	0
4					5.0 ▽		105.8	
6	60		SP		6.5	SAND, (SP) Brown, fine grained, wet, loose	104.3	0
8			SP		8.0	SAND, (SP) Light orangeish brown to pale brown, fine to medium grained, saturated, loose	102.8	0
10					10.0		100.8	
12	75		SP		11.5	SAND, (SP) Light brown, fine to medium grained, wet, loose	99.3	0
14			SP		13.3	SAND, (SP) Pale brown to orangeish brown, fine to medium grained, wet, loose	97.6	0
16	100		SW		15.0	SAND, (SW) Light orangeish brown to pale brown, fine to coarse grained, wet, loose	95.8	0
18					19.0		91.8	0
20		SB19-09 (19-20)	SP		20.0	SAND, (SP) Pale brown to light orangeish brown, fine grained, wet, loose, orange at bottom	90.8	0.3

Bottom of borehole at 20.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-10

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/10/19 **COMPLETED** 7/10/19
GROUND ELEVATION 112.98 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 6.00 ft / Elev 106.98 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 92372.13
NOTES
EASTING (NH SP ft 1983) 1107134.25

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0								
	70	SB19-10 (0-1.75)	SM		0.5	SAND, (SM) dark brown, fine grained, dry, loose	112.5	25.2
			SP			SAND, (SP) light brown, fine grained, dry, loose, no odor, no staining		
2					1.8		111.2	
			SP			SAND, (SP) pale grayish brown, fine grained, dry, loose, no odor, no staining		0.2
4					3.5		109.5	
					5.0		108.0	
	64		SP		5.5	SAND, (SP) pale brown, fine to medium grained, moist	107.5	0.1
6			SP-SM		6.0 ▽	SAND, (SP-SM) pale brown, fine grained, moist, some silt	107.0	
						SILTY SAND, (SM) pale brown to light brown, fine grained, wet		0.1
			SM					
8					8.2		104.8	
10					10.0		103.0	
	100		CL-ML			SILTY CLAY, (CL-ML) light brown, wet to saturated, soft, medium plasticity		0.2
12								
								0.2
14								
					15.0		98.0	
	100	SB19-10 (17.5-20)	CL-ML			SILTY CLAY, (CL-ML) light grayish brown, saturated to wet, soft, medium plasticity		0.1
16								
18								0.1
20					20.0		93.0	

Bottom of borehole at 20.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-11

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/10/19 **COMPLETED** 7/10/19
GROUND ELEVATION 111.51 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 7.00 ft / Elev 104.51 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 92411.16
NOTES
EASTING (NH SP ft 1983) 1107010.68

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0			SM		0.5	SAND, (SM) Dark brown, fine grained, dry, loose	111.0	0.1
2	64		SP-SM		3.2	SAND, (SP-SM) Light brown, fine grained, dry, loose, some silt, little gravel	108.3	0
4					5.0		106.5	
6	55		SP		7.3 ▽	SAND, (SP) Light brown to pale brown, fine to medium grained, moist to wet, loose, low plasticity clay lense at 6 ft	104.3	0 0
8								
10					10.0		101.5	
12	44	SB19-11 (10-12.2)	SP		12.2	SAND, (SP) Pale brown, fine to medium grained, wet, loose	99.3	0.2
14					15.0		96.5	
16	36		SW		16.8	SAND, (SW) Light brown, fine to coarse grained, wet, loose, little rock fragments	94.7	0.1
18								
20					20.0		91.5	
22	40		SW		22.0	SAND, (SW) Light brown, fine to coarse grained, wet, loose, some rock fragments	89.5	0.1
24								
26	100		SP		25.0	SAND, (SP) Light brown, fine grained, saturated, loose	86.5	
28								
30					30.0		81.5	
32		SB19-11 (32-34)	SP			SAND, (SP) Light brown, fine to medium grained, wet, loose		0.6
34					34.0		77.5	0.6
					35.0		76.5	

Bottom of borehole at 35.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-12

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/10/19 **COMPLETED** 7/10/19
GROUND ELEVATION 110.07 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 5.00 ft / Elev 105.07 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 92414.73
NOTES
EASTING (NH SP ft 1983) 1106870.71

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0								
		SB19-12 (0-1.9)	SM		0.5	SAND, (SM) Dark brown, fine grained, dry, loose	109.6	1.9
2	76		SP			SAND, (SP) Light brown to grayish brown, fine grained, dry to moist, some gravel		0
4					3.8		106.3	
					5.0 ▽		105.1	
6			SP			SAND, (SP) Light brown, fine to medium grained, wet, loose		0
					6.8		103.3	
8	70		SP			SAND, (SP) Light brown, fine grained, wet, loose		0
					8.5		101.6	
10					10.0		100.1	
12	100	SB19-12 (12.5-15)	SM			SANDY SILT, (SM) Light orangeish brown, saturated		0
14								0
					15.0		95.1	
16	100		SP-SM			SAND, (SP-SM) Light orangeish brown, fine grained, saturated, some silt		0
18								0
20					20.0		90.1	
			SM		21.0	SANDY SILT, (SM) Light orangeish brown, saturated	89.1	0
22	100		CL-ML			SILTY CLAY, (CL-ML) Light orangeish brown, saturated, low plasticity		0
24					25.0		85.1	
26	100	SB19-12 (27.5-30)	CL-ML			SILTY CLAY, (CL-ML) Light grayish brown, saturated, medium plasticity		0
28								
30					30.0		80.1	0.1

Bottom of borehole at 30.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

BORING NUMBER SB19-13

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/10/19 **COMPLETED** 7/10/19
GROUND ELEVATION 113.42 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 6.50 ft / Elev 106.92 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 92291.25
NOTES
EASTING (NH SP ft 1983) 1107039.81

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0								
	60		SM		1.0	SAND, (SM) Dark brown, fine grained, dry, loose	112.4	0
2			SP		3.0	SAND, (SP) Pale brown to light brown, fine grained, dry, loose, some gravel	110.4	0.1
4					5.0		108.4	
6	50		SP		6.5 ▽	SAND, (SP) Pale brown to light brown, fine grained, dry, loose, some gravel	106.9	0.1
8			SP		7.5	SAND, (SP) Dark brown with very dark brown, fine grained, wet, loose, some gravel, thin silt lenses	105.9	0.2
10					10.0		103.4	
12	10	SB19-13 (10-10.5)	SP		10.5	SAND, (SP) Dark brown, fine to medium grained, wet, loose, some gravel	102.9	0.2
14					15.0		98.4	

Refusal at 15.0 feet.
Bottom of borehole at 15.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-14

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/11/19 **COMPLETED** 7/11/19
GROUND ELEVATION 113.4 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 6.00 ft / Elev 107.40 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 92295.34
NOTES No analytical sample collected.
EASTING (NH SP ft 1983) 1107090.05

DEPTH (ft)	RECOVERY %	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0		SM		0.2	SAND, (SM) Dark brown, fine grained, dry, loose, some crushed asphalt	113.2	1.1
					SAND, (SP-SM) Light brown and light orangeish brown, fine grained, dry, some silt		
2	64	SP-SM					0.8
				3.0		110.4	
4							
				5.0		108.4	
					SAND, (SP) Light brown and dark brown, fine grained, moist to wet, loose, little gravel, little clay		
6					▽		0.4
		SP					
	52			7.6		105.8	
8							
10				10.0		103.4	
					SAND, (SP) Light brown to pale brown, fine grained, wet, loose, little gravel		
		SP					0.8
	50			11.0		102.4	
12				12.0		101.4	

Refusal at 12.0 feet.
Bottom of borehole at 12.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-15

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/11/19 **COMPLETED** 7/11/19
GROUND ELEVATION 113.79 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
AT TIME OF DRILLING ---
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 92286.33
NOTES
EASTING (NH SP ft 1983) 1107095.3

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0								
			SP			SAND, (SP) Dark brown, fine grained, dry, loose		
					1.0		112.8	2.1
			SP			SAND, (SP) Pale brown to light brown, fine grained, dry, loose		
2								
	50				2.5		111.3	
4								
					5.0		108.8	
			SP		5.3	SAND, (SP) Light brown, fine grained, dry, loose	108.5	
			SP			SAND, (SP) Dark brown and light brown, fine to medium grained, moist to wet, loose, trace clay, some gravel		2.6
6					6.0		107.8	
8	20							
10					10.0		103.8	
		SB19-15 (10-11)	SP			SAND, (SP) Dark brown to light brown, fine grained, saturated, loose		0.4
					11.0		102.8	
12								
	20							
14								
					15.0		98.8	

Bottom of borehole at 15.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-16

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/11/19 **COMPLETED** 7/11/19
GROUND ELEVATION 113.33 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
AT TIME OF DRILLING ---
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 92289.89
NOTES
EASTING (NH SP ft 1983) 1107090.53

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0					Feet BGS	
			SP		SAND, (SP) Dark brown to light brown, fine grained, moist, loose	2.1
2	60					1.4
					3.0 — 110.3	
4						
					5.0 — 108.3	
			SP		SAND, (SP) Light brown to dark brown, fine grained, moist, loose, trace silt	
6						2
	60					1.8
8					8.0 — 105.3	
10					10.0 — 103.3	
			SP		SAND, (SP) Light brown, fine grained, moist, loose, little clay	1.5
					11.0 — 102.3	
12						
	20					
14						
					15.0 — 98.3	
					SAND, (SP) Light gray, fine grained, moist, loose	
16		SB19-16 (15-16.5)	SP			1.1
					16.5 — 96.8	
18	30					
20					20.0 — 93.3	

Bottom of borehole at 20.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-17

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/11/19 **COMPLETED** 7/11/19
GROUND ELEVATION 113.39 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 10.00 ft / Elev 103.39 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 92294.01
NOTES
EASTING (NH SP ft 1983) 1107087.43

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	Feet BGS		PID (ppm)
0					SAND, (SP) Light brown, fine grained, dry, loose, little gravel			1.8
2	60		SP					1.7
4						3.0	110.4	
					SAND, (SP) Light brown, fine grained, dry to moist, loose, trace gravel			1
6			SP					1
8	60					8.0	105.4	
10						10.0 ▽	103.4	
					SAND, (SP) Light brown, fine grained, wet, loose, some gravel			3.2
12	40		SP			12.0	101.4	
14								
						15.0	98.4	
16		SB19-17 (15-15.5)	SP		SAND, (SP) Light grayish brown, fine grained, saturated, loose, some gravel	15.5	97.9	2.2
18	10							
20						20.0	93.4	

Bottom of borehole at 20.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-18

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/11/19 **COMPLETED** 7/11/19
GROUND ELEVATION 113.49 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 11.00 ft / Elev 102.49 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 92298.14
NOTES
EASTING (NH SP ft 1983) 1107089.22

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0								
			SP			SAND, (SP) Light brown, fine grained, dry, loose, little gravel		0.6
2					2.0		111.5	
	40							
4								
					5.0		108.5	
						SAND, (SP) Light brown to dark brown, fine grained, dry, loose		
6			SP					1.3
	50				7.5		106.0	
8								
10					10.0		103.5	
						SAND, (SP) Light brown to light grayish brown, fine to medium grained, moist to wet, loose, some gravel, crushed rock at bottom		
		SB19-18 (11-11.5)	SP		▽			1.1
					11.5		102.0	
12								
	30							
14					14.0		99.5	
						Refusal at 14.0 feet. Bottom of borehole at 14.0 feet.		

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-19

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/11/19 **COMPLETED** 7/11/19
GROUND ELEVATION 113.22 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 10.00 ft / Elev 103.22 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 92296.72
NOTES
EASTING (NH SP ft 1983) 1107093.03

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0								
			SP			SAND, (SP) Light brown and pale brown, fine grained, dry, loose, some gravel		0.5
2								
	70							0.3
4					3.5		109.7	
					5.0		108.2	
6			SP			SAND, (SP) Light brown to dark brown, fine to medium grained, dry to moist, loose, some gravel, 2 inch gravel pocket at aprox. 5.5 ft bgs		0.2
8	80							0.2
					8.5		104.7	
			SP		9.0	SAND, (SP) Light gray, fine grained, moist, loose	104.2	
10					10.0 ▽		103.2	
						SAND, (SP) Light gray, fine grained, saturated to wet, loose		0.2
12			SP					
	60							0.3
14					13.0		100.2	
					15.0		98.2	
16						SAND, (SP) Light gray to dark brown, fine to medium grained, saturated, loose, little gravel		0.9
			SP					
18	80	SB19-19 (17-19)						0.9
					19.0		94.2	
20					20.0		93.2	

Bottom of borehole at 20.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-20

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/12/19 **COMPLETED** 7/12/19
GROUND ELEVATION 110.79 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 6.00 ft / Elev 104.79 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 92243.59
NOTES
EASTING (NH SP ft 1983) 1106813.01

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0								
			SP		1.1	SAND, (SP) Dark brown, fine to medium grained, moist, loose	109.7	0.1
2			SP		1.9	SAND, (SP) Brown, fine to medium grained, moist, loose	108.9	
	85		SP		3.5	SAND, (SP) Tan, fine grained, moist, loose	107.3	0.1
4			SP		4.3	SAND, (SP) Tan, fine grained, moist, medium dense, trace silt	106.5	
					5.0		105.8	
			SP		5.8	SAND, (SP) Tan, fine grained, moist, medium dense, trace silt	105.0	
6						▽ SAND, (SP) Gray, fine grained, wet, medium dense, trace silt		0.1
			SP					
8	80				8.0		102.8	
			SP		9.0	SAND, (SP) Gray, fine grained, wet, medium dense, little silt	101.8	0.1
10					10.0		100.8	
						SAND, (SP) Gray, fine grained, saturated, loose, trace silt		
			SP					0.1
12								
	90				12.8		98.0	
			SM			SILTY SAND, (SM) Tan, fine grained, saturated, medium dense		0.1
14					14.5		96.3	
					15.0		95.8	
						SILTY SAND, (SM) Tan, fine grained, saturated, medium dense		
16								0.1
18	46	SB19-20 (17.5-20)	SM					0.2
20					20.0		90.8	

Bottom of borehole at 20.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-21

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/12/19 **COMPLETED** 7/12/19
GROUND ELEVATION 111.23 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 8.00 ft / Elev 103.23 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 92145.14
NOTES
EASTING (NH SP ft 1983) 1106782.32

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0								
			SP			SAND, (SP) Dark brown, fine to medium grained, moist, loose		0.3
					1.5		109.7	
2			SP		2.0	SAND, (SP) Dark brown, fine to medium grained, moist, loose, 2 inch layer of gravel	109.2	
	60		SP			SAND, (SP) Dark tan, fine grained, moist, loose		0.3
					3.0		108.2	
4								
					5.0		106.2	
			SP			SAND, (SP) Dark brown, fine grained, moist, loose, trace silt		
6		SB19-21 (5-7)			6.5		104.7	0.3
			SW		7.0	GRAVELLY SAND, (SW) Light gray, fine to coarse grained, dry, loose, and gravel	104.2	
						SAND, (SP) Gray, fine grained, moist, dense, little silt		
8	80		SP		▽			0.3
					9.0		102.2	
10					10.0		101.2	
			SP			SAND, (SP) Gray, fine grained, saturated, medium dense, little silt, trace clay		0.2
					11.0		100.2	
12						SAND, (SP) Light brown, fine grained, saturated, dense, little clay, some silt		
	80		SP					0.3
14					14.0		97.2	
					15.0		96.2	

Bottom of borehole at 15.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-22

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/12/19 **COMPLETED** 7/12/19
GROUND ELEVATION 110.2 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 8.00 ft / Elev 102.20 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 92173.11
NOTES
EASTING (NH SP ft 1983) 1106788.62

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0			SP		0.5	SAND, (SP) Brown, fine to medium grained, moist, loose	109.7	
2	50		SW		2.5	SAND, (SW) Brown, fine to coarse grained, moist, loose, little coarse gravel, ~2" layer of gravel with course sand at top	107.7	0.6
4					5.0		105.2	
6	100	SB19-22 (5-7.5)	SP		6.0	SAND, (SP) Gray, fine to medium grained, saturated, medium dense, little silt	104.2	1
8			SP	▽		SAND, (SP) Gray, fine to medium grained, moist, medium dense, trace silt		0.3
10					10.0		100.2	
12	100		SP			SAND, (SP) Gray, fine grained, saturated, dense, little silt		0.5
14			SP-SM		13.0	SAND, (SP-SM) Light brown, fine grained, saturated, dense, some silt, little clay	97.2	0
					15.0		95.2	

Bottom of borehole at 15.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-23

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/12/19 **COMPLETED** 7/12/19
GROUND ELEVATION 111.75 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 9.00 ft / Elev 102.75 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 92100.45
NOTES
EASTING (NH SP ft 1983) 1106796.66

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0			SP		0.5	SAND, (SP) Dark Brown, medium to coarse grained, moist, loose	111.3	
2	60		SP		3.0	SAND, (SP) Brown, fine to medium grained, moist, loose, little gravel, ~2" layer of asphalt at bottom	108.8	1 0.5
4					5.0		106.8	
6	80	SB19-22 (7-9)	SP		5.5	SAND, (SP) Brown, fine to medium grained, moist, loose, little gravel, ~1" layer of gravel at bottom	106.3	1.5
8			SP		8.0	SAND, (SP) Tan, medium to coarse grained, moist, loose	103.8	1.8
10			SP		9.0 ▽	SAND, (SP) Dark brown, fine grained, moist to wet, medium dense, little gravel, odor	102.8	
12	100		SP		10.0	SAND, (SP) Dark brown, fine grained, wet to saturated, medium dense, little gravel, odor	101.8	1.8
14			SP-SM		13.5	SAND, (SP-SM) Gray, fine grained, saturated, dense, some silt, little clay, some streaks of orange at top of layer	98.3	1.6
					15.0		96.8	

Bottom of borehole at 15.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-24

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/12/19 **COMPLETED** 7/12/19
GROUND ELEVATION 112.07 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 7.50 ft / Elev 104.57 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 92050.89
NOTES
EASTING (NH SP ft 1983) 1106822.33

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0			SP		0.5	SAND, (SP) Dark brown, fine grained, moist, loose	111.6	
2	70		SP			SAND, (SP) Dark brown, fine grained, moist, loose to medium dense		0.4
								0.3
4					3.5		108.6	
					5.0		107.1	
6	80	SB19-24 (7-9)	SP			SAND, (SP) Dark brown, fine grained, moist to wet, loose		4.6
					7.5 ▽		104.6	
8			SP			SAND, (SP) Dark brown, fine grained, wet, medium dense, little silt, odor		11.4
					9.0		103.1	
10					10.0		102.1	
12	100		SP-SM			SAND, (SP-SM) Dark brown, fine grained, wet to saturated, medium dense, some silt, little clay, odor		7.2
					13.0		99.1	
14			SC-SM			SILTY SAND, (SC-SM) Gray to light brown, fine grained, saturated, medium dense to dense, some clay		2.5
					15.0		97.1	

Bottom of borehole at 15.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-25

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/12/19 **COMPLETED** 7/12/19
GROUND ELEVATION 111.7 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 9.00 ft / Elev 102.70 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 92157.08
NOTES
EASTING (NH SP ft 1983) 1106904.77

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION		PID (ppm)
0					Feet BGS		
2	80		SP		SAND, (SP) Brown to light tan, fine to medium grained, moist, loose, trace silt, little gravel, ~2" orange streaks at ~2.5 ft bgs		0
4					4.0	107.7	1
					5.0	106.7	
6	100		SP		SAND, (SP) Tan, fine grained, moist to wet, loose to medium dense, trace silt		0.7
8					▽		
10					10.0	101.7	0.5
12	100		SP		SAND, (SP) Tan to brown, fine grained, wet, medium dense to dense, trace silt, ~3" orange streaks at ~15 ft bgs		0.6
14		SB19-25 (12.5-15)			15.0	96.7	1
					Bottom of borehole at 15.0 feet.		

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-26

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/15/19 **COMPLETED** 7/15/19
GROUND ELEVATION 112.01 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 9.00 ft / Elev 103.01 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 91765.82
NOTES
EASTING (NH SP ft 1983) 1106981.65

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION	PID (ppm)
0							
			SP			SAND, (SP) Brown to dark brown, fine to medium grained, moist, loose to medium dense, little gravel	0.3
					1.5	110.5	
2						SAND, (SP) Brown to dark tan, fine to medium grained, moist, medium dense, trace silt	
	80		SP				0.2
4					4.0	108.0	
					5.0	107.0	
			SP			SAND, (SP) Brown to dark brown, fine to medium grained, moist, loose, little silt	
6					6.0	106.0	5
						SAND, (SP) Tan to gray, fine grained, moist to wet, loose to medium dense, trace silt	
	80		SP				
8							204.3
					9.0 ▽	103.0	
10					10.0	102.0	
						SAND, (SP-SM) Gray to dark, fine grained, saturated, medium dense, some silt, odor	
		SB19-26 (10-12.5)	SP-SM				684.8
12							
	100						
					13.5	98.5	
14						SAND, (SP-SC) Gray to dark, fine grained, saturated, medium dense, little silt, some clay	53.2
			SP-SC				
					15.0	97.0	

Bottom of borehole at 15.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

BORING NUMBER SB19-27

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/15/19 **COMPLETED** 7/15/19
GROUND ELEVATION 111.65 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 13.00 ft / Elev 98.65 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 91724.92
NOTES
EASTING (NH SP ft 1983) 1106975.86

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0				Feet BGS		
2	60		SP		SAND, (SP) Dark brown to dark tan, fine to medium grained, moist, loose to medium dense, little gravel	0
4						0
					3.0 — 108.7	
					5.0 — 106.7	
6	100		SP		SAND, (SP) Gray, fine to medium grained, moist, medium dense, trace silt	0
8						
10						0.3
					10.0 — 101.7	
12	60	SB19-27 (11.5-13)	SP		SAND, (SP) Gray, fine to medium grained, moist to wet, medium dense, trace silt	13.7
14						47.7
					13.0 ▽ — 98.7	
					15.0 — 96.7	
16	100		SP-SM		15.5 SAND, (SP-SM) Gray, fine grained, saturated, medium dense, some silt — 96.2	4.7
18			CL-ML		SILTY CLAY, (CL-ML) Gray, saturated, medium stiff, medium plasticity, odor	1.6
20					20.0 — 91.7	

Bottom of borehole at 20.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-28

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/15/19 **COMPLETED** 7/15/19
GROUND ELEVATION 112.23 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
AT TIME OF DRILLING ---
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 91746.67
NOTES
EASTING (NH SP ft 1983) 1106935.29

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0								
			SP		1.0	SAND, (SP) Dark brown, fine grained, moist, loose to medium dense, little silt	111.2	15.7
2	70	SB19-28 (1.75-3.5)	SP		3.5	SAND, (SP) Brown to gray, fine to medium grained, moist, loose to medium dense	108.7	101.4
4					5.0		107.2	
			SP		5.5	SAND, (SP) Dark orange, fine to medium grained, moist, loose, odor	106.7	
6	80		SP-SC		7.5	SAND, (SP-SC) Gray, fine to medium grained, wet, medium dense to dense, some clay, little silt, odor	104.7	32.6
8			SW		9.0	GRAVELLY SAND, (SW) Dark brown to, medium to coarse grained, wet, loose	103.2	2.4
10					10.0		102.2	
12	80	SB19-28 (10-12)	SW		14.0	GRAVELLY SAND, (SW) Dark brown to, medium to coarse grained, wet, loose	98.2	3.9
14					15.0		97.2	5

Bottom of borehole at 15.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-29

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/15/19 **COMPLETED** 7/15/19
GROUND ELEVATION 111.03 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 9.00 ft / Elev 102.03 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 91662.46
NOTES
EASTING (NH SP ft 1983) 1106971

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0								
			SP		1.0	SAND, (SP) Dark brown, fine to medium grained, moist, loose, little gravel	110.0	
2	60		SP		3.0	SAND, (SP) Brown to tan, fine to medium grained, moist, loose to medium dense, trace silt, orange staining at ~2 ft bgs	108.0	0
4					5.0		106.0	
			SP		5.5	SAND, (SP) Tan, fine to medium grained, moist, medium dense, little silt	105.5	
6	90		SP			SAND, (SP) Gray, fine grained, moist to wet, medium dense to dense, little silt, trace clay, small clay lense at ~7 ft bgs		0
8								0
					9.0 ▽		102.0	
10					10.0		101.0	
			SP		11.0	SAND, (SP) Dark gray, fine grained, wet, medium dense, little silt, trace clay	100.0	1.8
12	90	SB19-29 (12.25-14.5)	SP-SM		11.5	SAND, (SP-SM) Gray, fine grained, wet to saturated, medium dense, some silt, trace clay	99.5	43.7
14					14.0		97.0	
			SP-SC		14.5	SAND, (SP-SC) Gray, fine grained, saturated, medium dense to dense, trace silt, some clay	96.5	
16	80		CL-ML		15.0	SILTY CLAY, (CL-ML) Gray, saturated, medium plasticity, some silt, little sand	96.0	2.3
18								2.8
					19.0		92.0	
20					20.0		91.0	

Bottom of borehole at 20.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-30

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/15/19 **COMPLETED** 7/15/19
GROUND ELEVATION 111.52 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 5.00 ft / Elev 106.52 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 91633.12
NOTES
EASTING (NH SP ft 1983) 1106979.9

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0						SAND, (SW) Dark brown, fine to coarse grained, moist, loose, some gravel		0
2			SW		2.0		109.5	
			GP		2.5	GRAVEL, (GP) White, fine to medium grained, dry, loose, crushed cement ~2.5 ft bgs	109.0	0.1
			SP-SM		3.0	SAND, (SP-SM) Tan, fine to medium grained, wet, medium dense, some silt	108.5	
4					5.0 ▽		106.5	
6						SAND, (SP-SM) Gray, fine grained, wet to saturated, medium dense to dense, some silt, trace clay		0
8	100		SP-SM					0.1
10					10.0		101.5	
						SAND, (SP-SM) Gray to dark gray, fine grained, saturated, dense, some silt, trace clay		0.6
12								
	100		SP-SM					3.1
14		SB19-30 (12.5-15)			15.0		96.5	
						SILTY CLAY, (CL-ML) Gray, saturated, medium plasticity, some silt, little fine sand		0.7
16								
			CL-ML					
18	80							1.9
					19.0		92.5	
20					20.0		91.5	

Bottom of borehole at 20.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-31

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/15/19 **COMPLETED** 7/15/19
GROUND ELEVATION 111.8 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 9.00 ft / Elev 102.80 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 91626.81
NOTES
EASTING (NH SP ft 1983) 1106952.61

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0								
			SP			SAND, (SP) Tan, fine to medium grained, moist, loose, trace silt		0.1
2	80				2.0		109.8	
			SP			SAND, (SP) Dark brown, fine to medium grained, moist, medium dense		0.1
4					4.0		107.8	
					5.0		106.8	
6			SP		6.0	SAND, (SP) Dark brown, fine to medium grained, moist, medium dense	105.8	0.3
			SP-SM			SAND, (SP-SM) Gray to blackish gray, fine to medium grained, moist to wet, medium dense to dense, some silt		
8	100					▽		0.4
10					10.0		101.8	
			SP-SM			SAND, (SP-SM) Gray to blackish gray, fine grained, saturated, dense, some silt, trace clay		0.1
12								
	100							0.6
14					15.0		96.8	
			SP-SM			SAND, (SP-SM) Gray, fine grained, saturated, medium dense, some silt		0.3
16								
	100							0.9
18								
20					20.0		91.8	
		SB19-31 (20-22)	SP-SM		22.0	SAND, (SP-SM) Gray, fine grained, saturated, medium dense, some silt	89.8	3.6
22								
	80		SP-SC			SAND, (SP-SC) Gray, fine grained, saturated, dense, some clay		0.9
24					24.0		87.8	
					25.0		86.8	

Bottom of borehole at 25.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-32

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/15/19 **COMPLETED** 7/15/19
GROUND ELEVATION 111.4 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 8.00 ft / Elev 103.40 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 91650.95
NOTES
EASTING (NH SP ft 1983) 1106943.55

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0								
			SW			SAND, (SW) Tan, fine to coarse grained, moist, loose, some gravel		0
2	80				3.0		108.4	0.1
			SP			SAND, (SP) Tan, fine to medium grained, moist, medium dense		
4					4.0		107.4	
					5.0		106.4	
6	100		SP-SM			SAND, (SP-SM) Tan, fine grained, moist, medium dense, some silt		0
8					8.0 ▽		103.4	
			SP-SC			SAND, (SP-SC) Gray, fine grained, wet, dense, little silt, some clay		0.2
10					9.0		102.4	
					10.0		101.4	
12	80		SP-SM			SAND, (SP-SM) Blackish gray to gray, fine grained, saturated, medium dense, some silt		0.1
14					14.0		97.4	0.1
					15.0		96.4	
16	80	SB19-32 (17-19)	SP-SM			SAND, (SP-SM) Blackish gray to gray, fine grained, saturated, medium dense, some silt		2.8
18					19.0		92.4	5.8

Refusal at 19.0 feet.
Bottom of borehole at 19.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-33

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/16/19 **COMPLETED** 7/16/19
GROUND ELEVATION 111.46 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 6.00 ft / Elev 105.46 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 91643.4
NOTES
EASTING (NH SP ft 1983) 1106961.45

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0								
			SP		1.5	SAND, (SP) Brown, fine to medium grained, moist, loose, some gravel	110.0	0.2
2	80		SW		3.0	GRAVELLY SAND, (SW) Black, fine to coarse grained, dry, loose, crushed asphalt	108.5	0.1
4			SP		4.0	SAND, (SP) Tan, fine to medium grained, wet, loose to medium dense, little silt	107.5	
					5.0		106.5	
6	100		SP-SM			SAND, (SP-SM) Tan to gray, fine grained, wet, medium dense, some silt ▽		0
8					9.0		102.5	0
10			SP		10.0	SAND, (SP) Blackish gray, fine grained, wet to saturated, medium dense, trace clay, little silt	101.5	
12	70		SP-SM		13.5	SAND, (SP-SM) Blackish gray, fine grained, saturated, medium dense, little clay, some silt, clay lense at ~10 ft bgs	98.0	0 0.1
14					15.0		96.5	
16	90	SB19-33 (15-17.25)	SP-SC		19.5	SAND, (SP-SC) Blackish gray, fine grained, saturated, medium dense, some clay, little silt, odor, clay begins at ~19 ft bgs	92.0	15.7 5.6
18								
20					20.0		91.5	
22	60		CL-ML		23.0	SILTY CLAY, (CL-ML) Gray, fine grained, saturated, medium plasticity, some silt, little fine sand	88.5	0.5 1.2
24					25.0		86.5	

Bottom of borehole at 25.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-34

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/16/19 **COMPLETED** 7/16/19
GROUND ELEVATION 111.6 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 5.00 ft / Elev 106.60 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 91670
NOTES
EASTING (NH SP ft 1983) 1107153.97

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0								
			SP		0.5	SAND, (SP) Dark brown, fine to medium grained, moist, loose	111.1	0.4
2	80		SP			SAND, (SP) Orangeish brown to tan, fine to medium grained, moist to wet, loose to medium dense, trace silt		0
4					4.0		107.6	
					5.0 ▽		106.6	
6			SP		6.5	SAND, (SP) Brown, fine to medium grained, moist to wet, medium dense, trace silt	105.1	0.1
8	100		SP-SM			SAND, (SP-SM) Blackish gray, fine grained, wet, medium dense, trace clay, some silt, clay lense at ~10 ft bgs		0.1
10					10.0		101.6	
12	100		SP-SM			SAND, (SP-SM) Blackish gray, fine grained, wet to saturated, medium dense, some silt		0.1
14								0.1
16					15.0		96.6	
18	80		SP-SM			SAND, (SP-SM) Gray, fine grained, saturated, medium dense to dense, some silt, odor		0.8
20					19.0		92.6	1.6
					20.0		91.6	
22	100	SB19-34 (20-22.5)	SP-SM			SAND, (SP-SM) Gray, fine grained, saturated, dense, some silt		2.7
24								0.6
26					25.0		86.6	
28	100		SP-SM			SAND, (SP-SM) Gray, fine grained, saturated, dense, some silt		0.2
					28.5		83.1	0.4
30			CL-ML			SILTY CLAY, (CL-ML) Gray, saturated, medium plasticity, little fine sand, some silt		
					30.0		81.6	

Bottom of borehole at 30.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

BORING NUMBER SB19-35

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/16/19 **COMPLETED** 7/16/19
GROUND ELEVATION 111.26 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 5.00 ft / Elev 106.26 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 91692.84
NOTES
EASTING (NH SP ft 1983) 1107150.51

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0			SP		0.7	SAND, (SP) Dark brown, fine to medium grained, moist, loose	110.6	1.3
2	80		SP			SAND, (SP) Brown to tan, fine to medium grained, moist to wet, loose to medium dense, trace silt		0.9
4					4.0		107.3	
					5.0 ▽		106.3	
6	100		SP-SM			SAND, (SP-SM) Gray, fine grained, saturated, dense, some silt		0.8
8								0.7
10					10.0		101.3	
12	90		SP-SM			SAND, (SP-SM) Gray, fine grained, saturated, dense, some silt		1
14								0.8
					14.5		96.8	
					15.0		96.3	
16	90		SP-SM			SAND, (SP-SM) Gray, fine grained, saturated, dense, some silt, ~2" Clay lense at ~18 ft bgs		1.8
18								0.8
20					19.5		91.8	
22	90	SB19-35 (22.25-24.5)	SP-SM			SAND, (SP-SM) blackish Gray, fine grained, saturated, dense, some silt		4.2
24								4.4
					24.5		86.8	
26	90		SP-SM			SAND, (SP-SM) Gray, fine grained, saturated, dense, trace clay, some silt, ~2" of clay at bottom		1.1
28								1.7
30					29.5		81.8	
					30.0		81.3	
32	80		CL-ML			SILTY CLAY, (CL-ML) Gray, fine grained, saturated, medium plasticity, little fine sand, some silt		0.4
34								0.4
					34.0		77.3	
					35.0		76.3	

Bottom of borehole at 35.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-36

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/16/19 **COMPLETED** 7/16/19
GROUND ELEVATION 112.18 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 5.00 ft / Elev 107.18 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 91723.5
NOTES
EASTING (NH SP ft 1983) 1107107.93

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0			SM		0.4	SAND, (SM) Brown, fine to medium grained, moist, loose, some silt	111.8	0.5
			SP-SM		1.6	SAND, (SP-SM) Dark brown to brown, fine to medium grained, moist, loose, little gravel	110.6	
2	32							
4					5.0 ▽		107.2	
6			SP-SM			SAND, (SP-SM) Gray, fine grained, saturated, dense, some silt, little clay		0.5
8	100							0.4
10					10.0		102.2	
			SP-SM			SAND, (SP-SM) Blackish gray, fine grained, saturated, medium dense, some silt		2.1
12	90							0.3
14					14.5		97.7	
					15.0		97.2	
16			SP-SM			SAND, (SP-SM) Gray, fine grained, saturated, medium dense, some silt, little clay		3.1
18	70	SB19-36 (16.75-18.5)						4.8
					18.5		93.7	
20					20.0		92.2	
			SP-SM			SAND, (SP-SM) Blackish gray, fine grained, saturated, dense, some silt		1.1
22	84							1.3
24					24.2		88.0	
					25.0		87.2	
26			SP-SM			SAND, (SP-SM) Blackish gray, fine grained, saturated, dense, some silt		0.2
28	100							
					29.3		82.9	0.2
30			SP-SC		30.0	CLAYEY SAND, (SP-SC) Gray to light brown, fine grained, saturated, medium dense to dense, little silt	82.2	
						Bottom of borehole at 30.0 feet.		

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-37

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/17/19 **COMPLETED** 7/17/19
GROUND ELEVATION 110.65 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 5.00 ft / Elev 105.65 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 91761.46
NOTES
EASTING (NH SP ft 1983) 1107085.99

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0								
			SP-SM		0.5	SAND, (SP-SM) Dark brown, fine grained, dry, loose, some silt	110.2	0.4
2	70		SP-SM			SAND, (SP-SM) Light brown to pale brown, fine grained, dry to moist, loose, some silt		0.2
4					3.5		107.2	
					5.0 ▽		105.7	
6			SP-SM			SAND, (SP-SM) Light brownish gray, fine grained, saturated, loose, some silt		0.3
8	100		SP		7.0	SAND, (SP) Light orangeish brown to light brownish gray, fine to medium grained, wet, little silt, ~3" of orange at ~7ft bgs	103.7	0.2
10					10.0		100.7	
			SP		11.5	SAND, (SP) Light brownish gray, fine to medium grained, wet, little silt, odor	99.2	428.9
12	100		SP-SC		13.0	SAND, (SP-SC) Light brownish gray, fine grained, saturated, some clay, odor	97.7	192.4
14		SB19-37 (13-15)	SP		15.0	SAND, (SP) Light brownish gray, fine to medium grained, wet, little silt, odor	95.7	525.9
16						SAND, (SP) Light brownish gray, fine to medium grained, wet, little silt, odor		36.3
18	100		SP					26.6
20					20.0		90.7	
			SP		20.5	SAND, (SP) Light brownish gray, fine to medium grained, wet, little silt, odor	90.2	2.3
22	100		SP-SC		21.5	SAND, (SP-SC) Light brownish gray, fine grained, saturated, some clay, odor	89.2	
24			SP		25.0	SAND, (SP) Light brownish gray, fine to medium grained, wet, little silt, odor	85.7	0.7
26			CL-ML			SILTY CLAY, (CL-ML) Light brownish gray, saturated, medium plasticity		0.4
28	70				28.5		82.2	0.5
30					30.0		80.7	

Bottom of borehole at 30.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-38

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/17/19 **COMPLETED** 7/17/19
GROUND ELEVATION 112.21 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 5.00 ft / Elev 107.21 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 91666.1
NOTES
EASTING (NH SP ft 1983) 1107014.91

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0								
			SP-SM		1.0	SAND, (SP-SM) Dark brown, fine grained, dry, loose, some silt, crushed rock at bottom	111.2	0.7
2			SP-SM		2.0	SAND, (SP-SM) Light orange, fine grained, dry to moist, loose, some silt	110.2	
	90		SP		3.0	SAND, (SP) Light grayish brown, fine grained, dry to moist, loose, little silt	109.2	0.7
4			SP		4.5	SAND, (SP) Dark to light brownish gray, fine to medium grained, moist, little silt	107.7	
					5.0 ▽		107.2	
6			SP			SAND, (SP) Light brownish gray, fine to medium grained, wet, little silt, odor		0.2
8	100							0.4
10					10.0		102.2	
12			SP			SAND, (SP) Light brownish gray, fine to medium grained, saturated to wet, little silt, odor		0.8
	100				13.5		98.7	0.7
14			SP-SM		14.8	SAND, (SP-SM) Dark gray, fine grained, wet, loose, some silt, odor	97.5	
			CL-ML		15.0	SILTY CLAY, (CL-ML) Dark gray, moist, low plasticity, odor	97.2	
16						SAND, (SP) Dark gray to light gray, fine grained, moist, loose, some silt, odor, some spots of dark gray throughout sleeve		4.9
18	100	SB19-38 (17.5-20)	SP					29.9
20					20.0		92.2	
22			CL-ML			SILTY CLAY, (CL-ML) Light brownish gray, saturated, medium plasticity, odor		4
	80							1.1
24					24.0		88.2	
					25.0		87.2	

Bottom of borehole at 25.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

BORING NUMBER SB19-39

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/17/19 **COMPLETED** 7/17/19
GROUND ELEVATION 111.65 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 6.00 ft / Elev 105.65 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 91697.16
NOTES
EASTING (NH SP ft 1983) 1107060.73

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0								
			SP-SM		1.0	SAND, (SP-SM) Dark brown, fine grained, dry, loose, little gravel, crushed rock in middle	110.7	0.3
2	80		SP-SM			SAND, (SP-SM) Light brown with light orange, fine grained, dry to moist, loose, some silt, a few thin layers of orange		0.2
4					4.0		107.7	
					5.0		106.7	
6						▽ SAND, (SP-SM) Light brown with light gray, fine grained, moist to wet, loose, some silt, odor, a few thin layers of orange, black silty lenses at ~ 7.5 and 8.5 ft bgs with odor (~2-3" thick)		0.4
8	100		SP-SM					0.4
10					10.0		101.7	
						SAND, (SP-SM) Light grayish brown to light gray, fine grained, wet, loose, some silt, odor		0.4
12	100		SP-SM					0.5
14					15.0		96.7	
16			SP-SM		16.0	SAND, (SP-SM) Light grayish brown, fine grained, wet, loose, some silt, odor	95.7	1.7
			CL-ML		17.0	SILTY CLAY, (CL-ML) Light gray, saturated, low plasticity, odor	94.7	
18	80	SB19-39 (17-19)	SP-SM			SAND, (SP-SM) Gray, fine grained, saturated, loose, some silt, odor		17.7
20					19.0		92.7	
					20.0		91.7	
22	100		SP-SM			SAND, (SP-SM) Light gray, fine grained, saturated, loose, some silt, odor, silty clay in tip		1.9
24								2.9
					25.0		86.7	
26						SILTY CLAY, (CL-ML) Light brownish gray, wet, medium plasticity		12.3
28	100		CL-ML					2.8
30					30.0		81.7	

Bottom of borehole at 30.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-40

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/17/19 **COMPLETED** 7/17/19
GROUND ELEVATION 112.14 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 5.00 ft / Elev 107.14 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 91720.57
NOTES
EASTING (NH SP ft 1983) 1107031.14

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0								
	80		SP-SM		0.5	SAND, (SP-SM) Dark brown, fine grained, dry, loose, some silt, little gravel	111.6	0.5
			SP-SM		1.5	SAND, (SP-SM) Light brown and light grayish brown, fine grained, dry, loose, some silt	110.6	
2			SP-SM		2.0	SAND, (SP-SM) Dark brown, fine grained, dry, loose, some silt, odor	110.1	
			SP-SM			SAND, (SP-SM) Light brown and pale brown, fine grained, dry to moist, loose, some silt		0.3
4					4.0		108.1	
					5.0 ▽		107.1	
6	100		SP-SM			SAND, (SP-SM) Light brown to light brownish gray, fine grained, wet, loose, some silt, little clay, odor, ~8-9 ft bgs darker gray		0.6
8								0.8
10					10.0		102.1	
12	100		SP-SM			SAND, (SP-SM) Light brownish gray, fine grained, saturated, loose, some silt		0.9
14								2.3
					15.0		97.1	
16			SP-SM		16.0	SAND, (SP-SM) Light gray, fine grained, saturated, loose, some silt	96.1	4.7
			SP-SC		17.0	CLAYEY SAND, (SP-SC) Light gray, fine grained, saturated, loose	95.1	
18	100		SP-SM			SAND, (SP-SM) Light gray, fine grained, saturated, loose, some silt		15.3
20					20.0		92.1	
			SP-SM		20.5	SAND, (SP-SM) Light gray, fine grained, saturated, loose, some silt	91.6	29
22						SILTY CLAY, (CL-ML) Light brownish gray, wet, medium plasticity, odor		
	80	SB19-40 (22-24)	CL-ML					98.6
24					24.0		88.1	
						Bottom of borehole at 24.0 feet.		

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-41

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/17/19 **COMPLETED** 7/17/19
GROUND ELEVATION 111.34 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 5.00 ft / Elev 106.34 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 91753.31
NOTES
EASTING (NH SP ft 1983) 1107141.94

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0			SM		0.5	SILTY SAND, (SM) Dark brown, fine grained, dry, loose	110.8	0.4
			SP		1.5	SAND, (SP) Light brown, fine grained, dry	109.8	
2	30							
4					5.0 ▽		106.3	
6			SP-SM			SAND, (SP-SM) Light brownish gray, fine grained, wet, medium dense, some silt		0.6
8	100							0.8
10					10.0		101.3	
12		SB19-41 (10-12.5)	SP-SM			SAND, (SP-SM) Light brownish gray, fine grained, wet, medium dense, some silt		1.4
14	100							1.2
					15.0		96.3	
16			SC			CLAYEY SAND, (SC) Light grayish brown, fine grained, saturated, loose		0.8
18	100				18.3		93.1	0.7
20			SP-SM			SAND, (SP-SM) Light brownish gray, fine grained, saturated, medium dense, some silt		
					20.0		91.3	
22			SP-SM			SAND, (SP-SM) Light brownish gray, fine grained, saturated, medium dense, some silt		0.2
24	100							0.3
					25.0		86.3	
26			SP-SM			SAND, (SP-SM) Light brownish gray, fine grained, saturated, loose, some silt, little clay		0.3
28	100							0.2
30					30.0		81.3	
32			CL-ML			SILTY CLAY, (CL-ML) Light brownish gray, wet, medium plasticity		0.3
34	100	SB19-41 (32.5-35)						0.2
					35.0		76.3	

Bottom of borehole at 35.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-42

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/18/19 **COMPLETED** 7/18/19
GROUND ELEVATION 111.05 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 5.00 ft / Elev 106.05 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 91785.69
NOTES
EASTING (NH SP ft 1983) 1107122.86

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0			SM		0.8	SILTY SAND, (SM) Dark brown to brown, fine grained, moist, loose	110.3	2.2
2	40		SP-SM		2.0	SAND, (SP-SM) Light brown to pale brown, fine grained, moist, some silt	109.1	
4					5.0 ▽		106.1	
6	100		SM			SILTY SAND, (SM) Light brown, fine grained, saturated, loose, higher silt content around 7-8 ft bgs		3
8								3.1
10					10.0		101.1	
12	100	SB19-42 (12.5-15)	SM			SILTY SAND, (SM) Light brown, fine grained, saturated, loose		2.2
14			SC-SM		13.0	SILTY CLAY, (SC-SM) Light brown, fine grained, saturated, slight plasticity, some fine sand	98.1	4.1
16	90		SM		15.0	SILTY SAND, (SM) Light brown, fine grained, saturated, loose	96.1	3.6
18								3.3
20					20.0		91.1	
22	0					Sleeve stuck, minimal sample recovered		
24					25.0		86.1	
26	100		SM			SILTY SAND, (SM) Light gray, fine grained, wet, medium dense		2.4
28								3.1
30					30.0		81.1	
32	100		CL-ML			SILTY CLAY, (CL-ML) Light brownish gray, wet, medium plasticity		1.9
34								3.2
					35.0		76.1	

Bottom of borehole at 35.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-43

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/18/19 **COMPLETED** 7/18/19
GROUND ELEVATION 111.86 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 5.00 ft / Elev 106.86 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 91829.15
NOTES
EASTING (NH SP ft 1983) 1107103.82

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0								
		SB19-43 (0-2.5)	SM		0.8	SILTY SAND, (SM) Dark brown to brown, fine grained, moist, loose	111.1	7.8
2	45		SP-SM		2.3	SAND, (SP-SM) Light brown to pale brown, fine grained, moist, some silt	109.6	
4					5.0 ▽		106.9	
6	100		SM			SILTY SAND, (SM) Pale brown with light orangeish brown, fine grained, wet, loose, slight orange coloration ~ 6.75-7.5 ft bgs		0.9
8								0.8
10					10.0		101.9	
12	100		SC-SM			SILTY CLAY, (SC-SM) Pale brown, saturated, slight plasticity		0.1
14			SM		13.0	SILTY SAND, (SM) Pale brown, fine grained, saturated, loose	98.9	1.1
16	100		SM		15.0	SILTY SAND, (SM) Pale brown, fine grained, saturated, loose	96.9	3.2
18								3.6
20					20.0		91.9	
22	100		SM		23.0	SILTY SAND, (SM) Pale brown to light gray, fine grained, saturated, loose	88.9	2.5
24			SC-SM		24.0	SILTY CLAY, (SC-SM) Light gray, saturated, low plasticity	87.9	3.3
			SM		25.0	SILTY SAND, (SM) Light gray, fine grained, saturated, loose	86.9	
26	50		SM		27.0	SILTY SAND, (SM) Light gray, fine grained, saturated, loose	84.9	2.8
28			SC-SM		27.5	SILTY CLAY, (SC-SM) Light gray, saturated, slight plasticity	84.4	
30					30.0		81.9	
32	100	SB19-43 (32.5-35)	CL-ML			SILTY CLAY, (CL-ML) Light brownish gray, wet, medium plasticity		2.1
34					35.0		76.9	1.2

Bottom of borehole at 35.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-44

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/18/19 **COMPLETED** 7/18/19
GROUND ELEVATION 112.06 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 5.00 ft / Elev 107.06 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 91867.66
NOTES
EASTING (NH SP ft 1983) 1107097.65

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0								
	80		SM		1.3	SILTY SAND, (SM) Dark brown to brown, fine grained, moist, loose	110.8	50.4
2			SP-SM			SAND, (SP-SM) Light brown to pale brown, fine grained, moist, some silt		8.5
4					4.0		108.1	
					5.0 ▽		107.1	
6	60		SM			SILTY SAND, (SM) Pale brown to light brown, fine grained, wet, loose, odor		64.8
8					8.0		104.1	435.6
10					10.0		102.1	
	80	SB19-44 (10-12)	SM		11.0	SILTY SAND, (SM) Pale brown, fine grained, saturated, loose, odor	101.1	473.4
12			SM			SILTY SAND, (SM) Pale brown, fine grained, saturated, loose, some clay, odor		407.8
14					14.0		98.1	
					15.0		97.1	
16	100	SB19-44 (17.5-20)	SM			SILTY SAND, (SM) Light brown to pale brown, fine grained, saturated, loose, odor		69.3
18								5.9
20					20.0		92.1	
22	100		SM			SILTY SAND, (SM) Pale brown to light gray, fine grained, saturated, loose		8
24								5.9
26					25.0		87.1	
28	100		SM			SILTY SAND, (SM) Light gray, fine grained, saturated, loose to medium dense		5.4
30								5.6
					30.0		82.1	
32	100		CL-ML			SILTY CLAY, (CL-ML) Light brownish gray, wet, medium plasticity		4.3
34								4.9
					35.0		77.1	

Bottom of borehole at 35.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-45

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/18/19 **COMPLETED** 7/18/19
GROUND ELEVATION 111.39 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 5.00 ft / Elev 106.39 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 91810.56
NOTES
EASTING (NH SP ft 1983) 1107086.41

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0			SM		0.5	SILTY SAND, (SM) Dark brown to brown, fine grained, moist, loose	110.9	10.9
			SP-SM		1.5	SAND, (SP-SM) Light brown to pale brown, fine grained, moist, some silt	109.9	
2	80	SB19-45 (2.5-4)	OL		2.5	PEAT, (OL) Dark brown, moist, some fine sand, some silt, odor	108.9	
			OL			PEAT, (OL) Black, moist, Plastic, some fine sand, some silt, odor, hair		520.6
4					4.0		107.4	
					5.0 ▽		106.4	
6	100		SM			SILTY CLAY, (SM) Pale brown, fine grained, wet, loose, odor		10.4
8								8.7
10					10.0		101.4	
12	90		SM			SILTY SAND, (SM) Pale brown, fine grained, saturated, loose, some clay, odor		6.5
					13.0		98.4	
14			SM			SILTY CLAY, (SM) Pale brown, fine grained, saturated, loose, odor		16.6
					14.5		96.9	
					15.0		96.4	
16	100		SM			SILTY SAND, (SM) Pale brown, fine grained, saturated, loose, odor		5.1
18								9.9
20					20.0		91.4	
22	100		SM			SILTY SAND, (SM) Pale brown, fine grained, saturated, loose, odor, ~2" lense of clayey sand at ~22 ft bgs		2.1
24		SB19-45 (22.5-25)						4.9
					25.0		86.4	
26	90		CL-ML			SILTY CLAY, (CL-ML) Light brownish gray, wet, medium plasticity, odor		3.4
28								1.5
					29.5		81.9	
30					30.0		81.4	

Bottom of borehole at 30.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-46

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/19/19 **COMPLETED** 7/19/19
GROUND ELEVATION 112.59 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 6.00 ft / Elev 106.59 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 91853.85
NOTES
EASTING (NH SP ft 1983) 1107035.51

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0								
2	80		SM			SILTY SAND, (SM) Dark brown and light brown, fine grained, dry to moist, loose, little gravel, layers of siltier, topsoil like material ~ 2-3 ft bgs		0
4					4.0		108.6	0.2
					5.0		107.6	
6	80		SP-SM			SAND, (SP-SM) Dark brown and pale brown, fine grained, moist to wet, some silt, little gravel, ▽ ~6.25 ft bgs light orange, ~8.25 ft bgs orange/red streak		0.2
8					8.3		104.3	3.4
			SM		9.0	SILTY SAND, (SM) Pale brown, fine grained, saturated, medium dense, some clay	103.6	
10					10.0		102.6	
	20		SM		11.0	SILTY SAND, (SM) Pale brown, fine grained, saturated, loose, some clay	101.6	2.2
12								
14					15.0		97.6	
16	50	SB19-46 (15-17.5)	SP-SM			SAND, (SP-SM) Gray with light brown, fine grained, wet, loose, some silt, odor		964.6
18					17.5		95.1	
20					20.0		92.6	
	70		SM		21.0	SILTY SAND, (SM) Gray, fine grained, saturated, loose, odor	91.6	2.6
22			SC-SM		22.0	SILTY CLAY, (SC-SM) Gray, saturated, low plasticity, and fine sand, odor	90.6	
			SM		23.5	SILTY SAND, (SM) Gray, fine grained, wet, loose, odor	89.1	0.6
24					25.0		87.6	
26	80		SM		27.0	SILTY SAND, (SM) Gray, fine grained, saturated, loose, odor	85.6	0.8
28			CL-ML		29.0	SILTY CLAY, (CL-ML) Light brownish gray, wet, medium stiff, medium plasticity, odor	83.6	0.5
30					30.0		82.6	

Bottom of borehole at 30.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-47

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/19/19 **COMPLETED** 7/19/19
GROUND ELEVATION 112.65 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 5.00 ft / Elev 107.65 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 91879.92
NOTES
EASTING (NH SP ft 1983) 1107036.16

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0								
2	100		SP		2.0	SAND, (SP) Pale brown to dark brown, dry to moist, little gravel	110.7	0.2
			SP		2.5	SAND, (SP) Light orangeish brown, fine to medium grained, moist, loose, odor	110.2	
4			SP			SAND, (SP) Pale brown, fine grained, moist, loose, odor		0.3
					5.0 ▽		107.7	
6						SAND, (SM) Pale brown, fine grained, wet to saturated, medium dense, odor		0.7
8	100		SM					392
10					10.0		102.7	
		SB19-47 (10-12.5)	SC-SM		10.5	SILTY CLAY, (SC-SM) Light brown, saturated, low plasticity, some fine sand, odor	102.2	1010
12	100		SM			SILTY SAND, (SM) Light brown to pale brown, fine grained, saturated, medium dense, odor, orange streak around 11.5 ft bgs		
14								804.3
					15.0		97.7	
16						SILTY SAND, (SM) Pale brown, fine grained, saturated, medium dense, odor		409.4
18	100		SM					11.5
20					20.0		92.7	
			SM		21.5	SILTY SAND, (SM) Pale brown, fine grained, saturated, medium dense, sleeve ripped, minimal sample recovered	91.2	12
22	33							
24								
					25.0		87.7	
26						SILTY SAND, (SM) Pale brown, fine grained, saturated, medium dense		4.3
28	100		SM					0.4
30					30.0		82.7	
						SILTY CLAY, (CL-ML) Light brownish gray, wet, medium plasticity		0
32	100		CL-ML					
34					35.0		77.7	

Bottom of borehole at 35.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

WOODARD & CURRAN STANDARD - WC STD.GDT - 3/6/20 20:39 - \\WOODARDCURRAN.NET\SHARED\PROJECTS\0231841.00 SALEM NH - FORMER WWTF\WIP\GINT\SALEMFORMERWWTF.GPJ

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

BORING NUMBER SB19-48

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/19/19 **COMPLETED** 7/19/19
GROUND ELEVATION 112.67 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 8.00 ft / Elev 104.67 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 91918
NOTES
EASTING (NH SP ft 1983) 1107019.74

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0								
2	80		SP		2.0	SAND, (SP) Dark brown, dry to moist, little gravel	110.7	0.8
4			SP		4.0	SAND, (SP) Brown to gray, fine grained, moist, medium dense	108.7	0.4
					5.0		107.7	
6	100		SW		6.3	SAND, (SW) Brown to gray, fine to coarse grained, moist, medium dense, odor	106.4	1.3
8			OH		8.0 ▽	PEAT, (OH) Black, moist, Plastic, odor	104.7	32.9
10			SM		10.0	SILTY SAND, (SM) Pale brown, fine grained, wet, medium dense, odor	102.7	32.7
12	50		SM		12.5	SILTY SAND, (SM) Pale brown, fine grained, saturated, medium dense, odor	100.2	531.2
14					15.0		97.7	
16	80	SB19-48 (15-17)	SM		19.0	SILTY SAND, (SM) Pale brown, fine grained, saturated, medium dense, odor, iron streak at ~16.25 ft bgs	93.7	1078
18								1020
20					20.0		92.7	
22	100		SM			SILTY SAND, (SM) Pale brown, fine grained, saturated, medium dense, odor		70.7
24					24.0		88.7	7.5
			ML		25.0	SILT, (ML) Light gray, wet, medium stiff, non plastic, some fine sand	87.7	
26	100		SM			SILTY SAND, (SM) Pale brown, fine grained, saturated, medium dense		2.1
28								
30					30.0		82.7	
32	100		CL-ML			SILTY CLAY, (CL-ML) Light brownish gray, wet, medium plasticity		1.8
34					35.0		77.7	

Bottom of borehole at 35.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-49

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/19/19 **COMPLETED** 7/19/19
GROUND ELEVATION 112.31 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 5.00 ft / Elev 107.31 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 91944.33
NOTES
EASTING (NH SP ft 1983) 1106965.04

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0			SP		0.5	SAND, (SP) Dark brown to light brown, fine grained, dry to moist, little gravel	111.8	0
						SAND, (SP) Pale brown, fine grained, moist, medium dense		
2	80		SP					0
4					4.0		108.3	
					5.0 ▽		107.3	
6						SAND, (SP) Pale brown to light gray, fine to medium grained, wet, medium dense		0.2
8	100		SP					0.9
10					10.0		102.3	
						SAND, (SP-SM) Light gray, fine grained, wet, medium dense, some silt, odor		102
12	100		SP-SM					
14								126.4
					15.0		97.3	
16						SAND, (SP-SM) Pale brown to light gray, fine grained, wet, medium dense, some silt, odor		133.7
18	100	SB19-49 (17.5-20)	SP-SM					190.2
20					20.0		92.3	
						SILTY CLAY, (CL-ML) Light brownish gray, wet, medium plasticity, odor		78.3
22	80		CL-ML					116.9
24					25.0		87.3	

Bottom of borehole at 25.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-50

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/22/19 **COMPLETED** 7/22/19
GROUND ELEVATION 111.7 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 8.00 ft / Elev 103.70 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 91845.99
NOTES
EASTING (NH SP ft 1983) 1107078.21

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0			SM		0.5	SILTY SAND, (SM) Dark brown to brown, fine grained, moist, loose	111.2	35.4
			OH		1.5	PEAT, (OH) Dark brown, moist, some fine sand, odor	110.2	
2	60		OH		2.8	PEAT, (OH) Black, moist, Plastic, some fine sand, odor, piece of plastic at top of layer, hair	109.0	25.3
			SP		3.0	SAND, (SP) Light gray, fine grained, moist, loose, odor	108.7	
4					5.0		106.7	
6			OH		6.3	PEAT, (OH) Black and dark brown, moist, Plastic, some sand, some silt, peat/sludge mixed with topsoil, hair	105.5	20.1
8	100		SM			SILTY SAND, (SM) Pale brown, fine grained, moist to wet, loose, odor ▽		325.8
10					10.0		101.7	
12	100	SB19-50 (10-12.5)	SM			SILTY SAND, (SM) Pale brown and gray, fine grained, saturated, loose, some clay, odor		459.9
14					15.0		96.7	146.6
16	100	SB19-50 (15-17.5)	SM			SILTY SAND, (SM) Pale brown to gray, fine grained, saturated, loose, color change at ~19ft		1.8
18								1.1
20					20.0		91.7	
22	100		SM			SILTY SAND, (SM) Light gray, fine grained, saturated, loose, odor		1
24								0.6
26					25.0		86.7	
28	25		SM			SILTY SAND, (SM) Light gray, fine grained, moist, loose, sleeved jammed in sampler, some soil hammered out		0.5
30								0.4
32	90		CL-ML		30.0	SILTY CLAY, (CL-ML) Light brownish gray, wet, medium plasticity	81.7	0.2
34					34.5		77.2	
					35.0		76.7	

Bottom of borehole at 35.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-51

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/22/19 **COMPLETED** 7/22/19
GROUND ELEVATION 111.59 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 8.00 ft / Elev 103.59 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 91888.27
NOTES
EASTING (NH SP ft 1983) 1107070.75

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0			SM		0.5	SILTY SAND, (SM) Dark brown to brown, fine grained, moist, loose	111.1	1
			OH		1.5	PEAT, (OH) Dark brown, moist, some fine sand, odor	110.1	
2	60	SB19-51 (1.5-3)	OH		2.5	PEAT, (OH) Black, moist, Plastic, some silt, little fine sand, odor, piece of plastic at top of layer, hair	109.1	531.3
			SP		3.0	SAND, (SP) Light gray, fine grained, moist, loose, odor	108.6	
4					5.0		106.6	
6			OH		5.8	PEAT, (OH) Black and dark brown, moist, Plastic, some silt, little fine sand, odor, peat/sludge mixed with topsoil, hair	105.8	462.3
						SILTY SAND, (SM) Gray to pale brown, fine grained, moist to wet, loose, odor		
8	100		SM		▽			216.1
10					10.0		101.6	
			SM			SILTY SAND, (SM) Pale brown, fine grained, saturated, loose, some clay, odor		260.3
12	80	SB19-51 (10-12)						
14					14.0		97.6	3.4
					15.0		96.6	
16			SM			SILTY SAND, (SM) Pale brown to gray, fine grained, saturated to wet, loose, odor		14.1
18	100							0.9
20					20.0		91.6	
			SM			SILTY SAND, (SM) Pale brown, fine grained, saturated, loose		84.3
22	100							
24								1.6
					25.0		86.6	
26			SM			SILTY SAND, (SM) Light gray, fine grained, saturated, loose		8.9
28	100							0.7
30					30.0		81.6	
			CL-ML			SILTY CLAY, (CL-ML) Light brownish gray, wet, medium plasticity		0
32	70							
34					33.5		78.1	
					35.0		76.6	

Bottom of borehole at 35.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-52

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/22/19 **COMPLETED** 7/22/19
GROUND ELEVATION 111.55 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 5.00 ft / Elev 106.55 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 91915.27
NOTES
EASTING (NH SP ft 1983) 1107095.99

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0								
			SM		1.0	SILTY SAND, (SM) Dark brown, fine grained, dry, loose	110.6	0.3
2	40		SM		2.0	SILTY SAND, (SM) Light orangeish brown, fine grained, moist, loose, some silt	109.6	
4					5.0 ▽		106.6	
6	100		SM			SILTY SAND, (SM) Pale brown, fine grained, wet, medium dense, little clay, odor, some orange ~ 4-5 ft bgs		0.3
8								0.3
10					10.0		101.6	
12	100	SB19-52 (12.5-15)	SM			SILTY SAND, (SM) Pale brown, fine grained, wet, medium dense, little clay		0.5
14					15.0		96.6	0.5
16	100		SP-SM			SAND, (SP-SM) Pale brown, fine grained, wet, medium dense, some silt		0.5
18								0.4
20					20.0		91.6	
22	100		SP-SM			SAND, (SP-SM) Pale brown, fine grained, wet, medium dense, some silt		0.3
24								0.3
26	100		SM		25.0	SILTY SAND, (SM) Light gray, fine grained, saturated, loose, some clay	86.6	0.5
28					27.5		84.1	
30			SM		30.0	SILTY SAND, (SM) Light gray, fine grained, saturated, loose	81.6	0.4
32	100		CL-ML			SILTY CLAY, (CL-ML) Light brownish gray, saturated, medium plasticity		0.4
34								0.4
					35.0		76.6	

Bottom of borehole at 35.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

WOODARD & CURRAN STANDARD - WC STD.GDT - 3/6/20 20:39 - \\WOODARDCURRAN.NET\SHARED\PROJECTS\0231841.00 SALEM NH - FORMER WWTF\WIP\GINT\SALEMFORMERWWTF.GPJ

BORING NUMBER SB19-53

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/22/19 **COMPLETED** 7/22/19
GROUND ELEVATION 111.84 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 6.00 ft / Elev 105.84 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 91924.68
NOTES
EASTING (NH SP ft 1983) 1107062.98

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0								
	80	SB19-53 (2-4)	SM		1.0	SAND, (SM) Brown, fine to coarse grained, dry, loose, odor	110.8	43.1
2			OH		2.0	PEAT, (OH) Dark brown, moist, some fine sand, odor	109.8	
			OH		3.5	PEAT, (OH) Black, moist, Plastic, some silt, little fine sand, odor, piece of hard plastic at top of layer, hair	108.3	998.7
4			SP		4.0	SAND, (SP) Light brown, fine grained, moist, loose, odor, piece of hard plastic	107.8	
					5.0		106.8	
6			OH		6.0	▽ PEAT, (OH) Black and dark brown, moist, Plastic, some silt, little fine sand, odor, peat/sludge mixed with topsoil, hair, hard plastic	105.8	481.6
	100		SM			SILTY SAND, (SM) Pale brown, fine grained, wet, loose, odor		
8								946.9
10					10.0		101.8	
	100	SB19-53 (10-15)	SM			SILTY SAND, (SM) Pale brown, fine grained, saturated, loose, some clay, odor		365
12								
								35.9
14					15.0		96.8	
16			SM			SILTY SAND, (SM) Pale brown, fine grained, saturated, loose, little clay, odor		27.6
	100							
18								8.5
20					20.0		91.8	
	100		SM			SILTY SAND, (SM) Light brown, fine grained, saturated, loose, odor		0.8
22								
								0.5
24					25.0		86.8	
26			SM			SILTY SAND, (SM) Light gray, fine grained, saturated, loose		1.2
	100							
28								1.1
30					30.0		81.8	
	100		CL-ML			SILTY CLAY, (CL-ML) Light brownish gray, wet, medium plasticity		2
32								
								0.7
34					35.0		76.8	

Bottom of borehole at 35.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

WOODARD & CURRAN STANDARD - WC STD.GDT - 3/6/20 20:39 - \\WOODARDCURRAN.NET\SHARED\PROJECTS\0231841.00 SALEM NH - FORMER WWTF\WIP\GINT\SALEMFORMERWWTF.GPJ

BORING NUMBER SB19-54

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/23/19 **COMPLETED** 7/23/19
GROUND ELEVATION 112.34 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 5.00 ft / Elev 107.34 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 91977.68
NOTES
EASTING (NH SP ft 1983) 1107008.11

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0			SM		0.5	SAND, (SM) Brown, fine grained, dry, loose, odor	111.8	0
2	70		SP			SAND, (SP) Pale brown and brown, fine grained, moist, medium dense, odor		0.1
4					3.5		108.8	
					5.0 ▽		107.3	
6	40		SM			SILTY SAND, (SM) Pale brown and dark brown, fine grained, wet, loose, lenses of peat throughout		0.1
8					7.0		105.3	
10					10.0		102.3	
12	60		SP-SM			SAND, (SP-SM) Brownish gray to light gray, fine grained, saturated, loose, little clay, odor		1.2
14					13.0		99.3	3.5
					15.0		97.3	
16	40		SP-SM		17.0	SAND, (SP-SM) Dark gray with black, fine grained, saturated, very loose, some silt, little coal, odor	95.3	736.2
18								
20					20.0		92.3	
22	100	SB19-54 (22.5-25)	SP-SM			SAND, (SP-SM) Light gray, fine grained, saturated, medium dense, some silt, odor		504.1
24								866.5
					25.0		87.3	
26	40		SM		27.0	SILTY SAND, (SM) Light gray, fine grained, saturated, very loose, some clay	85.3	16.9
28								
30					30.0		82.3	
32	90		CL-ML			SILTY CLAY, (CL-ML) Light brownish gray, saturated, medium plasticity		37.4
34								46.7
					34.5		77.8	
					35.0		77.3	

Bottom of borehole at 35.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-55

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/23/19 **COMPLETED** 7/23/19
GROUND ELEVATION 111.37 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 5.00 ft / Elev 106.37 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 91990.67
NOTES
EASTING (NH SP ft 1983) 1107031.61

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0			SM		0.5	SILTY SAND, (SM) Brown, fine grained, moist, loose	110.9	0.1
2	80		SP			SAND, (SP) Pale brown and brown, fine grained, moist, medium dense		0.1
4					4.0		107.4	
					5.0 ▽		106.4	
6	100		SM			SILTY SAND, (SM) Light brown to gray, fine grained, saturated, loose, some clay, odor, coal pieces		0.2
8								5.5
10					10.0		101.4	
12	60		SP-SM			SAND, (SP-SM) Brownish gray, fine grained, saturated, loose, some silt, little clay, odor, few small clumps of peat		2.8
14					13.0		98.4	6.6
					15.0		96.4	
16	40	SB19-55 (15-17)	SP-SM			SAND, (SP-SM) Dark brownish gray with black, fine grained, saturated, very loose, some silt, odor		121.8
18					17.0		94.4	
20					20.0		91.4	
22	100	SB19-55 (20-22.5)	SM			SILTY SAND, (SM) Light gray, fine grained, saturated, very loose, some clay, odor		296.5
24								121.4
					25.0		86.4	
26	40		SM			SILTY SAND, (SM) Light gray, fine grained, saturated, very loose, some clay, odor		20.4
28					27.0		84.4	
30					30.0		81.4	
32	100		CL-ML			SILTY CLAY, (CL-ML) Light brownish gray, saturated, medium plasticity, odor, f-m sand lense in middle		6.2
34		SB19-55 (32.5-35)			35.0		76.4	0.2

Bottom of borehole at 35.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-56

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/23/19 **COMPLETED** 7/23/19
GROUND ELEVATION 112.17 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 5.00 ft / Elev 107.17 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 91993.65
NOTES
EASTING (NH SP ft 1983) 1107015.15

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION		PID (ppm)
0					Feet BGS		
			SM		0.5 SILTY SAND, (SM) Brown, fine grained, moist, loose	111.7	0.2
2	70		SP		SAND, (SP) Pale brown and brown, fine grained, moist to wet, medium dense, trace gravel		0.4
4					3.5	108.7	
					5.0 ▽	107.2	
6			SM		SILTY SAND, (SM) Brown and dark brown, fine grained, wet, medium dense, little clay, odor, peat lenses at ~ 6.75 and 7.5 ft bgs		0.8
8	100				7.5	104.7	
			SM		SILTY SAND, (SM) Light gray, fine grained, wet, medium dense, little clay, odor		0.3
10					10.0	102.2	
			SM		SILTY SAND, (SM) Light gray, fine grained, wet, medium dense, little clay, odor		0.4
12	100						
14							0.9
					15.0	97.2	
16			SM		SILTY SAND, (SM) Light gray, fine grained, wet, medium dense, odor		46.3
18	100	SB19-56 (17.5-20)					807.5
20					20.0	92.2	
			SM		SILTY SAND, (SM) Light gray, fine grained, saturated, medium dense, some clay, odor, higher clay content 21.5-24		288.5
22	100						
24							314.2
					25.0	87.2	
26			CL-ML		SILTY CLAY, (CL-ML) Light brownish gray, saturated, medium plasticity, odor		18.5
28	80						9.6
					29.0	83.2	
30					30.0	82.2	

Bottom of borehole at 30.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-57

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/23/19 **COMPLETED** 7/23/19
GROUND ELEVATION 112.58 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 7.00 ft / Elev 105.58 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 92018.32
NOTES
EASTING (NH SP ft 1983) 1106993.37

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0			SM		0.5	SILTY SAND, (SM) Brown, fine grained, moist, loose	112.1	
2	80		SP			SAND, (SP) Pale brown and brown, fine grained, moist, medium dense, orange around 1.75 and 3.0 ft bgs		0.1
4					4.0		108.6	0.1
					5.0		107.6	
6	80		SP		6.0	SAND, (SP) Pale brown and brown, fine grained, moist, medium dense	106.6	0.3
8			SM			▽ SILTY SAND, (SM) Light gray, fine grained, moist to wet, medium dense, orange around 9.0 ft bgs		0.2
10					9.0		103.6	
12	60		SM		10.0	SILTY SAND, (SM) Pale brown to light gray, fine grained, saturated, medium dense, odor	102.6	0.5
14					13.0		99.6	2.4
16	100	SB19-57 (15-17.5)	SM		15.0	SILTY SAND, (SM) Light gray, fine grained, saturated, medium dense, odor	97.6	537.5
18								503.7
20					20.0		92.6	
22	60		CL-ML			SILTY CLAY, (CL-ML) Light gray, saturated, medium plasticity, odor, fine sand lense around 22.75 ft bgs		159.6
24					23.0		89.6	115.6
					25.0		87.6	

Bottom of borehole at 25.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

BORING NUMBER SB19-58

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/23/19 **COMPLETED** 7/23/19
GROUND ELEVATION 112.67 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
AT TIME OF DRILLING 10.00 ft / Elev 102.67 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 92037.76
NOTES
EASTING (NH SP ft 1983) 1107005

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0								
			SW-SM		1.0	SAND, (SW-SM) Brown, fine to coarse grained, moist, loose, some gravel	111.7	0.1
2	80		SP			SAND, (SP) Pale brown and brown, fine grained, moist, loose, some gravel, orange around 2 ft bgs		1
4					4.0		108.7	
					5.0		107.7	
6			SP		6.0	SAND, (SP) Dark brown and light brown, fine to medium grained, moist, orange at top	106.7	1.9
			OH		6.5	PEAT, (OH) Dark brown, moist, Spongy	106.2	
8	100		SM			SILTY SAND, (SM) Light gray, fine grained, moist, medium dense, some silt		0.6
10					10.0 ▽		102.7	
		SB19-58 (10-12)	SM			SILTY SAND, (SM) Pale brown, fine grained, wet, medium dense		420.8
12	40				12.0		100.7	
14								
					15.0		97.7	
16						SILTY SAND, (SM) Pale brown, fine grained, saturated, medium dense, little clay, odor		96.8
18	100		SM					400.9
20					20.0		92.7	
			SP		20.2	SAND, (SP) Light gray, fine grained, saturated, odor, only tip recovered, too soft/saturated to collect in sleeve	92.5	22.5
22	4							
24								
					25.0		87.7	
26			CL-ML			SILTY CLAY, (CL-ML) Light gray, saturated, medium plasticity, some fine to medium sand, odor, f-m thin lenses of sand		71.4
28	100							85
					29.0		83.7	
30			SW		30.0	SAND, (SW) Light gray, fine to coarse grained, wet, little gravel, odor	82.7	

Bottom of borehole at 30.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-59

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/24/19 **COMPLETED** 7/24/19
GROUND ELEVATION 112.88 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 10.00 ft / Elev 102.88 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 92022.36
NOTES
EASTING (NH SP ft 1983) 1107023.86

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0								
			SM		0.5	SILTY SAND, (SM) Dark brown, fine grained, moist, loose	112.4	
			SP		1.0	SAND, (SP) Brown to pale brown, fine to medium grained, moist	111.9	0.1
2			GW		1.5	GRAVEL, (GW) Dark brown, fine to coarse grained, moist, loose	111.4	
	70		SM			SILTY SAND, (SM) Dark brown and brown, fine to medium grained, moist, loose, odor, lenses of peat		1.5
4					3.5		109.4	
					5.0		107.9	
6			SM		6.0	SILTY SAND, (SM) Dark brown and brown, fine to medium grained, moist, loose, odor, lenses of peat	106.9	49.9
			OH		7.0	PEAT, (OH) Black, moist, Plastic, and silt, some fine sand, odor, mostly organic/roots	105.9	
8	80		SP-SM		8.0	SAND, (SP-SM) Light gray, fine grained, moist, medium dense, some silt, odor	104.9	1.5
			SM		9.0	SAND, (SM) Light gray, fine grained, moist, medium dense, odor	103.9	
10					10.0 ▽		102.9	
						SILTY SAND, (SM) Pale brown, fine grained, saturated, medium dense, little clay		1.2
12								
	100		SM					63.1
14					15.0		97.9	
16		SB19-59 (15-17.5)				SILTY SAND, (SM) Pale brown, fine grained, saturated, medium dense		2000
	100		SM					1060
18								
20					20.0		92.9	
						SILTY SAND, (SM) Pale brown, fine grained, saturated, medium dense, little clay, odor		186.4
22								
	100		SM					1054
24								
					25.0		87.9	
26		SB19-59 (25-27)				SILTY CLAY, (CL-ML) Light brownish gray, saturated, medium plasticity, odor		2000
			CL-ML					
28	80							857
					29.0		83.9	
30					30.0		82.9	

Bottom of borehole at 30.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-60

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/24/19 **COMPLETED** 7/24/19
GROUND ELEVATION 112.17 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 7.50 ft / Elev 104.67 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 92024.74
NOTES
EASTING (NH SP ft 1983) 1107048.23

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0			SM		0.5	SILTY SAND, (SM) Dark brown, fine grained, moist, loose	111.7	2.4
2	90		SM		2.5	SILTY SAND, (SM) Dark brown and brown, fine to medium grained, moist, loose, odor, lenses of peat, crushed rock at top	109.7	3.2
4			SP-SM		4.5	SAND, (SP-SM) Light brown to pale brown, fine grained, moist, medium dense, some silt, odor	107.7	
6	100		SM		5.0	SILTY SAND, (SM) Pale brown to light gray, fine grained, wet, medium dense, odor	107.2	2000
8						▽		2000
10					10.0		102.2	
12	100		SM			SILTY SAND, (SM) Pale brown, fine grained, saturated, medium dense, some clay		253.1
14								2000
16	100	SB19-60 (15-17.5)	SM		15.0	SILTY SAND, (SM) Pale brown, fine grained, saturated, medium dense, odor	97.2	2000
18								1607
20					20.0		92.2	
22	100		SM			SILTY SAND, (SM) Pale brown, fine grained, saturated, medium dense, some clay		218.6
24								640.2
26	80		CL-ML		25.0	SILTY CLAY, (CL-ML) Light brownish gray, saturated, medium plasticity, odor	87.2	196.8
28								9.7
30					29.0		83.2	
					30.0		82.2	

Bottom of borehole at 30.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

BORING NUMBER SB19-61

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/24/19 **COMPLETED** 7/24/19
GROUND ELEVATION 112.14 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
AT TIME OF DRILLING 5.00 ft / Elev 107.14 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 92007.73
NOTES
EASTING (NH SP ft 1983) 1107052.28

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0			SM		0.5	SILTY SAND, (SM) Brown, fine grained, moist, loose	111.6	0
			SM		1.5	SILTY SAND, (SM) Pale brown, fine to medium grained, moist, loose, trace gravel	110.6	
2	60		SM			SILTY SAND, (SM) Pale brown and brown, fine grained, moist to wet, medium dense, ~2" orange lense with ~1 inch of peat above and below at ~ 3 ft bgs, coal pieces		0.4
4					3.5		108.6	
					5.0 ▽		107.1	
6			SM		6.0	SILTY SAND, (SM) Pale brown and brown, fine grained, saturated, loose	106.1	0.2
8	100	SB19-61 (7.5-10)	SM			SILTY SAND, (SM) Pale brown to light gray, fine grained, saturated, medium dense, odor, orange around 6.5 ft bgs		223.3
10					10.0		102.1	
12	60		SM			SILTY SAND, (SM) Pale brown, fine grained, saturated, medium dense, some clay, odor		13.4
14					13.0		99.1	2.8
					15.0		97.1	
16	100		SP-SM			SAND, (SP-SM) Pale brown, fine grained, saturated, medium dense, some silt, odor		1.5
18								1.3
20					20.0		92.1	
22	100		SM			SILTY SAND, (SM) Pale brown, fine grained, saturated, medium dense, some clay		9.5
24								21.3
					25.0		87.1	
26	70	SB19-61 (26.75-28.5)	CL-ML			SILTY CLAY, (CL-ML) Light brownish gray, saturated, medium plasticity, odor		0.1
28					28.5		83.6	0
30					30.0		82.1	

Bottom of borehole at 30.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-62

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/24/19 **COMPLETED** 7/24/19
GROUND ELEVATION 111.83 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 7.50 ft / Elev 104.33 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 91981.72
NOTES
EASTING (NH SP ft 1983) 1107065.8

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0								
			SM		1.0	SILTY SAND, (SM) Dark brown, fine grained, moist, loose	110.8	0
2	80		SP-SM		2.5	SAND, (SP-SM) Light brown, fine grained, moist, medium dense, some silt	109.3	
			SP-SM			SAND, (SP-SM) Orange brown, fine to medium grained, moist, medium dense, some silt		0
4					4.0		107.8	
					5.0		106.8	
6			SP-SM		7.0	SAND, (SP-SM) Brown to pale brown, fine to medium grained, wet, medium dense, some silt, orange ~ 6.75 ft bgs	104.8	23
8	100		SM			▽ SILTY SAND, (SM) Pale brown, fine grained, saturated, medium dense		0.8
10					10.0		101.8	
			SM		12.3	SILTY SAND, (SM) Pale brown, fine grained, saturated, medium dense, little clay	99.6	1
12	45							
14					15.0		96.8	
16			SP-SM			SAND, (SP-SM) Pale brown with orangeish brown, fine grained, saturated, medium dense, some silt, orange ~ 2-2.5 ft bgs		0.1
18	100							0
20					20.0		91.8	
			SP-SM			SAND, (SP-SM) Pale brown, fine grained, wet, medium dense, some silt, odor		0.3
22	100							
24					24.5		87.3	118.9
			SP-SM		25.0	SAND, (SP-SM) Light gray, fine grained, wet, medium dense, some silt, odor	86.8	
26		SB19-62 (25-27.5)	SM			SILTY SAND, (SM) Light gray, fine grained, wet, medium dense, odor		656.6
28	100				27.5		84.3	
			CL-ML			SILTY CLAY, (CL-ML) Light brownish gray, saturated, medium plasticity, odor		6.5
30					30.0		81.8	

Bottom of borehole at 30.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-63

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/24/19 **COMPLETED** 7/24/19
GROUND ELEVATION 111.47 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 5.00 ft / Elev 106.47 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 91957.04
NOTES
EASTING (NH SP ft 1983) 1107065.39

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0			SM		0.8	SILTY SAND, (SM) Dark brown, fine grained, moist, loose	110.7	0.1
2	90		SP-SM		2.8	SAND, (SP-SM) Light brown to orangeish brown, fine grained, moist, medium dense, some silt, bright orange brown around 2.25-2.75 ft bgs	108.7	0.1
4			SP-SM		4.5	SAND, (SP-SM) Pale brown, fine grained, moist, medium dense, some silt	107.0	
					5.0 ▽		106.5	
6	80		SM			SILTY SAND, (SM) Pale brown, fine grained, saturated, medium dense, little clay		8.8
8					9.0		102.5	59.7
10					10.0		101.5	
12	100		SM			SILTY SAND, (SM) Pale brown, fine grained, saturated, loose, little clay, odor		903.3
14					15.0		96.5	1512
16	80	SB19-63 (17-19)	SP-SM			SAND, (SP-SM) Pale brown, fine grained, saturated, loose, some silt, odor		359.8
18					19.0		92.5	1870
20					20.0		91.5	
22	5		SP-SM		20.3	SAND, (SP-SM) Pale brown, fine grained, saturated, loose, some silt, sleeve stuck, minimal sample recovered	91.2	0.3
24					25.0		86.5	
26	100		SP-SM			SAND, (SP-SM) Pale brown, fine grained, saturated, loose, some silt		0.5
28					29.0		82.5	0.1
30			SM		30.0	SILTY SAND, (SM) Pale brown, fine grained, saturated, loose, little clay	81.5	
32	90	SB19-63 (30-32.5)	CL-ML			SILTY CLAY, (CL-ML) Light brownish gray, saturated, medium plasticity		0.1
34					34.5		77.0	0
					35.0		76.5	

Bottom of borehole at 35.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-64

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/25/19 **COMPLETED** 7/25/19
GROUND ELEVATION 111.68 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 5.00 ft / Elev 106.68 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 92012.46
NOTES
EASTING (NH SP ft 1983) 1107096.02

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0			SM		0.5	SILTY SAND, (SM) Dark brown, fine grained, moist, loose	111.2	
			SM		1.0	SILTY SAND, (SM) Pale brown, fine grained, moist, medium dense	110.7	0
2			SM		2.0	SILTY SAND, (SM) Dark brown, fine grained, moist, medium dense	109.7	
	100		SM		2.5	SILTY SAND, (SM) Brown, fine to medium grained, moist, medium dense	109.2	
4			SM			SILTY SAND, (SM) Pale brown and orangeish brown, fine grained, saturated, medium dense		46.1
					5.0 ▽		106.7	
6			SP-SM			SAND, (SP-SM) Pale brown, fine grained, saturated, medium dense, some silt		670.3
8	100				7.5		104.2	
			SM			SILTY SAND, (SM) Pale brown, fine grained, saturated, medium dense, little clay		2000
10					10.0		101.7	
		SB19-64 (10-12.5)	SM			SILTY SAND, (SM) Pale brown, fine grained, saturated, medium dense, little clay, odor		2000
12	100							
14								1380
					15.0		96.7	
16			SP-SM		15.5	SAND, (SP-SM) Pale brown, fine grained, wet, medium dense, some silt, odor, sleeve stuck, minimal sample recovered.	96.2	1.6
18	10							
20					20.0		91.7	
			SM			SILTY SAND, (SM) Pale brown, fine grained, wet, medium dense, little clay, odor, sleeve ripped, sample came out in 2 pieces		3.6
22	40							
24								
					25.0		86.7	
26			CL-ML			SILTY CLAY, (CL-ML) Light brownish gray, saturated, medium plasticity, lense of fine sand at ~29.5 ft bgs		0.4
28	90							0.1
					29.5		82.2	
30					30.0		81.7	

Bottom of borehole at 30.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

BORING NUMBER SB19-65

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/25/19 **COMPLETED** 7/25/19
GROUND ELEVATION 111 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 5.00 ft / Elev 106.00 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 92004.04
NOTES
EASTING (NH SP ft 1983) 1107131.47

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0			SM		0.3	SILTY SAND, (SM) Dark brown, fine grained, moist, loose	110.8	0
						SAND, (SP-SM) Light brown to pale brown, fine grained, moist, medium dense, some silt		
2	90		SP-SM					0
4					4.5		106.5	
					5.0 ▽		106.0	
6						SILTY SAND, (SM) Pale brown, fine grained, saturated, medium dense, little clay		0
8	100		SM					0
10					10.0		101.0	
						SILTY SAND, (SM) Pale brown, fine grained, saturated, medium dense, little clay		0
12	100		SM					0
14					15.0		96.0	
16						SAND, (SP-SM) Light gray, fine grained, saturated, medium dense, some silt		0
18	100		SP-SM					0
20					20.0		91.0	
		SB19-65 (20-21.5)	SP-SM		21.0	SAND, (SP-SM) Pale brown, fine grained, saturated, medium dense, some silt, little clay	90.0	0
22	60		CL-ML			SILTY CLAY, (CL-ML) Light brownish gray, saturated, medium plasticity		0
24					23.0		88.0	
					25.0		86.0	

Bottom of borehole at 25.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-66

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/25/19 **COMPLETED** 7/25/19
GROUND ELEVATION 110.98 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 5.00 ft / Elev 105.98 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 91914.44
NOTES
EASTING (NH SP ft 1983) 1107166.36

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0								
	80	SB19-66 (0-2)	SM		1.0	SILTY SAND, (SM) Dark brown, fine grained, wet, loose	110.0	2.1
2			SP-SM			SAND, (SP-SM) Light brown to pale brown, fine grained, wet, medium dense, some silt, orange at ~ 2 ft bgs		0
4					4.0		107.0	
					5.0 ▽		106.0	
6	100		SM			SILTY SAND, (SM) Pale brown, fine grained, saturated, medium dense, slightly orange at~ 7.75 ft bgs		0
8								0
10					10.0		101.0	
12	100		SM			SAND, (SM) Pale brown, fine grained, saturated, loose, some clay		0
					12.5		98.5	
14			SP-SM			SAND, (SP-SM) Pale brown to light orangeish brown, fine grained, saturated, medium dense, some silt		0
					15.0		96.0	
16	100		SP-SM			SAND, (SP-SM) Light brown, fine grained, saturated, medium dense, some silt		0
18								0
20					20.0		91.0	
22	100		SP-SM			SAND, (SP-SM) Pale brown, fine grained, saturated, medium dense, some silt		0
24								0
					25.0		86.0	
26	80	SB19-66 (27-29)	SM			SILTY SAND, (SM) Pale brown, fine grained, saturated, medium dense		0
28					28.0		83.0	0
			SC-SM		29.0	SILTY CLAY, (SC-SM) Light brownish gray, saturated, low plasticity, some fine gravel	82.0	
30					30.0		81.0	
32	80		CL-ML			SILTY CLAY, (CL-ML) Light brownish gray, saturated, medium plasticity		0
34					34.0		77.0	0
					35.0		76.0	

Bottom of borehole at 35.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-67

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/25/19 **COMPLETED** 7/25/19
GROUND ELEVATION 110.4 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 5.00 ft / Elev 105.40 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 91970.38
NOTES
EASTING (NH SP ft 1983) 1107170.47

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0								
			SM		1.3	SILTY SAND, (SM) Dark brown, fine grained, moist, loose	109.2	0.1
2	80		SP-SM			SAND, (SP-SM) Light orangeish brown to pale brown, fine grained, wet, medium dense, some silt		0
4					4.0		106.4	
					5.0 ▽		105.4	
			SM		5.5	SILTY SAND, (SM) Pale brown, fine grained, wet, medium dense	104.9	
6			ML			SILT, (ML) Pale brown, fine grained, wet, non plastic, some fine sand		0
8	100				7.5		102.9	
			SM		8.5	SILTY SAND, (SM) Pale brown, fine grained, wet, medium dense	101.9	0
10			ML		10.0	SILT, (ML) Pale brown, fine grained, wet, non plastic, some fine sand	100.4	
						SILTY SAND, (SM) Pale brown to light brown, fine grained, saturated, medium dense, little clay, clay lense at ~ 11.5 ft bgs		0
12	100		SM					
14								0
					15.0		95.4	
16		SB19-67 (15-17.5)	SM			SILTY SAND, (SM) Light brown, fine grained, saturated, loose, some clay		0
18	100				18.0		92.4	
			CL-ML			SILTY CLAY, (CL-ML) Light gray, saturated, medium plasticity		0
20					20.0		90.4	
						SILTY CLAY, (CL-ML) Light gray, saturated, medium plasticity		0
22	100		CL-ML					
24								0
					25.0		85.4	
26			CL-ML			SILTY CLAY, (CL-ML) Pale brown, saturated, medium plasticity		0
					27.5		82.9	
28	80		SM		28.0	SILTY SAND, (SM) Pale brown, fine grained, saturated, loose	82.4	
			SW		28.5		81.9	0
			GW		29.0	SAND, (SW) Pale brown, fine to coarse grained, saturated, loose	81.4	
30					30.0	GRAVEL, (GW) Pale brown, fine to coarse grained, saturated, loose, some fine to coarse sand	80.4	
			SW			SAND, (SW) Pale brown, fine to coarse grained, saturated, loose		0
					31.5		78.9	
32			GW		32.0	GRAVEL, (GW) Pale brown, fine to coarse grained, saturated, loose, some fine to coarse sand	78.4	
	80	SB19-67 (32-34)	SW			GRAVELLY SAND, (SW) Pale brown, fine to coarse grained, saturated, loose, little rock fragments		0
34					34.0		76.4	
					35.0		75.4	

Bottom of borehole at 35.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

BORING NUMBER SB19-68

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/26/19 **COMPLETED** 7/26/19
GROUND ELEVATION 111.56 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 7.00 ft / Elev 104.56 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 91515.51
NOTES No analytical sample collected.
EASTING (NH SP ft 1983) 1107135.6

DEPTH (ft)	RECOVERY %	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0		SM		0.3	SILTY SAND, (SM) Dark brown, fine grained, moist, loose	111.3	
		SW			SAND, (SW) Brown, fine to coarse grained, moist, loose, and fine to coarse gravel		0
				1.5		110.1	
2		SM			SILTY SAND, (SM) Pale brown, fine grained, moist, medium dense, crushed rock at ~ 2.5 ft bgs		0
	60			3.0		108.6	
4							
				5.0		106.6	
6		SM			SILTY SAND, (SM) Pale brown and light orangeish brown, fine grained, moist to wet, medium dense, little gravel		0.2
				▽			
8	70			8.0		103.6	0.2
		OH		8.5	PEAT, (OH) Dark brown, wet, Spongy, some fine sand, odor	103.1	
10				10.0		101.6	
		CL-ML			SILTY CLAY, (CL-ML) Light brownish gray, saturated, medium plasticity		0
12							0
	60			12.8		98.8	
		SW		13.0	SAND, (SW) Brown, fine to coarse grained, moist, loose, some fine to coarse gravel	98.6	
14							
				15.0		96.6	

Bottom of borehole at 15.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-69

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/26/19 **COMPLETED** 7/26/19
GROUND ELEVATION 112.08 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 7.00 ft / Elev 105.08 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 91784.07
NOTES
EASTING (NH SP ft 1983) 1107045.21

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0								
			SM		1.0	SILTY SAND, (SM) Dark brown, fine grained, moist, loose	111.1	0
2	100		SM			SILTY SAND, (SM) Pale brown and brown, fine grained, moist, medium dense, trace gravel		0
4					5.0		107.1	
6	100		SM			SILTY SAND, (SM) Pale brown to grayish brown, fine grained, moist to wet, medium dense, trace gravel, odor ▽		0.9
8								1.9
10					10.0		102.1	
12	100		SM			SILTY SAND, (SM) Grayish brown, fine grained, saturated to wet, medium dense, trace gravel, odor, little pieces of black silt throughout		12.6
14								16.5
					15.0		97.1	
16	70	SB19-69 (16.5-18.5)	SW		16.5	SAND, (SW) Black, saturated, loose, and gravel	95.6	77
18			SM			SILTY SAND, (SM) Light gray, fine grained, saturated, medium dense		677
					18.3		93.8	
			CL-ML		18.5	SILTY CLAY, (CL-ML) Light gray, saturated, medium plasticity	93.6	
20					20.0		92.1	

Bottom of borehole at 20.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-71

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/29/19 **COMPLETED** 7/29/19
GROUND ELEVATION 111.99 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 7.00 ft / Elev 104.99 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 91988.62
NOTES
EASTING (NH SP ft 1983) 1106979.11

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0								
			SP-SM		0.2	SAND, (SP-SM) Dark brown, fine grained, moist, loose, some silt	111.8	0
						SAND, (SP-SM) Light brown to tan, fine grained, moist, medium dense, some silt		
2	70		SP-SM					0
4					3.5		108.5	
					5.0		107.0	
6			SP-SM			SAND, (SP-SM) Light brown to tan, fine grained, moist to saturated, loose to medium dense, some silt		0.2
8	80				▽			0
					9.0		103.0	
10					10.0		102.0	
			SP-SM			SAND, (SP-SM) Gray, fine grained, saturated, medium dense, some silt, odor odor, odor, utility packing rock found at ~11.5 ft bgs		0.2
12	90							
14					14.0		98.0	0.1
					15.0		97.0	
16			SM			SILTY SAND, (SM) Dark blackish gray, fine grained, saturated to wet, loose, odor odor, odor, little pieces of black silt throughout, ~6 inch utility packing layer at ~17 ft bgs		623.2
					17.0		95.0	
18	80	SB19-71 (17-19)	SM			SILTY SAND, (SM) Light gray, fine grained, saturated, medium dense, little clay, odor		824.3
					19.0		93.0	
20					20.0		92.0	
						SILTY CLAY, (CL-ML) Light gray, saturated, medium plasticity, odor		120
22			CL-ML					
	80							26.8
24					24.0		88.0	
					25.0		87.0	

Bottom of borehole at 25.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-72

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/29/19 **COMPLETED** 7/29/19
GROUND ELEVATION 112.78 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 5.00 ft / Elev 107.78 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 92043.56
NOTES
EASTING (NH SP ft 1983) 1107028.64

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0								
			SP-SM		0.5	SAND, (SP-SM) Dark brown, fine grained, moist, loose, some silt	112.3	0
2	70		SP-SM			SAND, (SP-SM) Light brown to tan, fine grained, moist, loose, some silt, ~1" clay lense at ~ 3ft bgs		0.3
4					3.5		109.3	
					5.0 ▽		107.8	
6	100		SM			SILTY SAND, (SM) Light gray, fine grained, saturated, medium dense, trace clay		0
8								1.9
10					10.0		102.8	
12	90	SB19-72 (12.25-14.5)	SM			SILTY SAND, (SM) Light gray, fine grained, saturated, medium dense to dense, trace clay		247.4
14								463.2
					14.5		98.3	
					15.0		97.8	
16	90		SM			SILTY SAND, (SM) Light gray, fine grained, saturated, medium dense to dense, little clay		118.3
18					18.0		94.8	69.9
			SM			SILTY SAND, (SM) Light gray, fine grained, saturated, medium dense to dense, some clay		
20					19.5		93.3	
					20.0		92.8	
			SM			SILTY SAND, (SM) Light gray, fine grained, saturated, medium dense to dense, some clay		5.3
22	80				21.0		91.8	
			CL-ML			SILTY CLAY, (CL-ML) Light gray, saturated, medium plasticity		24.1
24					24.0		88.8	
					25.0		87.8	

Bottom of borehole at 25.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-73

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/29/19 **COMPLETED** 7/29/19
GROUND ELEVATION 111.16 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 5.00 ft / Elev 106.16 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 92035.96
NOTES
EASTING (NH SP ft 1983) 1107099.92

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0								
			SP-SM		1.5	SAND, (SP-SM) Brown to dark brown, fine grained, moist, loose, some silt	109.7	0
2	70		SP-SM		3.5	SAND, (SP-SM) Light brown to tan, fine grained, moist, loose, some silt	107.7	0
4					5.0 ▽		106.2	
6		SB19-73 (5-7.25)	SM			SILTY SAND, (SM) Light gray, fine grained, saturated, medium dense, little clay		0.4
8	90							0
10					9.5		101.7	
					10.0		101.2	
12	80		SM			SILTY SAND, (SM) Light blackish gray, fine grained, saturated, medium dense, little clay, black silt specs throughout		0
14					14.0		97.2	0
					15.0		96.2	
16	0					Sleeve stuck, no sample recovered		
18								
20					20.0		91.2	
			SW		21.0	GRAVELLY SAND, (SW) Brown, fine to coarse grained, saturated, medium dense	90.2	0.2
22	80		CL-ML			SILTY CLAY, (CL-ML) Light gray, saturated, medium plasticity		0.3
24					24.0		87.2	
					25.0		86.2	
26		SB19-73 (25-27)	GW			GRAVEL, (GW) Gray, saturated, loose, some fine sand		0.1
28	40				27.0		84.2	
30					30.0		81.2	

Bottom of borehole at 30.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-74

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/29/19 **COMPLETED** 7/29/19
GROUND ELEVATION 111.51 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 5.00 ft / Elev 106.51 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 91956.31
NOTES
EASTING (NH SP ft 1983) 1107101.1

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0								
			SP		0.2	SAND, (SP) Brown, fine grained, moist, loose, some silt	111.3	0.1
2	70		SP-SM			SAND, (SP-SM) Light tan, fine grained, moist, loose, some silt		0
4					3.5		108.0	
					5.0 ▽		106.5	
6	80		SM			SILTY SAND, (SM) Dark tan, fine grained, saturated, medium dense, little clay		0.2
8								0.1
10					9.0		102.5	
					10.0		101.5	
12	90	SB19-74 (12.25-14.5)	SM			SILTY SAND, (SM) Gray, fine grained, saturated, medium dense, little clay		0.5
14								1.2
					14.5		97.0	
					15.0		96.5	
16			SM		15.2	SILTY SAND, (SM) Gray, fine grained, saturated, medium dense, little clay, sleeve stuck, minimal sample recovered	96.3	0
18	4							
20					20.0		91.5	
			SM		20.2	SILTY SAND, (SM) Gray, fine grained, saturated, medium dense, little clay, sleeve stuck, minimal sample recovered	91.3	0
22	4							
24					25.0		86.5	

Bottom of borehole at 25.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

BORING NUMBER SB19-75

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/31/19 **COMPLETED** 7/31/19
GROUND ELEVATION 111.86 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 7.00 ft / Elev 104.86 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 92038.22
NOTES
EASTING (NH SP ft 1983) 1107068

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0			SM		0.3	SILTY SAND, (SM) Dark brown, fine grained, dry, loose	111.6	
			SW		1.0	SAND, (SW) Light brown, fine to medium grained, dry, loose, little fine gravel	110.9	10.8
2			SM		2.0	SILTY SAND, (SM) Dark brown, fine grained, moist, loose	109.9	
	80		SM			SILTY SAND, (SM) Light brown to pale brown, fine grained, moist, loose		1
4					4.0		107.9	
					5.0		106.9	
6		SB19-75 (5-7.5)	SM		6.5	SILTY SAND, (SM) Pale brown, fine grained, moist to wet, medium dense	105.4	248.6
8	100		ML			▽ SANDY SILT, (ML) Pale brown, fine grained, wet		3
10					10.0		101.9	
12			SM			SILTY SAND, (SM) Pale brown, fine grained, saturated, medium dense		13.2
	100							4.2
14					15.0		96.9	
16			SM			SILTY SAND, (SM) Pale brown, fine grained, saturated, medium dense, higher silt content in bottom foot		10
18	100							27.5
20					20.0		91.9	
			ML		21.5	SANDY SILT, (ML) Pale brown, fine grained, saturated	90.4	2.5
22			CL-ML			SILTY CLAY, (CL-ML) Light brownish gray, saturated, medium plasticity		7.1
	80							
24					24.0		87.9	
					25.0		86.9	
26			CL-ML			SILTY CLAY, (CL-ML) Light brownish gray, saturated, medium plasticity, thin lenses of f-m sand		5.5
28	100				28.0		83.9	
		SB19-75 (28-30)	SP		29.5	SAND, (SP) Light gray, fine to medium grained, saturated, loose, some clay	82.4	0.5
30			SM		30.0	SILTY SAND, (SM) Light gray, fine grained, wet, medium dense	81.9	
			SW			SAND, (SW) Light brown, fine to coarse grained, saturated, loose		
32					31.5		80.4	2
	50		GW		32.5	GRAVEL, (GW) Light brown, fine to coarse grained, saturated, loose, some fine to coarse sand	79.4	
34								
					35.0		76.9	

Bottom of borehole at 35.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-78

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/31/19 **COMPLETED** 7/31/19
GROUND ELEVATION 112.29 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 6.00 ft / Elev 106.29 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 91919.91
NOTES
EASTING (NH SP ft 1983) 1106964.19

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0			SM		0.5	SILTY SAND, (SM) Dark brown, fine grained, dry, loose, little fine gravel	111.8	
2	90		SM			SILTY SAND, (SM) Light orangeish brown to pale whiteish brown, fine grained, moist, medium dense		2.1
4					4.5		107.8	2.1
					5.0		107.3	
6	100		SP			▽ SAND, (SP) Pale brown and light gray, fine to medium grained, moist to wet, medium dense, some silt		4.6
8								7.6
10					10.0		102.3	
12	100		SP			SAND, (SP) Grayish brown with dark gray, fine to medium grained, saturated, medium dense, some silt, odor, blackish color at ~ 13 ft bgs		118.6
14								431.3
					15.0		97.3	
16	100	SB19-78 (17.5-20)	SP-SM			SAND, (SP-SM) Light gray, fine grained, saturated, medium dense, some silt, odor		2000
18								2000
20					20.0		92.3	
22	80		CL-ML			SILTY CLAY, (CL-ML) Light gray, saturated, medium plasticity, odor		206.6
								494.7
24					24.0		88.3	
					25.0		87.3	

Bottom of borehole at 25.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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BORING NUMBER SB19-UST

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/11/19 **COMPLETED** 7/11/19
GROUND ELEVATION 113.71 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 7.00 ft / Elev 106.71 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 92288.59
NOTES
EASTING (NH SP ft 1983) 1107088.3

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0								
			SP		0.5	SAND, (SP) Dark brown, fine grained, dry, loose, some crushed asphalt	113.2	1.7
2	60		SP-SM			SAND, (SP-SM) Light brown and light orangeish brown, fine grained, dry, some silt		0.7
4					3.0		110.7	
					5.0		108.7	
6	40		SP			SAND, (SP) Light brown, fine grained, moist to wet, loose, trace gravel		0.5
8					7.0 ▽		106.7	
10					10.0		103.7	
			SP		10.5	SAND, (SP) Light brown, fine grained, wet, loose, trace gravel, little clay	103.2	0.7
12	10							
14					15.0		98.7	
16	60	SB19-UST (16.5-18)	SP			SAND, (SP) Light brown, fine grained, saturated, loose		2.2
18					18.0		95.7	3
20					20.0		93.7	
22	80	SB19-UST (22-24)	SP			SAND, (SP) Brown, fine to medium grained, saturated, loose, trace gravel		2.4
24					24.0		89.7	2.4
					25.0		88.7	

Bottom of borehole at 25.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

WELL NUMBER UW19-01U

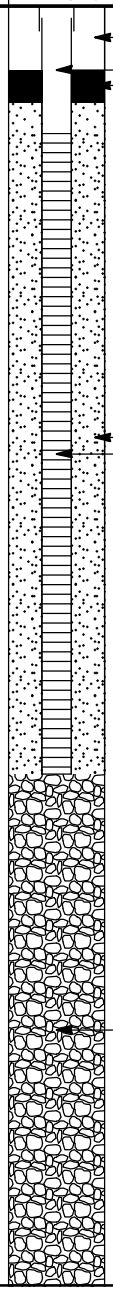
CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/9/19 **COMPLETED** 7/9/19
GROUND ELEVATION 111.6 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 5.00 ft / Elev 106.60 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 92234.68
NOTES Soil boring SB19-07
EASTING (NH SP ft 1983) 1106666.56

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)
0								
			SP-SM			SAND, (SP-SM) Dark brown, fine grained, dry, loose		6.8
					1.8		109.8	
2			SP-SM			SAND, (SP-SM) Light brown, fine grained, moist, loose, some silt		0.3
	54				2.7		108.9	
4								
					5.0 ▽		106.6	
6			SM			SILTY SAND, (SM) Light brown, fine grained, wet, loose		6.6
	80	SB19-07 (7-9)						6.7
8								
					9.0		102.6	
10					10.0		101.6	
			SP-SM			SAND, (SP-SM) Pale brown, fine to medium grained, wet, loose, some silt		10.5
12								
	96				12.8		98.8	
		SB19-07 (12.8-14.8)	CL-ML			SILTY CLAY, (CL-ML) Light gray, moist, medium plasticity, some fine sand		25.3
14								
					14.8		96.8	
					15.0		96.6	
16			SW-SC			SAND, (SW-SC) Pale brown, fine to coarse grained, wet to saturated, loose to medium dense, some clay, little gravel, several ~2" clay lenses		8.1
	90							
18								15.2
					19.5		92.1	
20					20.0		91.6	

Bottom of borehole at 20.0 feet.

WELL DIAGRAM

Casing Top Elev: 114.85 (ft)
Casing Type: Steel Casing



NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

WELL NUMBER UW19-02U

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/9/19 **COMPLETED** 7/9/19
GROUND ELEVATION 112.91 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 5.00 ft / Elev 107.91 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 92349.37
NOTES Soil boring SB19-08
EASTING (NH SP ft 1983) 1106834.81

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0					Feet BGS		Casing Top Elev: 116.09 (ft) Casing Type: Steel Casing
2	70	SB19-08 (7-9)	SP		SAND, (SP) Light brown to dark brown, fine grained, dry, loose, little gravel 1.8 — 111.2 SAND, (SP) Light brown, fine to medium grained, moist, loose	0 0.2	Cement 1" dia. PVC Riser Bentonite Seal
4			SP		3.5 — 109.4		
6	80		SP		5.0 ▽ — 107.9 SAND, (SP) Pale brown, fine to medium grained, wet, loose	0.1	Filter Sand 1" dia. 10-Slot PVC Screen
8			SP		7.0 — 105.9 SAND, (SP) Pale brown, fine grained, wet, loose, orange around 7-7.25 ft bgs	0.1	
10					9.0 — 103.9 10.0 — 102.9		
12	80		SP		SAND, (SP) Pale brown, fine grained, saturated, loose 12.0 — 100.9 SAND, (SP) Light orangeish brown, fine grained, saturated, loose	0 0.1	Native Backfill
14			SP		14.0 — 98.9		
					15.0 — 97.9		

Bottom of borehole at 15.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

WELL NUMBER UW19-03U

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/26/19 **COMPLETED** 7/26/19
GROUND ELEVATION 111.77 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
AT TIME OF DRILLING 9.00 ft / Elev 102.77 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 91515.01
NOTES Soil boring SB19-68R
EASTING (NH SP ft 1983) 1107137.15

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)	WELL DIAGRAM
0									Casing Top Elev: 114.84 (ft) Casing Type: Steel Casing
			SM		0.3	SILTY SAND, (SM) Dark brown, fine grained, moist, loose	111.5		
			SW		1.0	GRAVELLY SAND, (SW) Brown, fine to coarse grained, dry, loose	110.8	0	
2						SILTY SAND, (SM) Light brown and light gray, fine grained, moist, medium dense, little gravel			
	80		SM					0	Filter Sand
4					4.0		107.8		
					5.0		106.8		1" dia. PVC Riser
6			SM		6.0	SILTY SAND, (SM) Light brown, fine grained, moist, medium dense, little gravel, peat lense at ~ 6 ft	105.8	0.7	
			SW		6.5	GRAVELLY SAND, (SW) Brown, fine to coarse grained, dry, loose	105.3		Bentonite Seal
			OH		7.0	PEAT, (OH) Dark brown, moist, Spongy, some fine sand, odor	104.8		
8	80		SW		7.5	GRAVELLY SAND, (SW) Dark brown, fine to medium grained, moist, loose	104.3	0	
			SM		9.0 ▽	SILTY SAND, (SM) Pale brown to light orangeish brown, fine grained, moist to wet, medium dense, little gravel, black peat lense at ~8 ft	102.8		
10					10.0		101.8		
			SC-SM			SILTY CLAY, (SC-SM) Light brownish gray, saturated, low plasticity, some fine to coarse sand, little gravel		0	
12		SB19-68R (11.5-13)							
	60							0	
14					13.0		98.8		Filter Sand
					15.0		96.8		1" dia. 10-Slot PVC Screen
16			SW			GRAVELLY SAND, (SW) Brown, fine to coarse grained, saturated, loose		0.7	
					16.8		95.0		
18	55	SB19-68R (16.75-17.75)	SW		17.8	SAND, (SW) Light gray to orangeish brown, fine to coarse grained, saturated, loose	94.0	0.4	
20					20.0		91.8		

Bottom of borehole at 20.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

WELL NUMBER UW19-04U

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/26/19 **COMPLETED** 7/26/19
GROUND ELEVATION 113.13 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 9.00 ft / Elev 104.13 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 91885.72
NOTES Soil boring SB19-70
EASTING (NH SP ft 1983) 1107010.01

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)	WELL DIAGRAM
0									Casing Top Elev: 116.23 (ft) Casing Type: Steel Casing
			SM		1.3	SILTY SAND, (SM) Dark brown to brown, fine grained, dry, loose, some gravel	111.9	0	
2	80		SM			SILTY SAND, (SM) Pale brown, fine grained, moist, medium dense		0.4	Filter Sand
4					4.0		109.1		
					5.0		108.1		1" dia. PVC Riser
6			SM			SILTY SAND, (SM) Pale brown, fine grained, moist to wet, medium dense, little gravel, odor, lenses of dark brown peat and f-m sand at ~ 6.5, 7.5 and 9 ft bgs		13.2	Bentonite Seal
8	80							0.9	
					9.0 ▽		104.1		
10					10.0		103.1		
		SB19-70 (10-12.5)	SM			SILTY SAND, (SM) Grayish brown to light gray, fine grained, saturated, loose, trace gravel, odor, pieces of black silt throughout		0.9	
12	50				12.5		100.6		
14									Filter Sand
					15.0		98.1		1" dia. 10-Slot PVC Screen
			SP			SAND, (SP) Black, fine grained, saturated, loose, and gravel		167.8	
16					16.0		97.1		
		SB19-70 (16-17)	SM			SILTY SAND, (SM) Gray, fine grained, saturated, medium dense, odor		298.7	
18	40				17.0		96.1		
20					20.0		93.1		

Bottom of borehole at 20.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

WELL NUMBER UW19-05U

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/31/19 **COMPLETED** 7/31/19
GROUND ELEVATION 112.22 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
AT TIME OF DRILLING 7.50 ft / Elev 104.72 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 92053.96
NOTES Soil boring SB19-76
EASTING (NH SP ft 1983) 1107047.11

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)	WELL DIAGRAM
0									Casing Top Elev: 114.81 (ft) Casing Type: Steel Casing
			SM		0.8	SILTY SAND, (SM) Dark brown, fine grained, dry, loose	111.5	1.2	
2			SP		2.0	SAND, (SP) Light brown, fine to medium grained, moist, loose, little fine gravel	110.2		
	70		SP		3.0	SAND, (SP) Dark brown, fine to medium grained, moist, loose, little fine gravel, odor, peat lenses	109.2	1.3	
4			SP		3.5	SAND, (SP) Light brown, fine to medium grained, wet, loose, some fine to medium gravel	108.7		Filter Sand
					5.0		107.2		1" dia. PVC Riser
6						SANDY SILT, (ML) Pale brown, fine grained, wet to saturated		0	
8	100		ML			▽			Bentonite Seal
10					10.0		102.2	2.4	
						SILTY CLAY, (SM) Pale brown to light gray, fine grained, saturated, medium dense		14.1	
12									
	100		SM					0.7	
14					15.0		97.2		1" dia. 10-Slot PVC Screen
16		SB19-76 (15-17.5)				SILTY SAND, (SM) Pale brown, fine grained, saturated, medium dense, some clay		19.1	Filter Sand
	100		SM					6.7	
18									
20					20.0		92.2		
		SB19-76 (20-22.25)				SILTY CLAY, (CL-ML) Light gray, saturated, medium plasticity, odor odor, odor, thin lenses of f-m sand		51.8	
22			CL-ML						Bentonite
	90							34.8	
24					24.5		87.7		
					25.0		87.2		

Bottom of borehole at 25.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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Woodard & Curran
40 Shattuck Road, Suite 110
Andover, Massachusetts

WELL NUMBER UW19-06U

CLIENT Town of Salem, New Hampshire
PROJECT NAME Former Waste Water Treament Facility PDI
PROJECT NUMBER 0231841
PROJECT LOCATION Salem, New Hampshire
DATE STARTED 7/31/19 **COMPLETED** 7/31/19
GROUND ELEVATION 112.73 ft AMSL **HOLE SIZE** 3 in.
DRILLING CONTRACTOR New England Boring Contractors, Inc
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
▽ **AT TIME OF DRILLING** 10.00 ft / Elev 102.73 ft
LOGGED BY S. O'Grady **CHECKED BY** S. Olney
NORTHING (NH SP ft 1983) 91998.08
NOTES Soil boring SB19-77
EASTING (NH SP ft 1983) 1106958.31

DEPTH (ft)	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	Feet BGS	MATERIAL DESCRIPTION		PID (ppm)	WELL DIAGRAM
0									Casing Top Elev: 115.89 (ft) Casing Type: Steel Casing
			SM			SILTY SAND, (SM) Dark brown, fine grained, dry, loose, little fine gravel		2.7	
					1.5		111.2		
2	90		SM			SILTY SAND, (SM) Light orangeish brown to pale whiteish brown, fine grained, moist, medium dense		0.7	
4					4.5		108.2		Filter Sand
					5.0		107.7		1" dia. PVC Riser
6			SM			SILTY SAND, (SM) Pale brown, fine grained, moist, medium dense		4.2	
					6.3		106.5		
8	100		SP			SAND, (SP) Pale brown and light gray, fine to medium grained, moist to wet, medium dense, little silt		7.7	Bentonite Seal
10					10.0 ▽		102.7		
12	10		SP-SM			SAND, (SP-SM) Light gray, fine grained, wet, medium dense, some silt, sleeve stuck, minimal sample recovered		580.4	
14					15.0		97.7		Filter Sand 1" dia. 10-Slot PVC Screen
16	100	SB19-77 (15-17.5)	SM			SILTY SAND, (SM) Pale brown, fine grained, saturated, loose, odor		2000	
18								1012	
					19.5		93.2		
20			CL-ML		20.0	SILTY CLAY, (CL-ML) Light gray, saturated, medium plasticity, odor	92.7		

Bottom of borehole at 20.0 feet.

NOTES:Field screening conducted using a Photoionization Detector PID) equipped with an 11.7 eV lamp with a benzene correction factor of 0.6. Readings reported as 0 ppmv are representative of less than the minimum detection level of 0.1 ppmv.

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APPENDIX D.3

WELL SURVEY REPORT

JOB# 190299D

FORMER WASTEWATER TREATMENT FACILITY
346 SOUTH BROADWAY, SALEM, NH
PREPARED BY WSP

Project No: 190299D
Date Printed: 9/17/2019
Client: Woodard & Curran

Horizontal Datum: New Hampshire State Plane Coordinate System NAD83
Vertical Datum: NAVD88

Instruments: Total Station - Leica TS16
Automatic Level - Nikon AP-8
Data Collector - Leica Viva
GPS - Leica GS16

Field Crew: J. Lapointe
G. Abagis
T. Odowd
R. Zarnowski
C. Gerber

Project Manager: M. Soucy

David P. Prince, L.L.S. September 17, 2019
Reg. No. 977
WSP USA, Inc.

SURVEY PROJECT DESCRIPTION

WSP conducted this monitoring well survey utilizing a combination of GPS and on the ground field survey using the latest in conventional survey equipment. All coordinate values are reported in relationship to the New Hampshire State Plane Coordinate System of NAD 83 and vertically on NAVD 88. WSP used horizontal and vertical control points previously established by this office to perform the survey.

Differential leveling was implemented to establish elevations on all survey control to be used and the ground, rim and pvc elevation for each well. All vertical locations were collected using a Nikon AP-8 Automatic Level. All data obtained by differential leveling is reported to the 0.01' elevation. A peg test was performed prior to each visit on site to check the calibration of the equipment being used.

The horizontal positions for the monitoring wells were collected using a Leica TS06 Total Station and Leica Viva Data Collector and/or with a Leica GS16 Real Time Kinematic GPS Unit. All data is reported to the nearest 0.1' horizontally.

All set up information, level notes and sketches were recorded in a field book at the time of the survey. At the end of each day the field crew downloaded the data collector and made copies of all field book pages.

All values shown below are provided in U.S. Survey Feet

DESCRIPTION	NORTHING	EASTING	GRND ELEV.	RIM ELEV.	PVC ELEV.
MW 1D	92083.28	1106773.3	105.35	109.46	108.67
MW 1S	92075.3	1106770.5	105.37	108.66	108.66
MW 2	92469.9	1106945.8	111.67	114.46	114.18
MW 4/GZ 301	92169.7	1107145.3	113.79	116.61	116.52
MW 4	92172.9	1107153.4	113.76	117.09	116.81
MW 6	92170.0	1106931.3	112.73	115.85	115.55
MW 7S	92229.3	1107059.5	114.23	117.29	116.98
MW 8R	92282.3	1107110.0	114.67	117.15	116.96
MW 19-01U	92520.3	1106986.6	110.97	113.47	113.34
MW 19-02L	92441.9	1107101.1	112.44	114.86	114.74
MW 19-02U	92442.8	1107105.5	112.45	114.99	114.87
MW 19-03U	91529.0	1107285.5	110.65	113.20	113.04
MW 19-04U	91746.1	1107284.7	110.83	113.31	113.20
MW 19-05U	91893.3	1107121.9	112.03	115.10	114.88
MW 19-06L	91888.8	1106973.0	112.93	115.56	115.39
MW 19-08U	92349.4	1106834.8	112.91	116.09	115.83
UW 19-01U	92234.7	1106666.6	111.60	114.85	114.64
UW 19-02U	92349.4	1106834.8	112.91	116.09	115.83
UW 19-03U	91515.0	1107137.2	111.77	114.84	114.67
UW 19-04U	91885.7	1107010.0	113.13	116.23	116.00
UW 19-05U	92054.0	1107047.1	112.22	114.81	114.68

DESCRIPTION	NORTHING	EASTING	GRND ELEV.	RIM ELEV.	PVC ELEV.
UW 19-06U	91998.1	1106958.3	112.73	115.89	115.58
PZ 19-2	92338.2	1106668.1	111.44	114.29	NO PVC
PZ 19-6	92475.5	1106877.9	107.34	108.81	NO PVC
PZ 19-7	91980.9	1106749.5	106.94	108.56	NO PVC
GZ 1B	92395.8	1107280.7	114.34	116.82	NO PVC
GZ 1L	COULD NOT FIND				
GZ 1U	92406.3	1107277.4	114.57	117.64	117.21
GZ 2	91952.4	1106897.8	113.13	116.47	114.06
GZ 2L	91953.0	1106904.9	113.36	115.82	115.48
GZ 3A	91640.7	1106950.2	111.83	113.93	113.61
GZ 3B	91641.2	1106969.1	111.91	113.35	NO PVC
GZ 3L	91636.6	1106961.2	111.71	113.96	113.97
GZ 4L	91359.2	1106977.8	110.51	112.27	112.31
GZ 4U	91352.7	1106975.2	110.38	112.46	112.31
GZ 5R	91467.3	1107159.3	111.80	114.16	113.71
GZ 6	91578.0	1107510.0	112.49	115.21	114.80
GZ 8U	92083.9	1107474.0	111.96	115.19	115.26
GZ 9L	92236.9	1106761.9	114.26	NO CASING	114.91
GZ 9U	92241.9	1106769.0	114.27	116.30	115.99
GZ 10L	91816.2	1106449.3	111.94	114.38	114.24
GZ 10U	91819.2	1106448.4	111.75	114.23	114.13
GZ 102	91534.1	1106967.3	112.55	114.84	114.56
GZ 201L	92249.0	1106898.9	111.58	114.19	114.05
GZ 202L	92089.9	1107052.5	113.09	115.52	114.88
GZ 203L	92318.7	1106750.2	113.53	116.88	116.56
GZ 303L	92441.4	1106927.6	111.21	114.48	114.31
GZ 401L	91473.8	1107161.0	111.83	114.78	114.72
GZ 403L	91241.2	1106795.8	111.32	113.96	113.76
GZ 403U	91241.2	1106795.8	111.32	113.96	113.87
GZ 404L	91552.4	1106728.1	109.90	112.70	112.52
GZ 404U	91552.4	1106728.1	109.90	112.70	112.65
GZ 405L	91997.6	1107123.0	111.33	114.57	114.51
GZ 405U	91997.3	1107123.1	111.33	114.57	114.26
GZ 407L	91853.5	1107299.0	110.40	114.13	113.80
GZ 407U	91853.5	1107299.0	110.40	114.13	114.53
GZ 410	91881.6	1106873.0	110.24	113.23	113.03
GZ 501U	92031.2	1107263.3	111.47	114.50	114.09
GZ 505LR	92004.5	1107088.4	112.02	114.89	114.45
GZ 508U	91954.7	1107127.0	111.87	114.68	114.55
GZ 601U	91962.4	1107031.1	112.51	115.27	115.07
GZ 603U	92013.9	1107096.8	111.86	114.63	114.47
GZ 606U	91989.9	1107015.8	112.66	115.70	115.50
GZ 607L	91997.3	1107060.8	111.94	115.12	115.00
GZ 607U	91997.0	1107057.2	112.09	114.66	114.70

DESCRIPTION	NORTHING	EASTING	GRND ELEV.	RIM ELEV.	PVC ELEV.
GZ 609L	92019.2	1107020.8	113.08	115.67	115.57
GZ 609U	92020.3	1107024.2	113.36	116.48	116.26
GZ 610U	92012.0	1107071.3	112.11	115.02	114.92
GZ 611L	92065.6	1107151.0	110.73	113.48	113.53
GZ 611U	92063.7	1107148.0	110.68	113.89	113.92
GZ 612U	91906.5	1107024.4	112.87	115.33	115.24
GZ 615U	92075.2	1107076.2	112.72	115.24	115.10
GZ 616U	92062.4	1106993.2	113.17	115.62	115.46
GZ 618 U	91783.1	1107051.8	112.33	114.74	114.74
GZ 620U	92064.7	1106887.9	111.81	113.69	113.45
GZ 701L	91105.0	1106989.3	107.74	110.56	109.97
GZ 701U	91105.0	1106989.3	107.74	110.56	110.38
GZ 802US	91976.9	1107046.0	111.53	114.09	113.93
GZ 901L	92484.2	1106674.0	111.10	113.86	113.79
GZ 901U	92484.1	1106676.0	111.09	113.92	113.78
GZ 902D	92347.1	1106517.0	111.50	114.05	113.92
GZ 902M	92362.0	1106519.0	111.86	113.15	113.06
GZ 902U	92342.0	1106521.0	112.02	114.40	114.34
GZ 903U	92392.5	1106433.0	110.97	110.97	110.67
GZ 904U	92581.3	1106563.0	116.30	COULD NOT OPEN	
GZ 905L	92422.6	1106597.0	111.61	114.49	114.36
GZ 905U	92424.6	1106596.0	111.76	114.52	114.37
GZ TW-1L	91988.4	1107027.5	111.81	114.32	114.06
GZ TW-1U	91988.4	1107027.5	111.81	114.32	114.18
HSB 19-1	92351.1	1106630.7	106.75		
HSB 19-2	92338.6	1106667.6	109.92		
HSB 19-2-2	92362.4	1106686.6	110.55		
HSB 19-3	COULD NOT FIND. POSSIBLY LABELED AS HSB 19-2-2				
HSB 19-4	92349.5	1106776.6	111.09		
HSB 19-4-2	92340.1	1106726.7	109.58		
HSB 19-5	92107.7	1106743.0	134.48		
HSB 19-6	92341.5	1106762.3	111.42		
HSB 19-8	92361.2	1106797.2	110.32		
SB 19-01	92520.6	1106985.7	110.60		
SB 19-02UL	92442.8	1107103.1	112.24		
SB 19-05	91893.3	1107121.9	111.68		
SB 19-06	91887.5	1106972.5	112.49		
SB 19-07	92234.3	1106664.5	108.78		
SB 19-08	92349.4	1106834.8	109.72	TWO STAKES LABELED 19-08	
SB 19-08-2	92335.4	1106860.5	110.82	TWO STAKES LABELED 19-08	
SB 19-10	92372.1	1107134.3	112.98		
SB 19-11	92411.2	1107010.7	111.51		
SB 19-12	92414.7	1106870.7	110.07		
SB 19-13	92291.3	1107039.8	113.42		

DESCRIPTION	NORTHING	EASTING	GRND ELEV.	RIM ELEV.	PVC ELEV.
SB 19-14	92295.3	1107090.0	113.40		
SB 19-15	92286.3	1107095.3	113.79		
SB 19-16	92289.9	1107090.5	113.33		
SB 19-17	92294.0	1107087.4	113.39		
SB 19-18	92298.1	1107089.2	113.49		
SB 19-19	92296.7	1107093.0	113.22		
SB 19-19 UST	92288.6	1107088.3	113.71		
SB 19-20	92243.6	1106813.0	110.79		
SB 19-21	92145.1	1106782.3	111.23		
SB 19-22	92173.1	1106788.6	110.20		
SB 19-23	92100.5	1106796.7	111.75		
SB 19-24	92050.9	1106822.3	112.07		
SB 19-25	92157.1	1106904.8	111.70		
SB 19-26	91765.8	1106981.7	112.01		
SB 19-27	91724.9	1106975.9	111.65		
SB 19-28	91746.7	1106935.3	112.23		
SB 19-29	91662.5	1106971.0	111.03		
SB 19-30	91633.1	1106979.9	111.52		
SB 19-31	91626.8	1106952.6	111.80		
SB 19-32	91651.0	1106943.6	111.40		
SB 19-33	91643.4	1106961.4	111.46		
SB 19-34	91670.0	1107154.0	111.60		
SB 19-35	91692.8	1107150.5	111.26		
SB 19-36	91723.5	1107107.9	112.18		
SB 19-37	91761.5	1107086.0	110.65		
SB 19-38	91666.1	1107014.9	112.21		
SB 19-39	91697.2	1107060.7	111.65		
SB 19-40	91720.6	1107031.1	112.14		
SB 19-41	91753.3	1107141.9	111.34		
SB 19-42	91785.7	1107122.9	111.05		
SB 19-43	91829.2	1107103.8	111.86		
SB 19-44	91867.7	1107097.6	112.06		
SB 19-45	91810.6	1107086.4	111.39		
SB 19-46	91853.8	1107035.5	112.59		
SB 19-47	91879.9	1107036.2	112.65		
SB 19-48	91918.0	1107019.7	112.67		
SB 19-49	91944.3	1106965.0	112.31		
SB 19-50	91846.0	1107078.2	111.70		
SB 19-51	91888.3	1107070.8	111.59		
SB 19-52	91915.3	1107096.0	111.55		
SB 19-53	91924.7	1107063.0	111.84		
SB 19-54	91977.7	1107008.1	112.34		
SB 19-55	91990.7	1107031.6	111.37		
SB 19-56	91993.6	1107015.1	112.17		

DESCRIPTION	NORTHING	EASTING	GRND ELEV.	RIM ELEV.	PVC ELEV.
SB 19-57	92018.3	1106993.4	112.58		
SB 19-58	92037.8	1107005.0	112.67		
SB 19-59	92022.4	1107023.9	112.88		
SB 19-60	92024.7	1107048.2	112.17		
SB 19-61	92007.7	1107052.3	112.14		
SB 19-62	91981.7	1107065.8	111.83		
SB 19-63	91957.0	1107065.4	111.47		
SB 19-64	92012.5	1107096.0	111.68		
SB 19-65	92004.0	1107131.5	111.00		
SB 19-66	91914.4	1107166.4	110.98		
SB 19-67	91970.4	1107170.5	110.40		
SB 19-68	91515.5	1107135.6	111.56		
SB 19-68R	91515.5	1107135.6	111.56		
SB 19-69	91784.1	1107045.2	112.08		
SB 19-70	91886.4	1107011.8	112.74		
SB 19-71	91988.6	1106979.1	111.99		
SB 19-72	92043.6	1107028.6	112.78		
SB 19-73	92036.0	1107099.9	111.16		
SB 19-74	91956.3	1107101.1	111.51		
SB 19-75	92038.2	1107068.0	111.86		
SB 19-76	92055.0	1107047.5	111.84		
SB 19-77	91998.9	1106959.3	112.32		
SB 19-78	91919.9	1106964.2	112.29		
SW 1	92671.2	1107195.3	103.15		
SW 2	90968.4	1106689.4	101.63		
SG 902	92351.1	1106546.0	116.41		
SMH 1	92338.4	1106863.8	111.81		
SMH 2	92073.1	1106957.6	112.54		
SMH 3	92052.4	1106958.3	111.99		
UMH	92256.8	1107078.3	114.35		

APPENDIX D.4

GROUNDWATER SAMPLING FIELD DOCUMENTATION – JUNE 2019

GFS **GEOLOGICAL FIELD SERVICES, INC.**

July 2, 2019

Ms. Samantha Olney
Woodard and Curran
40 Shattuck Road Suite 110
Andover, MA 01810

RE: Salem NH FWTF.

Dear Ms. Olney:

From June 24, 2018 through June 27, 2018 and July 2, 2019, Geological Field Services, Inc. (GFS) conducted environmental field activities at the Former Waste Water Treatment Facility in Salem New Hampshire. GFS developed newly installed monitoring wells GZ-10UR and GZ-10LR, collected groundwater water samples from the list of locations provided by Woodard & Curran for the June Groundwater Monitoring Permit (GMP). All work was conducted according to the scope of work provided by Woodard and Curran. The following is a description of all related field activities.

Monitoring Well Development
On June 25, 2019 GFS developed the newly installed ground monitoring wells GZ-10UR and GZ-10 LR. The monitoring wells were surged using virgin HDPE tubing and a TuBaH foot valve equipped with a surge block. The wells were surged to restore the connection with the aquifer and remove fines from the wells. The Surge block was removed, and the foot valve was used to pump the accumulated fine material from the bottom of the well. When the purge water started to clear the foot valve was removed from the tubing and a whale pump was used to rapidly remove water from the well. The wells were developed until a minimum of five well volumes were removed, or the turbidity of the wells dropped. Field parameters were recorded at five to ten-gallon purge intervals and recorded on field sheets copies are attached in Appendix A.

Ground Water Sampling
From June 24, 2018 through June 27, 2018 and July 2, 2019, GFS collected ground water samples from the list of wells on the June GMP provided by Woodard & Curran. Ground water wells were sampled in accordance with EPA low stress sampling protocol. Prior to purging, the ground water level and total depth of the monitoring well were measured to the nearest 0.01-foot using an electronic water level sensing device. The recorded measurements were used to calculate the volume of standing water in the well. Prior to purging, all wells were examined for the presence of free-phase petroleum product and dense non-aqueous phase liquids (DNAPL) by observing the condition of the water level indicator when it was withdrawn from the well. No free-phase petroleum product or DNAPL was observed. Samples were collected using dedicated HDPE tubing in the wells. If the well did not have dedicated tubing virgin HDPE tubing was installed in the wells with the sample intake set at five-feet off the bottom of the well in the screened interval.

Each monitoring well was then purged using a Geotech peristaltic pump and HDPE tubing. The Geotech pump was started at the lowest setting and well drawdown was measured, the pump speed was increased and the drawdown was measured. Efforts were made to minimize the drawdown on the well. Field parameters were measured using a YSI model 556 meter Turbidity was measured using a Hach 2100Q, Apera TN400 or Lamotte 2020E Turbidity meters. All field equipment was calibrated at the start of the day, field calibration sheets are attached in Appendix B. Field parameters were measured when water started to discharge from the flow through cell and at five-minute intervals thereafter. Wells were purged until the field parameters stabilized at that time the flow through cell was disconnected and the sample water was pumped directly in to the sample containers. Field sampling sheets are attached in Appendix C. On wells that also require the analysis of PFAS compounds the PFAS sample was collected first and returned to the cooler prior to the filling of any other sample containers. During the sampling activities Field Duplicate-1 was collected from monitoring well MW-1D for PFAS analysis, Field Duplicate-2 was collected from monitoring well GZ-607U for VOC analysis. Field Duplicate-3 was collected from GZ-3L for 1-4 Dioxane analysis. Field Duplicate -4 was collected from GZ-609U for VOC analysis and Field Duplicate -5 was collected from MW-7S for PCB analysis. A matrix spike and matrix spike duplicate (MS/MSD) for PFAS analysis was collected from monitoring well MW-1S, the MS/MSD for VOCs was collected from GZ-505LR, the MS/MSD for 1-4 dioxane was collected from GZ-3B and the MS/MSD for PCBs was collected from MW-8R. GFS returned to the site on July 2, 2019 to resample monitoring wells MW-3 and GZ-1U for PFAS analysis. Samples were packed on ice and delivered via courier to Alpha Analytical Laboratories on June 25 and 27, 2019 and July 2, 2019 copies of the chains-of-custody are attached in Appendix D.

Please contact me if you have any questions.

Sincerely:
GEOLOGICAL FIELD SERVICES, INC.



Ryan MacKay
Senior Geologist
18193_0619_June GMP_GW

APPENDIX A

Geological Field Services, Inc.
~~Low Flow Well Sampling Data~~ Development

Project ID: SALEM FWTP
Location:
Sampler: NF
Weather:

Well Number: GZ-10LR
Date:
Time:

Protective Casing Present	Y	N	Cement Pad Present	Y	N
Protective Casing Locked	Y	N	Standing Water	Y	N
Cap on Well Riser	Y	N	Visible Heaving	Y	N
Physical Damage	Y	N	Visible Subsidence	Y	N

Comment: PRE POST Development

Depth to Water:	8.5	8.25	Type of Protective Casing:	RB	SU
Depth to Product:			Measuring Point:	TOC	TPC
Total Depth:	30.4	31.4			
Water Column:	21.9		Well Volume:	3.8	

Development/Purge Device: TUBAH / WHALEPUMP

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1436	14.88	356	9.04	27.9	6.36	—	—	5
1500	12.66	396	11.36	27.3	6.12	—	—	10
1515	12.73	361	10.07	29.8	6.04	—	—	15
1530	12.75	376	11.07	28.7	6.13	—	—	20
1545	12.66	374	8.70	24.4	6.02	402	—	30
								~~35~~

Color:
Odor:

Sheen: Y N
Turbidity: L M H VH

Volume Purged:
Duration:

Sample Collection Date: / / Time:

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
~~Low Flow Well Sampling Data~~ Development

Project ID: FWTF
Location: Salem NH
Sampler: N. Federico
Weather: rain

Well Number: GZ 10UR
Date: 6/25/19
Time: 1338

Protective Casing Present	(Y)	N	Cement Pad Present	(Y)	N
Protective Casing Locked	(Y)	N	Standing Water	Y	(N)
Cap on Well Riser	(Y)	N	Visible Heaving	Y	(N)
Physical Damage	Y	(N)	Visible Subsidence	Y	(N)

Comment: Developing GZ 10 UR 2" well

	PRE	POST
Depth to Water:	9.65	10.85
Depth to Product:	/	/
Total Depth:	17.85	17.79
Water Column:	7.6	

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: PRE 1.2 | POST

Development/Purge Device: Whale Pump / Tubing Surge block

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1340	13.35	475	12.86	554	7.23	—	—	0
								2.5
								5
								7.5
1430	13.43	1727	10.62	328	5.69	—	DRY	10
1440	13.13	1156	15.01	581	5.69	—	DRY	15
1505	14.55	911	11.23	647	5.58	—	—	20
~~1520~~	~~13.55~~	~~374~~						~~25~~
1535	12.30	1477	13.4	198	5.85	752	—	25

Color:
Odor:

Sheen: Y N
Turbidity: L M H VH

Volume Purged:
Duration:

Sample Collection Date: / / Time:

Remarks: well goes dry faster than getting clear

Signature of Sampler:

APPENDIX B

Daily Calibration Form

DATE 6-24-19	Site SALEM FWTF		Event JUNE		
Water Quality Meter	Type YSI 556		Form Completed by RM		
Kit # 1	Sonde #	Display #	Form Checked by		

Standard	Lot #	Expiration Date	Standard	Lot #	Expiration Date
pH 4	8GE 424	5/2020	ORP	960822	JAN 2020
pH 7	76L 372	Dec 2019	SpC Cond	86H 834	Aug 2019
pH 10	86D 929	Apr 2020	Comments		

pH

Standard	4	7	10	Comments
Pre	4.25	7.11	10.32	
Cal	4.00	7.00	10.00	
Mid day	\	\	\	
End of Day Drift	\	7.05	\	

Dissolved Oxygen

Standard	100%	0 mg/L	Comments
Pre	109.9	\	
Cal	99.9		
Mid day	\		
End of Day Drift	103.2		

Oxidation Reduction Potential

Standard	Temp	Value	240	Comments (ORP= (1.3(25-T)+231)
Pre	17.34	240.1		
Cal	17.34	240		
Mid day	\	\	\	
End of Day Drift	17.35	240	251	OK

Specific Conductivity

Standard	1000	Comments
Pre	1035	
Cal	1000	
Mid day	\	
End of Day Drift	1019	OK

Turbidity

Standard	Low	Mid	High	V. High	Check	Comments
Value	0.2	20	100	800	20	
Pre	—	—	—	—	—	
Cal	0.2	20	100	800	20.3	OK
Mid day	—	—	—	—	—	
End of Day Drift		—	—	—	20.50	OK

Model	APEXA TN400
Serial #	1043

Standard	Expiration Date
	\

Daily Calibration Form

DATE 6/24/19	Site FWTF Salem NH		Event		
Water Quality Meter	Type YSI 556 MPS		Form Completed by		
Kit # 2	Sonde # 05L2002 AI	Display #	Form Checked by		

Standard	Lot #	Expiration Date	Standard	Lot #	Expiration Date
pH 4	8GE424	May 2020	ORP	9GA444	OCT 2019
pH 7	7GL372	DEC 2019	SpC Cond	8GH834	Aug 2019
pH 10	8GD929	APRIL 2020	Comments		

pH

Standard	4	7	10	Comments
Pre	3.86	7.10	9.89	
Cal	4.00	7.00	9.99	
Mid day	\	\	\	
End of Day Drift	3.98	7.17	10.19	

Dissolved Oxygen

Standard	100%	0 mg/L	Comments
Pre	112%		
Cal	99.3%		
Mid day	\	\	
End of Day Drift	57.8		

Oxidation Reduction Potential

Standard	Temp	Value	[illegible]	Comments (ORP= (1.3(25-T)+231)
Pre	23.74	332.6	265	
Cal	/	232.4		
Mid day	\	\	\	
End of Day Drift	23.56	229.8	215.5	

Specific Conductivity

Standard	1000	Comments
Pre	1060	
Cal	1000	
Mid day		
End of Day Drift	968	

Turbidity

Standard	Low	Mid	High	V. High	Check	Comments
Value	10	20	100	800	/	
Pre	8.96	19.8	100	796		
Cal	9.04	20	100	814		Cal with 20 100 800 check with 10 40 verify
Mid day	~~9.02~~	~~19~~	—			
End of Day Drift	9.02	19.3	97.3	773		

Model	HACH 2100Q	
Serial #	14030C031613	
Standard		Expiration Date
10	120 AG1108 AG1108	July 19
100	AG1105	
800	AG1107	↓

Daily Calibration Form

DATE 6/25/2019	Site SALE ON FWTF		Event JUNE E		
Water Quality Meter	Type SAME AS 6/24		Form Completed by RM		
Kit # 1	Sonde #	Display #	Form Checked by		

Standard	Lot # SAME AS 6/24	Expiration Date	Standard	Lot # SAME AS 6/24	Expiration Date
pH 4			ORP		
pH 7			SpC Cond		
pH 10			Comments		

pH

Standard	4	7	10	Comments
Pre	3.98	6.98	10.2	
Cal	4.0	7.0	10.01	
Mid day	—	—	—	
End of Day Drift	—	7.05	—	

Dissolved Oxygen

Standard	100%	0 mg/L	Comments
Pre	131.2	—	
Cal	99.8	—	
Mid day	—	—	
End of Day Drift	97.5	—	

Oxidation Reduction Potential

Standard	Temp	Value		Comments (ORP= (1.3(25-T)+231)
Pre	17.44	240		
Cal	17.44	240		
Mid day	—	—	—	
End of Day Drift	17.4	246		

Specific Conductivity

Standard	1000	Comments
Pre	944	
Cal	1000	
Mid day	—	
End of Day Drift	1069	

Turbidity

Standard	Low	Mid	High	V. High	Check	Comments
Value	0.2	20	100	~~800~~	20	
Pre	—	—	—	—		
Cal	0.2	20	100	800	19.98	
Mid day	—	—	—	—		
End of Day Drift	—	—	—	—	19.75	

Model	SAME AS 6/24	
Serial #		
Standard		Expiration Date
SAME AS 6/24		

Daily Calibration Form

DATE 6/25/19	Site FeTF Salem NH	Event	
Water Quality Meter	Type YSI 556 MPS	Form Completed by	
Kit # 2	Sonde # 05L2002 AI	Display #	Form Checked by

Standard	Lot #	Expiration Date	Standard	Lot #	Expiration Date
pH 4	8GE424	May 2020	ORP	9GA444	OCT 2019
pH 7	7GL372	DEC 2019	SpC Cond	8GH834	Aug 2019
pH 10	8GD929	APR 2020	Comments		

pH

Standard	4	7	10	Comments
Pre	4.07	7.08	9.29	
Cal	4.00	7.00	9.90	
Mid day				
End of Day Drift	3.92	6.96	9.97	

Dissolved Oxygen

Standard	100%	0 mg/L	Comments
Pre	98.1		Low Bat rdg
Cal	100.7		
Mid day			
End of Day Drift	125.1		4 rdg

Oxidation Reduction Potential

Standard	Temp	Value		Comments (ORP= (1.3(25-T)+231)
Pre	19.84	233.4	2	
Cal				
Mid day		233.4		
End of Day Drift	21.10	226.2	247.8	

Specific Conductivity

Standard	1000	Comments
Pre	949	
Cal	1000	
Mid day		
End of Day Drift	1021	

Turbidity

Standard	Low	Mid	High	V. High	Check	Comments
Value	10	20	100	800		
Pre	9.01	19.8	101	776		
Cal	9.19	20.0	99.9	780		Cal w/ in 20 ICL 900 w/ in 10% acc.
Mid day						
End of Day Drift	10.4	22.6	104	786		

Model	HACH 2100Q	
Serial #	14030C031613	
Standard		Expiration Date
10	120 A4105 A4106	2019 10
100	A4105	
800	A4108	

Daily Calibration Form

DATE 6/26/19	Site SALEM FWTF		Event JUNE GMP		
Water Quality Meter	Type SAM		Form Completed by RM		
Kit # 1	Sonde # SAME	Display # SAME	Form Checked by RM		

Standard	Lot # SAME	Expiration Date	Standard	Lot # SAME	Expiration Date
pH 4			ORP		
pH 7			SpC Cond		
pH 10			Comments		

pH

Standard	4	7	10	Comments
Pre	3.97	7.01	9.82	
Cal	4.00	7.00	10.00	
Mid day	—	—	—	
End of Day Drift	—	7.04	—	

Dissolved Oxygen

Standard	100%	0 mg/L	Comments
Pre	89.1	/	
Cal	99.5	/	
Mid day	/	/	
End of Day Drift	93.9	/	

Oxidation Reduction Potential

Standard	Temp	Value		Comments (ORP= (1.3(25-T)+231)
Pre	17.5	240		
Cal	17.5	240		
Mid day	/	/	/	
End of Day Drift	17.5	231.7		

Specific Conductivity

Standard	1000	Comments
Pre	1026	
Cal	1000	
Mid day	/	
End of Day Drift	1015	

Turbidity

Standard	Low	Mid	High	V. High	Check	Comments
Value	012	20	100	800	20	
Pre	012	/	/	/	/	
Cal	012	20	100	800	20.2	
Mid day	/	/	/	/	/	
End of Day Drift	/	/	/	/	19.8	

Model	SAME	
Serial #	SAME	
Standard		Expiration Date
SM		

Daily Calibration Form

DATE 6/12/2019	Site FieTF Salem NH	Event	
Water Quality Meter	Type YSI 556 MPS	Form Completed by	
Kit # 2	Sonde # 05L2088 Display #	Form Checked by	

Standard 2	Lot #	Expiration Date	Standard	Lot #	Expiration Date
pH 4	8GE424	May 2020	ORP	9GA444	OCT 2019
pH 7	7GL272	DEC 2019	SpC Cond	8GH834	Aug 2019
pH 10	8GD989	April 2020	Comments		

pH

Standard	4	7	10	Comments
Pre	4.20	6.80	9.10	High temperature
Cal	4.00	7.00	10.02	Cal ok
Mid day				
End of Day Drift	4.30	7.03	10.66	All pH drift by ~0.4 Clean

Dissolved Oxygen

Standard	100%	0 mg/L	Comments
Pre	105.5		
Cal	99.8		
Mid day			
End of Day Drift	95.8		Low [redacted]

Oxidation Reduction Potential

Standard	Temp	Value	235.3	Comments (ORP= (1.3(25-T)+231)
Pre	21.65	235.0		
Cal		~~235.3~~	235.3	
Mid day				
End of Day Drift	26.26	229.7	229.4	

Specific Conductivity

Standard	1000	Comments
Pre	902	
Cal	1000	
Mid day		
End of Day Drift	974	

Turbidity

Standard	Low	Mid	High	V. High	Check	Comments
Value	10	20	100	1300		
Pre	9.91	19.1	102	790		
Cal	9.78	20.0	98.9	795		Cal with 20 standard with DWQ meter
Mid day						
End of Day Drift	11.9	24.6	119.	809		High humidity fogs glass

Model	HACH 2100Q
Serial #	14030C033013

Standard		Expiration Date
10 120	AM15C 44KG	Sept 19
100	AM05	
800	AU100A	↓

Daily Calibration Form

DATE 6/27/19	Site SALEM FWTF	Event JUNE GRP Monthly	
Water Quality Meter	Type	Form Completed by Ry	
Kit # 1	Sonde # SAME	Display #	Form Checked by

Standard	Lot # SAME	Expiration Date	Standard	Lot # SAME	Expiration Date
pH 4			ORP		
pH 7			SpC Cond		
pH 10			Comments		

pH

Standard	4	7	10	Comments
Pre	3.90	6.89	10.00	
Cal	4.0	7.0	10.0	
Mid day	—	—	—	
End of Day Drift	—	6.98	—	

Dissolved Oxygen

Standard	100%	0 mg/L	Comments
Pre	98.1	—	
Cal	99.6	—	
Mid day	—	—	
End of Day Drift	98.5	—	

Oxidation Reduction Potential

Standard	Temp	Value		Comments (ORP= (1.3(25-T)+231)
Pre	17.5	240		
Cal	17.5	240		
Mid day	—	—		
End of Day Drift	17.5	231		

Specific Conductivity

Standard	1000	Comments
Pre	1025	
Cal	1000	
Mid day	—	
End of Day Drift	1009	

Turbidity

Standard	Low	Mid	High	V. High	Check	Comments
Value	0.2	20	100	800	20	
Pre	~~0.2~~	~~20~~	~~100~~	~~800~~	19.99	
Cal	0.2	20	100	820	19.5	
Mid day	—	—	—	—	—	
End of Day Drift	—	—	—	—	19.79	

Model	SAME		
Serial #	SAME		
Standard		Expiration Date	

Daily Calibration Form

DATE 6/27/19	Site SALEM FWTF		Event JUNE GMP		
Water Quality Meter	Type		Form Completed by NF		
Kit # 2	Sonde # SAMP	Display #	Form Checked by		

Standard	Lot # SAME	Expiration Date	Standard	Lot #	Expiration Date
pH 4			ORP		
pH 7			SpC Cond		
pH 10			Comments		

pH

Standard	4	7	10	Comments
Pre	3.83	7.72	9.93	
Cal	4.00	7.0	9.99	
Mid day				
End of Day Drift	3.84	6.99	10.17	PH 4 LOW PH 10 HIGH

Dissolved Oxygen

Standard	100%	0 mg/L	Comments
Pre	129.4		
Cal	100.3		
Mid day			
End of Day Drift	87.9		LOW

Oxidation Reduction Potential

Standard	Temp	Value	238.2	Comments (ORP= (1.3(25-T)+231)
Pre	28.99	[illegible]	240.2	
Cal	✓		238.8	
Mid day				
End of Day Drift	27.43	207.8	218.6	LOW

Specific Conductivity

Standard	1000	Comments
Pre	949	
Cal	1000	
Mid day		
End of Day Drift	985	

Turbidity

Standard	Low	Mid	High	V. High	Check	Comments
Value	10	20	100	800		
Pre	9.01	19.4	102	774		
Cal	9.31	20.3	98.6	788		CALIBRATED WITH 20, 100, 800 NTU VERIFY WITH 10 NTU
Mid day						
End of Day Drift	9.21	20.7	98.5	738		

Model	SAMP
Serial #	SAME

Standard	Expiration Date

Daily Calibration Form

DATE 7/2/19	Site FWTF Salem NH	Event	
Water Quality Meter	Type YSI 556 MPS	Form Completed by	Nick Federico
Kit #	Sonde # 05L2002 AH	Display #	Form Checked by

Standard	Lot #	Expiration Date	Standard	Lot #	Expiration Date
pH 4	8GE424	May 2020	ORP	9GA444	OCT 2019
pH 7	7GL372	DEC 2019	SpC Cond	8GH834	Aug 2019
pH 10	8GD929	APR 2020	Comments		

pH

Standard	4	7	10	Comments
Pre	3.79	7.15	9.92	
Cal	4.00	7.00	9.99	
Mid day	3.84	6.92	10.10	pH 7 low.
End of Day Drift	↓	↓	↓	b

Dissolved Oxygen

Standard	100%	0 mg/L	Comments
Pre	94.6		
Cal	99.2		
Mid day			
End of Day Drift	85.2		DO low

Oxidation Reduction Potential

Standard	Temp	Value	YSI Value	Comments (ORP= (1.3(25-T)+231)
Pre	22.11	231.7	225.0	
Cal	~~X~~	~~X~~	233.3	
Mid day				
End of Day Drift	20.38	229.7	225	ORP low

Specific Conductivity

Standard	1000	Comments
Pre	950	
Cal	1000	
Mid day		
End of Day Drift	1013	

Turbidity

Standard	Low	Mid	High	V. High	Check	Comments
Value	10	20	100	800		
Pre	9.20	21.0	98.7	731		
Cal	9.50	20.0	101	796		Cal was run at 10:30 am, 10 min after
Mid day						
End of Day Drift	9.62	20.3	99.4	786		

Model	HACH 2100Q	
Serial #	14030C033613	
Standard		Expiration Date
10	120 AU/CC AU/KC	July 19
100	AU/CS	
800	AU/CC	

APPENDIX C

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: SALEM FWTP
Location: SALEM NH
Sampler: RM
Weather: Sunny 70

Well Number: MW-15
Date: 6-24-19
Time: 1225

Protective Casing Present (Y) N
Protective Casing Locked Y (N)
Cap on Well Riser Y (N)
Physical Damage (Y) N

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: _____

Depth to Water: 4.08
Depth to Product: —
Total Depth: NM
Water Column: —

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: —

Development/Purge Device: Grotech

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal. L
1225	13.01	170	2.01	-21.2	6.37	36.1	0.1	0.5
1230	11.99	163	0.56	-28.5	6.01	15.5	0.1	2.0
1235	11.82	151	0.50	-32.2	6.01	15.6	0.1	3.5
1240	11.75	152	0.51	-33.1	6.00	4.9	0.1	5.0
1245	11.73	151	0.50	-33.6	5.93	4.2	0.1	6.5
1250	11.73	151	0.50	-33.9	6.00	4.0	0.1	8.0

Color: Clear
Odor: None

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 8 L
Duration: 25 min

Sample Collection

Date: 6/24/19
Time: 1250

Remarks: Collect MS-MSD PFAS

Signature of Sampler: _____

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: SALEM FW3F
Location: SALEM NH
Sampler: RM
Weather: Sunny 70

Well Number: MW-1D
Date: 6-24-19
Time: 1300

Protective Casing Present (Y) N
Protective Casing Locked Y (N)
Cap on Well Riser Y (N)
Physical Damage (Y) N

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: TUBing should get REPLACED

Depth to Water: 3.69
Depth to Product: —
Total Depth: NM
Water Column:

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume:

Development/Purge Device: Geotech 2

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge ~~gal~~
1300	11.56	408	3.21	-30.3	5.25	31.2	0.2	0.5
1305	10.81	521	3.00	-63.9	6.39	30.5	0.2	2.0
1310	10.47	652	0.46	-77.0	6.46	9.9	0.2	3.5
1315	10.61	690	0.40	-90.1	6.54	7.0	0.2	5.0
1320	10.60	693	0.41	-90.2	6.55	6.3	0.2	7.5
1325	10.65	702	0.40	-99.2	6.59	6.0	0.2	9.0
1330	10.69	704	0.41	-101.5	6.60	3.9	0.2	10.5
1335	10.68	704	0.42	-101.6	6.60	3.8	0.2	12.0

Color: CLEAR
Odor: None

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 12.0C
Duration: 35MN

Sample Collection

Date: 6/24/19
Time: 1335

Remarks: Collect DUP-1

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: FWTF
Location: Salem NH
Sampler: M. Federico
Weather: Sunny/Cloudy

Well Number: MW-3
Date: 7/2/19
Time: 800

Protective Casing Present (Y) N
Protective Casing Locked Y (N)
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: Installed Virgin HDPE tubing a 1/2" + 8" S.S. screen

Depth to Water: 8.03
Depth to Product: /
Total Depth: 17.0
Water Column: 8.08

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 1.32

Development/Purge Device: Geotech Pump

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
815	11.68	115	3.24	360.6	5.43	100	0.1	0
820	11.29	116	1.16	365.0	3.62	216	0.1	0.50
825	11.50	118	1.05	339.8	3.46	9.89	0.1	0.75
830	11.63	116	1.01	306.0	4.36	8.31	0.1	1.0
835	11.92	116	1.00	272.3	4.80	7.68	0.1	1.25
840	12.17	117	1.00	259.9	4.97	9.24	0.1	1.75
845	12.08	115	0.96	241.6	5.09	8.34	0.1	2
850	12.12	114	0.95	213.0	5.16	3.35	0.1	2.5
855	12.23	117	0.92	202.4	5.22	2.80	0.1	3
900	3.05	111	0.90	208.8	5.24	2.39	0.1	3.5

Color: Clear
Odor: no

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 3.5
Duration: 45

Sample Collection

Date: 7/2/19
Time: 905

Remarks: Sample for PFAS by 537 only. High humidity intermittently fogs the bottle vial, increasing NTU

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: FWTF
Location: SALEM NH
Sampler: RM
Weather: Sunny 80

Well Number: MW-6
Date: 6/26/15
Time: 1418

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser Y (N)
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment:

Depth to Water: 8.61
Depth to Product: —
Total Depth: 16.70
Water Column: 8.09

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 1.32

Development/Purge Device: Geotech

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal L
1415	15.01	501	4.76	45.1	6.21	41.6	0.2	0.5
1420	15.67	706	3.01	47.7	6.13	24.2	0.2	2.0
1425	15.31	770	1.55	54.2	6.17	12.0	0.3	~~3.0~~ 3.5
1430	16.67	807	1.38	58.5	6.15	6.9	0.3	~~5.0~~ 5.0
1435	16.36	921	1.35	58.2	6.16	4.0	0.3	6.5
1440	16.28	967	1.27	69.1	6.11	3.8	0.3	8.0
1445	16.29	966	1.28	69.2	6.12	3.5	0.3	9.5
1450	16.30	965	1.28	69.1	6.15	3.4	0.3	11.0

Color: CLEAR
Odor: None

Sheen: Y (N)
Turbidity (L) M H VH

Volume Purged: ~~9.5~~ 11.0
Duration: 30 min

Sample Collection

Date: 6/26/15
Time: ~~1457~~ 1450

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: FWTF
Location: SALEM NJ
Sampler: fm
Weather: OVERCAST 60

Well Number: MW-75
Date: 6.27.15
Time: 730

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: Removed OLD Well Installed new 1/4 Hole

Depth to Water: 10.67
Depth to Product: —
Total Depth: 17.71
Water Column: 7.09

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 1.16

Development/Purge Device: Geo

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge ~~gal~~ L
740	14.00	251	4.06	68.2	7.01	56	0.2	0.5
745	14.01	263	4.21	69.3	6.35	73		2.0
750	14.01	287	2.19	69.1	6.32	38		3.0
755	13.91	293	1.98	68.2	6.37	20		4
800	13.92	294	1.74	65.0	6.35	10.4		5
805	13.91	296	1.78	65.2	6.32	7.3		6
810	13.92	298	1.78	65.6	6.37	6.0	↓	7
815	14.00	300	1.48	66.4	6.38	0.20		8
820	14.01	304	1.49	67.2	6.36	0.25		9
825	14.01	305	1.45	67.3	6.39	0.16	↓	10

Color: CLEAR
Odor: NONE

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 10L
Duration: 45min

Sample Collection

Date: 6/27/15
Time: 825

Remarks: PCB with Dup-5

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: Fuff
Location: Salem NH
Sampler: N. Federico
Weather: Cloudy

Well Number: MW-8R
Date: 6/27/19
Time: 815

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser Y (N)
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: Installed 20ft of HDPE tubing with 8" silicone removed tubing and bailer

Depth to Water: 10.56
Depth to Product: ✓
Total Depth: 16.26
Water Column: 6.29

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 1.03

Development/Purge Device: Geotech Pump

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
835	12.89	186	3.96	260.2	4.80	18.5	0.5	0
845	13.83	167	3.66	273.5	5.44	3.59	0.7	0.5
850	13.88	175	3.68	318.7	5.50	1.93	0.7	1.0
855	13.79	185	3.63	314.0	5.52	1.62	0.7	1.5
900	13.88	188	3.57	307.7	5.54	1.13	0.7	2.0
905	13.95	192	3.50	300.2	5.57	1.09	0.7	2.5
910	13.98	203	3.46	294.6	5.59	0.81	0.7	3.5

Color: Clear
Odor: NO

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 35
Duration: 35

Sample Collection

Date: 6/27/19
Time: 915

Remarks: Sample for PCBs only / collected MS/MSD as MS- MW-8R ASD-MW-8R

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: Fuel F
Location: Salem NH
Sampler: N. Federico
Weather: Sun

Well Number: GZ-1U
Date: 7/2/19
Time: 915

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: 1.5" well Installed Virgin HDPE tubing ~ 18' + 8" silicone

Depth to Water: 10.90
Depth to Product: —
Total Depth: 17.88
Water Column: 7.88

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 0.66

Development/Purge Device: Geotech Pump

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
930	13.82	133	3.97	352.7	5.34	23.7	0.65	0
940	14.33	137	2.83	302.8	4.01	10.6	1.10	0.5
945	14.80	142	2.88	310.0	4.45	5.03	1.25	1.25
950	13.94	144	2.98	313.1	4.34	4.87	1.45	1.5
955	14.05	146	2.95	313.1	4.33	3.76	1.55	1.75
1000	13.80	148	3.03	309.9	4.39	3.80	1.60	2

Color: Clear
Odor: NO

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 2
Duration: 30

Sample Collection

Date: 7/2/19
Time: 1005

Remarks: Sample for PFOS 537 only

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: FWTF
Location: Salem NH
Sampler: N Federico
Weather: rain

Well Number: GZ 1L
Date: 6/25/19
Time: 1130

Protective Casing Present	(Y)	N	Cement Pad Present	(Y)	N
Protective Casing Locked	Y	(N)	Standing Water	Y	(N)
Cap on Well Riser	Y	(N)	Visible Heaving	Y	(N)
Physical Damage	Y	(N)	Visible Subsidence	Y	(N)

6.5"

Comment: open borehole, sunfished HDPE tubing 8" steel casing
flat tubing down as far as possible ~50'

Depth to Water: 10.60
Depth to Product: —
Total Depth: ~88
Water Column: ~77.4

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: ~134 gal

Development/Purge Device: Geotech pump

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
~~1205~~								
1200	13.12	500	6.78	104.3	7.53	-	0	0
1215	13.14	503	5.00	108.5	7.52	139	0	.75
1220	13.04	506	4.42	-2.7	7.54	128	0	1.5
1230	13.03	514	3.93	-51.6	7.58	136	0	2
1235	14.22	517	3.51	-80.6	7.60	139	0	2.5
1240	14.13	519	3.40	-79.6	7.60	131	0	2.75
1245	14.01	520	3.30	-80.6	7.64	130	0	3
1250	13.95	522	2.99	-85.6	7.65	131	0	3.25
1255	13.04	520	2.85	-86.6	7.66	127	0	3.5

Color: clear
Odor: no

Sheen: Y (N)
Turbidity: L M (H) VH

Volume Purged: 3.5
Duration: 55

Sample Collection

Date: 6/25/19
Time: 1300

Remarks: sample for PFAS only by 537
NO odor & bit more cloudy 1300

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: SALEM FUTF
Well Number: GZ-2
Location: NJ
Date: 6-26-19
Sampler: RM
Time: 1100
Weather: P. SUNNY

Protective Casing Present	(Y)	N	Cement Pad Present	(Y)	N
Protective Casing Locked	Y	(N)	Standing Water	Y	(N)
Cap on Well Riser	Y	(N)	Visible Heaving	Y	(N)
Physical Damage	Y	(N)	Visible Subsidence	Y	(N)

Comment: ~~Collection Depth 4 feet~~

Depth to Water: 3.42
Depth to Product: —
Total Depth: 22.45
Water Column: 19.03

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 3.1

Development/Purge Device: Geotech

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal. L
1100	12.16	105	6.21	98.2	6.31	156	0.3	0.5
1105	12.24	62	3.00	121.5	6.05	87	0.3	1.5
1110	12.28	63	2.19	106.9	6.00	26	0.3	2.0
1115	12.25	65	1.06	131.2	5.50	15.2	0.3	3.0
1120	12.26	68	0.54	129.7	5.17	5.2	0.3	4.0
1125	12.25	67	0.53	135.2	5.16	3.1	0.3	5.0
1130	12.24	66	0.51	137.9	5.12	3.0	0.3	6.0
1135	12.24	65	0.49	138.1	5.13	0.21	0.3	7.0
1140	12.24	66	0.48	138.2	5.12	0.21	0.3	8

Color: CLEAR
Odor: NONE

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 8.0
Duration:

Sample Collection

Date: 6/26/19
Time: 1140

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: ~~FER FMTF~~
Location: SALEM NH
Sampler: RM
Weather: OVRCST 67-72

Well Number: GZ-2L
Date: 6-26-17
Time: 1145

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser (X) (N)
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment:

Depth to Water: 9.03
Depth to Product:
Total Depth: 69.30
Water Column: 60.27

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 9.8

Development/Purge Device: Geoh

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal
1145	12.6	86	4.01	92.1	5.26	39.7	c2	0.5
1150	12.8	73	2.96	106.9	5.05	31.2	0.2	1.5
1155	12.9	62	3.00	138.2	5.17	14.6	0.2	2.5
1200	12.8	54	3.15	139.2	5.18	9.23	0.2	3.5
1205	12.9	56	3.00	139.1	5.20	3.99	↓	4.5
1210	12.6	55	2.65	138.2	5.21	2.01		5.5
1215	12.8	54	2.61	137.9	5.22	1.00		6.5
1220	12.8	54	2.60	136.1	5.2	1.00		7.1

Color: Clear
Odor: N

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 7.1
Duration: 35

Sample Collection

Date: 6/26/17
Time: 1220

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: FWTF
Location: SALEM NH
Sampler: RM
Weather: Lt RAIN

Well Number: GZ-3A
Date: 6-25-19
Time: 1100

Protective Casing Present (Y) N
Protective Casing Locked Y (N)
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: VOC PFAS

Depth to Water: 6.51
Depth to Product: —
Total Depth: 19.82
Water Column: 13.31

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 2.18

Development/Purge Device: Geotech

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1100	13.37	145	1.01	80.9	6.01	21.6	0.2	0.5
1105	13.35	146	0.80	88.6	6.22	11.5	0.2	1.5
1110	13.16	146	0.69	80.2	6.23	10.6	0.2	3
1115	13.20	148	0.55	63.9	6.25	8.9	0.2	4
1120	13.15	147	0.53	52.1	6.26	6.3	0.2	5
1125	13.09	147	0.52	45.9	6.27	4.2	0.2	6
1130	13.08	146	0.51	45.8	6.26	4.0	0.2	7
1135	13.09	145	0.52	45.6	6.27	3.9	0.2	8

Color: Clear
Odor: None

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 8 C
Duration: 35 min

Sample Collection

Date: 6/25/19
Time: 1135

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: SWTF
Location: SALEM NH
Sampler: RM
Weather: RAIN 60

Well Number: GZ-3C
Date: 6-25-19
Time: 1145

Protective Casing Present (Y) N
Protective Casing Locked Y (N)
Cap on Well Riser Y (N)
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: VOC DIOXANE PFAS
↳ DUP-3

Depth to Water: 7.41
Depth to Product: —
Total Depth: 51.25
Water Column: 43.84

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 4.04

Development/Purge Device: Geotech 2

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1145	12.49	1180	4.10	-9.1	6.31	56	0.2	0.5
1150	12.22	1207	0.20	-43.1	6.48	22	0.2	1.5
1155	12.15	1001	0.16	-50.9	6.54	10.6	0.2	3.0
1200	12.14	863	0.20	-84.3	6.44	10.5	0.2	3.5
1205	12.20	869	0.21	-85.6	6.31	6.3	0.2	4.5
1210	12.21	872	0.23	-84.9	6.34	8.1	0.2	5.5
1215	12.21	873	0.24	-83.2	6.56	4.9	0.2	6.5
1220	12.24	874	0.25	-83.1	6.56	9.6	0.2	8
1225	1225	874	0.20	-83.6	6.57	4.0	0.2	9.5

Color: CLEAR
Odor: NONE

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 9.5
Duration: 40 MIN

Sample Collection

Date: 6/25/19
Time: 1225

Remarks:

Signature of Sampler: R

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: FWTF
Location: SALEM NH
Sampler: RM
Weather: RAIN 60

Well Number: GZ-3B
Date: 6-25-19
Time: 12:45

Protective Casing Present (Y) N
Protective Casing Locked Y (N)
Cap on Well Riser Y (N)
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: 1-4 DUP/EM MS/MSD - INTAKE OF PUMP SET @ APPROX 40' DOWN HOLE AT INTAKE of 60ml/min pump

Depth to Water: 5.51
Depth to Product: —
Total Depth: 7 ~~100~~ 100
Water Column:

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: NM

Development/Purge Device: Geotech

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge ~~gal~~ L
1245	16.92	796	5.92	-26.6	6.70	25	0.2	0.5
1250	14.9	692	6.31	-63	6.81	10.6	0.2	2
1255	13.8	635	~~6.88~~	-105.6	6.95	11.1	0.2	3
1300	13.10	592	0.750	-180.2	7.25	10.2	0.2	4
1305	13.06	566	0.74	-191.6	7.74	8.1	0.2	5
1310	13.06	563	0.73	-190.0	7.75	4.6	0.2	7
1315	13.24	564	0.70	-191.0	7.73	3.9	0.2	9
1320	13.25	563	0.69	-191.5	7.72	3.8	0.2	11

Color: CLEAR
Odor: NONE

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 11 L
Duration: 35min

Sample Collection

Date: 6/25/19
Time: 1320

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: SALEM FWTP
Location: SALEM NH
Sampler: RM
Weather: OVCST GT

Well Number: GZ-5R
Date: 6-24-2019
Time: 955

Protective Casing Present (Y) N
Protective Casing Locked Y (N)
Cap on Well Riser Y (N)
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: 1.5" PVC INSTALLED NEW HOLE / SILICON

Depth to Water: 6.01
Depth to Product: —
Total Depth: 16.25
Water Column: 10.24

Type of Protective Casing: ~~RB~~ (SU)
Measuring Point: (TOC) TPC

Well Volume: 1.67

Development/Purge Device: BRADEN

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge ~~gal~~ L
955	12.18	90	5.35	88.7	5.95	206	0.2	0.5
1000	12.24	88	1.26	88.2	5.90	100	0.2	1.5
1005	12.25	88	1.36	88.1	5.98.2	96.3	0.2	2.5
1010	12.26	89	1.35	88.6	5.94	55.2	0.2	3.5
1015	12.20	88	1.50	106	5.45	22.1	0.2	4.5
1020	12.15	89	1.61	109.2	5.44	18.6	0.2	6.0
1025	12.13	88	1.75	112.6	5.48	15.9	0.2	7.5
1030	12.13	88	1.73	113.2	5.46	14.2	0.2	9.0
1035	12.14	89	1.92	116.3	5.43	6.3	0.2	10.5
1040	12.20	88	1.91	116.5	5.42	9.1	0.2	12.0
1045	12.20	89	1.90	115.6	5.41	4.0	0.2	13.5
1050	12.20	88	1.92	115.6	5.42	9.0	0.2	15.0

Color: CLEAR
Odor: NO

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 15.0L
Duration: ____

Sample Collection

Date: 6/25/19
Time: 1050

Remarks: ____

Signature of Sampler: ____

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: SALEM FUTF
Location: SALEM NH
Sampler: RM
Weather: P. Sunny 60's

Well Number: GZ-6
Date: 6-25-15
Time: 850

Protective Casing Present (Y) N
Protective Casing Locked Y (N)
Cap on Well Riser Y (N)
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: 1.5" PVC added 2ft HDPE 6" sides

Depth to Water: 5.71
Depth to Product:
Total Depth: 26.2
Water Column:

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume:

Development/Purge Device: Geotech

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal
855	11.04	510	0.15	39.7	5.15	36.6	0.3	0.5
900	11.69	478	0.10	39.0	5.14	42.1	0.4	1.5
905	11.52	673	0.19	21.6	5.21	36.1	0.4	2
~~1000~~910	11.00	644	0.25	20.9	5.26	35.9	0.4	4
915	10.63	702	0.24	18.1	5.25	33.1	0.4	6
920	10.72	741	0.22	12.6	5.31	32.8	0.4	8
925	10.76	767	0.26	11.5	5.43	62	0.4	10
930	10.75	783	0.25	11.8	5.44	41	0.4	12
935	10.76	797	0.24	11.9	5.43	39	0.4	14
940	10.75	793	0.23	12.0	5.47	34	0.4	16

Color: Clear
Odor: None

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged:
Duration:

Sample Collection

Date: 6/25/15
Time: 940

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: SWTF
Location: Salem NH
Sampler: RM
Weather:

Well Number: GZ-8L
Date: 6-25-15
Time: 1400

Protective Casing Present (Y) N
Protective Casing Locked Y (N)
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: 1.5" PVC Ensaleen Virgin Hope & Silicon

Depth to Water: 6.60
Depth to Product: —
Total Depth: 49.63
Water Column:

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume:

Development/Purge Device: Geotech

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge ~~gal~~ L
1400	12.72	1025	5.95	25.1	6.09	115.9	0.2	0.5
1405	12.76	1037	1.54	24.5	6.05	76.2	0.2	1.5
1410	12.75	1026	0.60	18.2	6.06	10.6	0.2	3.0
1415	12.73	1015	0.50	12.9	6.08	9.5	0.2	4.5
1420	12.76	999	0.31	13.6	6.09	9.3	0.2	6.0
1425	12.77	994	0.23	13.1	6.09	3.2	0.2	7.5
1430	12.76	993	0.22	13.2	6.08	3.2	0.2	9.0

Color: Clear
Odor: None

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 9.0
Duration: 30min

Sample Collection

Date: 6/25/15 Time: 1430

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: FWTF
Location: SALEM NH
Sampler: RM
Weather: Sny 70

Well Number: GZ-9L
Date: 6-24-19
Time: 1145

Protective Casing Present (Y) N
Protective Casing Locked Y (N)
Cap on Well Riser Y (N)
Physical Damage (Y) N

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: PC is 2" PVC over well casing Not secure

Depth to Water: 6.01
Depth to Product: —
Total Depth: 36.16
Water Column: 30.59

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 2.8

Development/Purge Device: Geotech

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1145	12.06	954	4.35	51.2	6.41	56	0.1	0.5
1150	12.11	956	5.21	51.1	6.55	38	0.1	2.0
1155	11.87	1075	1.60	51.6	6.56	25	0.1	3.5
1200	10.76	1045	0.54	63.7	6.28	8.9	0.1	5.0
1205	10.76	1047	0.39	65.2	6.28	4.2	0.1	6.5
1210	10.76	1046	0.38	65.4	6.29	3.8	0.1	8.0
1215	10.75	1048	0.39	65.2	6.29	3.6	0.1	9.5

Color: CLEAR
Odor: None

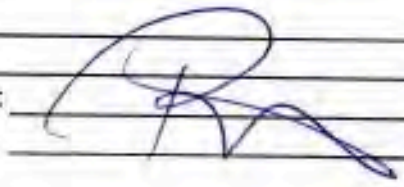
Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 9.5L
Duration: ____

Sample Collection

Date: 6/24/19
Time: 1215

Remarks: ____

Signature of Sampler: 

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: FWTF
Location: Salem NH
Sampler: NFeset CO
Weather: Sunny

Well Number: GZ 10WR
Date: 6/27/19
Time: 1050

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: Purging via ~20' (LDPE) tubing w/in 2" SCH 40 PVC

Depth to Water: 9.83
Depth to Product:
Total Depth: 17.05
Water Column: 7.43

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 1.21

Development/Purge Device: GEOTECH PUMP

Time	Temp Celsius	S.C. umhos/cm	D.O mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal
1100	12.37	1342	7.06	5.75	7.81	28.3	0.4	0
1105	12.15	605	5.90	137.4	5.19	12.3	0.5	0.35
1110	12.35	609	5.60	139.4	5.06	9.48	0.6	0.75
1115	12.41	685	5.00	139.0	4.89	7.34	0.5	1.0
1120	12.45	705	4.50	138.8	5.04	7.83	0.5	1.25
1125	12.39	802	4.28	139.9	5.04	7.04	0.5	1.75
1130	12.36	844	4.05	139.7	5.03	7.85	0.5	2.25
1135	12.61	857	3.95	139.5	5.06	6.79	0.5	2.5
1140	12.38	894	3.64	136.3	5.16	4.94	0.5	2.75
1145	12.82	927	3.50	138.0	5.17	4.80	0.5	3
1150	12.88	943	3.48	118.0	5.17	4.28	0.5	3.25

Color: Clear
Odor: NO

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 3.25
Duration: 50

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: FWTF
Location: Salem, NH
Sampler: N Fessenden
Weather: Sunny

Well Number: GZ 10LR
Date: 6/27/19
Time: 1155

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: Installed 1.35' HWMW 28" Silt Sock (LHPE)

Depth to Water: 8.91
Depth to Product: /
Total Depth: 33.50
Water Column: 24.59

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 4.03

Development/Purge Device: Geotech Pump

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1300	11.95	433	6.38	704	6.20	1000	0	0
1315	12.30	394	2.08	636	6.08	793	0	1.25
1325	12.50	392	1.92	600.6	6.10	629	0	1.75
1335	12.89	392	1.70	551	6.18	473	0	2.25
1345	12.98	391	1.69	487	6.19	388	0	25
1355	12.97	391	1.65	477	6.20	291	0	2.75
1405	13.00	391	1.59	480	6.21	183	0	3
1315	12.91	392	1.50	457	6.21	171	0	3.25
1320	13.06	390	1.48	453	6.22	19.2	0	3.5
1325	12.96	392	1.53	45.3	6.23	19.7	0	3.75
1330	13.04	392	1.53	446	6.23	19.8	0	4

1hr 5min

Color: Red
Odor: NO

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 4
Duration: 1hr 35min

Sample Collection

Date: 6/27/19
Time: 1335

Remarks: got NTU as low as possible within the timeframe
NTU stabilized between 17-30

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: FWTF
Location: SALEM NH
Sampler: RM
Weather: Overcast 65

Well Number: GZ-201L
Date: 8580
Time: 853

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment:

Depth to Water: 7.05
Depth to Product: —
Total Depth: 62.95
Water Column: 54.87

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 8.95

Development/Purge Device: Geotech 2

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal
855	12.38	235	9.39	104.5	6.04	22.6	0.2	0.5
900	12.86	210	4.27	114.6	6.00	18.6	0.2	1.5
905	12.85	202	5.01	118.2	5.51	11.5	0.2	2.5
910	12.94	406	4.01	113.6	5.70	10.6	0.2	3.5
915	13.05	575	9.00	112.6	5.92	5.1	0.2	4.5
920	13.06	573	4.01	110.5	5.91	4.0	0.2	5.5
925	13.21	654	3.72	95.8	6.03	3.9	0.2	6.5
930	13.22	655	3.71	96.1	6.04	3.0	0.2	7.5
935	13.22	656	3.70	96.2	6.04	3.1	0.2	8.5

Color: CLEAR
Odor: NA

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 8.5
Duration: 40 min

Sample Collection

Date: 6/27/19
Time: 935

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: FWTF
Location: Salem NY
Sampler: NFRdesilo
Weather: Sun / Clouds

Well Number: GZ 303
Date: 6/26/19
Time: 1400

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment:

Depth to Water: 8.45
Depth to Product: /
Total Depth: 51.70
Water Column: 43.25

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 7.0 gal

Development/Purge Device: Geotech pump

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1405	12.73	210	6.48	120.4	6.26	3.78	0.2	0
1410	12.05	208	4.00	146.6	5.83	0.94	0.2	0.25
1415	11.96	207	3.61	153.4	5.83	3.76	0.2	0.75
1420	11.99	207	3.37	160.6	5.80	0.86	0.2	1.25
1425	11.90	207	3.07	165.4	5.79	0.96	0.2	1.5
1430	11.87	206	3.04	170.2	5.77	1.03	0.2	1.75
1435	11.86	208	2.99	173.0	5.81	1.38	0.2	2

Color: Clear
Odor: No

Sheen: Y (N)
Turbidity (L) M H VH

Volume Purged: 2
Duration: 30 min

Sample Collection

Date: 6/26/19
Time: 1440

Remarks: Sample for VOC only

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: SALEM FWTP
Location: NH
Sampler: RW
Weather: OVERCAST 65

Well Number: 67-4040
Date: 6/26/19
Time: 930

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser Y (N)
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: 1" PVC

Depth to Water: 7.21
Depth to Product: —
Total Depth: 23.15
Water Column: 15.94

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 0.65

Development/Purge Device: Geofex

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
930	11.6	952	4.08	-23.0	6.58	26.1	0.2	0.5
935	11.7	1024	3.90	-20.0	6.54	20.3	0.2	1.0
940	11.6	1167	2.61	-21.4	6.50	19.2	0.2	1.5
945	11.6	1165	1.61	-28.6	6.59	10.6	0.2	2.0
950	11.1	1162	0.79	-30.5	6.54	6.21	0.2	3.0
955	11.05	1156	0.82	-30.2	6.53	5.05	0.2	4.0
1000	11.09	1151	0.31	-49.6	6.52	3.12	0.2	5.0
1005	11.09	1152	0.0.30	-56.2	6.53	2.04	0.2	6.0
1010	11.04	1153	0.29	-56.8	6.53	1.01	0.2	7.0
1015	11.06	1152	0.24	-56.7	6.54	1.00	0.2	8.0

Color: CLEAR
Odor: NONE

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 8.0
Duration: 45

Sample Collection

Date: 6/26/19
Time: 1015

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: FWTF
Location: Salem NH
Sampler: N. Fedorcsak
Weather: Sunny

Well Number: MW-405(L)
Date: 6/24/19
Time: 9:30

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser Y (N)
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: 1" well

Depth to Water: 4.95
Depth to Product: —
Total Depth: 19.20
Water Column: 14.25

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 0.58

Development/Purge Device: Geotech Pump

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
948	12.87	73	4.68	33.6	5.40	23.6	1.5	0
953	11.73	71	3.75	84.1	4.34	6.78	2.0	0.25
958	11.37	69	3.34	94.0	4.07	6.97	2.1	0.75
1003	11.56	68	3.91	76.6	4.34	3.88	1.9	1.25
1008	11.51	69	3.42	50.4	4.84	2.63	1.5	1.5
1013	11.25	63	3.16	44.3	4.88	3.56	1.4	2.0
1018	11.73	68	2.93	35.7	5.05	2.09	1.3	2.5
1023	11.27	69	2.87	31.5	5.17	2.04	1.3	3.0
1028	11.92	70	2.65	31.3	5.21	1.63	1.3	3.5
1033	11.89	71	2.51	33.3	6.24	1.85	1.3	4

Color: Clear
Odor: Nopes, sewer

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 4
Duration: 45

Sample Collection Date: 6/24/19 Time: 1035

Remarks: VOC only

Signature of Sampler: NF

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: EWTF
Location: Salem NH
Sampler: N. Fedeiro
Weather: Sun

Well Number: GZ 405 L
Date: 6/24/19
Time: 1045

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser Y (N)
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: 2" well

Depth to Water: 7.05
Depth to Product: —
Total Depth: 45.15
Water Column: 37.9

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 6.21

Development/Purge Device: Geotech Pump

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1052	12.33	96	9.73	59.5	5.79	38.4	1.60	0
1102	12.30	117	4.66	79.3	5.31	12.4	1.72	0.05
1107	12.20	166	3.42	60.4	5.50	4.90	1.6	6.50
1112	12.29	198	3.80	45.6	5.66	4.41	1.5	0.75
1117	12.11	208	3.91	38.6	5.71	4.39	1.5	1.00
1122	13.46	210	2.82	37.6	5.74	7.91	1.5	1.25
1127	12.47	219	2.55	38.6	5.79	14.1	1.5	1.5
1132	12.51	222	2.15	36.4	5.83	8.37	1.5	1.75
1137	12.52	225	2.14	33.4	5.85	17.4	1.4	2
1142	12.69	227	2.48	19.2	5.86	24.5	1.4	2.25

Color: Clear
Odor: No

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 2.25
Duration: 50

Sample Collection

Date: 6/24/19
Time: 1148

Remarks: Orange particles flow in well, water is clear after for the duration
VOC only

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: [illegible] PF
Location: Chelsea MH
Sampler: N. Seidel
Weather: Sunny

Well Number: GZ 505 LR
Date: 6/24/19
Time: 1200

Protective Casing Present	(Y)	N	Cement Pad Present	(Y)	N
Protective Casing Locked	(Y)	N	Standing Water	Y	(N)
Cap on Well Riser	Y	(N)	Visible Heaving	Y	(N)
Physical Damage	Y	(N)	Visible Subsidence	Y	(N)

Comment:

Depth to Water: 3.71
Depth to Product: /
Total Depth: 50.88
Water Column: 43.17

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 7.07

Development/Purge Device: Geotech Pump

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1207	11.18	279	3.14	24.7	5.96	2.95	0.3	0
1212	10.92	277	2.40	39.1	5.68	2.09	0.3	0.75
1217	10.84	276	2.68	28.8	5.84	1.98	0.3	1.25
1227	10.38	275	2.66	24.4	5.95	2.09	0.3	1.5
1287	10.95	276	2.99	19.8	6.02	2.37	0.3	2
1233	11.01	277	3.69	16.0	6.08	1.47	0.3	2.5
1237	11.01	277	3.64	15.3	6.10	1.14	0.3	3

Color: Clear
Odor: NO

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 3
Duration: 30

Sample Collection

Date: 6/24/19 Time: 1240

Remarks: Collected MS/MSD as "MS-GZ505LR" "MSD-GZ505LR" (VOC ONLY)

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: FWTF
Location: SALEM NH
Sampler: N Fabiano
Weather: SUNNY

Well Number: GZ-607U
Date: 6/24/19
Time: 1300

Protective Casing Present	(Y)	N	Cement Pad Present	(Y)	N
Protective Casing Locked	(Y)	N	Standing Water	Y	(N)
Cap on Well Riser	Y	(N)	Visible Heaving	Y	(N)
Physical Damage	Y	(N)	Visible Subsidence	Y	(N)

Comment: 1.5" well

Depth to Water: 5.55
Depth to Product: —
Total Depth: 24.33
Water Column: 18.78

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 1.72

Development/Purge Device: Geotech Pump

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1310	13.80	78	10	1086	5.57	9.02	0.2	0
1315	11.89	74	4.83	1296	4.76	3.91	0.2	0.25
1320	13.35	74	3.80	132.9	4.59	3.08	0.3	0.5
1325	12.31	74	3.45	131.3	4.68	1.97	0.3	0.75
1330	12.39	75	3.35	132.6	4.58	1.55	0.3	1.0
1335	18.80	72	3.04	1331	4.60	1.64	0.3	1.25
1340	18.69	73	3.26	1357	4.58	0.63	0.3	1.5

Color: Clear
Odor: NO

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 1.5
Duration: 30'

Sample Collection

Date: 6/24/19
Time: 1345

Remarks: Collected dup as "Dup-2" (VOC only)

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: FWTF
Location: SALEM NH
Sampler: RM
Weather: P.Sun 75

Well Number: 67-609U
Date: 6/26/19
Time: 1245

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser Y (N)
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: 1.5" RC Collect Dup-4 VOC

Depth to Water: 6.04
Depth to Product: —
Total Depth: 23.58
Water Column: 17.54

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 1.61

Development/Purge Device: Geotech

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1245	14.31	405	0.62	10.6	6.15	36.5	0.2	0.5
1250	14.29	361	0.41	15.1	6.19	10.6	0.2	1.5
1255	14.26	365	0.50	28.1	6.28	15.9	0.2	2.0
1300	14.26	351	0.56	30.2	6.10	10.4	0.2	3.0
1305	11.50	304	0.52	31.8	6.08	11.6	0.2	4.0
1310	11.46	292	0.51	30.6	6.07	8.9	0.2	5.0
1315	11.46	257	0.50	35.5	6.08	4.9	0.2	6.0
1335	11.45	256	0.51	35.4	6.10	4.0	0.2	8.0
1340	11.51	255	0.50	35.5	6.11	3.0	0.2	9.0

Color: Clear
Odor: None

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 9L
Duration: 55min

Sample Collection

Date: 6/26/19
Time: 1340

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: FWTF
Well Number: 62-609 L
Location: SALEM N IT
Date: 6/26/19
Sampler: RM
Time: 1342
Weather: SUNNY 75

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser Y (N)
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: LOCK JAMMED HAD TO CUT

Depth to Water: 9.04
Depth to Product: —
Total Depth: 50.20
Water Column: 41.16

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 6.7

Development/Purge Device: GRUNDFOS

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal
1345	13.22	214	0.56	-29.9	6.12	53.1	0.2	0.5
1350	13.44	226	0.59	-29.5	6.08	24.1	0.2	2.0
1355	13.50	235	0.56	-30.6	6.07	18.2	0.2	3.5
1400	13.50	236	0.50	-40.2	6.08	8.0	0.2	5.0
1405	13.50	238	0.51	-40.6	6.00	3.1	0.2	7.0
1410						3.0	0.2	9.0
~~1415~~								
~~1420~~								

Color: CLEAR
Odor: NONE

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 9.0
Duration: 25min

Sample Collection

Date: 6/26/19
Time: 1410

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: FWTP
Location: SALEM NH
Sampler: RM
Weather: Sun 75

Well Number: GZ-612U
Date: 6-24-19
Time: 1355

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment:

Depth to Water: 6.46
Depth to Product: —
Total Depth: 22.80
Water Column: 16.34

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 26

Development/Purge Device: Geo

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1355	14.20	601	0.9	11.8	6.50	38	0.1	0.5
1400	11.18	538	1.0	11.7	6.30	106	0.1	2.0
1405	13.03	520	0.60	-8.6	6.32	58	0.1	3.5
1410	13.06	525	0.50	-8.9	6.31	63	0.1	5.0
1415	13.03	521	0.51	-10.6	6.31	60	0.1	6.5
1420	13.08	512	0.49	-12.0	6.31	53	0.1	8.0
1425	13.09	505	0.39	-12.6	6.30	10.6	0.1	9.5
1430	13.3	498	0.38	-12.8	6.39	5.9	0.1	11.0
1435	13.31	499	0.39	-12.6	6.38	4.8	0.1	13.0
1440	13.30	498	0.38	-12.7	6.39	3.9	0.1	15.0
1445	13.30	499	0.35	-12.8	6.38	3.9	0.1	17.0

Color: CLEAR
Odor: NONE

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 17L
Duration: 50min

Sample Collection

Date: 6/24/19
Time: 1445

Remarks: PFAS +VOC

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: HUSTF
Location: Exeter NH
Sampler: N. Feldt, D
Weather: Sun

Well Number: GZ 80A US
Date: 6/24/19
Time: 1400

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: 1.5" well

Depth to Water: 4.99
Depth to Product: /
Total Depth: 13.31
Water Column: 8.32

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 0.76

Development/Purge Device: Geotech Pump

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1405	13.47	478	1.36	-8.3	5.73	8.29	~~5.90~~	0.25
1410	13.56	496	1.33	-8.0	5.66	5.54	1.00	0.75
1415	13.58	521	1.37	-10.0	5.68	4.78	0.90	1.00
1420	13.48	533	1.41	-8.4	5.71	4.88	0.00	1.25
1425	13.07	512	1.43	-8.7	5.72	4.77	0.85	1.50
1430	13.76	508	1.33	-19.4	5.91	4.39	0.85	1.75
1435	13.61	504	1.42	-12.5	5.83	~~3.65~~	0.85	2.0
1440	13.66	501	1.41	-8.7	5.79	4.57	0.85	2.25

Color: Very pale green
Odor: none

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 2.5
Duration: 35

Sample Collection Date: 6/24/19 Time: ~~1500~~ 1445

Remarks: VOC only

Signature of Sampler: N-

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: FWTF
Location: SALEM NH
Sampler: RM
Weather: Sunny 70

Well Number: GZ-901U
Date: 6-24-19
Time: 1104

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: LOCK STICKS

Depth to Water: 4.09.71
Depth to Product: —
Total Depth: 11.61
Water Column: 6.9

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 1.13

Development/Purge Device: Geoh

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal L
1105	12.09	495	1.01	48.6	6.59	6.8	0.1	0.5
1110	12.05	551	0.67	49.5	6.41	5.2	0.1	2.0
1115	12.06	550	0.69	58.2	6.34	4.9	0.1	3.5
1120	12.06	553	0.62	59.1	6.28	4.0	0.1	5.0
1125	12.09	555	0.61	62.9	6.29	4.0	0.1	6.5
1130	12.06	554	0.59	63.3	6.27	3.8	0.1	8.0

Color: CLEAR
Odor: NONE

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 8.0L
Duration: 25min

Sample Collection

Date: 6/24/19
Time: 1130

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: FWTF
Location: SALEM NH
Sampler: RM
Weather: SUNNY 70

Well Number: 62-901L
Date: 6-24-15
Time:

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment:

Depth to Water: 8.31
Depth to Product: —
Total Depth: 34.23
Water Column:

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume:

Development/Purge Device: Geotech

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal
~~1025~~	—	—	—	—	—	—	-	~~0~~
1030	12.16	502	1.21	94.6	6.80	20.1	0.2	2.0
1035	11.92	489	0.95	48.1	6.75	18.7	0.2	3.5
1040	11.43	463	0.96	48.5	6.90	4.3	0.2	5.0
1045	11.47	464	0.98	98.2	6.93	1.6	0.2	7.0
1050	11.56	463	0.37	40.8	6.81	1.5	0.2	9.0
1055	11.60	462	0.36	40.0	6.82	1.3	0.2	11.0
1100	11.61	463	0.39	40.1	6.83	1.0	0.2	13

Color: CLEAR
Odor: NA

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 13L
Duration: 30

Sample Collection

Date: 6/24/15
Time: 1100

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: FWTF
Location: SALEM NJ
Sampler: RM
Weather: SUNNY 70

Well Number: GZ-902M
Date: 6-24-19
Time: 1000

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment:

Depth to Water: 6.35
Depth to Product: —
Total Depth: 25.9
Water Column: 19.55

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 3.2

Development/Purge Device: Geotech

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1000	11.43	152	0.78	14.7	7.94	2.47	0.4	0.5
1005	11.26	151	0.59	-10.6	7.94	2.16	0.4	3.0
1010	11.00	160	0.56	-23.2	7.90	2.11	0.4	4.0
1015	10.41	163	0.42	-25.1	7.95	1.75	0.4	6.0
1020	10.42	164	0.38	-24.0	7.98	1.76	0.4	7.5
1025	10.42	163	0.38	-24.0	7.98	1.63	0.4	9.0

Color: Clear
Odor: NA

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 9.0L
Duration: 25min

Sample Collection

Date: 6/24/19
Time: 1025

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: _____ Well Number: GZ-902L

Location: SALEM NH Date: 6-24-19

Sampler: RM Time: 9:25

Weather: SUNNY 70

Protective Casing Present (Y) N Cement Pad Present (Y) N

Protective Casing Locked (Y) N Standing Water Y (N)

Cap on Well Riser (Y) N Visible Heaving Y (N)

Physical Damage Y (N) Visible Subsidence Y (N)

Comment: _____

Depth to Water: 3.29 Type of Protective Casing: RB (SU)

Depth to Product: — Measuring Point: (TOC) TPC

Total Depth: 63.8

Water Column: 60.51 Well Volume: 9.9

Development/Purge Device: Geotech

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge ~~gal~~ L
930	11.92	256	1.61	-15.2	7.53	15.1	0.4	0.5
935	11.95	153	1.62	-15.1	7.52	10.6	0.4	1.5
940	11.99	148	0.50	-12.6	7.51	5.2	0.4	2.5
945	12.03	147	0.48	-11.2	7.50	3.1	0.4	4.0
950	12.06	147	0.50	-11.6	7.51	3.0	0.4	6.0
955	12.08	148	0.49	-11.8	7.52	2.9	0.4	8.0

Color: CLEAR Sheen: Y (N) Volume Purged: 8.0L

Odor: NONE Turbidity: (L) M H VH Duration: 25min

Sample Collection Date: 6/24/19 Time: 955

Remarks: _____

Signature of Sampler: _____

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: FWTP
Location: Salem NH
Sampler: N Sepesi
Weather: Cloudy

Well Number: GZ-903U
Date: 6/26/19
Time: 900

Protective Casing Present (Y) N
Protective Casing Locked Y (N)
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment:

Depth to Water: 2.35
Depth to Product: /
Total Depth: 12.30
Water Column: 9.95

Type of Protective Casing: (RB) SU
Measuring Point: (TOC) TPC

Well Volume: 1.61

Development/Purge Device: Peristaltic pump

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
915	11.97	379	8.10	204.8	6.10	78.7	0.4	0
925	11.01	388	7.30	203.1	5.83	34.3	0.4	0.5
930	10.96	321	7.34	199.0	5.88	27.0	0.4	1.0
935	11.10	330	7.19	197.3	5.94	22.0	0.3	1.25
940	11.11	380	7.10	172.8	6.01	13.7	0.3	1.5
945	11.14	377	7.09	171.2	6.02	12.2	0.3	1.75
950	11.20	373	7.48	170.0	6.03	10.7	0.3	2.25
955	11.17	370	7.39	168.5	6.04	7.72	0.3	2.5
1000	11.16	369	7.30	167.7	6.04	6.49	0.3	2.75
1005	11.09	368	7.29	167.0	6.04	6.71	0.3	3
1010	11.14	367	7.20	166.6	6.04	3.52	0.3	3.25
1015	11.27	367	7.19	165.4	6.05	4.83	0.3	3.5

Color: Clear
Odor: None

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 3.5
Duration: 1HR

Sample Collection

Date: 6/26/19 Time: 1020

Remarks: Sampled for VOC only

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: FWTF
Location: Salem NH
Sampler: N Federico
Weather: Sun

Well Number: GZ-904U
Date: 6/26/19
Time: 1230

Protective Casing Present (Y) N
Protective Casing Locked Y (N)
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment:

Depth to Water: 7.20
Depth to Product: —
Total Depth: 9.50
Water Column: 2.3

Type of Protective Casing: RB SU
Measuring Point: TOC TPC

Well Volume: 0.37

Development/Purge Device: Geotech Pump

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1240	11.49	491	—	169.7	5.99	5.29	0.05	0
1245	10.69	480	13.40	119.9	6.57	2.68	0.05	0.25
1250	10.40	511	10.77	134.0	5.90	1.36	0.05	0.5
1255	10.47	514	10.41	135.6	5.84	0.66	0.05	1.0
1300	10.92	504	9.76	134.4	5.76	0.83	0.05	1.25
1305	11.89	504	8.67	132.7	5.04	0.67	0.05	1.5
1310	11.31	503	8.60	131.8	5.95	0.75	0.05	1.75
1315	11.15	505	8.65	134.9	5.90	1.10	0.05	2
1320	11.10	505	8.67	139.0	5.92	0.64	0.05	2.25

Color: Clear
Odor: No

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 2.25
Duration: 40

Sample Collection

Date: 6/26/19 Time: 1325

Remarks: DO High Sample for VOC only

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: Fmr
Location: Salem MA
Sampler: N. Feder
Weather: Clouds

Well Number: GZ905U
Date: 6/26/19
Time: 1040

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment:

Depth to Water: 7.00
Depth to Product: —
Total Depth: 13.62
Water Column: 6.62

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 1.08

Development/Purge Device: Geotech Pump

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal
1050	13.08	354	10.4	114.3	6.12	6.56	0	0
1055	12.02	620	3.61	725	5.92	5.38	0	0.85
1100	11.78	362	3.14	61.5	5.91	8.72	0	0.75
1105	11.76	364	2.44	55.1	5.03	6.99	0	1.25
1110	12.01	362	2.23	65.5	5.94	6.01	0	1.50
1115	12.06	364	2.10	51.1	5.97	4.61	0	1.75
1180	12.05	362	2.09	50.8	5.97	3.71	0	2

Color: Clear
Odor: NO

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 8
Duration: 30m

Sample Collection

Date: 6/26/19
Time: 1185

Remarks: Sample for VOC only

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: FWTF
Well Number: GZ-90SL
Location: Salem NJ
Date: 6/26/19
Sampler: W. Fedesco
Time: 1125
Weather: Cloudy/Sunny

Protective Casing Present	(Y)	N	Cement Pad Present	(Y)	N
Protective Casing Locked	(Y)	N	Standing Water	Y	(N)
Cap on Well Riser	(Y)	N	Visible Heaving	Y	(N)
Physical Damage	Y	(N)	Visible Subsidence	Y	(N)

Comment:

Depth to Water: 6.50
Depth to Product: —
Total Depth: 31.60
Water Column: 25.1
Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC
Well Volume: 4.1

Development/Purge Device: Geotech Pump

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal
1135	11.09	878	10.4	79.9	6.56	19.6	0.4	0
1145	11.05	316	7.81	77.8	6.45	17.7	0.5	0.5
1150	11.90	316	8.36	78.1	6.48	30.7	0.5	1.25
1155	11.52	315	7.61	76.2	6.52	31.5	0.5	1.5
1200	11.65	317	6.40	71.6	6.60	50.3	0.5	1.75
1205	11.00	319	5.90	75.7	6.58	41.6	0.6	2
1210	10.93	318	9.18	78.6	6.56	29.3	0.6	2.5
1215	11.16	319	9.64	79.6	6.55	38.9	0.6	3
1220	11.11	319	9.50	79.3	6.57	32.5	0.6	3.5

Color: Clear
Odor: NO
Sheen: Y (N)
Turbidity: (L) M H VH
Volume Purged: 3.5
Duration: 45

Sample Collection Date: 6/26/19 Time: 1225

Remarks: High NTU due to the humid conditions in the air
NO VH Sample for VOC only

Signature of Sampler:

APPENDIX D

MANSFIELD CHAIN OF CUSTODY

PAGE 1 OF 3

ALPHA

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #:

Client Information

Client: Woodard & Curran

Address: 40 Shattuck Rd Suite 110 Andover MA 01810

Phone:

Fax:

Email: Sonlap@woodardcurran.com

☒ These samples have been previously analyzed by Alpha

Project Information

Project Name: Former WWTP

Project Location: Salem NH

Project #:

Project Manager: Sam Clay

ALPHA Quote #:

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: Time:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program | Criteria

Other Project Specific Requirements/Comments/Detection Limits: PFAS 537 Full NHDES 9 Constituents

PLEASE NOTE

MS/MSD (at unit cost) will be omitted unless you check here: ☐

ANALYSIS: PFAS 537 NHDES 9 Const. Isotope Dilution

SAMPLE HANDLING

Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials		Sample Specific Comments	TOTAL # BOTTLES
	GZ 902L	6-24-19	955	GW	RM	X		2
	GZ-902M		1025		RM	X		
	GZ-901L		1100		RM	X		
	GZ-901U		1130		RM	X		
	GZ-9L		1215		RM	X		
	MW-1S		1250		RM	X		
	MS-MW-1S		1250		RM	X		
	MSD-MW-1S		1250		RM	X		
	MW-1D		1335		RM	X		
	DUP-1		<		RM	X		

Container Type: P

Preservative: A

Relinquished By:	Date/Time	Received By:	Date/Time
	6/25/19		

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 101-09 (rev. 27-SEP-10)

MANSFIELD CHAIN OF CUSTODY

PAGE 2 OF 3

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #:

Client Information

Client: WOODARD & CURRAN

Address: 40 SHATTUCK RD Suite 110 ANDOVER MA 01810

Phone:

Fax:

Email: SOLNEY@WOODARDCURRAN.COM

☒ These samples have been previously analyzed by Alpha

Project Information

Project Name: FORMER WWTP

Project Location: SALEM NH

Project #:

Project Manager: Sam Olney

ALPHA Quote #:

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: Time:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria

Other Project Specific Requirements/Comments/Detection Limits:

PLEASE NOTE

MS/MSD (at unit cost) will be omitted unless you check here: ☐

ANALYSIS: PFAS 537 NHDES 9 additionals

SAMPLE HANDLING

Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials		Sample Specific Comments	TOTAL # BOTTLES
	FIELD BLANK 6-24-19	6-24-19	1250	WATER BLANK	RM	X		2
	GZ 612 U	6-24-19	1145	GW	RM	X		
	GZ 6	6-25-19	940	GW	RM	X		
	GZ-5R		1050		RM	X		
	MW-3		945		NF	X		
	GZ-3A		1135		RM	X		
	GZ-3L		1225		RM	X		
	GZ 8L		1230		RM	X		
	GZ-1L		1300		NF	X		
	GZ-1U		1055		NF	X		

Container Type	P										
Preservative	C										

Relinquished By:	Date/Time	Received By:	Date/Time
	6/25/19		

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 101-09 (rev. 27-SEP-10)

MANSFIELD CHAIN OF CUSTODY

PAGE 3 OF 3

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd In Lab:

ALPHA Job #:

Client Information

Client: WOODARD & CURRAN

Address: 40 Shattuck Rd Suite 110 Andover MA 01810

Phone:

Fax:

Email: SOlney@woodwardcurran.com

☑ These samples have been previously analyzed by Alpha

Project Information

Project Name: FORMER WWTP

Project Location: SALEM NH

Project #:

Project Manager: SAM Olney

ALPHA Quote #:

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: Time:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program | Criteria

Other Project Specific Requirements/Comments/Detection Limits:

PLEASE NOTE

MS/MSD (at unit cost) will be omitted unless you check here: ☐

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS (PFAS 537)	SAMPLE HANDLING	TOTAL # BOTTLES
	FIELD BLANK 2	6/25/19	1350	GW	RM	X		
	EQUIPMENT BLANK 1	6/25/19	1355	GW	RM	X		
	TRIP BLANK					X		

SAMPLE HANDLING: Filtration ☐ Done ☐ Not needed ☐ Lab to do; Preservation ☐ Lab to do (Please specify below)

Sample Specific Comments

Container Type	P
Preservative	A

Relinquished By:	Date/Time	Received By:	Date/Time
	6/25/19		

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 101-09 (rev. 27-SEP-10)

MANSFIELD CHAIN OF CUSTODY

PAGE 1 OF 2

ALPHA ANALYTICAL

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #:

Client Information

Client: WOODARD & CURRAN

Address: 40 SHATTUCK RD SUITE 110
ANDOVER MA 01810

Phone:

Fax:

Email: SCHNEY@WOODARDCURRAN.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: FORMER WWTP

Project Location: SALEM NH

Project #:

Project Manager: SAM OLNEY

ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: Time:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria

Other Project Specific Requirements/Comments/Detection Limits:

PLEASE NOTE

MS/MSD (at unit cost) will be omitted unless you check here: ☐

ANALYSIS: VOC 8260 NHDES ANALYTES

SAMPLE HANDLING

Filtration
☐ Done
☐ Not needed
☐ Lab to do

Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TOTAL # BOTTLES	Sample Specific Comments
	GZ-405U	6/24/19	1035	GW	NF	X	
	GZ-405L		1145	GW	NF	X	
	GZ-505LR		1240		NF	X	
	MS-GZ-505LR		1240		NF	X	
	MSD-GZ-505LR		1240		NF	X	
	GZ 607		1343		NF	X	
	DUP-2		—		NF	X	
	GZ-802US		1445		NF	X	
	GZ-612U	↓	1445		RM	X	
	GZ-3A	6/25/19	1135	↓	RM	X	
					Container Type	V	
					Preservative	B	

Relinquished By:	Date/Time	Received By:	Date/Time
	6/25/19		

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

MANSFIELD CHAIN OF CUSTODY

PAGE 2 OF 2

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #:

Client Information

Client: WOOD, AMH & CURRAN
Address: 40 SHATTUCK RD SUITE 110
ANDOVER MA 01810
Phone:
Fax:
Email: SOLNEY@WOODARDCURRAN.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: FORMER WWTP
Project Location: SALEM NH
Project #:
Project Manager: SAM OLNEY
ALPHA Quote #:

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria

Other Project Specific Requirements/Comments/Detection Limits:

PLEASE NOTE
MS/MSD (at unit cost) will be omitted unless you check here: ☐

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: VOC 8260 1-4 Dioxane 8270 SIM	SAMPLE HANDLING	TOTAL # BOTTLES
	GZ-3L	6/25/19	1225	GW	RM	X X		5
	DUP-3		—	GW	RM	X		2
	GZ-3B		1320	GW	RM	X		2
	MS-GZ-3B		1320	GW	RM	X		2
	MSD GZ-3B		1320	GW	RM	X		2
	TRIP BLANK 6/25/19			TRIP BLANK		X		2

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Sample Specific Comments

Container Type	V	A																		
Preservative	B	A																		

Relinquished By:	Date/Time	Received By:	Date/Time
	6/27/19		

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

CHAIN OF CUSTODY

PAGE 1 OF 3

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Date Rec'd in Lab:

ALPHA Job #:

Client Information

Client: Woodard & Curran

Address: 40 Shattuck Rd
Andover MA 01810

Phone:

Email: SOlney@woodardcurran.com

Project Information

Project Name: FORMER WWTF

Project Location: SALEM NH

Project #:

Project Manager: Sam Olney

ALPHA Quote #:

Report Information - Data Deliverables

☐ ADEx ☐ EMAIL

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements & Project Information Requirements

☐ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods
☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
☐ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)
☐ Yes ☐ No NPDES RGP
☐ Other State /Fed Program _____ Criteria _____

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due:

Additional Project Information:

VOC NPDES Full List PCB 8082
1-4 Dioxane by 8270 LL SIM

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	VOC: ☐ 8260 ☐ 624 ☐ 524.2	SVOC: ☐ ABN ☐ PAH	METALS: ☐ MCP 13 ☐ MCP 14 ☐ RCP 15	METALS: ☐ RCRA8 ☐ PP13	EPH: ☐ Ranges & Targets ☐ Ranges Only	VPH: ☐ Ranges & Targets ☐ Ranges Only	☐ PCB ☐ PEST	TPH: ☐ Quant Only ☐ Fingerprint	1-4 Dioxane 8270 SIM	Sample Comments	TOTAL # BOTTLES
	GZ 904 U	6/26/A	1015	GW	R								X			2
	GZ-903U		1020		NF	X										3
	GZ 2		1040		R	X										3
	GZ 905 U		1125		NF	X										3
	GZ 2L		1220		R	X							X			5
	GZ 905L		1225		NF	X										3
	GZ 609U		1340		RM	X										3
	GZ 609L		1410		RM	X										3
	GZ 904U		1325		NF	X										3
	MW 6		1450			X										3

SAMPLE INFO
Filtration
☐ Field
☐ Lab to do
Preservation
☐ Lab to do

Container Type	V												A			
Preservative	B												A			

Container Type
P= Plastic
A= Amber glass
V= Vial
G= Glass
B= Bacteria cup
C= Cube
O= Other
E= Encore
D= BOD Bottle

Preservative
A= None
B= HCl
C= HNO_3
D= H_2SO_4
E= NaOH
F= MeOH
G= $NaHSO_3$
H = $Na_2S_2O_3$
I= Ascorbic Acid
J = NH_4Cl
K= Zn Acetate
O= Other

Relinquished By:	Date/Time	Received By:	Date/Time
Nicole Sadler	6/27 1450	F. Hamlin	6/28/18 1450

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

CHAIN OF CUSTODY

PAGE 2 OF 3

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Date Rec'd In Lab:

ALPHA Job #:

Client Information

Client: Woodard & Curran

Address: 40 Shattuck Rd Ste 110
Andover MA 01810

Phone:

Email: Sdry@woodardcurran.com

Project Information

Project Name: FORMER WWTP

Project Location: SALEM NH

Project #:

Project Manager: SAM DRY

ALPHA Quote #:

Report Information - Data Deliverables

☐ ADEx ☐ EMAIL

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements & Project Information Requirements

☐ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods
☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
☐ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)
☐ Yes ☐ No NPDES RGP
☐ Other State /Fed Program _____ Criteria _____

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due:

Additional Project Information:

FR ID 10F3

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	VOC: ☐ 8260 ☐ 624 ☐ 524.2	SVOC: ☐ ABN ☐ PAH	METALS: ☐ MCP 13 ☐ MCP 14 ☐ RCP 15	METALS: ☐ RCRA5 ☐ RCRA8 ☐ PP13	EPH: ☐ Ranges & Targets ☐ Ranges Only	VPH: ☐ Ranges & Targets ☐ Ranges Only	☐ PCB ☐ PEST TOC	TPH: ☐ Quant Only ☐ Fingerprint	1,4 Dioxane 8270 SIM	Sample Comments	TOTAL # BOTTLES
	GZ 303	6/24/19	1440	GW	NF	X										3
	GZ 201L	6/21/19	935	GW	RM	X										3
	GZ 10UR		1155	GW	NF	X										3
	GZ-10LR		1335	GW	NF	X										3
	MW 7S		825	GW	RM						X					2
	MW 8R		915	GW	NF						X					2
	MS-MW 8R		915	GW	NF						X					2
	MSD MW-8R		915	GW	NF						X					2
	DUP-5		-	GW	RM						X					4
	EQUIPMENT BLANK 2	↓	1000	-	NF	X					X		X			7

CHAIN OF CUSTODY

PAGE 3 OF 3

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Date Rec'd in Lab:

ALPHA Job #:

Client Information

Client: WOODARD & CURRAN

Address: 40 Shattuck Rd Suite 110
ANDOVER MA 01810

Phone:

Email: SLANG@WOODARDCURRAN.COM

Project Information

Project Name: FORMER WWTP

Project Location: SALEM NH

Project #:

Project Manager: SAM olney

ALPHA Quote #:

Report Information - Data Deliverables

☐ ADEx ☐ EMAIL

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements & Project Information Requirements

☐ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods
☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
☐ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)
☐ Yes ☐ No NPDES RGP
☐ Other State /Fed Program _____ Criteria _____

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due:

Additional Project Information:

SEE ICB INFO

ANALYSIS

VOC: ☑ 8260 ☐ 624 ☐ 524.2
SVOC: ☐ ABN ☐ PAH
METALS: ☐ MCP 13 ☐ MCP 14 ☐ RCP 15
METALS: ☐ RCRA8 ☐ RCRA6 ☐ PP13
EPH: ☐ Ranges & Targets ☐ Ranges Only
VPH: ☐ Ranges & Targets ☐ Ranges Only
☐ PCB ☐ PEST
TPH: ☐ Quant Only ☐ Fingerprint

SAMPLE INFO

Filtration
☐ Field
☐ Lab to do

Preservation
☐ Lab to do

Sample Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	VOC	TOTAL # BOTTLES
	TRIP BLANK 6/26 27	6/27/19		WATER		X	4
	DUP-4	6/26/19	~	GW	FAM	X	3

Container Type
P= Plastic
A= Amber glass
V= Vial
G= Glass
B= Bacteria cup
C= Cube
O= Other
E= Encore
D= BOD Bottle

Preservative
A= None
B= HCl
C= HNO_3
D= H_2SO_4
E= NaOH
F= MeOH
G= $NaHSO_4$
H= $Na_2S_2O_3$
I= Ascorbic Acid
J= NH_4Cl
K= Zn Acetate
O= Other

Container Type	V																		
Preservative	B																		

Relinquished By:	Date/Time	Received By:	Date/Time

All samples submitted are subject to Alpha's Terms and Conditions.
See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)

MANSFIELD CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #:

Client Information

Client: Woodard and Curran

Address: 40 Shattuck Rd Suite 110 Andover, MA 01810

Phone:

Fax:

Email: SSilvey@woodardcurran.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Salem Mill CwTF

Project Location: Salem MA

Project #:

Project Manager: Sam Silvey

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL

☒ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program | Criteria

Other Project Specific Requirements/Comments/Detection Limits:

NH PFAS, VAEPA 537.1 (modified)

PLEASE NOTE

MS/MSD (at unit cost) will be omitted unless you check here: ☐

ANALYSIS: As-NH-537.1 (modified)

SAMPLE HANDLING

Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials		Sample Specific Comments	TOTAL # BOTTLES
	MW-3	7/2/19	905	GW	SS	X		2
	GZ-10		1005	GW	SS	X		2
	~~Field Blank~~		~~915~~	~~GW~~	~~SS~~	X		~~2~~

Container Type	P
Preservative	A

Relinquished By:	Date/Time	Received By:	Date/Time
Nicholas Gordon	7/2/19 1600		

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

APPENDIX D.5

GROUNDWATER SAMPLING FIELD DOCUMENTATION – NOVEMBER 2019

GFS GEOLOGICAL FIELD SERVICES, INC.

November 22, 2019

Ms. Samantha Olney
Woodard and Curran
40 Shattuck Road Suite 110
Andover, MA 01810

RE: Salem NH FWTF
Fall 2019 GMP Sampling Event

Dear Ms. Olney:

From November 11 through November 15, 2019, Geological Field Services, Inc. (GFS) conducted environmental field activities at the Former Wastewater Treatment Facility in Salem New Hampshire. GFS collected groundwater and surface water samples from the list of locations provided by Woodard & Curran for the fall Groundwater Monitoring Permit (GMP). All work was conducted according to the scope of work provided by Woodard and Curran. The following is a description of all related field activities.

Ground Water Sampling
From November 11 through November 15, 2019, GFS collected ground water samples from the list of wells on the GM provided by Woodard & Curran. Ground water wells were sampled in accordance with EPA low stress sampling protocol. Prior to purging, the ground water level and total depth of the monitoring well were measured to the nearest 0.01-foot using an electronic water level sensing device. The recorded measurements were used to calculate the volume of standing water in the well. Prior to purging, all wells were examined for the presence of free-phase petroleum product and dense non-aqueous phase liquids (DNAPL) by observing the condition of the water level indicator when it was withdrawn from the well. No free-phase petroleum product or DNAPL was observed. All wells were sampled with dedicated ¼-inch HDPE tubing with the sample intake set at five-feet off the bottom of the well in the screened interval.

Each monitoring well was then purged using a Geotech peristaltic pump and the dedicated HDPE tubing. The Geotech pump was started at the lowest setting and well drawdown was measured, the pump speed was increased and the drawdown was measured. Efforts were made to minimize the drawdown on the well. Field parameters were measured using a YSI model 556-meter Turbidity was measured using an Apera TN400 turbidity meter. All field equipment was calibrated at the start of the day, field calibration sheets are attached. Field parameters were measured when water started to discharge from the flow through cell and at five-minute intervals thereafter. Wells were purged until the field parameters stabilized at that time the flow through cell was disconnected and the sample water was pumped directly in to the sample containers. During the sampling activities Field Duplicate-1 was collected from monitoring well GZ-802US, Field Duplicate-2 was collected from monitoring well GZ-612U and Duplicate -3 was collected from monitoring well GZ-609U. A matrix spike and matrix spike duplicate (MS/MSD) for VOC

analysis was collected form GZ-607U. Samples were delivered via courier to Alpha Analytical Laboratories on November 11 through November 15, 2019, copies of the chains-of-custody are attached.

Surface Water Sampling
On November 12 and 15, 2019 GFS collected three surface water samples as listed on the GMP provided by Woodard & Curran. The samples were collected by gently dipping the laboratory bottles in the flowing surface water an allowing them to fill. After the sample was collected field parameters were measured by submerging the YSI into the surface water and allowing the meter to stabilize. All surface water samples were packed on ice and delivered to Alpha Analytical via-courier on November 11 through November 15, 2019, copies of the chains –of-custody are attached.

Please contact me if you have any questions.

Sincerely:
GEOLOGICAL FIELD SERVICES, INC.



Ryan MacKay
Senior Geologist
18193_1119_GW

Daily Calibration Form

DATE 11/11/19	Site: SALEM NH FWTP		Event FALL 2019 GMP		
Water Quality Meter YSI	Type 556		Form Completed by R MALKEY		
Kit # 1	Sonde # 14549	Display # 14K/101502	Form Checked by		
Standard	Lot #	Expiration Date	Standard	Lot #	Expiration Date
pH 4	~~96H 327 96E 188~~	~~AUG~~ MAY 2021	ORP	966737	APRIL 2020
pH 7	96H 321	AUG 2020	SpC Cond	96H 328	AUG. 2020
pH 10	8GT1015	OCT 2020	Comments		

pH

Standard	4	7	10	Comments
Pre	3.91	6.92	9.86	
Cal	4.0	7.00	10.00	
Mid day	—	—	—	
End of Day Drift	\	6.98	\	

Dissolved Oxygen

Standard	100%	0 mg/L	Comments
Pre	98.0	\	
Cal	99.8	\	
Mid day	\	\	
End of Day Drift		\	

Oxidation Reduction Potential

Standard	Temp	Value	234.9	Comments (ORP= (1.3(25-T)+231)
Pre	24	224		
Cal	25	234.9	234.9	
Mid day	\	\		
End of Day Drift	20	237.5	241	

Specific Conductivity

Standard	1000	Comments
Pre	969	
Cal	1000	
Mid day	\	
End of Day Drift	991	

Turbidity

Standard	Low	Mid	High	V. High	Check	Comments
Value	0.02	20	100	800	20	
Pre	\	\	\	\	\	
Cal	0.02	20	100	800	19.95	
Mid day	—	—	—	—	—	
End of Day Drift	\	20	\	\	19.51	

Model	APERA TN400
Serial #	1703

Standard	Expiration Date
All	04/2021

Daily Calibration Form

DATE 11/12/19	Site: SALEM NH FNTP		Event FALL 2019 GMP		
Water Quality Meter YSI	Type 556		Form Completed by R. MACKAY		
Kit # 1	Sonde # 14J 49	Display # 14K101506	Form Checked by R MACKAY		

Standard	Lot #	Expiration Date	Standard	Lot #	Expiration Date
pH 4			ORP		
pH 7			SpC Cond		
pH 10			Comments		

pH

Standard	4	7	10	Comments
Pre	3.95	6.92	9.90	
Cal	4.00	7.00	10.00	
Mid day	—	—	—	
End of Day Drift		7.02		

Dissolved Oxygen

Standard	100%	0 mg/L	Comments
Pre	97.2	—	
Cal	99.9	—	
Mid day	—	—	
End of Day Drift	96.1	—	

Oxidation Reduction Potential

Standard	Temp	Value		Comments (ORP= (1.3(25-T)+231)
Pre	18.1	239.7	245	
Cal	18.1	239.7	239.7	
Mid day	—	—	—	
End of Day Drift	18.1	239.7	243	

Specific Conductivity

Standard	1000	Comments
Pre	951	
Cal	1000	
Mid day	—	
End of Day Drift	991	

Turbidity

Standard	Low	Mid	High	V. High	Check	Comments
Value	0.2	20	100	800	20	
Pre	~~0.2~~	~~20~~	—	—	—	
Cal	0.2	20	100	800	19.99	
Mid day	—	—	—	—	—	
End of Day Drift					19.93	

Model	APEXA TN400	
Serial #	1703	
Standard		Expiration Date

Daily Calibration Form

DATE 11/13/19	Site: SALEM FWTP SARL DRIVE		Event FALL 2019 GMP		
Water Quality Meter YSI	Type 556		Form Completed by RJM		
Kit # 1	Sonde #	Display #	Form Checked by		
Standard	Lot #	Expiration Date	Standard	Lot #	Expiration Date
pH 4	SAM		ORP	SAM	
pH 7	↓		SpC Cond	↓	
pH 10			Comments		

pH

Standard	4	7	10	Comments
Pre	3.92	7.01	9.85	
Cal	4.00	7.00	10.00	
Mid day	—	—	—	
End of Day Drift	—	6.99	—	

Dissolved Oxygen

Standard	100%	0 mg/L	Comments
Pre	96.5	—	
Cal	99.8	—	
Mid day	—	—	
End of Day Drift	97.9	—	

Oxidation Reduction Potential

Standard	Temp	Value		Comments (ORP= (1.3(25-T)+231)
Pre	18.0	240.1	256	
Cal	18.0	240.1	240.1	
Mid day	—	—	—	
End of Day Drift	11.6	284.2	251.6	

Specific Conductivity

Standard	1000	Comments
Pre	979	
Cal	100	
Mid day	—	
End of Day Drift	1008	

Turbidity

Standard	Low	Mid	High	V. High	Check	Comments
Value	0.02	20	100	800	20	
Pre	—	—	—	—	—	
Cal	0.02	20	100	800	19.98	
Mid day	—	—	—	—	—	
End of Day Drift	—	—	—	—	19.93	

Model	ADERA TN400	
Serial #	1703	
Standard		Expiration Date
SAM		

Daily Calibration Form

DATE 11/14/19	Site: SALEM FWTP		Event FALL 2019 GMP		
Water Quality Meter YSI	Type 556		Form Completed by RM		
Kit # 1	Sonde #	Display #	Form Checked by RM		

Standard	Lot #	Expiration Date	Standard	Lot #	Expiration Date
pH 4			ORP		
pH 7			SpC Cond		
pH 10			Comments		

Lot # SAME as 11/14/19

Lot # SAME 11/14/19

pH

Standard	4	7	10	Comments
Pre	3.91	7.01	9.98	
Cal	4.00	7.00	10.00	
Mid day				
End of Day Drift		7.03		

Dissolved Oxygen

Standard	100%	0 mg/L	Comments
Pre	93.9		
Cal	99.8		
Mid day			
End of Day Drift	97.9		

Oxidation Reduction Potential

Standard	Temp	Value		Comments (ORP= (1.3(25-T)+231)
Pre	15.9	242.8	229	
Cal	15.9	242.8	242.8	
Mid day				
End of Day Drift	12.6	~~246.2~~ 247.1	245.9	

Specific Conductivity

Standard	1000	Comments
Pre	959	
Cal	1000	
Mid day		
End of Day Drift	1005	

Turbidity

Standard	Low	Mid	High	V. High	Check	Comments
Value	0.02	20	100	800	20	
Pre						
Cal	0.02	20	100	800	19.99	
Mid day						
End of Day Drift					19.93	

Model	APERA TN400	
Serial #	1703	
Standard		Expiration Date
SAME		

Daily Calibration Form

DATE 11/15/19	Site: SALEM FWTP		Event FALL 2019 GMP		
Water Quality Meter YSI	Type 556		Form Completed by RM		
Kit #	Sonde #	Display #	Form Checked by RM		

Standard	Lot #	Expiration Date	Standard	Lot #	Expiration Date
pH 4	SAME 11/6/19		ORP	SAME 11/8/19	
pH 7			SpC Cond		
pH 10			Comments		

pH

Standard	4	7	10	Comments
Pre	4.91	6.93	9.95	
Cal	4.00	7.00	10.00	
Mid day	—	—	—	
End of Day Drift	—		—	

Dissolved Oxygen

Standard	100%	0 mg/L	Comments
Pre	93.6	—	
Cal	99.8	—	
Mid day	—	—	
End of Day Drift	96.9	—	

Oxidation Reduction Potential

Standard	Temp	Value		Comments (ORP= (1.3(25-T)+231)
Pre	16.8	241.66	245.9	
Cal	16.8	241.66	241.6	
Mid day	—	—		
End of Day Drift	15.2	243.74	239.5	

Specific Conductivity

Standard	1000	Comments
Pre	975	
Cal	1000	
Mid day	—	
End of Day Drift	991	

Turbidity

Standard	Low	Mid	High	V. High	Check	Comments
Value	0.02	20	100	800	20	
Pre	—	—	—	—	—	
Cal	0.02	20	100	807	19.96	
Mid day	—	—	—	—	—	
End of Day Drift	—	—	—	—	19.95	

Model	APERATN 400	
Serial #	17030	
Standard		Expiration Date
SAME		

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: MACKAY
Weather: OVERCAST 20

Well Number: MW-1S
Date: 11/14/18
Time: 13:42

Protective Casing Present	(Y)	N	Cement Pad Present	(Y)	N
Protective Casing Locked	(Y)	N	Standing Water	Y	(N)
Cap on Well Riser	Y	(N)	Visible Heaving	Y	(N)
Physical Damage	Y	(N)	Visible Subsidence	Y	(N)

Comment:

Depth to Water: 3.26
Depth to Product: —
Total Depth: 11.95
Water Column: 8.69

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC
Well Volume: 1.42

Development/Purge Device: Geo 2

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1342	9.8	293	0.93	40.6	6.05	10.2	0.2	0.2
1347	10.04	283	0.51	40.5	6.02	7.1	0.2	0.4
1352	10.20	281	0.47	35.9	5.99	6.3	0.2	0.6
1357	10.17	280	0.43	~~0.47~~ 31.4	5.96	6.0	0.2	0.8
1402	10.46	278	0.40	31.6	5.95	3.1	0.2	1.0
1407	10.47	279	0.41	31.9	5.94	2.8	0.2	1.2
1412	10.48	279	~~0.39~~ 0.40	31.8	5.92	2.8	0.2	1.4
~~1417~~			0.40					

Color: Clear
Odor: None

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 1.4
Duration: 30m

Sample Collection

Date: 11/14/18
Time: 1413

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: MAR
Weather: OVERCAST 2°

Well Number: MW-1D
Date: 11/14/19
Time: 14:15

Protective Casing Present (Y) N
Protective Casing Locked Y (N)
Cap on Well Riser Y (N)
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment:

Depth to Water: 2.96
Depth to Product: —
Total Depth: NM
Water Column: \

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: \

Development/Purge Device: Geopump 2

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1418	9.7	601	0.68	1.3	6.32	131.2	0.2	0.2
1423	9.70	612	0.50	-21.6	6.61	101.6	0.2	0.4
1428	9.68	621	0.49	-31.5	6.62	45.2	0.2	0.6
1433	9.65	626	0.34	-41.2	6.61	12.6	0.2	0.8
1438	9.67	628	0.33	-45.1	6.67	4.8	0.2	1.0
1443	9.67	629	0.32	-45.2	6.68	4.9	0.2	1.2
1448	9.67	630	0.33	-45.6	6.67	4.8	0.2	1.4
~~1453~~								

Color: clear
Odor: NO

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 1.4
Duration: 30m

Sample Collection

Date: 11/14/19
Time: ~~1453~~ 1449

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: MacKay
Weather: Overcast 40

Well Number: MW-6
Date: 11/11/19
Time: 15.45

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment:

Depth to Water: 8.31
Depth to Product: —
Total Depth: 16.70
Water Column: 8.39

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 1.37

Development/Purge Device: Geotech

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1550	13.30	560	6.88	88.2	6.16	21.5	0.2	0.25
1555	13.33	621	5.29	90.6	6.16	10.6	0.2	0.5
1600	13.33	705	5.27	94.2	6.17	5.2	0.2	0.75
1605	13.35	710	5.25	95.1	6.15	4.0	0.2	1.0
1610	13.34	775	5.23	94.0	6.15	4.1	0.2	1.25
1615	13.35	778	5.20	94.5	6.16	3.2	0.2	1.5
1620	13.35	777	5.19	94.6	6.17	3.1	0.2	1.75

Color: Clear
Odor: None

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 1.75
Duration: 30min

Sample Collection

Date: 11/11/19
Time: 1621

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: RM
Weather: Overcast 40

Well Number: GZ-2
Date: 11/11/19
Time: 1320

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: 1.5" PVC

Depth to Water: 9.88
Depth to Product: —
Total Depth: 22.45
Water Column: 12.57

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 1.15

Development/Purge Device: Geotech

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1320	12.01	156	1.21	90.2	6.01	12.6	0.2	0.25
1325	12.00	154	0.48	91.5	5.69	11.2	0.2	0.5
1330	11.78	158	0.46	96.2	5.68	10.1	0.2	0.75
1335	11.88	153	0.46	85.9	5.70	6.3	0.2	1.0
1340	11.87	150	0.35	81.9	5.66	5.1	0.2	1.25
1345	11.86	149	0.36	81.6	5.65	4.0	0.2	1.5
1350	11.88	149	0.35	81.5	5.65	3.0	0.2	1.75
1355	11.88	148	0.36	81.2	5.60	3.1	0.2	2.0

Color: Clear
Odor: None

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 2.0
Duration: 35m

Sample Collection

Date: 11/11/19
Time: 1356

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: MacKay
Weather: Overcast 40

Well Number: GZ-2L
Date: 11/11/19
Time: 1357

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment:

Depth to Water: 8.92
Depth to Product:
Total Depth: 69.30
Water Column: 60.38

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 9.9

Development/Purge Device: Geo Pump

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1400	11.41	260	1.00	80.6	5.83	12.5	0.2	0.25
1410	11.33	276	1.16	61.2	5.99	8.6	0.2	0.5
1415	11.31	277	0.80	56.2	5.99	5.21	0.2	0.75
1420	11.34	277	0.70	54.3	5.99	5.00	0.2	1.0
1425	11.33	277	0.65	53.2	6.00	4.21	0.2	1.25
1430	11.35	277	0.66	55.8	5.98	3.11	0.2	1.50
1435	11.32	275	0.66	55.7	5.93	2.61	0.2	1.75

Color: Clear
Odor: None

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 1.75
Duration: 35 min

Sample Collection

Date: 11 / 11 / 19
Time: 1436

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: MA
Weather: RAIN 40F

Well Number: GZ-3A
Date: 11/12/15
Time: 1120

Protective Casing Present (Y) N
Protective Casing Locked Y (N)
Cap on Well Riser Y (N)
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: 1.5 YR

Depth to Water: 6.72
Depth to Product: —
Total Depth: 19.82
Water Column: 13.1

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 1.2

Development/Purge Device: Geolech 2

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1120	12.51	461	5.1	65.9	6.23	49.6	0.2	0.25
1125	12.52	221	1.16	83.2	6.21	50.2	0.2	0.5
1130	12.60	200	0.72	83.9	6.20	46.3	0.2	0.75
1135	12.61	200	0.62	84.1	6.21	101.2	0.2	1.0
1140	12.43	197	0.67	89.1	6.16	15.1	0.2	1.25
1145	12.40	198	0.67	91.5	6.00	5.0	0.2	1.5
1150	12.41	198	0.66	91.5	6.01	4.9	0.2	1.75
1155	12.4	199	0.67	91.4	6.00	3.3	0.2	2.0
1200	12.4	198	0.67	91.3	6.00	3.0	0.2	2.25

Color: Clear
Odor: None

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 2.25
Duration: 40 min

Sample Collection

Date: 11/12/15
Time: 1201

Remarks: HEAVY IRON FLOC IN PURGE WATER

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: MACKEY
Weather: Lt SNOW 35F

Well Number: 67-3L
Date: 11/12/14
Time: 12:05

Protective Casing Present (Y) N
Protective Casing Locked Y (N)
Cap on Well Riser Y (N)
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: 1.5" PVC

Depth to Water: 7.59
Depth to Product: —
Total Depth: 51.25
Water Column: 43.66

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 4.02

Development/Purge Device: Geotech

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1205	10.80	525	2.61	25.6	6.31	33.2	0.2	0.25
1210	10.81	548	0.46	21.7	6.44	27.6	0.2	0.5
1215	10.80	559	0.56	-10.8	6.45	12.9	0.2	0.75
1220	10.65	605	0.59	-31.6	6.55	6.3	0.2	1.0
1225	10.68	627	0.60	-33.8	6.59	4.7	0.2	1.25
1230	10.65	631	0.61	-33.6	6.58	3.4	0.2	1.5
1235	10.62	630	0.62	-33.8	6.59	3.1	0.2	1.75

Color: Clear
Odor: None

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 1.75g
Duration: 30min

Sample Collection

Date: 11/12/14
Time: 1236

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: MACKAY
Weather: LT-SNOW 35F

Well Number: GZ-3B
Date: 11/12/19
Time: 1240

Protective Casing Present (Y) N
Protective Casing Locked Y (N)
Cap on Well Riser Y (N)
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment:

Depth to Water: 6.68
Depth to Product: —
Total Depth: 7100'
Water Column: 7 93.32

Type of Protective Casing: RB (SU) TPC
Measuring Point: TOC

Well Volume: 7.15

Development/Purge Device: Geokh2

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1240	10.81	509	1.61	-81.5	7.37	13.1	0.2	0.25
1245	10.91	510	0.59	-110.6	7.87	10.2	0.2	0.5
1250	10.93	514	0.31	-131.5	7.86	8.7	0.2	0.75
1255	11.06	519	0.34	-141.8	7.91	6.1	0.2	1.0
1300	11.13	521	0.31	-152.1	7.94	4.8	0.2	1.25
1305	11.14	522	0.31	-155.6	7.93	3.7	0.2	1.5
1310	11.15	523	0.30	-156.2	7.92	3.3	0.2	1.75

Color: CLEAR
Odor: NONE

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 1.75
Duration: 30m

Sample Collection

Date: 11/12/19
Time: 1311

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: MACKAY
Weather: OVERCAST 20

Well Number: GZ-9U
Date: 11-14-19
Time: 1230

Protective Casing Present (Y) N
Protective Casing Locked Y (N)
Cap on Well Riser Y (N)
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment:

Depth to Water: 6.02
Depth to Product: —
Total Depth: 18.3
Water Column: 12.28

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 2.0

Development/Purge Device: Geoh

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1230	10.02	389	3.21	17.1	6.35	36.1	0.2	0.2
1235	10.52	376	3.00	25.6	6.21	28.5	0.2	0.4
1240	10.79	361	1.21	29.5	6.22	17.3	0.2	0.6
1245	10.97	351	0.74	30.1	6.04	2.8	0.2	0.8
1250	10.97	348	0.65	31.2	6.01	2.6	0.2	1.0
1255	10.97	348	0.63	31.5	6.01	2.1	0.2	1.2
1300	10.96	348	0.62	31.6	6.00	2.0	0.2	1.4

Color: CLEAR
Odor: NONE

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 1.4
Duration: 30m

Sample Collection

Date: 11/14/19
Time: 1301

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: MACKAY
Weather: OVERCAST 20

Well Number: GZ-9L
Date: 11/12/19
Time: 1305

Protective Casing Present (Y) N
Protective Casing Locked Y (N)
Cap on Well Riser Y (N)
Physical Damage (Y) N

Cement Pad Present Y (N)
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: PVC OVERWELL NO PC
1.5" PVC

Depth to Water: 5.91
Depth to Product: —
Total Depth: 36.6
Water Column: 30.69

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 5

Development/Purge Device: Geoh

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1305	9.42	739	0.96	25.1	5.99	27.9	0.1	0.2
1310	9.63	1016	0.91	28.6	6.20	19.4	0.1	0.4
1315	9.71	1032	0.88	28.1	6.31	12.6	0.1	0.6
1320	9.79	1048	0.89	29.5	6.30	10.4	0.1	0.8
1325	9.80	1063	0.40	30.0	6.29	3.7	0.1	1.0
1330	9.84	1065	0.41	30.1	6.29	3.6	0.1	1.2
1335	9.82	1066	0.42	30.2	6.28	3.4	0.1	1.4

Color: Clear
Odor: None

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 1.4
Duration: 30mn

Sample Collection

Date: 11/14/19
Time: 1336

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: MACKAY
Weather: OVERCAST

Well Number: GZ-10UR
Date: 11/11/19
Time: 9:20

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment:

Depth to Water: 8.72
Depth to Product: —
Total Depth: 17.25
Water Column: 8.53

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 1.34

Development/Purge Device: Geokhz

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
920	13.40	101	2.63	97.1	5.81	35	0.2	0.25
925	13.37	94	2.45	97.6	5.77	28.	0.2	0.5
930	13.46	92	2.25	100.3	5.73	18.1	0.2	0.75
935	13.35	95	2.12	104.4	5.69	10.1	0.2	1.0
940	13.30	96	2.04	106.2	5.66	4.6	0.2	1.25
945	13.31	97	1.60	110.6	5.61	4.0	0.2	1.5
950	13.40	100	1.59	110.5	5.59	3.8	0.2	1.75
955	13.39	100	1.58	110.6	5.57	3.6	0.2	2.0

Color: CLEAR
Odor: NOE

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 2.0
Duration: 35M

Sample Collection

Date: 11/11/19
Time: 956

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: MACKAM
Weather: OVERCAST 40

Well Number: GZ-10LR
Date: 11/11/19
Time: 830

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment:

Depth to Water: 8.41
Depth to Product: —
Total Depth: 35.50
Water Column: 27.09

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 4.44

Development/Purge Device: Geotech2

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
830	12.01	562	2.61	63	7.26	35.6	0.1	0.25
840	12.03	561	2.60	62.1	7.15	32.1	0.1	0.75
845	12.06	563	2.00	60.5	7.12	305	0.1	1.0
850	12.03	561	1.95	61.6	7.13	30.0	0.1	1.5
855	12.05	561	1.48	46.8	7.02	20.5	0.1	2.0
900	12.04	562	1.46	39.2	6.98	10.0	0.1	2.5
905	11.86	450	1.32	42.5	6.89	4.6	0.1	2.75
910	11.83	451	1.31	42.0	6.78	3.0	0.1	3.0
915	11.84	452	1.32	42.0	6.77	3.0	0.1	3.25
920								

Color: CLEAR
Odor: NONE

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 3.25
Duration: 45

Sample Collection

Date: 11/11/19
Time: 916

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: MACKAY
Weather: SUNNY 25F

Well Number: GZ-201L
Date: 11/15/19
Time: 730

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment:

Depth to Water: 6.61
Depth to Product: —
Total Depth: ~~69.25~~ 62.95
Water Column: ~~56.34~~

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 9.23

Development/Purge Device: Geotech

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
750	8.97	402	12.01	39.4	6.93	80.2	0.2	0.2
755	10.39	294	12.93	39.3	6.29	11.6	0.2	0.4
800	10.18	306	4.21	57.2	6.11	8.2	0.2	0.6
805	10.~~38~~33	~~348~~350	4.19	59.0	6.09	3.7	0.2	0.8
810	10.33	351	4.12	60.1	6.08	3.6	0.2	1.0
815	10.33	351	4.12	60.2	6.08	3.1	0.2	1.2

Color: Clear
Odor: None

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 1.2
Duration: 25 min

Sample Collection

Date: 11/15/19
Time: 816

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: MACKAY
Weather: Lt SNOW 35

Well Number: GZ-301M
Date: 11/12/19
Time: 1330

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser Y (N)
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: MW4 TD 13.42

Depth to Water: 9.63
Depth to Product: —
Total Depth: 35.53
Water Column: 25.9

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 4.2

Development/Purge Device: Geokon

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1335	12.32	202	4.03	31.2	7.01	15.5	0.2	0.25
1340	12.27	220	1.97	49.6	6.67	11.3	0.2	0.5
1345	12.29	228	1.59	59.7	6.40	10.2	0.2	0.75
1350	12.44	228	1.53	60.3	6.39	8.2	0.2	1.0
1355	12.45	226	1.01	60.2	6.36	4.6	0.2	1.25
1400	12.42	224	0.99	60.9	6.34	3.8	0.2	1.5
1405	12.41	223	0.98	60.8	6.35	2.5	0.2	1.75

Color: CLEAR
Odor: NONE

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 1.75
Duration: 30m

Sample Collection

Date: 11/12/19
Time: 1406

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: MACKAY
Weather: Sunny 30F - 35F

Well Number: GZ-303
Date: 11/15/19
Time: 1200

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment:

Depth to Water: 8.18
Depth to Product:
Total Depth: 51.70
Water Column: 43.52

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 7.13

Development/Purge Device: 6 catch

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1205	12.23	194	2.25	59.6	5.92	31.6	0.6	0.2
1210	12.21	194	2.23	59.1	5.93	15.2	0.1	0.4
1215	12.20	193	2.26	59.2	5.91	12.6	0.1	0.6
1220	12.03	192	2.13	59.8	5.90	10.0	0.1	0.8
1225	11.97	192	2.04	59.4	5.90	6.3	0.1	1.0
1230	11.83	192	2.01	60.3	5.87	4.6	0.1	1.2
1235	11.79	192	2.00	60.7	5.86	4.5	0.1	1.4
1240	11.81	191	2.06	60.6	5.85	4.3	0.1	1.6

Color: Clear
Odor: None

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 1.6
Duration: 40m

Sample Collection

Date: 11/15/19
Time: 1241

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: MACKIN
Weather: LT RAIN 40F

Well Number: 67-403U
Date: 11/12/19
Time: 930

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser Y (N)
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: 1" PVC

Depth to Water: 8.18
Depth to Product: –
Total Depth: 22.5
Water Column: 14.35

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 0.5 ?

Development/Purge Device: Geotech 2

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
930	6.37	954	12.0	59.5	6.30	31.2	0.2	0.25
935	9.35	999	4.01	64.9	6.28	12.6	0.2	0.5
940	9.81	1006	3.59	68.3	6.15	11.8	0.2	0.75
945	10.00	1153	1.86	75.2	6.19	9.5	0.2	1.0
950	10.05	1200	1.12	80.6	6.06	9.3	0.2	1.25
955	10.08	1210	0.95	81.0	6.02	5.0	0.2	1.5
1000	10.09	1209	0.89	81.8	6.00	3.6	0.2	1.75
1005	10.08	1210	0.85	82.5	6.00	3.0	0.2	TD-0
1010	10.08	1211	0.86	82.4	6.01	3.1	0.2	2-2L

Color: CLEAR
Odor: NONE

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 2-2.5 gal
Duration: 40

Sample Collection

Date: 11 / 12 /19
Time: 1011

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Well Number: 67-403L
Location: SARL Drive Salem NH
Date: 11/12/2019
Sampler: MACKAY
Time: 10:20
Weather: DRIZZLE 40F

Protective Casing Present	(Y)	N	Cement Pad Present	(Y)	N
Protective Casing Locked	(Y)	N	Standing Water	Y	(N)
Cap on Well Riser	Y	(N)	Visible Heaving	Y	(N)
Physical Damage	Y	(N)	Visible Subsidence	Y	(N)

Comment:

Depth to Water: 7.62
Depth to Product: —
Total Depth: 46.8
Water Column: 39.18

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC
Well Volume: 6.42

Development/Purge Device: Geotech 2

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1020	9.5	1006	5.03	81.6	6.05	12.6	0.2	0.25
1025	9.5	1123	5.20	80.2	6.11	13.9	0.2	0.5
1030	9.90	1206	4.11	69.3	6.20	20.1	0.2	0.75
1035	9.77	1258	4.02	66.8	6.28	18.6	0.2	1.0
1040	9.75	1260	1.21	60.4	6.29	5.9	0.2	1.25
1045	9.73	1263	0.80	63.2	6.30	3.2	0.2	1.5
1050	9.72	1296	0.60	44.8	6.26	3.1	0.2	1.75
1055	9.72	1295	0.59	44.3	6.27	2.9	0.2	2.0
1100	9.72	1297	0.58	45.7	6.28	2.0	0.2	2.25

Color: Clear
Odor: None
Sheen: Y (N)
Turbidity: (L) M H VH
Volume Purged: 2.25
Duration: 40min

Sample Collection Date: 11/12/19 Time: 1101

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: MACKAY
Weather: Overcast 20

Well Number: GZ-404U
Date: 11/14/19
Time: ~~1113~~ 1135

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser Y (N)
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: 1" PVC

Depth to Water: 6.98
Depth to Product: —
Total Depth: 22.15
Water Column: 15.17

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 0.62

Development/Purge Device: Geotech

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1140	9.26	928	1.14	6.5	6.59	18.8	0.2	0.2
1145	9.34	985	0.64	-18.9	6.57	15.2	0.2	0.4
1150	9.48	1004	0.52	-26.8	6.62	10.6	0.2	0.6
1155	9.49	1005	0.50	-29.0	6.61	9.7	0.2	0.8
1200	9.48	1011	0.46	-33.1	6.64	3.8	0.2	1.0
1205	9.39	1012	0.45	-33.0	6.64	2.7	0.2	1.2
1210	9.38	1013	0.46	-33.3	6.65	2.1	0.1	1.4

Color: Clear
Odor: None

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 1.4
Duration: 30m

Sample Collection Date: 11/14/19 Time: 1211

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Well Number: 86C902 GZ. 405U
Location: SARL Drive Salem NH
Date: 11/14/19
Sampler: MAEW
Time: 830
Weather: OVERCAST 18F

Protective Casing Present	(Y)	N	Cement Pad Present	(Y)	N
Protective Casing Locked	(Y)	N	Standing Water	Y	(N)
Cap on Well Riser	Y	(N)	Visible Heaving	Y	(N)
Physical Damage	Y	(N)	Visible Subsidence	Y	(N)

Comment: 1 PVC

Depth to Water: 6.02
Depth to Product:
Total Depth: 19.17
Water Column: 13.15
Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC
Well Volume: 2.5 0.53
Development/Purge Device: Geotech

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
830	9.81	75	4.61	101.6	6.01	26	0.2	0.2
835	9.06	63	4.60	25.1	5.12	15.6	0.2	0.4
840	7.15	62	3.01	16.7	5.91	14.8	0.2	0.6
845	9.15	59	2.69	15.5	5.40	10.2	0.2	0.8
850	10.06	53	2.71	14.2	5.31	3.9	0.1	1.0
855	10.07	52	2.72	13.6	5.30	3.0	0.2	1.2
900	10.58	51	2.73	12.7	5.30	3.1	0	1.4

Color: DARK
Odor: NONE
Sheen: Y (N)
Turbidity: (L) M H VH
Volume Purged: 1.4
Duration: 30m

Sample Collection Date: 11/14/19 Time: 901

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: MACKAY
Weather: Overcast 18F

Well Number: GZ-[illegible]L 405L
Date: 11/14/19
Time: 830

Protective Casing Present	(Y)	N	Cement Pad Present	(Y)	N
Protective Casing Locked	(Y)	N	Standing Water	Y	(N)
Cap on Well Riser	Y	(N)	Visible Heaving	Y	(N)
Physical Damage	Y	(N)	Visible Subsidence	Y	(N)

Comment:

Depth to Water: 7.86
Depth to Product: —
Total Depth: 45.15
Water Column: 37.29

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 6L.4

Development/Purge Device: Geotech 2

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
905	9.65	63	3.00	-16.5	6.39	26.3	0.2	0.2
910	9.72	97	2.01	-15.5	5.51	13.9	0.2	0.4
915	9.72	106	1.75	-13.6	5.72	11.6	0.2	0.6
920	9.69	145	1.78	-14.4	5.80	7.8	0.2	0.8
925	9.64	247	0.89	-39.1	6.14	7.2	0.2	1.0
930	9.56	250	0.81	-46.7	6.21	6.3	0.2	1.2
935	9.50	255	1.07	-53.1	6.26	4.6	0.2	1.4
940	9.51	256	1.06	-53.2	6.27	4.5	0.2	1.6
945	9.58	258	1.04	-53.6	6.30	4.1	0.2	18

Color: CLEAR
Odor: NONE

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 18
Duration: 40M

Sample Collection

Date: 11/14/19
Time: 946

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: MACKAY
Weather: Sunny 18F

Well Number: ~~GZ-90FV~~ GZ-505LR
Date: 11/13/19
Time: 9:20

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment:

Depth to Water: 8.02
Depth to Product: —
Total Depth: 50.88
Water Column: 42.86

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 7.02

Development/Purge Device: Geotech 2

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
930	7.76	298	5.31	-35.1	6.61	22.1	0.2	0.25
935	8.95	296	4.21	-31.2	6.63	12.6	0.2	0.5
940	8.99	293	3.69	-30.9	6.64	10.4	0.2	0.75
945	9.04	296	3.63	-28.9	6.65	10.5	0.2	1.0
950	9.23	300	3.31	-28.6	6.60	8.1	0.2	1.25
955	9.58	331	1.99	-27.9	6.63	5.9	0.2	1.5
1000	9.60	336	1.96	-28.8	6.62	4.3	0.2	1.75
1005	9.60	337	1.94	-27.1	6.63	4.0	0.1	2.0
1010	9.67	324	1.26	-32.9	6.64	3.8	0.2	2.25
1015	9.69	325	1.25	-33.1	6.64	3.1	0.2	2.5
1020	9.69	324	1.24	-33.2	6.63	3.0	0.2	2.75

Color: CLEAR
Odor: NONE

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 2.75
Duration: 50 MIN

Sample Collection

Date: 11/13/19
Time: 1021

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: MACKAY
Weather: Sunny 19F

Well Number: ~~67-90~~ 67-607U
Date: 11/13/19
Time: 1030

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: 1.5" PVC

Depth to Water: ~~8.64~~ 6.34
Depth to Product: —
Total Depth: 24.37
Water Column: 17.99

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 1.65

Development/Purge Device: Geotech2

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1035	8.40	151	3.58	-18.7	6.74	23.9	0.2	0.25
1040	8.32	246	3.37	20.7	6.38	18.9	0.2	0.50
1045	10.60	89	3.20	60.3	6.01	13.9	0.2	0.75
1050	11.10	86	3.10	72.1	6.00	12.6	0.2	1.0
1055	11.51	85	3.14	80.6	5.73	11.0	0.2	1.25
1100	11.51	86	3.10	88.6	5.06	11.3	0.2	1.5
1105	11.55	76	4.50	97.7	4.99	10.2	0.2	1.75
1110	11.96	76	4.94	100.7	4.96	3.2	0.2	2.0
1115	11.45	76	4.95	100.9	4.92	3.0	0.2	2.25
1120	11.46	75	4.96	101.3	4.91	3.1	0.2	2.5

Color: Clear
Odor: None

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 2.5
Duration: ~~35~~ 55 min

Sample Collection

Date: 12/13/19
Time: 1215

Remarks: Collect MS/MSD

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: RW
Weather: Overcast

Well Number: GZ-609U
Date: 11/14/19
Time: 1000

Protective Casing Present (Y) N
Protective Casing Locked (Y) (N)
Cap on Well Riser (Y) (N)
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: 1.5"

Depth to Water: 8.85
Depth to Product: —
Total Depth: 23.58
Water Column: 14.73

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 1.35

Development/Purge Device: Geo

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1000	10.18	391	2.37	32.4	6.20	59.6	0.2	0.2
1010	10.92	399	1.26	28.6	6.31	26.1	0.2	0.6
1015	11.01	406	1.18	22.1	6.40	28.3	0.2	0.8
1020	11.58	412	1.17	19.3	6.49	20.1	0.2	1.0
1025	11.70	412	0.92	16.8	6.37	15.3	0.2	1.2
1030	11.75	404	0.85	15.3	6.36	10.2	0.2	1.4
1035	11.77	399	0.88	14.2	6.35	4.1	0.2	1.6
1040	11.78	398	0.87	14.4	6.37	3.7	0.2	1.8
1045	11.77	396	0.86	14.5	6.35	3.2	0.2	2.0

Color: Clear
Odor: None

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 2.0
Duration: 45

Sample Collection

Date: 11/14/19
Time: 1046

Remarks: Collect Dup-3

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: MACKAY
Weather: OVCST 20F

Well Number: GZ-609L
Date: 11-14-19
Time: 1050

Protective Casing Present	(Y)	N	Cement Pad Present	(Y)	N
Protective Casing Locked	Y	(N)	Standing Water	Y	(N)
Cap on Well Riser	Y	(N)	Visible Heaving	Y	(N)
Physical Damage	Y	(N)	Visible Subsidence	Y	(N)

Comment: Lock cut

Depth to Water: 9.18
Depth to Product: —
Total Depth: 50.20
Water Column: 41.02

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 6.7

Development/Purge Device: Geo

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1050	10.64	534	2.0	-38.9	5.99	21.2	0.2	0.25
1055	10.78	538	1.21	-39.5	6.40	15.1	0.2	0.5
1100	10.79	549	0.68	-42.8	6.41	3.6	0.2	0.75
1105	10.80	554	0.61	-52.6	6.43	3.4	0.2	1.0
1110	10.79	646	0.31	-56.4	6.55	3.0	0.2	1.25
1115	10.80	704	0.12	-59.6	6.65	2.9	0.2	1.5
1120	10.82	721	0.12	-58.6	6.66	2.8	0.2	1.75
1125	10.80	722	0.12	-58.6	6.66	2.5	0.2	2.0

Color: Clear
Odor: None

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 2.0
Duration: 35

Sample Collection

Date: 11/14/19
Time: 1126

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: [illegible]
Weather: Sunny 20

Well Number: EGI-BWEA 62-612U
Date: 10/13/14
Time: 1230

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment:

Depth to Water: 7.43
Depth to Product: —
Total Depth: 22.80
Water Column: 15.37

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 2.52

Development/Purge Device: Geotech

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1230	11.91	306	2.06	63.9	6.19	39.5	0.2	0.25
1235	11.90	318	1.45	64.1	6.23	46.1	0.2	0.5
1240	11.96	320	1.13	55.4	6.12	21.0	0.2	0.75
1245	12.20	341	0.43	53.1	6.11	14.6	0.2	1.0
1250	12.16	336	0.35	53.6	6.10	4.6	0.2	1.25
1255	12.17	335	0.37	53.8	6.08	4.0	0.2	1.5
1300	12.15	334	0.39	53.1	6.07	3.8	0.2	1.75
1305	12.16	333	0.38	53.6	6.08	3.7	0.2	2.0

Color: Clear
Odor: NONE

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 2.0
Duration: 35min

Sample Collection

Date: 10/13/14
Time: 1306

Remarks: DUPLICATE-2 collected

Signature of Sampler: [signature]

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: MACKAY
Weather: OVERCAST 40

Well Number: GZ-701U
Date: 11/12/19
Time: 7:55

Protective Casing Present (Y) N
Protective Casing Locked Y (N)
Cap on Well Riser Y (N)
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: 1" PVC

Depth to Water: 4.1
Depth to Product: —
Total Depth: 23.05
Water Column: 18.95

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 0.72

Development/Purge Device: Geotech 2

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
755	10.1	401	5.16	106	6.19	11.6	0.2	0.25
800	11.33	392	5.00	121.6	6.20	10.4	0.2	0.5
805	11.34	381	4.39	88.9	5.21	8.1	0.2	0.75
810	11.35	364	4.26	85.6	5.30	5.2	0.2	1.0
815	11.82	377	2.96	78.9	5.14	4.0	0.2	1.25
820	11.93	386	2.24	73.5	5.10	3.9	0.2	1.5
825	11.93	387	2.25	73.6	5.05	3.1	0.2	1.75
830	11.92	386	2.24	73.5	5.06	3.0	0.2	2.0

Color: CLEAR
Odor: NONE

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 2.0 gal
Duration: 35 min

Sample Collection

Date: 11/12/19
Time: 831

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: MACKAY
Weather: Overcast 40

Well Number: GZ-701L
Date: 11/12/19
Time: 8:34

Protective Casing Present (Y) N
Protective Casing Locked Y (N)
Cap on Well Riser Y (N)
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: 2" PVC

Depth to Water: 3.58
Depth to Product: —
Total Depth: 62.12
Water Column: 58.54

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 9.6

Development/Purge Device: Grokan

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
835	10.26	1104	3.20	95.1	5.83	13.5	0.2	0.25
840	11.36	1206	1.76	89.1	5.91	10.6	0.7	0.75
845	11.37	1243	1.20	83.4	6.07	8.2	0.2	0.75
850	11.37	1269	1.07	85.1	6.06	3.8	0.2	1.0
855	11.36	1268	1.06	85.2	6.05	2.1	0.2	1.25
900	11.35	1269	1.05	85.4	6.06	2.0	0.2	1.5
905	11.34	1270	1.05	85.1	6.08	2.0	0.2	1.75

Color: Clear
Odor: None

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 1.75
Duration: 30min

Sample Collection

Date: 11/12/19
Time: 906

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: MACKAY
Weather: Sunny 20

Well Number: 67-802US
Date: 11/13/19
Time: 1145

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser Y (N)
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: 1.5" PVC

Depth to Water: 5.16
Depth to Product:
Total Depth: 13.31
Water Column: 8.15

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 0.75

Development/Purge Device: Geotech

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1145	10.21	601	5.21	69.3	6.01	26.5	0.2	0.25
1150	10.39	759	2.16	67.8	6.00	18.3	0.2	0.5
1155	11.96	772	1.14	67.2	5.78	3.0	0.2	0.75
1200	11.93	776	1.13	65.7	5.78	3.9	0.2	1.0
1205	11.91	745	0.99	56.1	5.77	3.4	0.2	1.25
1210	11.90	735	0.98	50.8	5.76	2.9	0.2	1.5
1215	11.87	732	1.00	50.6	5.76	3.1	0.2	1.75
1220	11.89	730	1.01	50.9	5.75	2.8	0.2	2.0

Color: Clear
Odor: None

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 2.0
Duration: 35

Sample Collection

Date: 11/13/19
Time: 1221

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: MACKEN
Weather: Sunny 25

Well Number: GZ-901U
Date: 11/15/19
Time: 1025

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment:

Depth to Water: 5.44
Depth to Product:
Total Depth: 11.61
Water Column: 6.17

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 1.01

Development/Purge Device: Geotech

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1025	11.08	496	3.53	65.1	7.27	15.3	0.2	0.2
1030	11.26	459	1.91	51.2	6.59	11.2	0.2	0.4
1035	11.81	488	1.75	47.9	6.58	6.5	0.2	0.6
1040	11.66	488	1.40	48.7	6.47	5.7	0.1	0.8
1045	11.69	486	1.06	48.3	6.44	4.5	0.1	1.0
1050	11.69	491	1.05	46.7	6.41	4.1	0.1	1.2
1055	11.84	499	0.99	46.1	6.40	4.0	0.1	1.4
1100	11.85	499	0.99	45.9	6.40	3.9	0.1	1.6
1105	11.84	499	0.98	45.8	6.41	3.8	0.1	1.8

Color: Clear
Odor: None

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 1.8
Duration: 40m

Sample Collection

Date: 11/15/19
Time: 1106

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: MACKAY
Weather: SUNNY 25F

Well Number: GZ-901L
Date: 11/15/19
Time: 1110

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment:

Depth to Water: 5.04
Depth to Product: —
Total Depth: 34.23
Water Column: 29.19

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC
Well Volume: 4.78

Development/Purge Device: Geotech 2

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1110	11.21	457	2.61	41.3	6.99	12.8	0.2	0.2
1115	11.21	445	0.81	34.6	6.95	7.6	0.2	0.4
1120	11.23	441	0.79	34.1	6.92	7.3	0.2	0.6
1125	11.27	454	0.70	34.4	6.92	7.0	0.2	0.8
1130	11.20	460	0.69	34.9	6.91	4.8	0.2	1.0
1135	11.15	481	0.64	34.7	6.89	3.3	0.1	1.2
1140	11.16	482	0.65	34.8	6.88	3.2	0.1	1.4
1145	11.15	483	0.64	35.9	6.87	3.0	0.1	1.6

Color: Clear
Odor: None

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 1.6
Duration: 35m

Sample Collection

Date: 11/15/19
Time: 1146

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: MACKm
Weather: Sunny 20

Well Number: SG-902U
Date: 11/15/19
Time: 830

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment:

Depth to Water: 5.91
Depth to Product:
Total Depth: 15.15
Water Column: 9.24

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 1.5 l

Development/Purge Device: Geotech 2

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
835	10.26	345	3.64	56.5	6.20	13.1	0.2	0.2
840	10.53	344	1.96	57.0	6.17	10.2	0.2	0.4
845	10.57	342	1.38	54.1	6.20	5.1	0.2	0.6
850	10.70	324	0.75	36.1	6.30	4.4	0.2	0.6
855	10.71	323	0.62	30.0	6.31	3.7	0.2	0.8
900	10.70	323	0.61	30.2	6.30	3.1	0.2	1.0
905	10.70	321	0.61	30.1	6.30	2.9	0.2	1.2

Color: Clear
Odor: NM

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 1.2
Duration: 35min

Sample Collection

Date: 11/15/19
Time: 906

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: MW
Weather: Sny 20F

Well Number: GZ-902M
Date: 11/15/19
Time: 910

Protective Casing Present	(Y)	N	Cement Pad Present	(Y)	N
Protective Casing Locked	(Y)	N	Standing Water	Y	(N)
Cap on Well Riser	Y	(N)	Visible Heaving	Y	(N)
Physical Damage	Y	(N)	Visible Subsidence	Y	(N)

Comment:

Depth to Water: 5.64
Depth to Product:
Total Depth: 25.91
Water Column: 20.27

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC
Well Volume: 3.3

Development/Purge Device: Grab

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
910	10.01	160	2.31	20.6	7.01	18.6	0.2	0.2
915	10.03	159	1.47	5.1	7.44	15.1	0.2	0.4
920	10.13	160	1.15	6.9	7.65	10.1	0.2	0.6
925	10.14	162	1.11	7.1	7.79	3.7	0.2	0.8
930	10.26	164	0.81	12.7	7.86	3.6	0.2	1.0
935	10.25	163	0.82	12.8	7.85	3.5	0.2	1.2
940	10.25	164	0.80	12.9	7.88	3.2	0.1	1.4

Color: Clear
Odor: None

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 1.4 g
Duration: 35m

Sample Collection

Date: 11/15/19
Time: 941

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: RM
Weather: Sny 20

Well Number: GZ-902L
Date: 11/15/19
Time: 945

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment:

Depth to Water: 3.51
Depth to Product: —
Total Depth: 63.8
Water Column: 60.29

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 9.88

Development/Purge Device: GeoPump

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
945	9.38	151	0.81	13.1	7.29	12.5	0.1	0.2
950	9.41	149	0.72	72.9	8.23	8.8	0.1	0.4
955	9.57	150	0.51	7.6	8.21	5.3	0.1	0.6
1000	9.56	150	0.42	7.5	8.46	4.6	0.1	0.8
1005	9.62	150	0.41	7.6	8.48	4.3	0.1	1.0
1010	9.61	150	0.39	7.5	8.49	4.1	0.1	1.2
1015	9.62	150	0.39	7.4	8.48	4.1	0.1	1.4

Color: Clr
Odor: —

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 1.4
Duration: 30

Sample Collection

Date: 11/15/19
Time: 1016

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: JMACKIN
Weather: OVERCAST 45

Well Number: GZ-903U
Date: 10-11-19
Time: 1010

Protective Casing Present (Y) N
Protective Casing Locked Y (N)
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment:

Depth to Water: 2.27
Depth to Product: —
Total Depth: 12.20
Water Column: 9.93

Type of Protective Casing: (RB) SU
Measuring Point: (TOC) TPC

Well Volume: 1.62

Development/Purge Device: Geolk

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1010	12.60	404	10.0	103.7	5.97	12.6	0.1	0.25
1015	12.67	405	10.09	102.6	6.13	10.2	0.1	0.5
1020	12.69	404	9.30	103.6	6.14	9.8	0.1	0.75
1025	12.74	401	9.30	104.6	6.17	7.6	0.1	1.0
1030	12.75	385	9.60	106.3	6.18	3.7	0.1	1.25
1035	12.76	384	9.61	106.5	6.18	3.8	0.1	1.5
1040	12.75	384	9.60	106.8	6.18	3.4	0.1	2.0
1045	12.75	385	9.61	106.9	6.17	3.3	0.1	2.5

Color: CLEAR
Odor: NONE

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 2.5 gal
Duration: 35m

Sample Collection

Date: 10/11/19
Time: 1046

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: Mackm
Weather: OVERCAST 40

Well Number: 6Z-904U
Date: 11/11/19
Time: 12:15

Protective Casing Present	(Y)	N	Cement Pad Present	(Y)	N
Protective Casing Locked	Y	(N)	Standing Water	Y	(N)
Cap on Well Riser	(Y)	N	Visible Heaving	Y	(N)
Physical Damage	Y	(N)	Visible Subsidence	Y	(N)

Comment:

Depth to Water: 5.59
Depth to Product: —
Total Depth: 9.50
Water Column: 3.91

Type of Protective Casing: (RB) SU
Measuring Point: (TOC) TPC

Well Volume: 0.64

Development/Purge Device: Geo h

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1215	12.01	531	10.16	92.6	5.99	6.9	0.2	0.25
1220	11.99	506	10.15	103.1	5.99	7.2	0.2	0.75
1225	11.98	425	10.11	104.6	6.13	6.0	0.2	1.25
1230	11.95	401	9.00	101.2	6.15	3.2	0.2	1.75
1235	11.94	446	8.06	101.2	6.17	1.15	0.2	2.25
1240	11.95	445	8.10	105.1	6.12	1.01	0.2	2.75
1245	11.96	446	8.08	105.6	6.11	1.11	0.2	3.00
1250	11.95	447	8.06	105.9	6.10	1.10	0.2	3.25

Color: Clear
Odor: None

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 3.25
Duration: 35 min

Sample Collection Date: 11/11/19 Time: 1251

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: MACKAY
Weather: OVERCAST 45

Well Number: GZ-905U
Date: 11/11/15
Time: 10:50

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment:

Depth to Water: 5.64
Depth to Product: —
Total Depth: 13.62
Water Column: 7.98

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 1.3

Development/Purge Device: Geoflow

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1050	12.01	373	1.68	106.0	6.04	13.9	0.7	0.25
1055	12.27	372	0.66	96	5.96	6.1	0.1	0.5
1100	12.32	364	0.67	89.1	5.97	5.2	0.1	0.75
1105	12.37	358	0.66	83.5	5.97	4.0	0.1	1.0
1110	12.36	356	0.66	82.5	5.97	3.6	0.1	1.25
1115	12.38	356	0.57	77.3	5.97	3.1	0.1	1.5
1120	12.37	355	0.56	77.2	5.96	3.0	0.1	2.0
1125	12.36	354	0.56	77.2	5.97	2.6	0.1	2.5

Color: CLEAR
Odor: NONE

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 2.5
Duration: 35 min

Sample Collection

Date: 11/11/15
Time: 1126

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: RMackay
Weather: Overcast 40

Well Number: GZ-905L
Date: 11/11/19
Time: 1130

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment:

Depth to Water: 5.42
Depth to Product: —
Total Depth: 31.60
Water Column: 26.18

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 4.29

Development/Purge Device: Geotech

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1130	12.02	301	5.79	76.5	6.48	13.8	0.1	0.25
1135	11.90	299	3.31	79.5	6.64	10.6	0.1	0.5
1140	11.82	296	3.28	82.1	6.65	11.9	0.1	0.75
1145	11.69	295	3.29	84.4	6.66	11.60	0.2	1.25
1150	11.68	296	3.26	84.7	6.65	3.21	0.3	1.75
1155	11.94	294	3.14	88.6	6.67	2.01	0.3	2.25
1200	11.38	295	2.96	90.0	6.70	1.15	0.3	2.75
1205	11.35	294	2.95	89.9	6.71	1.10	0.3	3.25
1210	~~11.38~~	294	2.94	90.4	6.72	1.10	0.3	3.50
	11.38							

Color: Clear
Odor: None

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 3.5
Duration: 40 min

Sample Collection

Date: 11/11/19
Time: 1211

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: Marcus
Weather: Sunny 25

Well Number: SW-1
Date: 11/15/19
Time: 1258

Protective Casing Present	Y	N
Protective Casing Locked	Y	N
Cap on Well Riser	Y	N
Physical Damage	Y	N
Cement Pad Present	Y	N
Standing Water	Y	N
Visible Heaving	Y	N
Visible Subsidence	Y	N

Comment:

Depth to Water:
Depth to Product:
Total Depth:
Water Column:

Type of Protective Casing: RB SU
Measuring Point: TOC TPC

Well Volume:

Development/Purge Device:

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1258	6.56	275	8.21	849	6.44	151	—	—

Color: Clear
Odor: None

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged:
Duration:

Sample Collection

Date: 11/15/19
Time: 1258

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: Macy
Weather: Overcast Drizzle 40s

Well Number: SW-2
Date: 11/12/19
Time: 915

Protective Casing Present	Y	N	Cement Pad Present	Y	N
Protective Casing Locked	Y	N	Standing Water	Y	N
Cap on Well Riser	Y	N	Visible Heaving	Y	N
Physical Damage	Y	N	Visible Subsidence	Y	N

Comment:

Depth to Water:
Depth to Product:
Total Depth:
Water Column:

Type of Protective Casing: RB SU
Measuring Point: TOC TPC

Well Volume:

Development/Purge Device:

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
915	4.8	176	4.31	25.6	7.25	10.6	—	—

Color: Clear
Odor: None

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged:
Duration:

Sample Collection

Date: 11/12/19
Time: 915

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler:
Weather:

Well Number: SG-902
Date: 11/15/14
Time: 835

Protective Casing Present	Y	N	Cement Pad Present	Y	N
Protective Casing Locked	Y	N	Standing Water	Y	N
Cap on Well Riser	Y	N	Visible Heaving	Y	N
Physical Damage	Y	N	Visible Subsidence	Y	N

Comment: Measure I on STAFF GAUGE
1" PVC grab SW sample

Depth to Water: 3.35
Depth to Product:
Total Depth:
Water Column:

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume:

Development/Purge Device:

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
	4.2	301	4.16	281	6.55	13.6	—	-

Color: Clear
Odor: None

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged:
Duration:

Sample Collection

Date: 11/15/1
Time: 825

Remarks:

Signature of Sampler:

CHAIN OF CUSTODY

PAGE 1 OF 3

ALPHA ANALYTICAL
World Class Chemistry

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #:

Client Information

Client: Woodard & Curran
Address: 40 Shattuck Road Suite 110
Andover MA 01810
Phone:
Fax:
Email: solney@woodardcurran.com

☒ These samples have been Previously analyzed by Alpha

Project Information

Project Name: Salem NH FWTP
Project Location: SARL drive Salem NH
Project #:
Project Manager: SAM OLNEY
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)
Due Date: Time:

Report Information Data Deliverables

☐ FAX ☐ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program Criteria

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

8260 VOC Full NH DES List

ANALYSIS

8260 VOC FULL NH DES LIST

SAMPLE HANDLING
Filtration
☒ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	8260 VOC FULL NH DES LIST	TOTAL # BOTTLES	Sample Specific Comments
	GZ-10LR	11/11/19	916	GW	RM	☒		
	GZ-10UR		956			☒		
	GZ-903U		1046			☒		
	GZ-905L		1211			☒		
	GZ-905U		1126			☒		
	GZ-904U		1251			☒		
	GZ-2		1356			☒		
	GZ-2L		1436			☒		
	GZ 202L		1536			☒		
	MW-6		1621			☒		
					Container Type	V		
					Preservative	B		

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
	11/13/19 1350		

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I)
(rev. 6-JAN-12)

CHAIN OF CUSTODY

PAGE 2 OF 3

ALPHA ANALYTICAL
World Class Chemistry

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #:

Client Information

Client: Woodard & Curran
Address: 40 Shattuck Road Suite 110
Andover MA 01810
Phone:
Fax:
Email: solney@woodardcurran.com

☒ These samples have been Previously analyzed by Alpha

Project Information

Project Name: Salem NH FWTP
Project Location: SARL drive Salem NH
Project #:
Project Manager: SAM OLNEY
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: Time:

Other Project Specific Requirements/Comments/Detection Limits:

Report Information Data Deliverables

☐ FAX ☐ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program Criteria

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

ANALYSIS

8260 VOC FULL NH DES LIST

SAMPLE HANDLING
Filtration
☒ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	
	GZ-701 U	11/12/19	931	BW	RM	☒
	GZ-701 L		906	GW		☒
	SW-2		915	SW		☒
	GZ-403U		1011	GW		☒
	GZ-403L		1101			☒
	GZ-3A		1201			☒
	GZ-3L		1236			☒
	GZ-3B		1311			☒
	GZ-301		1406			☒
	TRIP BLANK-1					☒

Container Type	V	-	-	-	-	-	-	-	-	-	-	-
Preservative	B	-	-	-	-	-	-	-	-	-	-	-

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
	11/13/19 1350		

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I)
(rev. 5-JAN-12)

CHAIN OF CUSTODY

PAGE 3 OF 3

ALPHA ANALYTICAL
World Class Chemistry

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #:

Client Information

Client: Woodard & Curran
Address: 40 Shattuck Road Suite 110
Andover MA 01810
Phone:
Fax:
Email: solney@woodardcurran.com

☒ These samples have been Previously analyzed by Alpha

Project Information

Project Name: Salem NH FWTP
Project Location: SARL drive Salem NH
Project #:
Project Manager: SAM OLNEY
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: Time:

Other Project Specific Requirements/Comments/Detection Limits:

Report Information Data Deliverables

☐ FAX ☐ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program Criteria

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

ANALYSIS

8260 VOC FULL NH DOE LIST

SAMPLE HANDLING
Filtration
☒ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	8260 VOC FULL NH DOE LIST	TOTAL # BOTTLES	Sample Specific Comments
	GZ-505LR	11/13/19	1021	GW	RM	☒		
	GZ-607U	1	1121			☒		
	MS-GZ-607U		1121			☒		
	MSD-GZ-607U		1121			☒		
	GZ-802US		1221			☒		
	DUPLICATE-1		—			☒		
	GZ-612U		1306			☒		
	DUPLICATE-2	↓	—	↓	↓	☒		
						☒		
						☐		

Container Type	✓	-	-	-	-	-	-	-	-	-	-	-
Preservative	B	-	-	-	-	-	-	-	-	-	-	-

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
	11/13/19 1330		

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I)
(rev. 5-JAN-12)

Client Information

Client: Woodard & Curran
Address: 40 Shattuck Road Suite 110
Andover MA 01810
Phone:
Fax:
Email: solney@woodardcurran.com
☒ These samples have been Previously analyzed by Alpha

Project Location: SARL drive Salem NH
Project #:
Project Manager: SAM OLNEY
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)
Due Date: Time:

Other Project Specific Requirements/Comments/Detection Limits:

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

ANALYSIS

8260 VOC FULL NH DOE LIST

SAMPLE HANDLING
Filtration
☒ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials
	GZ-901U	9/15/19	~~936~~ 1106	GW	BW
	GZ-901L		1146		
	GZ-902U		906		
	GZ-902M		941		
	GZ-902L		1016		
	SG-902		825	SW	
	GZ-201L		816	GW	
	GZ-303		1241		
	SW-1		1255		
	TRIP BLANK-2		~		J

X	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
X	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
X	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
X	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
X	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
X	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
X	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
X	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
X	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
X	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Container Type	V	-	-	-	-	-	-	-	-	-	-	-
Preservative	B	-	-	-	-	-	-	-	-	-	-	-

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

FORM NO: 01-01(I)
(rev. 8-JAN-12)

Relinquished By:	Date/Time	Received By:	Date/Time

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

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CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #:

Project Information

Project Name: Salem NH FWTP

Project Location: SARL drive Salem NH

Project #:

Project Manager: SAM OLNEY

ALPHA Quote #:

Report Information — Data Deliverables

☐ FAX ☐ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program Criteria

Client Information

Client: Woodard & Curran

Address: 40 Shattuck Road Suite 110

Andover MA 01810

Phone:

Fax:

Email: solney@woodardcurran.com

☒ These samples have been Previously analyzed by Alpha

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: Time:

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS

8260 VOC FULL NH DOES LIST

SAMPLE HANDLING

Filtration
☒ Done
☐ Not Needed
☐ Lab to do

Preservation
☐ Lab to do

(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Sample Specific Comments
	GZ-405U	11/4/19	901	GW	RM	
	GZ-405L		946			
	GZ-609U		1046			
	GZ-609L		1126			
	DUPLICATE-3		—			
	GZ-404U		1211			
	MW-1S		1413			
	MW-1D		1449			
	GZ-9U		1301			
	GZ-9L		1336			

Container Type V

Preservative B

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT ALPHA MCP or CT RCP?

FORM NO: 01-01(I) (8-JAN-12)

Relinquished By:	Date/Time	Received By:	Date/Time

Please print clearly, legi and completely. Sampl not be logged in and turnaround time clock w start until any ambiguiti resolved. All samples submitted are subject t Alpha's Payment Term

Scanned with CamScanner

CHAIN OF CUSTODY

PAGE 3 OF 3

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Date Rec'd in Lab:

ALPHA Job #:

Client Information

Client: WOODARD & CURRAN

Address: 40 SHATTUCK RD Suite 110
ANDOVER MA 01810

Phone:

Email: SOlney@WOODARDCURRAN.com

Project Information

Project Name: SALEM FWTP

Project Location: SARL Drive SALEM NH

Project #:

Project Manager: Sam Olney

ALPHA Quote #:

Report Information - Data Deliverables

❑ ADEx ❑ EMAIL

Billing Information

❑ Same as Client info PO #:

Regulatory Requirements & Project Information Requirements

❑ Yes ❑ No MA MCP Analytical Methods ❑ Yes ❑ No CT RCP Analytical Methods
❑ Yes ❑ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
❑ Yes ❑ No GW1 Standards (Info Required for Metals & EPH with Targets)
❑ Yes ❑ No NPDES RGP
❑ Other State /Fed Program _____ Criteria _____

Turn-Around Time

❑ Standard ❑ RUSH *(only confirmed if pre-approved!)*

Date Due:

Additional Project Information:

Full NHDES VOC List

ANALYSIS

VOC: ☒ 8260 ❑ 624 ❑ 524.2
SVOC: ❑ ABN ❑ PAH
METALS: ❑ MCP 13 ❑ MCP 14 ❑ RCP 15
METALS: ❑ RCRA5 ❑ RCRA8 ❑ PP13
EPH: ❑ Ranges & Targets ❑ Ranges Only
VPH: ❑ Ranges & Targets ❑ Ranges Only
❑ PCB ❑ PEST
TPH: ❑ Quant Only ❑ Fingerprint

SAMPLE INFO

Filtration
❑ Field
❑ Lab to do

Preservation
❑ Lab to do

Sample Comments

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	VOC															Sample Comments	TOTAL # BOTTLES
	Equipment Blank	11/15/19	1250	DI	RM	X																3

Container Type: V
Preservative: B

Container Type
P= Plastic
A= Amber glass
V= Vial
G= Glass
B= Bacteria cup
C= Cube
O= Other
E= Encore
D= BOD Bottle

Preservative
A= None
B= HCl
C= HNO_3
D= H_2SO_4
E= NaOH
F= MeOH
G= $NaHSO_4$
H = $Na_2S_2O_3$
I= Ascorbic Acid
J = NH_4Cl
K= Zn Acetate
O= Other

Relinquished By:	Date/Time	Received By:	Date/Time
DMD	11/15/19 1500	TRAN	11/15/19 1500

All samples submitted are subject to Alpha's Terms and Conditions.
See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)

APPENDIX D.6

HAND SOIL BORING DOCUMENTATION

GFS GEOLOGICAL FIELD SERVICES, INC.

July 2, 2019

Note, per GFS' August 2019 monitoring report, monitoring well MW19-07U was renamed UW19-01U, and MW19-08U was renamed UW19-02U

Ms. Samantha Olney
Woodard and Curran
40 Shattuck Road Suite 110
Andover, MA 01810

RE: Salem NH FWTF.

Dear Ms. Olney:

On July 11 and 25, 2019, Geological Field Services, Inc. (GFS) conducted environmental field activities at the Former Waste Water Treatment Facility in Salem New Hampshire. GFS advanced seven hand borings, installed three piezometers and developed nine newly installed monitoring wells. All work was conducted according to the scope of work provided by Woodard and Curran. The following is a description of all related field activities.

Hand Boring Soil Sample

On July 11, 2019 GFS advanced seven hand driven soil borings identified as HSB19-1 through HSB19-7. The location of the soil borings were previously identified in the field by Woodard & Curran employees. During the hand boring activities the names of the borings were changed the original GIS identification and the field identification are listed on the attached table. Hand borings were advanced using a hand driven Geoprobe macro sampling tube with disposable acetate liners. The top one foot at each location was excavated using a post hole digger. The Geoporobe tooling and post hole digger were decontaminated with a series of Alconox soap washes and DI water rinses prior to advancement at each location. The probe was driven into the water table at each locations and to a maximum depth of seven feet below grade. Soil samples were field classified using a modified Burmister scale in the field, detailed soil descriptions are presented on the attached probe logs.

Soils consisted of a one to two-foot-thick layer of dark brown organic rich top soil underlain with a well sorted brown to yellow brown fine sand with trace gravel. Saturated soils were encountered at a depth of 3.5 feet below grade (HSB19-7_ to 5.5 feet below grade HSB19-5). Soil headspace was screened using a RAE systems Mini 2000 PID with a 10.6eV lamp calibrated with 100 ppm Isobutylene at the start of the day. No elevated headspace readings wer observed in any of the soil collected. Soil samples were taken from each hand boring at the water table. The depths of the samples are presented in the attached Table. Soil boring logs are presented in Appendix A.

Piezometer Installation

On July 11, 2019 GFS, installed three hand driven Piezometers identified as PZ19-2, PZ19-6 and PZ19-7, referencing corresponding the hand boring (HSB190). Piezometers were constructed of a 36” stainless steel well point and a section of 1.125” black steel riser pipe. The piezometer was hand driven to a depth that intercepted the ground water table. The piezometer was completed

with a PVC protective cap. As built specifications and screen depths are presented on the attached table.

Monitoring Well Development
On July 25, 2019 GFS developed the nine newly installed ground monitoring wells identified as MW19-01U, MW19-02U, MW19-02L, MW19-03U, MW19-04U, MW19-05U, MW19-06L, MW19-07U and MW19-08U. The monitoring wells were surged using virgin HDPE tubing and a TuBaH foot valve equipped with a surge block. The wells were surged to restore the connection with the aquifer and remove fines from the wells. The Surge block was removed, and the foot valve was used to pump the accumulated fine material from the bottom of the well. The wells were developed until a minimum of five well volumes were removed, or the turbidity of the wells dropped. Field parameters were recorded at five to ten-gallon purge intervals and recorded on field sheets copies are attached in Appendix BS. when the development was complete virgin ¼" HDPE tubing and silicone pump head sample tubing was installed in all of the ground water wells.

Please contact me if you have any questions.

Sincerely:
GEOLOGICAL FIELD SERVICES, INC.



Ryan MacKay
Senior Geologist
18193_0719_July_HB_develop

Table 1
Saoil sample and piezometer screen intervals
SALEM NH FWTP
July 11, 2019

Staked Location name	Field sample Name	Sample type	Sample Depth	Screen Interval
HSB19-1	HSB19-1	Soil	3-4'	NA
HSB19-12	HSB19-2	Soil	5-7'	NA
PZ19-12	PZ19-2	NA	NA	5.2-7.7'
HSB19-5	HSB19-3	Soil	5-7'	NA
HSB19-7	HSB19-4	Soil	5-7'	NA
HSB19-13	HSB19-5	Soil	3.6-	NA
HSB19-15	HSB19-7	Soil	3-4'	NA
PZ19-15	PZ19-7	NA	NA	3.5-6'
HSB19-14	HSB19-6	Soil	3-4'	NA
PZ19-14	PZ19-6	NA	NA	3.1-5.7'

APPENDIX A

GEOLOGICAL FIELD SERVICE 14 Hubon Street Salem, MA 01970 (781) 662-9800	Client: Woodard & Curra	BORING NUMBER:HSB19-1
	Project:Salem NH FWTP	
	Location: SARL Drive Salem NH	Sheet No: 1 of: 1

Inspector: MacKay	Date Start: 7/11/19	Elevation:
Driller: MacKay	Date Finish:7/11/19	Water Elev:
Company: GFS	Field Eq: RAE Mini2000	Cal Gas:100 PPM ISO

Drill Method: Hand DrivenGeoProbe Sample: 3' x 2.125" Marco w/acetate liners

Sample			Strata Change	Classification and Remarks
Depth (Feet)	Number	Recovery (Inches		
				refusal on four locations on conccrete
				drainage structure.
				moved 2' to west.
0		36"		Brown well sorted, fine SAND and
				gravel latyer at 24" same
1				brown well sorted fine sand to
				36", saturated at 26"
2				0.0 ppm OVM
				Lab sample from 2-3 feet.
3				
4				EOB at 3 feet backfilled with native
				material
5				
6				



GEOLOGICAL FIELD SERVICE 14 Hubon Street Salem, MA 01970 (781) 662-9800	Client: Woodard & Curra Project:Salem NH FWTP Location: SARL Drive Salem NH	BORING NUMBER:HSB19-2 Sheet No: 1 of: 1

Inspector: MacKay	Date Start: 7/11/19	Elevation:
Driller: MacKay	Date Finish:7/11/19	Water Elev:
Company: GFS	Field Eq: RAE Mini2000	Cal Gas:100 PPM ISO

Drill Method: Hand DrivenGeoProbe Sample: 3' x 2.125" Marco w/acetate liners

Sample			Strata Change	Classification and Remarks
Depth (Feet)	Number	Recovery (Inches		
0				Post hole to 1',
				Organic rich, Brown Fine SAND topsoil.
1	S-2	36		pale yelow brown, well sorted fine
				SAND, race gravel, dry
2				
				0.0 ppm OVM
3				
4	S-3	22"	0-8"	pale yelow brown, well sorted fine
				SAND, race gravel, dry
5			8-24"	Dark brown, fine SAND, wet to
				saturated.
6				0.0 ppm OVM
				lab sample 5-7'
7				Installed PZ19-2



GEOLOGICAL FIELD SERVICE 14 Hubon Street Salem, MA 01970 (781) 662-9800	Client: Woodard & Curra	BORING NUMBER:HSB19-3
	Project:Salem NH FWTP	
	Location: SARL Drive Salem NH	Sheet No: 1 of: 1

Inspector: MacKay	Date Start: 7/11/19	Elevation:
Driller: MacKay	Date Finish:7/11/19	Water Elev:
Company: GFS	Field Eq: RAE Mini2000	Cal Gas:100 PPM ISO

Drill Method: Hand DrivenGeoProbe Sample: 3' x 2.125" Marco w/acetate liners

Sample			Strata Change	Classification and Remarks
Depth (Feet)	Number	Recovery (Inches		
0				Post hole to 1',
				Organic rich, Brown Fine SAND topsoil.
1	S-2	28		Brown, fine SAND, trace organics and
				roots, trace gravel, damp in bottom
2				0.0 ppm OVM
3				
4	S-3	25	0-4"	Brown, fine SAND, trace organics and
				roots, trace gravel, damp in bottom
5			4-25"	Yellow , medium SAND with beds of fine
				orange SAND, saturated.
6				0.0 ppm OVM
				Lab sample 5-7 feet.
7				
8				



GEOLOGICAL FIELD SERVICE 14 Hubon Street Salem, MA 01970 (781) 662-9800	Client: Woodard & Curra	BORING NUMBER:HSB19-4
	Project:Salem NH FWTP	
	Location: SARL Drive Salem NH	Sheet No: 1 of: 1

Inspector: MacKay	Date Start: 7/11/19	Elevation:
Driller: MacKay	Date Finish:7/11/19	Water Elev:
Company: GFS	Field Eq: RAE Mini2000	Cal Gas:100 PPM ISO

Drill Method: Hand DrivenGeoProbe Sample: 3' x 2.125" Marco w/acetate liners

Sample			Strata Change	Classification and Remarks
Depth (Feet)	Number	Recovery (Inches		
0				Post hole to 1',
				Organic rich, Brown Fine SAND topsoil.
1	S-2	36	0-6"	Brown, topsoil.
			6-336"	Light brown, medium SAND
2				
				0.0 ppm OVM.
3				
4	S-3	36		Brown, medium to fine SAND
				trace coarse sand, satruated at 5.5'
5				0.0 ppm OVM.
6				lab sammple 5-7'
7				
8				



GEOLOGICAL FIELD SERVICE 14 Hubon Street Salem, MA 01970 (781) 662-9800	Client: Woodard & Curra	BORING NUMBER:HSB19-5
	Project:Salem NH FWTP	
	Location: SARL Drive Salem NH	Sheet No: 1 of: 1

Inspector: MacKay	Date Start: 7/11/19	Elevation:
Driller: MacKay	Date Finish:7/11/19	Water Elev:
Company: GFS	Field Eq: RAE Mini2000	Cal Gas:100 PPM ISO

Drill Method: Hand DrivenGeoProbe Sample: 3' x 2.125" Marco w/acetate liners

Sample			Strata Change	Classification and Remarks
Depth (Feet)	Number	Recovery (Inches		
0				Post hole to 1',
				Organic rich, Brown Fine SAND topsoil.
1	S-2	18		pale yellow well sorted fine sand
				some roots
2				
3				
4	S-3	24	0-12"	pale yellow well sorted fine sand
				some roots
5			12-24"	Gray, well sorted fine SAND saturated
				at 5.5 feet.
6				lab sample 5-7feet
7				EOB backfilled



GEOLOGICAL FIELD SERVICE 14 Hubon Street Salem, MA 01970 (781) 662-9800	Client: Woodard & Curra	BORING NUMBER:HSB19-6
	Project:Salem NH FWTP	
	Location: SARL Drive Salem NH	Sheet No: 1 of: 1

Inspector: MacKay	Date Start: 7/11/19	Elevation:
Driller: MacKay	Date Finish:7/11/19	Water Elev:
Company: GFS	Field Eq: RAE Mini2000	Cal Gas:100 PPM ISO

Drill Method: Hand DrivenGeoProbe Sample: 3' x 2.125" Marco w/acetate liners

Sample			Strata Change	Classification and Remarks
Depth (Feet)	Number	Recovery (Inches		
0				Post hole to 1',
				Organic rich, Brown Fine SAND topsoil.
1	S-2			Brown fine SAND well sorted and
				saturated.
2				0.0 ppm OVM.
3				
				Lab sample 3-4 feet.
4				
5				
				Installed PZ19-6 ar 5.72' total depth
6				
7				
8				



GEOLOGICAL FIELD SERVICE 14 Hubon Street Salem, MA 01970 (781) 662-9800	Client: Woodard & Curra	BORING NUMBER:HSB19-7
	Project:Salem NH FWTP	
	Location: SARL Drive Salem NH	Sheet No: 1 of: 1

Inspector: MacKay	Date Start: 7/11/19	Elevation:
Driller: MacKay	Date Finish:7/11/19	Water Elev:
Company: GFS	Field Eq: RAE Mini2000	Cal Gas:100 PPM ISO

Drill Method: Hand DrivenGeoProbe Sample: 3' x 2.125" Marco w/acetate liners

Sample			Strata Change	Classification and Remarks
Depth (Feet)	Number	Recovery (Inches		
0				Post hole to 1',
				Organic rich, Brown Fine SAND topsoil.
1		20"	0-3.5-	Organic rich, Brown Fine SAND topsoil.
			3.5-4	Brown, fine SAND,Saturated
2				0.0 ppm OVM.
				Lab sample 3-4'
3				installed PZ19-7
4				
5				
6				
7				
8				



APPENDIX B

Geological Field Services, Inc.
Well Development/~~Sampling Data~~

Project ID: 1870 | Well Number: MW19-01U
Location: SALEM FWTF | Date: 7.25-19
Sampler: RM | Time: 730
Weather: Sunny

Protective Casing Present	(Y)	N	Cement Pad Present	(Y)	N
Protective Casing Locked	(Y)	N	Standing Water	Y	(N)
Cap on Well Riser	(Y)	N	Visible Heaving	Y	(N)
Physical Damage	Y	(N)	Visible Subsidence	Y	(N)

Comment: _____

	Pre	post
Depth to Water:	6.82	
Depth to Product:	—	
Total Depth:	27.55	27.68
Water Column:	20.73	

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 3.39

Development/Purge Device: TUBAH / SURGE BLOCK

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	pH su units	Purge gal.
730	14.99	423	2.8	6.72	0
750	14.90	431	1.76	6.73	10
810	13.94	435	1.75	6.59	20

Color: TAN
Odor: NONE
Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 20
Duration: 40 min

Comment: Develop

Sample Collection Date: — / — / — Time: —

Remarks: _____

Signature of Sampler: _____

Geological Field Services, Inc.
Well Development/Sampling Data

Project ID: 18170 | Well Number: MW19-02U
Location: SALEM FUTP | Date: 7-25-19
Sampler: RM | Time:
Weather: Sun 7

Protective Casing Present	(Y)	N	Cement Pad Present	(Y)	N
Protective Casing Locked	(Y)	N	Standing Water	Y	(N)
Cap on Well Riser	(Y)	N	Visible Heaving	Y	(N)
Physical Damage	Y	(N)	Visible Subsidence	Y	(N)

Comment:

	PRE	POST
Depth to Water:	6.92	
Depth to Product:	—	—
Total Depth:	26.99	27.11
Water Column:	20.07	

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC
Well Volume: 3.2

Development/Purge Device: SURGE BLOCK / BAILER

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	pH su units	Purge gal.
920	15.1	163	5.96	6.39	0
935	14.85	118	4.00	6.52	10
950	14.25	91	4.26	6.26	20

Color: TAN
Odor: NONE
Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 20 gal
Duration: 30 M

Comment:

Sample Collection Date: 7/25/19 Time:

Remarks: Dewatered

Signature of Sampler:

Geological Field Services, Inc.
Well Development/Sampling Data

Project ID: 18170
Location: Staten Island
Sampler: RM
Weather: sunny 75°

Well Number: MW19-02 (S)L
Date: 7/25/19
Time: _____

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: _____

	Riser	Reset
Depth to Water:	7.01	
Depth to Product:		
Total Depth:	54.2	
Water Column:		

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: _____

Development/Purge Device: SURGE BLOCK TUBING

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	pH su units	Purge gal.
830	15.9	121	4.96	7.15	0
845	14.2	118	4.99	7.52	15
~~920~~ 940	14.3	116	3.92	7.16	30

Color: LT TAN
Odor: None
Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: _____
Duration: _____

Comment: Purge only

Sample Collection Date: 7/ / Time: —

Remarks: _____

Signature of Sampler: R

Geological Field Services, Inc.
Well Development/Sampling Data

Project ID: 18178
Location: SAcm
Sampler: NF
Weather: Sun

Well Number: MW19-03
Date: 7/25/19
Time: ~~1547~~ 1547

Protective Casing Present	(Y)	N	Cement Pad Present	(Y)	N
Protective Casing Locked	(Y)	N	Standing Water	Y	(N)
Cap on Well Riser	(Y)	N	Visible Heaving	Y	(N)
Physical Damage	Y	(N)	Visible Subsidence	Y	(N)

Comment:

	Pre	Post
Depth to Water:	4.53	4.92
Depth to Product:	/	/
Total Depth:	16.5	16.5
Water Column:	11.97	-

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: Pre 1.9 | Post

Development/Purge Device: Foam Large and Surge block

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	pH su units	Purge gal.
1555	17.91	63	3.79	3.76	0
1605	13.89	49	3.25	4.42	5
1610	14.98	49	2.46	3.29	10
1615	13.03	50	2.76	3.23	15
1620	14.43	46	2.89	3.15	20

Color: tan
Odor: NO
Sheen: Y (N)
Turbidity: L (M) H VH

Volume Purged: 20
Duration: 25

Comment: Fine sand Low pH

Sample Collection Date: / / Time:

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Well Development/Sampling Data

Project ID: 18170
Location: Chevron
Sampler: MF
Weather: 75

Well Number: MW19-GW
Date: 7/25
Time: 1444

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment:

	Pre	Post
Depth to Water:	4.45	4.62
Depth to Product:	/	/
Total Depth:	26.10	26.10
Water Column:	21.65	

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

	Pre	Post
Well Volume:	3.59	

Development/Purge Device: Tubing Bailer and Surge block

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	pH su units	Purge gal.
1450	16.16	513	5.41	5.09	0
1520	16.89	527	1.49	4.91	15
1533	12.80	528	2.07	4.35	25
1545	12.30	569	2.16	4.14	35

Color: grey
Odor: no
Sheen: Y (N)
Turbidity: L (M) H VH

Volume Purged: 35
Duration: 55

Comment: Very fine sand

Sample Collection Date: / / Time:

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Well Development/Sampling Data

Project ID: 18170
Location: Salem, NY
Sampler: N Fedesco
Weather: Sun

Well Number: MW19-05
Date: 7/25/19
Time: 1053

Protective Casing Present	(Y)	N	Cement Pad Present	(Y)	N
Protective Casing Locked	(Y)	N	Standing Water	Y	(N)
Cap on Well Riser	(Y)	N	Visible Heaving	Y	(N)
Physical Damage	Y	(N)	Visible Subsidence	Y	(N)

Comment:

	Pre	Post
Depth to Water:	6.18	7.4
Depth to Product:		
Total Depth:	33.5	36.1
Water Column:	27.3	

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

	Pre	Post
Well Volume:	4.4	

Development/Purge Device: Tubing Large with surge block

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	pH su units	Purge gal.
1306	21.07	177	3.70	5.90	0
1326	13.50	161	2.71	4.60	15
1341	12.42	141	3.40	4.98	30
1358	11.8	121	2.00	4.11	40

Color: grey
Odor: NO
Sheen: Y (N)
Turbidity: L M (H) VH

Volume Purged: 48
Duration: 52

Comment: very fine sand

Sample Collection Date: / / Time:

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Well Development/Sampling Data

Project ID: 18170
Location: Salem, NH
Sampler: NFederico
Weather: Sun

Well Number: MW19-06
Date: 7/24/19
Time: 1118

Protective Casing Present	(Y)	N	Cement Pad Present	(Y)	N
Protective Casing Locked	(Y)	N	Standing Water	Y	(N)
Cap on Well Riser	(Y)	N	Visible Heaving	Y	(N)
Physical Damage	Y	(N)	Visible Subsidence	Y	(N)

Comment:

	Pre	Post
Depth to Water:	8.73	9.00
Depth to Product:	—	—
Total Depth:	45.9	47.9
Water Column:	37.45	38.9

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

	Pre	Post
Well Volume:	6.14	5.99

Development/Purge Device: Urban large with surge block

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	pH su units	Purge gal.
1135	19.08	856	3.70	6.10	0
1142	14.62	309	4.98	6.03	7
1152	13.76	681	5.73	6.38	20
1242	14.24	668	5.00	6.76	45
1225	14.54	706	2.08	6.26	60

Color: grey
Odor: Rubber, Solvent
Sheen: Y N
Turbidity: L (M) H VH

Volume Purged: 60
Duration: 1hr

Comment: very Fine Sand

Sample Collection Date: / / Time:

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Well Development/Sampling Data

Project ID: 12178
Location: Salem NH
Sampler: N. Fedorico
Weather: Sun

Well Number: MW19-07C
Date: 7/25/19
Time: 930

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: 1" well no surge block.

	~~Pre~~	Post
Depth to Water:	5.75	5.85
Depth to Product:	/	/
Total Depth:	14.95	14.75
Water Column:	9.20	8.90

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

	Pre	Post
Well Volume:	0.37	0.36

Development/Purge Device: tubau large

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	pH su units	Purge gal.
937	16.14	1233	7.48	6.07	0
945	12.18	1266	5.41	5.97	2.5
954	12.08	1215	7.41	5.70	5
1000	11.50	1249	4.01	5.32	7.5

Color: tan
Odor: no
Sheen: Y (N)
Turbidity: L M (H) VH

Volume Purged: 7.5
Duration: 23 min

Comment:

Sample Collection Date: / / Time:

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Well Development/Sampling Data

Project ID: 1870
Location: Salem NH
Sampler: NFederico
Weather: sun

Well Number: MWP-03D
Date: 7/25/19
Time: 1015

Protective Casing Present	(Y)	N	Cement Pad Present	(Y)	N
Protective Casing Locked	(Y)	N	Standing Water	Y	(N)
Cap on Well Riser	(Y)	N	Visible Heaving	Y	(N)
Physical Damage	Y	(N)	Visible Subsidence	Y	(N)

Comment: 1" well no surge block

	Pre	Post
Depth to Water:	6.20	6.21
Depth to Product:	—	—
Total Depth:	14.67	14.80
Water Column:	8.47	8.59

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: Pre 0.34 | Post 0.35

Development/Purge Device: Tubing Surge

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	pH su units	Purge gal.
1017	16.46	225	7.1	5.63	0
1023	15.64	177	4.94	5.66	3
1028	14.93	173	4.98	5.45	5
1033	14.93	193	5.30	5.42	7

Color: Orange
Odor: no
Sheen: Y (N)
Turbidity: L (M) H VH

Volume Purged: 7
Duration: 16

Comment:

Sample Collection Date: / / Time:

Remarks:

Signature of Sampler:

APPENDIX D.7

GROUNDWATER SAMPLING FIELD DOCUMENTATION – AUGUST 2019

GFS **GEOLOGICAL FIELD SERVICES, INC.**

July 9, 2019

Ms. Samantha Olney
Woodard and Curran
40 Shattuck Road Suite 110
Andover, MA 01810

RE: Salem NH FWTF.
August Ground Water Sampling

Dear Ms. Olney:

From July 2 through July 9, 2019, Geological Field Services, Inc. (GFS) conducted environmental field activities at the Former Waste Water Treatment Facility in Salem New Hampshire. GFS developed four newly installed monitoring wells UW19-03U, UA19-04U, UW19-05U and UW19-06U, collected groundwater water samples from 37 ground water wells according to the list of locations provided by Woodard & Curran as the August Groundwater Monitoring Plan. Monitoring well GZ-1U could not be located at this time and was not sampled. All work was conducted according to the scope of work provided by Woodard and Curran. The following is a description of all related field activities.

Monitoring Well Development
On August 2, 2019, GFS developed the newly installed ground monitoring wells UW19-03U, UA19-04U, UW19-05U and UW19-06U. The small diameter monitoring wells were developed with virgin HDPE tubing and a Geotech peristaltic pump. The tubing was surged in the well to assist in removing fine material from the well sand pack. The wells were developed until a minimum of five well volumes were removed, or the turbidity of the wells dropped. Field parameters were recorded at initial and ten-gallon purge intervals and recorded on field sheets copies are attached in Appendix A.

Ground Water Sampling
From August 5 to August 9, 2019, GFS collected ground water samples from the 37-monitoring wells listed on the August Groundwater Monitoring Plan provided by Woodard & Curran. Ground water wells were sampled in accordance with EPA low stress sampling protocol. Prior to purging, the ground water level and total depth of the monitoring well were measured to the nearest 0.01-foot using an electronic water level sensing device. The recorded measurements were used to calculate the volume of standing water in the well. Prior to purging, all wells were examined for the presence of free-phase petroleum product and dense non-aqueous phase liquids (DNAPL) by observing the condition of the water level indicator when it was withdrawn from the well. No free-phase petroleum product or DNAPL was observed. Samples were collected using dedicated HDPE tubing in the wells. If the well did not have dedicated tubing virgin HDPE tubing was installed in the wells with the sample intake set at five-feet off the bottom of the well in the screened interval.

Each monitoring well was then purged using a Geotech peristaltic pump and HDPE tubing. The Geotech pump was started at the lowest setting and well drawdown was measured, the pump speed was increased and the drawdown was measured. Efforts were made to minimize the drawdown on the well. Field parameters were measured using a YSI model 556 meter Turbidity was measured using a Hach 2100Q, Apera TN400 or Lamotte 2020E Turbidity meters. All field equipment was calibrated at the start of the day, field calibration sheets are attached in Appendix B. Field parameters were measured when water started to discharge from the flow through cell and at five-minute intervals thereafter. Wells were purged until the field parameters stabilized at that time the flow through cell was disconnected and the sample water was pumped directly in to the sample containers. Field sampling sheets are attached in Appendix C. During the sampling activities Field Duplicate-1 (DUP-1) GZ-611L for VOC and 1-4 dioxane analysis, Field duplicate 2 (Dup-2) was collected from GZ-902UD for VOC analysis. A matrix spike and matrix spike duplicate (MS/MSD) for VOC and 1-4 Dioxane analysis was collected from GZ-611U. Samples were packed on ice and delivered via courier to Alpha Analytical Laboratories on August 6, August 8 and August 9, a trip blank for VOC analysis was submitted with each of the three sample delivery groups, copies of the chains-of-custody are attached in Appendix D.

Comprehensive Well Gauging

On August 9, 2019, geological field services completed the comprehensive ground water gauging event on forty-three ground water monitoring wells. The wells were all gauged for the depth to water and total depth of the wells. The electronic water sensing device was decontaminated prior to the introduction to any of the wells with a series of Alcanox soap washes and DI water rise cycles. Measurements were made with a Heron Interphase probe to check for the presence of Dense Non-Aqueous Phase Liquid (DNAPL) in all of the wells. No DNAPL was measured in any of the locations. Measurements of all wells are presented on the attached Table.

Please contact me if you have any questions.

Sincerely:
GEOLOGICAL FIELD SERVICES, INC.



Ryan MacKay
Senior Geologist
18193_0819_August GMP_GW

TABLES

Wells for Gauging August 2019
2019 PDI
Former WWTF, Salem, NH

Well Name	Depth to water	Depth to Bottom	depth to DNAPL	Measuring Point
GZ-1U	10.72	17.50	-	TOC
GZ-4U	6.35	18.28	-	TOC
GZ-5R	7.60	16.10	-	TOC
GZ-9U	7.75	18.10	-	TOC
GZ-10UR	8.75	17.40	-	TOC
GZ-403U	8.95	11.40	-	TOC
GZ-404U	7.67	21.98	-	TOC
GZ-405U	6.35	19.40	-	TOC
GZ-406U	7.35	17.75	-	TOC
GZ-407U	6.45	12.85	-	TOC
GZ-408	8.05	13.09	-	TOC
GZ-409	9.23	13.92	-	TOC
GZ-410	8.25	17.67	-	TOC
GZ-411	6.96	13.65	-	TOC
GZ-412	4.92	7.85	-	TPC
GZ-500U	5.61	24.10	-	TOC
GZ-501U	6.13	20.15	-	TOC
GZ-502U	5.90	20.45	-	TOC
GZ-506U	6.00	20.81	-	TOC
GZ-508U	6.83	25.92	-	TOC
GZ-604U	5.40	18.52	-	TOC
GZ-611U	5.92	12.20	-	TOC
GZ-613U	7.70	16.50	-	TOC
GZ-614U	8.10	21.05	-	TOC
GZ-615U	7.75	17.42	-	TOC
GZ-616U	8.45	21.40	-	TOC
GZ-617U	7.53	17.85	-	TOC
GZ-619U	9.95	18.60	-	TOC
GZ-620	6.40	18.30	-	TOC
GZ-802US	6.22	12.10	-	TOC
GZ-901U	6.16	15.70	-	TOC
GZ-902U	6.92	14.99	-	TOC
GZ-903U	2.50	12.42	-	TOC
GZ-904U	7.80	14.35	-	TOC
GZ-905U	6.90	12.35	-	TOC
MW-1S	4.43	12.20	-	TOC
MW-2	8.80	17.40	-	TOC
MW-3	9.48	17.21	-	TOC
MW-4	10.68	35.50	-	TOC
MW-5	10.22	17.25	-	TOC
MW-6	9.43	16.85	-	TOC
MW-7S	11.35	17.70	-	TOC
MW-8	11.35	16.95	-	TOC

APPENDIX A

Geological Field Services, Inc.
Well Development

Project ID: 18170
Location: Salem NH FWTP Sarl Drive
Sampler: Ryan MacKay
Weather: Sunny 75

Well Number: UW19-03U
Date: 8/2/19
Time: 815

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser Y (N)
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: 1"PVC

Start end

Depth to Water: 8.58
Depth to Product:
Total Depth: 17.92 ~~22.30~~ 22.30
Water Column: 9.34

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 0.55

Development/Purge Device: geotech pump

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	pH su units	Purge gal.
815	16.5	179	1.12	7.03	0
900	18.1	185	0.50	6.22	10

Color: Clear
Odor: None
Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 10gal
Duration: 45m

Comment: NTU Oem 1.6

Sample Collection Date: / / Time:

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Well Development

Project ID: 18170
Location: Salem NH FWTP Sarl Drive
Sampler: Ryan MacKay
Weather: Sunny 75

Well Number: UW19-0 4U
Date: 8/2/19
Time: 910

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser Y (N)
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment:

START eng

Depth to Water: 8.91
Depth to Product: —
Total Depth: 22.61 22.65
Water Column: 13.7

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: ~~2.24~~ 0.56

Development/Purge Device: geotech pump

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	pH su units	Purge gal.
910	16.5	302	0.48	5.98	0
950	15.2	341	0.56	6.01	10

Color: clear
Odor: None
Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 10
Duration: 40m

Comment: NTU @ eng 2.9

Sample Collection Date: — / / Time: —

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Well Development

Project ID: 18170
Location: Salem NH FWTP Sarl Drive
Sampler: Ryan MacKay
Weather: Sunny 75

Well Number: UW19-05U
Date: 8/2/19
Time: 1140

Protective Casing Present	(Y)	N	Cement Pad Present	(Y)	N
Protective Casing Locked	(Y)	N	Standing Water	Y	(N)
Cap on Well Riser	Y	(N)	Visible Heaving	Y	(N)
Physical Damage	Y	(N)	Visible Subsidence	Y	(N)

Comment:

	START	END
Depth to Water:	7.61	
Depth to Product:		
Total Depth:	21.82	22.32
Water Column:	14.21	

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 0.58

Development/Purge Device: geotech pump

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	pH su units	Purge gal.
1105	11.10	115	0.40	5.76	0
1200	11.42	128	0.59	6.21	10

Color: Clear
Odor: None
Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 10
Duration: 1.05

Comment: NTU Clear 3.0

Sample Collection Date: / / Time: —

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Well Development

Project ID: 18170
Location: Salem NH FWTP Sarl Drive
Sampler: Ryan MacKay
Weather: Sunny 75

Well Number: UW19-06U
Date: 8/2/19
Time:

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser Y (N)
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment:

	start	end
Depth to Water:	8.25	
Depth to Product:	—	
Total Depth:	21.91	21.96
Water Column:	13.66	

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 0.56

Development/Purge Device: geotech pump

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	pH su units	Purge gal.
1000	13.1	355	3.39	6.33	6
1045	12.5	384	0.56	6.4	10

Color: Clear
Odor: None
Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 10
Duration: 45 min

Comment:

Sample Collection Date: — Time: —

Remarks:

Signature of Sampler: R

APPENDIX B

Daily Calibration Form

DATE 8.5.19	Site Salem FWTP Sarl Drive		Event August Comprensive Sampling		
Water Quality Meter YSI	Type 556		Form Completed by Ryan Macka		
Kit # 1	Sonde # 14549	Display # 14K101546	Form Checked by		

Standard	Lot #	Expiration Date	Standard	Lot #	Expiration Date
pH 4	8GE 424	5/2020	ORP	9GD 822	1/2020
pH 7	76L 372	12/2019	SpC Cond	8GH834	9/2019
pH 10	8GD 929	5/2020	Comments		

pH

Standard	4	7	10	Comments
Pre	3.92	7.2	9.85	
Cal	4	7	10	
Mid day	—	—	—	
End of Day Drift	—	6.99	—	

Dissolved Oxygen

Standard	100%	0 mg/L	Comments
Pre	92.6	—	
Cal	99.8	—	
Mid day	—	—	
End of Day Drift	97.9	—	

Oxidation Reduction Potential

Standard	Temp	Value		Comments (ORP= (1.3(25-T)+231)
Pre	16.1	242		
Cal	—	242		
Mid day	—	—		
End of Day Drift	16.1	242	250	

Specific Conductivity

Standard 1000	1000	Comments
Pre	981	
Cal	1000	
Mid day	—	
End of Day Drift	990	

Turbidity

Standard	Low	Mid	High	V. High	Check	Comments
Value	0.2	20	100	800	20	
Pre	0.2	20	100	800	—	
Cal					19.9	
Mid day	—	—	—		[illegible]	
End of Day Drift					19.8	

Model	APERA TU402
Serial #	T 1043

Standard	Expiration Date
	N/A

Daily Calibration Form

DATE 8-6-14	Site Salem FWTP Sarl Drive	Event August Comprensive Sampling
Water Quality Meter YSI	Type 556	Form Completed by RU
Kit # 7	Sonde #	Display #

Standard	Lot #	Expiration Date
pH 4	SAME AS 8-5-14	
pH 7	↓	
pH 10		

Standard	Lot #	Expiration Date
ORP	SAME AS 8/5/14	
SpC Cond	↓	
Comments		

pH

Standard	4	7	10	Comments
Pre	4.10	6.91	10.03	
Cal	4.00	7.00	10.00	
Mid day	—	—	—	
End of Day Drift	—	7.02	—	

Dissolved Oxygen

Standard	100%	0 mg/L	Comments
Pre	113.6	—	
Cal	99.8	—	
Mid day	—	—	
End of Day Drift	97.9	—	

Oxidation Reduction Potential

Standard	Temp	Value	CAL	Comments (ORP= (1.3(25-T)+231)
Pre	18.28	239.6	238.2	
Cal	18.28	239.6	238.2	
Mid day	\	\	\	
End of Day Drift	18.28	239.6	236.5	

Specific Conductivity

Standard	1000	Comments
Pre	1021	
Cal	1000	
Mid day	—	
End of Day Drift	992	

Turbidity

Standard	Low	Mid	High	V. High	Check	Comments
Value	0.2	20	100	800	20	
Pre	—	—	—	—	—	
Cal	0.2	20	100	800	~~20~~ → 19.9	
Mid day	—	—	—	—	—	
End of Day Drift	—	—	—	—	19.7	

Model	HACH TN400
Serial #	SAME AS 8/5

Standard	Expiration Date
SAME	8/5/14
↓	

Daily Calibration Form

DATE 8-7-19	Site Salem FWTP Sarl Drive		Event August Comprensive Sampling
Water Quality Meter YSI	Type 556		Form Completed by RM
Kit # 1	Sonde #	Display #	Form Checked by

Standard	Lot # SAMCA 8/5	Expiration Date	Standard	Lot # SAMCA 8/5	Expiration Date
pH 4			ORP		
pH 7			SpC Cond		
pH 10			Comments		

pH

Standard	4	7	10	Comments
Pre	3.85	6.92	10.06	
Cal	4.0	7.00	10.00	
Mid day	—	—	—	
End of Day Drift	—	6.95	—	

Dissolved Oxygen

Standard	100%	0 mg/L	Comments
Pre	97.6	—	
Cal	99.9	—	
Mid day	—	—	
End of Day Drift	97.3	—	

Oxidation Reduction Potential

Standard	Temp	Value		Comments (ORP= (1.3(25-T)+231)
Pre	23.0	233.6	221.5	
Cal	23	233.6	233.6	
Mid day	—	—		
End of Day Drift	23.	232.6	230.2	

Specific Conductivity

Standard	1000	Comments
Pre	993	
Cal	1000	
Mid day	—	
End of Day Drift	1001	

Turbidity

Standard	Low	Mid	High	V. High	Check	Comments
Value	0	1	10	—	10	
Pre	—	—	—	—		
Cal	0.1	1	10	—	9.99	
Mid day	—	—	—	—		
End of Day Drift	—	—	—	—	9.96	

Model	LaMotte 2020
Serial #	128
Standard	Expiration Date
PALMS OIC	N/A

Daily Calibration Form

DATE 8-8-19	Site Salem FWTP Sarl Drive		Event August Comprensive Sampling		
Water Quality Meter YSI	Type 556		Form Completed by RMS		
Kit # 1	Sonde #	Display #	Form Checked by		
Standard	Lot #	Expiration Date	Standard	Lot #	Expiration Date
pH 4	STABLE AT 8/6-		ORP	STABLE AT 8/5/19	
pH 7			SpC Cond		
pH 10			Comments		

pH

Standard	4	7	10	Comments
Pre	3.81	6.97	9.96	
Cal	4.0	7.0	10.01	
Mid day	—	—	—	
End of Day Drift	—	6.98	—	

Dissolved Oxygen

Standard	100%	0 mg/L	Comments
Pre	106.2	—	
Cal	99.8	—	
Mid day	—	—	
End of Day Drift	97.6	—	

Oxidation Reduction Potential

Standard	Temp	Value		Comments (ORP= (1.3(25-T)+231)
Pre	2308	233.4	215.5	
Cal	2308	233.4	233.4	
Mid day	—	—	—	
End of Day Drift	23.08	233.4	230.6	

Specific Conductivity

Standard	1000	Comments
Pre	980	
Cal	1000	
Mid day	—	
End of Day Drift	991	

Turbidity

Standard	Low	Mid	High	V. High	Check	Comments
Value	0	1	10			
Pre						
Cal	0	1.01	10.0		10.01	
Mid day		\	\	\	~~10.01~~	
End of Day Drift	—	—	—		9.92	

Model	CAMOTTE 2020we
Serial #	1215
Standard	Expiration Date
PACKAGE	OC

Daily Calibration Form

Kit #2

DATE 8/5/19	Site Salem FWTP Sarl Drive	Event August Comprensive Sampling
Water Quality Meter YSI	Type 556 651 2002 A1	Form Completed by Nick Roesco
Kit # 2	Sonde #	Display #
		Form Checked by

Standard	Lot #	Expiration Date	Standard	Lot #	Expiration Date
pH 4	8GE424	May 20	ORP	9GA444	Oct 19
pH 7	7GJ378	Dec 19	SpC Cond	9GC287	May 20
pH 10	~~8GD929~~ 8GD929	April 20	Comments		

pH

Standard	4	7	10	Comments
Pre	4.05	7.03	9.95	
Cal	4.00	7.00	9.99	
Mid day	/	/	/	
End of Day Drift	3.90	7.00	10.26	Ph 10 high

Dissolved Oxygen

Standard	100%	0 mg/L	Comments
Pre	110.0		
Cal	99.7		
Mid day	/		
End of Day Drift	60.2		Low AM was cold

Oxidation Reduction Potential

Standard	Temp	Value		Comments (ORP= (1.3(25-T)+231)
Pre	16.94	241.4	236.5	
Cal	/	/	241.4	
Mid day	/	/	/	
End of Day Drift	28.63	226.2	220.4	

Specific Conductivity

Standard	1000	Comments
Pre	1110	
Cal	1000	
Mid day	/	
End of Day Drift	970	

Turbidity

Standard	Low	Mid	High	V. High	Check	Comments
Value	10	20	100	800		used 20 100, 800 to call to NIU to verify
Pre	9.00	20.3	99.0	800		
Cal	9.05	20.1	98.7	798		
Mid day	/	/	/	/		
End of Day Drift	9.02	19.8	100	779		

Model	HaCh 2100 Q
Serial #	14030C031613

Standard		Expiration Date
NTU10	A4106	July 5
NTU20	A4100	July 5
NTU100	A4105	July 5
NTU800	A4100A	July 5

Daily Calibration Form Kit 2

DATE 8/6/19	Site Salem FWTP Sarl Drive		Event August Comprensive Sampling		
Water Quality Meter YSI	Type 556		Form Completed by Nick Federico		
Kit # 2	Sonde #	Display #	Form Checked by		

Standard	Lot #	Expiration Date	Standard	Lot #	Expiration Date
pH 4			ORP		
pH 7	Kit #2		SpC Cond	Kit #2	
pH 10			Comments		

pH

Standard	4	7	10	Comments
Pre	3.96	6.94	10.12	
Cal	4.00	7.00	10.02	
Mid day				
End of Day Drift	4.04	6.87	9.91	

Dissolved Oxygen

Standard	100%	0 mg/L	Comments
Pre	93.2		
Cal	99.7		
Mid day			
End of Day Drift	78.4		

Oxidation Reduction Potential

Standard	Temp	Value		Comments (ORP= (1.3(25-T)+231)
Pre	18.92	238.9	240.2	
Cal			238.9	
Mid day				
End of Day Drift	27.82	237.3	219.5	

Specific Conductivity

Standard	1000	Comments
Pre	935	
Cal	1000	
Mid day		
End of Day Drift	997	

Turbidity

Standard	Low	Mid	High	V. High	Check	Comments
Value	10	20	100	800		
Pre	9.76	19.6	102	810		
Cal	9.00	19.9	99.8	794		
Mid day						
End of Day Drift	9.44	19.3	99.1	813		

Model	Hach 2100 Q
Serial #	

Standard	Expiration Date
Kit #2	

Daily Calibration Form

DATE 8/7/19	Site Salem FWTP Sarl Drive		Event August Comprensive Sampling		
Water Quality Meter YSI	Type 556		Form Completed by		
Kit # #2	Sonde #	Display #	Form Checked by		
Standard	Lot #	Expiration Date	Standard	Lot #	Expiration Date
pH 4			ORP		
pH 7	Kit #2		SpC Cond	Kit #2	
pH 10			Comments		

pH

Standard	4	7	10	Comments
Pre	4.01	6.97	1006	
Cal	4.00	7.00	1001	
Mid day				
End of Day Drift	3.92	7.03	10.12	

Dissolved Oxygen

Standard	100%	0 mg/L	Comments
Pre	70.4		
Cal	99.4		
Mid day			
End of Day Drift	70.4		low

Oxidation Reduction Potential

Standard	Temp	Value	read	Comments (ORP= (1.3(25-T)+231)
Pre	22.11	234.8	283.0	
Cal	—	—	234.8	
Mid day				
End of Day Drift	27.64	207.3	229.4	

Specific Conductivity

Standard	1000	Comments
Pre	997	
Cal	1000	
Mid day		
End of Day Drift	939	

Turbidity

Standard	Low	Mid	High	V. High	Check	Comments
Value	10	20	100	800		
Pre	8.93	20.2	99.6	774		
Cal	9.02	19.9	97.6	791		
Mid day	9.00	21.1	98.6	787		
End of Day Drift						

Model	
Serial #	

Standard	Expiration Date
Kit #2	

Daily Calibration Form

DATE 8/8/19	Site Salem FWTP Sarl Drive		Event August Comprensive Sampling		
Water Quality Meter YSI	Type 556		Form Completed by N.C. Fleeger		
Kit # H, I #2	Sonde #	Display #	Form Checked by		

Standard	Lot #	Expiration Date	Standard	Lot #	Expiration Date
pH 4			ORP		
pH 7	H+ #2	H, I #2	SpC Cond	H+ #2	
pH 10			Comments		

pH

Standard	4	7	10	Comments
Pre	3.96	7.06	10.06	
Cal	4.00	7.00	10.01	
Mid day				
End of Day Drift	4.01	6.93	10.05	

Dissolved Oxygen

Standard	100%	0 mg/L	Comments
Pre	130.1		
Cal	98.1		
Mid day			
End of Day Drift	83.9		

Oxidation Reduction Potential

Standard	Temp	Value	read	Comments (ORP= (1.3(25-T)+231)
Pre	23.06	233.5	210.3	
Cal	✓	✓	233.5	
Mid day				
End of Day Drift	27.80	227.3	217.3	

Specific Conductivity

Standard	1000	Comments
Pre	971	
Cal	1000	
Mid day		
End of Day Drift	1093	

Turbidity

Standard	Low	Mid	High	V. High	Check	Comments
Value	10	20	100	800		
Pre	9.01	19.5	102	790		
Cal	9.06	20	103	795		
Mid day	9.20	19.4	98.7	709		
End of Day Drift	↓	↓	↓	↓		

Model	
Serial #	

Standard	Expiration Date
H+	

Daily Calibration Form

DATE 8/9/19	Site Salem FWTP Sarl Drive		Event August Comprensive Sampling		
Water Quality Meter YSI	Type 556		Form Completed by Nicholas Fedorko		
Kit # Kit #2	Sonde #	Display #	Form Checked by		

Standard	Lot #	Expiration Date	Standard	Lot #	Expiration Date
pH 4			ORP		
pH 7	Kit #2		SpC Cond	Kit #2	
pH 10			Comments		

pH

Standard	4	7	10	Comments
Pre	4.01	7.00	9.99	
Cal	4.00	7.00	10.00	
Mid day				
End of Day Drift	4.07	7.13	10.10	Dn 7.10 High

Dissolved Oxygen

Standard	100%	0 mg/L	Comments
Pre	84.9		
Cal	96.7		
Mid day	78.7		DO cond
End of Day Drift	94.1		

Oxidation Reduction Potential

Standard	Temp	Value	meter	Comments (ORP= (1.3(25-T)+231)
Pre	20.79	236.4	233.6	
Cal			236.4	
Mid day				
End of Day Drift	29.18	207.6	214.4	

Specific Conductivity

Standard	1000	Comments
Pre	1054	
Cal	1000	
Mid day		
End of Day Drift		

Turbidity

Standard	Low	Mid	High	V. High	Check	Comments
Value	10	20	100	800		
Pre	9.54	19.5	99.6	802		
Cal	9.12	18.9	99.3	803		
Mid day						
End of Day Drift	10.1	20.0	94.7	782		

Model	
Serial #	

Standard #2	Expiration Date
Kit	

APPENDIX C

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: RM
Weather: Sunny 70

Well Number: GZ-TW1U
Date: 8814
Time: 1255

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser Y (N)
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: 1" PVC
ADDED HDPE 20' + Silica

Depth to Water: 5.68
Depth to Product: —
Total Depth: 14.6
Water Column: 8.92

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 0.36

Development/Purge Device: Geotech

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1255	15.91	136	1.46	15.7	6.32	53.2	0.2	0.25
1300	16.68	134	0.71	10.2	6.06	5.71	0.2	0.5
1305	16.59	134	0.606	9.5	5.97	4.35	0.2	0.75
1310	16.58	133	0.55	9.1	5.96	4.20	0.2	1.0
1315	16.56	134	0.54	9.0	5.95	4.19	0.2	1.25
1320	16.34	135	0.29	2.6	5.97	4.01	0.2	1.5
1325	16.24	135	0.25	0.1	6.00	4.00	0.2	1.75
1330	16.23	136	0.20	-4.6	6.01	3.92	0.2	2.0
1335	16.10	133	0.15	-9.2	6.06	3.40	0.2	2.5
1340	16.10	134	0.16	-16.1	6.13	3.02	0.2	2.75
1345	16.10	135	0.16	-16.2	6.12	3.00	0.2	3.0
1350	16.11	134	0.17	-16.4	6.13	2.90	0.2	3.25

Color: Clear
Odor: None

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 3.25
Duration: 155 min

Sample Collection

Date: 8/18/19
Time: 1351

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: RM
Weather: Sunny 75

Well Number: GZ TW1L
Date: 8-8-19
Time: 1405

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser Y (N)
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: New ADPE 20'

Depth to Water: 6.51
Depth to Product: —
Total Depth: 22.56
Water Column: 16.05

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 0.65

Development/Purge Device: Geotech

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1405	13.50	465	0.20	10.6	5.40	36	0.2	0.25
1410	13.45	468	0.14	34.2	5.19	21.2	0.2	0.5
1415	13.42	469	0.20	34.8	5.24	5.24	0.2	0.75
1420	13.20	475	0.13	20.0	5.28	5.00	0.2	1.0
1425	12.89	473	0.14	15.3	5.33	4.90	0.2	1.25
1430	12.69	470	0.10	10.3	5.36	2.96	0.2	1.5
1435	12.70	463	0.10	10.2	5.31	2.90	0.2	1.75
1440	12.71	464	0.09	10.6	5.30	2.16	0.2	2.0
1445	12.70	466	0.10	10.5	5.31	2.05	0.2	2.25

Color: Clear
Odor: Solvent

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 2.25
Duration: 40m

Sample Collection

Date: 8/8/19
Time: 1446

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: RM
Weather: Sunny 75

Well Number: 62-1U
Date: 8.5.15
Time: 830

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment:

Depth to Water: 10.82
Depth to Product: —
Total Depth: 17.51
Water Column: 6.69

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 1.09

Development/Purge Device: Geotech

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
835	13.16	305	6.11	99.6	6.00	120	0.2	0.25
840	14.21	28	6.41	98.2	6.21	14.6	0.7	0.5
845	14.85	115	6.42	96.1	5.51	10.3	0.2	1.0
850	14.85	126	6.89	97.2	5.43	6.7	0.2	1.5
855	14.36	137	6.55	103.4	5.39	6.0	0.2	2.0
900	14.35	138	6.53	103.2	5.37	4.2	0.2	2.5
905	14.36	137	6.50	103.1	5.36	4.1	0.2	3.0

Color: clear
Odor: None

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 3.0
Duration: 30 min

Sample Collection

Date: 8/5/15
Time: 906

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Well Number: GZ-3A
Location: SARL Drive Salem NH
Date: ~~8-6-19~~ 8-8-19
Sampler: RM
Time: ~~820~~ 805
Weather: Sunny 70

Protective Casing Present	(Y)	N	Cement Pad Present	(Y)	N
Protective Casing Locked	Y	(N)	Standing Water	Y	(N)
Cap on Well Riser	Y	(N)	Visible Heaving	Y	(N)
Physical Damage	Y	(N)	Visible Subsidence	Y	(N)

Comment: 1.5" PVC Ded Tubing

Depth to Water: 7.77
Depth to Product: —
Total Depth: 19.82
Water Column: 12.05

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC
Well Volume: 1.11

Development/Purge Device: Geotech w Ded Tubing

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.	
~~845~~ ~~840~~	14.16	149	4.41	65.2	5.73	361	0.2	0.25	← orang floc in purge
Cell blocked → ~~850~~ 815	15.99	141	1.62	65.8	6.12	599	0.2	0.5	
820	14.57	144	1.28	84.4	6.16	31.6	0.2	0.75	
825	14.69	142	1.09	85.3	6.17	26.8	0.2	1.0	
830	14.79	142	1.13	82.5	6.21	10.5	0.2	1.5	
835	14.76	142	1.06	84.2	6.15	8.6	0.2	2.0	
840	14.75	143	1.081	84.6	6.13	5.9	0.2	2.25	
845	14.85	144	1.00	79.6	6.20	4.8	0.2	2.5	
850	14.85	143	0.98	79.5	6.21	4.3	0.2	2.75	
855	14.85	143	0.99	79.5	6.20	2.63	0.2	3.0	

Color: CLEAR
Odor: NONE
Sheen: Y (N)
Turbidity: (L) M H VH
Volume Purged: 3.0
Duration: 45min

Sample Collection Date: 8/6/19 Time: 856

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Well Number: GZ3L
Location: SARL Drive Salem NH
Date: 8-8-19
Sampler: RM
Time: 920
Weather: OVCAST 70

Protective Casing Present	(Y)	N	Cement Pad Present	(Y)	N
Protective Casing Locked	Y	(N)	Standing Water	Y	(N)
Cap on Well Riser	Y	(N)	Visible Heaving	Y	(N)
Physical Damage	Y	(N)	Visible Subsidence	Y	(N)

Comment:

Depth to Water: 8.28
Depth to Product:
Total Depth: 51.25
Water Column: 42.97

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC
Well Volume: 7.04

Development/Purge Device: Geolm

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
930	14.43	1440	0.90	-37.3	6.52	56.1	0.2	0.21
935	15.11	1045	0.35	-67.6	6.55	30.6	0.2	0.50
945	15.16	997	0.33	-71.6	6.56	29.2	0.2	1.0
950	14.90	981	0.22	-71.8	6.53	21.6	0.2	1.25
955	15.07	985	0.28	-74.1	6.58	19.2	0.2	1.5
1000	15.15	979	0.30	-74.6	6.59	15.6	0.2	1.75
1005	15.20	972	0.35	-76.2	6.58	14.9	0.2	2.0
1010	15.21	978	0.36	-73.9	6.55	9.8	0.2	2.25
1015	15.12	966	0.38	-74.1	6.55	4.0	0.2	3.0
1030	15.12	965	0.31	-74.2	6.56	3.6	0.2	3.5
1035	15.15	966	0.30	-74.4	6.56	2.1	0.2	3.75

Color: Clear
Odor: None
Sheen: Y (N)
Turbidity: (L) M H VH
Volume Purged: 3.75
Duration: 1:05

Sample Collection Date: 8/8/19 Time: 1036

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: RJM
Weather: Sunny 70-75

Well Number: GZ-40
Date: 05-14
Time: 1320

Protective Casing Present (Y) N
Protective Casing Locked Y (N)
Cap on Well Riser (X) (N)
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: INSTALLED 20' 1/4 6" Silica 1.5" PVC

Depth to Water: 7.04
Depth to Product:
Total Depth: 18.4
Water Column: 11.36

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 1.04

Development/Purge Device: Geotech

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1320	12.49	164	3.67	-19.8	6.34	138	0.2	0.25
1325	12.51	153	1.2	-19.1	6.28	106	0.2	0.5
1330	12.56	150	1.06	-19.8	6.21	37	0.2	0.75
1335	12.58	147	1.0	-20.2	6.00	43	0.2	1.0
1340	12.58	148	0.89	-19.6	5.99	22.1	0.2	1.25
1345	12.54	146	0.83	-19.1	5.97	19.0	0.2	1.5
1350	12.60	145	0.81	-20.5	5.96	15	0.2	2.0
1355	12.61	146	0.80	-21.6	5.94	11.1	0.2	2.25
1400	12.60	146	0.79	-21.5	5.96	9.80	0.2	2.75
1405	12.61	146	0.78	-21.6	5.96	9.00	0.2	3.0

Color: Clear
Odor: None

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 3.0
Duration: 45min

Sample Collection

Date: 05/17/17
Time: 1406

Remarks: VOC only

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: RM
Weather: Sunny 75

Well Number: 67-4L
Date: 8-5-19
Time: 14:10

Protective Casing Present (Y) N
Protective Casing Locked Y (N)
Cap on Well Riser Y (N)
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: Removed tubing Installed 50' 1/4 6"silica 1.5"PVC

Depth to Water: 6.97
Depth to Product: —
Total Depth: 47.46
Water Column: 40.49

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 6.664

Development/Purge Device: Geotech

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1410	11.45	1564	1.57	-27.6	~~5.87~~	56	0.2	0.25
1415	11.66	1674	1.02	-38.1	5.92	33	0.2	0.5
1420	11.62	1678	1.00	-50.2	6.00	24.2	0.2	0.75
1425	11.65	1673	0.89	-52.2	6.05	20.1	0.2	1.0
1430	11.44	1681	0.52	-57.6	6.06	10.6	0.2	1.25
1435	11.45	1680	0.53	-59.2	6.06	9.8	0.2	~~2.0~~ 1.5
1440	11.40	1682	0.65	-61.1	6.07	~~4.6~~ 4.6	0.2	1.75
1445	11.41	1683	0.66	-61.3	6.05	4.0	0.2	2.0

Color: Clear
Odor: None

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 2.6
Duration: 35

Sample Collection

Date: 8/5/

Time: 1446

Remarks: VOC only

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: RM
Weather: Sunny 75

Well Number: GZ-5R
Date: 8-5-19
Time: 1120

Protective Casing Present (Y) N
Protective Casing Locked ~~(Y)~~ (N)
Cap on Well Riser ~~(Y)~~ (N)
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: VOC only

Depth to Water: ~~7.89~~ 6.99
Depth to Product: –
Total Depth: 16.25
Water Column: 9.26

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 0.85

Development/Purge Device: Geotech

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1120	14.6	101	3.00	86.2	~~6.01~~ 4.61	106	0.2	0.25
1125	14.5	100	3.21	93.5	~~4.71~~ 4.41	92	0.2	0.75
1130	14.67	95	3.26	82.1	5.01	63	0.2	1.00
1135	14.70	94	3.25	81.2	5.10	42	0.2	1.25
1140	14.7	94	3.01	80.6	5.12	10.	0.2	1.5
1145	14.67	93	1.68	82.9	5.18	5.2	0.2	1.75
1150	14.66	94	1.67	83.1	5.19	4.1	0.2	2.00
1155	14.64	94	1.71	83.4	5.15	4.0	0.2	2.25
1200	14.69	94	1.70	82.6	5.17	4.0	0.2	2.5

Color: Clear
Odor: None

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 2.5 g
Duration: 40 min

Sample Collection

Date: 8/5/19
Time: 1201

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: RM
Weather: Sunny 75

Well Number: GZ-6
Date: 8-5-19
Time: 935

Protective Casing Present (Y) N
Protective Casing Locked Y (N)
Cap on Well Riser Y (N)
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: VOC only

Depth to Water: 7.25
Depth to Product: —
Total Depth: NM
Water Column: \

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: \

Development/Purge Device: Geotch

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
935	14.12	351	3.99	13.6	5.21	33	0.2	0.25
940	12.13	352	3.41	13.5	5.16	15	0.2	0.5
945	12.15	368	0.92	12.6	5.10	10.3	0.2	0.75
950	11.20	392	0.50	7.1	5.10	8.1	0.2	1.0
955	11.70	400	0.44	7.3	5.09	4.9	0.2	1.25
1000	11.67	450	0.31	6.2	5.10	4.6	0.2	1.75
1005	11.67	451	0.32	6.3	5.09	3.9	0.2	2.0
1010	11.67	455	0.31	6.0	5.08	3.9	0.2	2.25

Color: Clear
Odor: Septic

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 2.25
Duration: 35 min

Sample Collection

Date: 8 / 5 / 19
Time: 1011

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: NFederico
Weather: Sun 75

Well Number: OZ203L
Date: 8/5/19
Time: 1015

Protective Casing Present	(Y)	N	Cement Pad Present	(Y)	N
Protective Casing Locked	(Y)	N	Standing Water	Y	(N)
Cap on Well Riser	(Y)	N	Visible Heaving	Y	(N)
Physical Damage	Y	(N)	Visible Subsidence	Y	(N)

Comment: removed existing tubing, installed virgin HDPE tubing ~55' 8" silica cone

Depth to Water: 9.01
Depth to Product: ✓
Total Depth: 55.4
Water Column: 46.39

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 7.6

Development/Purge Device: Geotech Pump

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1025	12.13	492	10	176.8	5.72	+800	0.5	0
1040	11.06	747	1.50	214.8	4.97	47	1.1	2
1050	11.23	865	1.24	226.7	4.91	23.5	1.1	2.5
1055	11.21	891	1.17	230.3	4.90	18.6	1.1	3
1100	11.43	910	1.23	229.8	4.94	18.0	1.1	3.5
1105	11.49	922	1.16	229.8	4.96	14.8	1.1	4
1110	11.51	924	0.92	232.9	4.93	12.5	1.1	4.5
1115	11.50	920	0.71	233.1	4.95	12.3	1.1	5
1120	11.46	931	1.04	234.0	4.92	8.32	1.1	5.25
1125	11.47	932	0.84	234.3	4.93	7.77	1.1	5.5
1130	11.52	933	0.69	233.8	4.92	7.24	1.1	5.75
1135	11.56	937	0.69	232.1	4.93	6.86	1.1	6.0
1140	11.59	940	1.00	232	4.94	5.44	1.1	6.25

Color: Clear
Odor: NO

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 6.25
Duration: 1:15

Sample Collection

Date: 8/5/19
Time: 1145

Remarks:

Signature of Sampler: NF

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: RM
Weather: Sunny 70

Well Number: GZ 401 L
Date: 8-5-19
Time: 1220

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: pulled 1/2x 5/8 HDPE 2"PVC
INSTALLED 1/4 HDPE & SILICONE FOR LOW FLOW

Depth to Water: 9.05
Depth to Product: —
Total Depth: 57.75
Water Column: 48.7

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: ~~7.8~~ 7.9

Development/Purge Device: Geotech

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1230	14.70	1213	10.6	53.6	5.43	261	0.2	0.25
1235	12.78	2401	1.01	39.6	6.00	65.3	0.2	0.75
1240	12.75	2462	0.52	38.7	6.01	65.4	0.2	1.0
1245	12.65	2454	0.41	39.2	6.09	38.1	0.2	1.5
1250	12.62	2455	0.38	40.7	6.10	26.2	0.2	2.0
1255	12.71	2440	0.38	41.9	6.11	20.2	0.2	2.5
1300	12.72	2438	0.38	41.8	6.11	20.0	0.2	3.75
1305	12.71	2435	0.40	43.2	6.12	20.1	0.2	3.0
1310	12.73	2433	0.41	43.6	6.11	20.0	0.2	3.25

Slowed pump →

Color: Clear
Odor: None

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 3.25
Duration: 40min

Sample Collection

Date: 8/5/19
Time: 1311

Remarks: TURBIDITY STABLE but elevated Sampled All other PARAM Stable.

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: RM
Weather: Sunny 75

Well Number: GZ-407U
Date: 8-7-19
Time:

Protective Casing Present (Y) N
Protective Casing Locked Y (N)
Cap on Well Riser Y (N)
Physical Damage (Y) N

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: 1" PVC 20' HDPE PVC Above well casing
PAD CRACKED

Depth to Water: 8.01
Depth to Product: —
Total Depth: 18.22
Water Column: 10.21

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 1.67

Development/Purge Device: Geo

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1300	14.18	366	3.21	-19.6	6.50	26.5	0.2	0.25
1405	14.16	365	3.10	-20.5	6.45	15.1	0.2	0.5
1415	14.15	375	1.01	10.6	6.11	10.6	0.2	0.75
~~1450~~ 1490	13.19	373	0.26	19.5	6.12	~~9.0~~	0.2	2.00
1445	13.19	372	0.25	19.8	6.19	3.1	0.2	2.25
1450	13.18	375	0.25	19.6	6.18	2.0	0.2	2.50
~~1455~~								
~~1500~~								

Color: Clear
Odor: None

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 2.5
Duration: 50 min

Sample Collection

Date: 8/7/

Time: 1451

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: RM
Weather: Overcast

Well Number: GZ-407L
Date: 8-7-19
Time: 1310

Protective Casing Present (Y) N
Protective Casing Locked Y (N)
Cap on Well Riser Y (N)
Physical Damage (Y) N

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: 58' HDPE Missing CAP 407L EXTENDS ABOVE CASING ~ PAD CRACKED

Depth to Water: 7.99
Depth to Product: —
Total Depth: 56.40
Water Column: 48.41

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 7.9

Development/Purge Device: Geofex

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1310	13.73	428	2.16	-80.6	7.22	19.6	0.2	0.25
1315	13.63	500	1.13	-80.7	7.15	10.6	0.2	0.5
1320	13.62	531	0.75	-72.1	7.00	8.3	0.2	0.75
1325	13.61	569	0.72	-63.5	6.95	7.2	0.2	1.0
1330	13.60	599	0.58	-56.3	6.52	7.0	0.2	1.25
1335	13.19	619	0.59	-29.9	6.38	5.9	0.2	1.5
1340	13.16	620	0.56	-30.2	6.40	4.0	0.2	1.75
1345	13.18	621	0.57	-28.6	6.39	3.0	0.2	2.0
1350	13.16	620	0.56	-28.5	6.38	2.6	0.2	2.25

Color: Clear
Odor: None

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 2.0
Duration: 40m

Sample Collection

Date: 8/7/19
Time: 1351

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Well Number: G7.410
Location: SARL Drive Salem NH
Date: 8-6-19
Sampler: RM
Time: 1215
Weather: Sunny 70-75

Protective Casing Present (Y) N
Cement Pad Present (Y) N
Protective Casing Locked (Y) N
Standing Water Y (N)
Cap on Well Riser (Y) N
Visible Heaving Y (N)
Physical Damage Y (N)
Visible Subsidence Y (N)

Comment: VOC ONLY Removed OLD BAILER
Installed 2" new YSI Pump

Depth to Water: 8.61
Type of Protective Casing: RB (SU)
Depth to Product: —
Measuring Point: (TOC) TPC
Total Depth: 17.69
Water Column: 9.08
Well Volume: 1.49

Development/Purge Device: Geotech

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1220	12.90	400	1.56	53.1	6.30	36.2	0.2	0.25
1225	12.85	421	0.50	54.2	6.28	30.9	0.2	0.5
1230	12.46	423	0.60	56.1	6.28	20.6	0.2	0.75
1235	12.43	424	0.68	58.2	6.29	20.9	0.2	1.0
1240	12.40	424	0.69	58.9	6.29	18.5	0.2	1.25
1245	11.90	410	0.68	58.9	6.30	10.6	0.2	1.5
1250	11.86	399	0.65	58.6	6.35	8.3	0.2	1.75
1255	11.42	394	6.71	58.2	6.36	7.9	0.2	2.0
1300	11.46	395	0.80	58.1	6.39	6.2	0.2	2.25
1310	11.50	400	0.80	57.6	6.39	6.6	0.2	2.5
1315	11.61	410	0.81	56.1	6.38	4.1	0.2	2.75
1320	11.60	414	0.80	56.2	6.39	4.0	0.2	3.0
1325	11.60	415	0.79	56.0	6.40	3.9	0.2	3.25

Color: Clear
Sheen: Y (N)
Volume Purged: 3.25 g
Odor: None
Turbidity: (L) M H VH
Duration: ~~50~~ 1hr

Sample Collection
Date: 8/6/19
Time: 1316

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: N.Feles.co
Weather: Sunny 70°

Well Number: GZ 501U
Date: 8/9/19
Time: 815

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: Installed ~ 23' HDPE Lining 8" Silica Slurry

Depth to Water: 6.13
Depth to Product: /
Total Depth: 20.15
Water Column: 14.02

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 2.29

Development/Purge Device: Geotech Pump

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
848	14.98	2413	8.9	96.7	5.84	800+	2.3	0.5
852	11.33	436	4.73	137.9	4.75	188	1.5	1.5
900	11.26	426	2.95	144.0	4.85	347	1.3	2.5
920	11.45	371	2.82	135.4	5.02	119	1.5	3
925	10.92	376	2.21	147.9	4.87	79.2	2.2	4
930	10.72	402	1.89	152.4	4.84	342	2.1	5
950	12.14	398	1.23	135.1	5.15	292	2.0	6
955	11.93	393	1.24	134.8	5.16	363	2.0	6.5
1000	12.05	394	1.08	136.5	5.15	412	2.0	6.75
1005	11.93	394	1.01	136.4	5.15	350	2.0	7
1010	12.06	391	1.00	137.5	5.14	306	2.0	7.25
1015	12.00	390	0.98	136.8	5.15	248	2.0	7.5
1020	12.01	389	0.97	137.2	5.15	318	2.0	7.75

Color: tan
Odor: NO

Sheen: Y (N)
Turbidity: L M (H) VH

Volume Purged: 7.75
Duration: 1hr 40min

Sample Collection

Date: 8/9/19
Time: 1035

Remarks: Turbidity High, not stable. All other Parameters stable

Signature of Sampler: N.F

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 12170 Salem FWTP
Location: Sam Dr. Salem NH
Sampler: NF, ES, CO
Weather: Clouds 82

Well Number: GZ 508D
Date: 8/7/19
Time: 1340

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: Installed 30' HDPE tubing 8" silicone

Depth to Water: 7.55
Depth to Product: ~~20~~ /
Total Depth: 25.6
Water Column: ~~20~~ 18.05

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 2.96

Development/Purge Device: Geotech Pump

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1405	13.28	88	4.53	200.4	5.53	170	0.20	0
1410	12.05	101	2.08	295.7	3.43	129	0.25	0.75
1415	12.33	107	1.74	286.2	3.75	52.9	0.20	1.0
1420	12.70	114	1.60	231.2	4.56	64.2	0.20	1.5
1425	12.33	118	1.51	229.1	4.72	43.2	0.2	1.75
1430	11.89	125	1.29	213.3	4.65	27.2	0.2	2.25
1440	12.22	127	1.37	207.1	4.70	29.2	0.2	2.75
1445	12.26	129	1.26	192.4	4.95	27.	0.2	3.0

Color: Clear
Odor: no

Sheen: Y (N)
Turbidity: L (M) H VH

Volume Purged: 3
Duration: 45 min.

Sample Collection

Date: 8/7/19 Time: 1450

Remarks: Stable, NTU stabilizing

Signature of Sampler: NF

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: NF/ESiCO
Weather: clouds 82°F

Well Number: GZ-600V
Date: 8/6/19
Time: 1420

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: Installed HDPE tubing 25' 8" silicon 1.5" pvc

Depth to Water: 7.70
Depth to Product:
Total Depth: 23.80
Water Column: [illegible]

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 1.43

Development/Purge Device: Geotech pump

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1420	13.40	598	4.72	86.7	5.74	28.7	0.43	(1)
1426	13.03	595	2.26	50.9	5.16	15.7	0.45	0.5
1430	12.80	590	2.12	45.2	5.24	15.4	0.45	0.75
1435	13.38	576	1.42	32.6	5.47	11.5	0.40	1.0
1440	13.77	564	1.41	26.3	5.56	8.19	0.40	1.25
1446	13.99	561	1.38	20.4	5.63	5.74	0.40	1.5
1450	14.00	562	1.30	17.0	5.68	4.92	0.40	1.75

Color: rubber, solvent, yuck
Odor: pale yellow green

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 1.75
Duration: 30

Sample Collection Date: 8/6/19 Time: 1455

Remarks:

Signature of Sampler: NF

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 FWTP Salem Well Number: GZ607U
Location: Sam Dr. Salem NH Date: ~~8/9/19~~ 8/8/19
Sampler: Federico Time: 1010
Weather: Clouds 72°

Protective Casing Present	(Y)	N	Cement Pad Present	(Y)	N
Protective Casing Locked	(Y)	N	Standing Water	Y	(N)
Cap on Well Riser	(Y)	N	Visible Heaving	Y	(N)
Physical Damage	Y	(N)	Visible Subsidence	Y	(N)

Comment: 1.5" pve

Depth to Water: 6.70 Type of Protective Casing: RB (SU)
Depth to Product: / Measuring Point: (TOC) TPC
Total Depth: 23.95
Water Column: 17.19 Well Volume: 1.58

Development/Purge Device: Geotech Pump

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1015	15.10	83	2.87	248.6	4.71	14.8	0.10	0
1025	15.30	79	1.83	310.1	4.08	0.29	0.10	0.5
1030	15.80	78	1.60	310.9	4.31	10.4	0.10	0.75
1035	16.46	78	1.50	309.4	4.40	6.61	0.10	1.25
1040	16.77	78	1.49	308.9	4.42	5.23	0.10	1.5
1045	16.88	79	1.49	309.9	4.44	2.54	0.10	2
1050	16.84	79	1.45	311.1	4.44	2.58	0.10	2.25
1055	16.62	79	1.44	313.1	4.41	1.64	0.10	2.5

Color: clear Sheen: Y (N) Volume Purged: 2.5
Odor: NO Turbidity: (L) M H VH Duration: ~~35~~ 40

Sample Collection Date: ~~8/9/19~~ 8/8/19 Time: 1100

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: NF, Odessa
Weather: Sun 74°

Well Number: GZ, Cell U
Date: 8/6/14
Time: 1100

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser Y (N)
Physical Damage (Y) N

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: Concrete pad exposed, Protective casing loose
Installed ~16' HDPE tubing 8" S.U. cone 1.5" well

Depth to Water: 6.74
Depth to Product:
Total Depth: 11.8
Water Column: 5.06

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 0.46 gal

Development/Purge Device: Geotech Pump

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1117	14.71	353	4.11	136.2	5.28	800+	2.0	0
1127	14.39	356	1.32	193.2	4.32	118	2.2	0.5
1137	14.34	354	1.0	175.7	4.80	26.1	2.0	1.0
1147	14.48	355	0.84	180.0	5.04	14.9	2.0	1.5
1152	14.43	355	0.78	182.7	5.09	9.17	2.0	1.75
1157	14.39	356	0.75	190.8	5.11	6.88	2.0	2
1202	14.72	355	0.73	188.9	5.11	5.02	2.0	2.25
1207	14.80	356	0.72	189.7	5.12	5.73	2.0	2.5
1212	14.81	357	0.70	191.0	5.13	4.06	2.0	2.75

Color: yellow green
Odor: NO

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 2.75
Duration: 55

Sample Collection

Date: 8/6/14 Time: 1215

Remarks:

Signature of Sampler: NF

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: NFeller.co
Weather: Sun, clouds 72°

Well Number: SZ607L
Date: ~~8/9/19~~ 8/8/19
Time: 800

Protective Casing Present	(Y)	N	Cement Pad Present	(Y)	N
Protective Casing Locked	(Y)	N	Standing Water	Y	(N)
Cap on Well Riser	(Y)	N	Visible Heaving	Y	(N)
Physical Damage	Y	(N)	Visible Subsidence	Y	(N)

Comment:

Depth to Water: 9.38
Depth to Product: /
Total Depth: 47.8
Water Column: 38.42

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 6.3

Development/Purge Device: Geotech Pump

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
815	12.87	134	2.88	182.1	4.99	97.0	0.25	0
825	12.33	127	1.60	238.4	4.25	106	0.25	1.0
830	12.40	129	1.41	215.1	4.59	51.0	0.25	1.5
840	12.37	132	1.38	204.4	4.77	52.0	0.25	2
845	12.57	133	1.91	192.6	4.85	40.9	0.20	2.25
850	13.07	136	1.81	181.6	5.07	27.9	0.20	2.5
855	13.57	137	1.12	169.2	5.22	31.4	0.15	2.75
900	13.63	140	1.13	167.4	5.23	28.4	0.15	3
915	13.80	147	1.09	163.3	5.26	29.9	0.15	3.5
925	14.19	155	1.08	153.2	5.36	17.7	0.15	4
930	14.17	156	1.08	151.5	5.35	16.2	0.15	4.25
935	14.37	157	1.10	146.1	5.40	19.7	0.15	4.5
940	14.12	162	1.09	147.0	5.39	21.2	0.15	4.75

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Color: Clear
Odor: no

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 4.75
Duration: 1:15

Sample Collection

Date: ~~8/9/19~~ 8/8/19
Time: 945

Remarks: Parameters stable, Purged slow as possible | NTU stable, rec between 16.2-25

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: NFebesio
Weather: Sun 70°

Well Number: GZ 611L
Date: 8/6/19
Time: 940

Protective Casing Present	(Y)	N	Cement Pad Present	(Y)	N
Protective Casing Locked	Y	(N)	Standing Water	Y	(N)
Cap on Well Riser	Y	(N)	Visible Heaving	Y	(N)
Physical Damage	Y	(N)	Visible Subsidence	Y	(N)

Comment: installed HDPE ~35' 8" silica sand

Depth to Water: 7.92
Depth to Product: /
Total Depth: 30.33
Water Column: 22.41

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 3.67

Development/Purge Device: Geotech Pump

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
956	12.06	1173	6.59	24.3	6.81	690	0.05	0
1006	11.64	1179	1.92	47.5	5.71	161	0.10	0.75
1016	11.51	1195	1.416	35.8	5.86	172	0.10	1.25
1021	12.12	1199	1.28	36.6	5.91	54.8	0.10	1.5
1026	12.22	1211	1.27	32.6	6.02	34.5	0.1	2
1031	12.28	1211	1.15	36.4	6.01	37.6	0.1	2.5
1036	12.18	1214	1.10	38.0	6.01	27.4	0.1	3
1041	12.72	1216	1.05	40.1	6.03	21.7	0.1	3.5
1046	13.05	1222	1.02	40.0	6.08	24.3	0.1	4

Color: Clear
Odor: no

Sheen: Y (N)
Turbidity: L (M) H VH

Volume Purged: 4
Duration: 50

Sample Collection

Date: 8/6/19
Time: 1058

Remarks: Parameters stable

Signature of Sampler: N

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: MACKAY
Weather: P.Sunny TO humid

Well Number: GZ-612U
Date: 8-8-19
Time:

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser Y (N)
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: ~~Collect VOC~~ Collect ~~oxidat~~ OXIDANT Demand Deliver to SAMPLE@WFC

Depth to Water: 7.79
Depth to Product: —
Total Depth: NM
Water Column: —

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume:

Development/Purge Device: Geotech Dedicated

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1125	15.34	608	1.98	3.8	6.35	53.2	0.2	0.25
1130	14.70	576	0.70	-4.1	6.38	4.59	0.2	0.5
1135	13.38	557	0.38	-8.6	6.25	5.01	0.2	1.0
1140	14.91	559	0.24	-11.1	6.24	5.00	0.2	1.5
1145	14.90	557	0.24	-11.4	6.24	3.2	0.2	2.0
1150	15.16	555	0.18	-12.0	6.25	3.0	0.2	2.5
1155	15.17	550	0.17	-12.7	6.26	3.0	0.2	2.75
1200	14.93	545	0.12	-11.3	6.24	~~3.0~~ 2.9	0.2	3.0
1205	14.99	543	0.14	-11.2	6.25	3.0	0.2	3.5
1210	14.99	542	0.15	-11.6	6.25	3.8	0.2	4.0

Color: Clear
Odor: None

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 4.0
Duration: 45 min

Sample Collection Date: 8/8/19 Time: 1212

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: NFeeley, CD
Weather: Sun 78°

Well Number: FZ GW(s)
Date: 8/9/19
Time: 1035

Protective Casing Present	(Y)	N	Cement Pad Present	(Y)	N
Protective Casing Locked	(Y)	N	Standing Water	Y	(N)
Cap on Well Riser	(Y)	N	Visible Heaving	Y	(N)
Physical Damage	Y	(N)	Visible Subsidence	Y	(N)

Comment: Installed HDPE formed 8" Silicon 23'

Depth to Water: 8.45
Depth to Product: /
Total Depth: 21.40
Water Column: 19.95

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 3.0

Development/Purge Device: Geotech pump

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1040	14.41	204	6.40	124.1	5.93	over	0.30	0
1045	14.77	194	2.09	143.5	5.68	193	0.30	1.0
1100	14.83	184	1.67	149.8	5.66	100	0.30	2
1110	15.21	187	1.52	150.1	5.74	33.7	0.25	2.5
1115	15.39	187	1.45	164.2	5.69	27.5	0.25	3
1120	15.56	189	1.38	164.1	5.74	17.8	0.25	3.25
1125	15.56	191	1.32	163.8	5.75	12.7	0.25	3.5
1130	15.70	192	1.31	165.2	5.74	12.9	0.25	3.75
1135	16.04	192	1.28	162.7	5.78	10.6	0.25	4
1140	16.08	192	1.22	161.1	5.79	5.92	0.25	4.25
1145	15.79	192	1.26	164.4	5.74	7.63	0.25	4.5
1150	15.83	192	1.27	162.9	5.74	5.47	0.25	4.75
1155	15.94	192	1.25	162.3	5.74	4.61	0.25	5

Color: Clear
Odor: NO

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 5
Duration: 1:15

Sample Collection

Date: 8/9/19
Time: 1200

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: NFederico
Weather: Clear 91°F

Well Number: GZ-615D
Date: 8/6/19
Time: 1254

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: Installed ~20' HDPE tubing 8" Silicon

Depth to Water: 8.15
Depth to Product: /
Total Depth: 17.13
Water Column: 8.98

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 1.47

Development/Purge Device: Geotech Pump

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1305	14.89	95	2.66	158.7	5.77	46.9	0.2	0
1310	14.83	95	1.53	242.3	4.42	29.3	0.5	0.75
1315	15.10	92	1.37	226.4	4.69	25.3	0.7	1.25
1320	15.33	92	1.25	206.3	5.09	21.8	0.8	1.5
1325	15.69	91	1.18	193.6	5.35	19.5	0.7	1.7
1335	15.98	90	1.04	198.0	5.32	15.4	0.7	1.85
1345	15.48	89	0.97	201.9	5.26	9.74	0.6	2
1350	15.49	90	0.91	200.3	5.32	10.3	0.6	2.2
1355	15.38	90	0.90	200.0	5.31	7.91	0.6	2.5
1400	15.31	90	0.89	200.7	5.31	7.92	0.6	2.7

Color: Clear
Odor: no

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 2.7
Duration: 55

Sample Collection

Date: 8/6/19
Time: 1405

Remarks: Stable Parameters

Signature of Sampler: NF

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: RM
Weather: Sny 70

Well Number: LZ-618U
Date: 6-8-19
Time: 1420

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: ADDed 23' HDPE Inner 5' off Bottom

Depth to Water: 7.61
Depth to Product:
Total Depth: 23.10
Water Column: 15.49

Type of Protective Casing: ~~RB~~ (SU)
Measuring Point: (TOC) TPC

Well Volume: 2.5

Development/Purge Device: Geotech 2

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1420	14.80	425	1.26	-49.2	5.99	301	0.2	0.25
1425	14.87	434	0.40	-48.1	5.91	106	0.2	0.5
1430	14.65	450	0.33	-58.1	5.98	52	0.2	0.75
1435	14.90	459	0.31	-64.2	6.04	20	0.2	1.0
1440	14.96	458	0.30	-67.1	6.02	4.0	0.2	1.25
1445	14.96	458	0.28	-67.0	6.02	3.8	0.2	1.5
1450	14.92	459	0.29	-67.1	6.02	3.6	0.2	1.75

Color: Clear
Odor: None

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 1.75
Duration: 30 min

Sample Collection

Date: 6/8/19
Time: 1451

Remarks: VOCs out

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Well Number: MW 620 U
Location: SARL Drive Salem NH
Date: 8/7/19
Sampler: NFeeley
Time: 738
Weather: sun 71°

Protective Casing Present	(Y)	N	Cement Pad Present	(Y)	N
Protective Casing Locked	(Y)	N	Standing Water	Y	(N)
Cap on Well Riser	(Y)	N	Visible Heaving	Y	(N)
Physical Damage	Y	(N)	Visible Subsidence	Y	(N)

Comment: Installed HDPE Tubing ~20' 8" silica sand

Depth to Water: 7.80
Depth to Product:
Total Depth: 17.72
Water Column: 9.92
Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC
Well Volume: 1.63

Development/Purge Device: Geotech Pump

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
750	13.00	207	5.36	273.9	4.57	108	0.32	0
800	13.43	210	2.77	301.8	4.17	89.8	0.4	0.5
810	13.71	207	2.30	299.1	4.47	16.8	0.4	1.75
815	13.74	209	2.16	289.2	4.56	8.65	0.4	2.5
820	13.74	210	2.03	287.3	4.58	5.96	0.4	3
825	13.79	211	1.93	284.8	4.62	4.84	0.4	3.5
830	13.83	211	1.83	282.4	4.66	4.12	0.4	4

Color: clear
Odor: NO
Sheen: Y (N)
Turbidity: (L) M H VH
Volume Purged: 3.4
Duration: 40

Sample Collection Date: 8/7/19 Time: 835

Remarks:

Signature of Sampler: NF

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: NFleser, PE
Weather: Sun 80°

Well Number: GZ 802 US
Date: ~~8/9/19~~ 8/8/19
Time: 1405

Protective Casing Present	(Y)	N	Cement Pad Present	(Y)	N
Protective Casing Locked	(Y)	N	Standing Water	Y	(N)
Cap on Well Riser	(Y)	N	Visible Heaving	Y	(N)
Physical Damage	Y	(N)	Visible Subsidence	Y	(N)

Comment: 1.5" pvc

Depth to Water: 6.07
Depth to Product:
Total Depth: 11.92
Water Column: 5.85

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 0.53

Development/Purge Device: Geotech pump

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1410	17.42	235	3.33	79.1	5.76	13.7	1.0	0
1420	16.60	258	1.68	5.46 KD	81.4	6.73	1.3	0.75
1425	16.70	262	1.25	80.3	5.44	6.17	1.0	1.25
1430	16.77	264	1.11	77.7	5.43	4.42	1.2	1.75
1435	16.83	268	1.01	74.5	5.43	4.46	1.2	2.25
1440	16.83	270	1.01	72.4	5.42	4.07	1.2	3

Color: pale yellow
Odor: None

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 3
Duration: 30m

Sample Collection

Date: ~~8/9/19~~ 8/8/19
Time: 1445

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Well Number: FZ 802 UD 8/8/19
Location: SARL Drive Salem NH
Date: ~~8/9/19~~ Pg 1 of 2
Sampler: NFederic
Time: 1130
Weather: Sun 80°

Protective Casing Present	(Y)	N	Cement Pad Present	(Y)	N
Protective Casing Locked	(Y)	N	Standing Water	Y	(N)
Cap on Well Riser	(Y)	N	Visible Heaving	Y	(N)
Physical Damage	Y	(N)	Visible Subsidence	Y	(N)

Comment: ~~[redacted]~~ 4" Insulated 30' HDPE tubing
4.5" pvc 8" silicone

Depth to Water: ~~8.70~~ 6.05
Depth to Product: /
Total Depth: ~~28.95~~ 24.85
Water Column: 18.8
Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC
Well Volume: 1.72

Development/Purge Device: Geotech

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1137	14.02	438	3.13	88.0	5.54	155	0.2	0
1155	13.47	465	1.49	44.4	5.51	63.8	0.2	1.0
1200	14.13	475	1.35	35.2	5.72	38.9	1.3	1.5
1210	13.70	461	1.17	32.2	5.69	30.1	1.2	2
1215	13.74	456	1.06	31.8	5.68	23.0	1.2	2.5
1220	14.78	464	1.03	26.1	5.74	23.8	1.1	2.75
1225	15.17	464	0.98	21.8	5.80	18.1	1.0	3
1235	15.44	457	0.96	23.0	5.80	18.5	0.9	3.5
1245	15.29	453	0.94	24.7	5.76	15.9	0.9	4.5
1255	15.26	453	0.90	24.6	5.76	14.4	0.9	4.75
1305	15.44	448	0.85	22.5	5.77	12.8	0.9	5
1310	15.24	446	0.83	21.0	5.78	11.6	0.9	5.25
1315	15.23	444	0.83	20.8	5.77	11.9	0.9	5.5

23 gal

Color: _____ Sheen: (Y) N Volume Purged: 6.75
Odor: Rubber and GAS Turbidity: (L) M H VH Duration: 2:03

Sample Collection Date: ~~8/9/19~~ 8/8/19 Time: 1345

Remarks: Collected "Field Duplicate 2" for VOCs only

Signature of Sampler: [signature]

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Well Number: GZ 802 D
Location: Sarl Drive Salem NH
Date: Pg 8 of 2 8/8/19
Sampler: NFederico
Time: 1130 (start)
Weather: Sun 80°

Protective Casing Present	Y	N	Cement Pad Present	Y	N
Protective Casing Locked	Y	N	Standing Water	Y	N
Cap on Well Riser	Y	N	Visible Heaving	Y	N
Physical Damage	Y	N	Visible Subsidence	Y	N

Comment: See Pg 1 of 2 for Details

Depth to Water: _____
Depth to Product: _____
Total Depth: _____
Water Column: _____

Type of Protective Casing: RB SU
Measuring Point: TOC TPC

Well Volume: _____

Development/Purge Device: _____

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1320	15.00	446	0.81	20.2	5.79	8.79	0.9	5.75
1325	15.05	441	0.78	19.6	5.79	10.6	0.9	6
1330	14.99	440	0.77	19.1	5.79	7.42	0.9	6.25
1335	14.99	439	0.74	19.2	5.78	5.56	0.9	6.5
1340	15.03	439	0.73	21.3	5.77	4.92	0.9	6.75

Color: clear
Odor: Slight gas
Sheen: (Y) ~~N~~
Turbidity: (L) M H VH
Volume Purged: 6.75
Duration: 2hr 5min

Sample Collection
Date: ~~8/7/19~~ 8/8/19
Time: 1345

Remarks: _____

Signature of Sampler: _____

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: RM
Weather: Sunny humid 70

Well Number: PZ19-2
Date: 8-7-19
Time: 930

Protective Casing Present (Y) N
Protective Casing Locked Y (N)
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present Y (N)
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: 1.25" S.STEEL PIEZO point

Depth to Water: 6.99
Depth to Product: —
Total Depth: 8.32
Water Column: 1.37

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 0.12 g

Development/Purge Device: Geo

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge ~~gal~~ L
930	14.3	302	4.01	36.2	6.23	11.6	1.0	0 /100
935	14.5	321	3.99	31.5	6.21	10.2	1.2	.2
940	14.5	306	3.21	31.2	6.26	4.1	1.2	.3
945	14.5	306	3.06	31.6	6.21	4.0	1.2	.4
950	14.6	306	3.07	31.5	6.20	4.1	1.2	.5

Color: Clear
Odor: None

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 0.5
Duration: 20min

Sample Collection

Date: 8/7/19
Time: 1602

Remarks: Slow Recharge low volume had to switch pump on/off

Signature of Sampler: [signature]

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Well Number: PZ19-6
Location: SARL Drive Salem NH
Date: 8-7-19
Sampler: RM
Time: 11:30
Weather: OVERCAST 75 humid

Protective Casing Present (Y) N
Cement Pad Present (Y) N
Protective Casing Locked Y (N)
Standing Water Y (N)
Cap on Well Riser (Y) N
Visible Heaving Y (N)
Physical Damage Y (N)
Visible Subsidence Y (N)

Comment: 1.25" S. STEEL well point

Depth to Water: 5.44
Type of Protective Casing: RB (SU)
Depth to Product: —
Measuring Point: (TOC) TPC
Total Depth: 7.70
Water Column: 2.26
Well Volume: 0.2

Development/Purge Device: Geo

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge ~~gal~~ L
1130	16.01	1045	2.85	-0.6	6.42	36	0.5	0.1
1140	16.03	1106	2.81	-1.6	6.40	20	1.5	.2
1150	16.02	1121	2.65	-1.5	6.39	3.9	1.5	.3
1200	16.01	1123	2.63	-1.7	6.36	3.1	1.5	.4
1210	16.01	1124	2.61	-1.2	6.31	3.2	1.5	.5

Color: Clear
Sheen: Y (N)
Volume Purged: 0.5L
Odor: NA
Turbidity: (L) M H VH
Duration: 30m

Sample Collection
Date: 8/7/19
Time: 1211

Remarks: Poor recharge need pump on/off

Signature of Sampler: R

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Well Number: DZ19-7
Location: SARL Drive Salem NH
Date: 8-7-19
Sampler: RM
Time: 830
Weather: Sunny 70

Protective Casing Present (Y) N NA
Protective Casing Locked Y (N)
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present Y (N)
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: 1.25" STEEL/STAINLESS well point

Depth to Water: 4.50
Depth to Product: —
Total Depth: 8.81
Water Column: 4.31

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 0.39

Development/Purge Device: Geotech

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
830	13.06	521	3.16	20.7	6.51	+1000	0.3	0.2
835	13.10	500	2.50	20.0	6.50	426	0.3	0.4
840	13.12	447	2.40	13.1	6.53	30.1	0.3	0.6
845	13.06	431	2.0	14.1	6.49	10.6	0.3	0.8
850	13.01	420	2.01	14.2	6.48	4.1	0.3	1.0
855	13.02	421	2.0	14.2	6.47	4.0	0.3	1.2
900	13.02	420	2.0	14.6	6.43	4.1	0.2	1.4

Color: Clear
Odor: None

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 1.1
Duration: 30 min

Sample Collection

Date: 8/7/19
Time: 901

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data UW19-01U

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: AJ Federici
Weather: Sun 70°

Well Number: ~~UMW19-01U~~ (Formerly MW19-07U)
Date: 8/5/19
Time: 838

Protective Casing Present	(Y)	N	Cement Pad Present	(Y)	N
Protective Casing Locked	(Y)	N	Standing Water	Y	(N)
Cap on Well Riser	(Y)	N	Visible Heaving	Y	(N)
Physical Damage	Y	(N)	Visible Subsidence	Y	(N)

Comment: Formerly MW19-07U 14' tubing

Depth to Water: 7.72
Depth to Product: /
Total Depth: 14.71
Water Column: 6.99

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 0.286 gal

Development/Purge Device: ~~Peristaltic~~ Geotech Pump

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
908	12.67	799	7.42	121.5	5.67	+800	0.1	0
913	12.17	789	1.20	152	5.18	25.4	0.1	0.75
923	12.12	799	0.91	142.9	5.22	15.3	0.1	1.25
928	12.15	819	0.52	133.3	5.34	5.53	0.1	2.0
933	12.10	835	0.45	133.0	5.34	3.81	0.1	2.5
938	12.03	856	0.41	131.7	5.37	3.46	0.1	3
943	11.99	873	0.38	130.8	5.38	2.45	0.1	3.5

Color: clear
Odor: no

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 3.5
Duration: 35

Sample Collection

Date: 8/5/19 Time: 945

Remarks: VOC only

Signature of Sampler: AF

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Well Number: UW 19-02 (FORM MW190804)
Location: SARL Drive Salem NH
Date: 8-7-19
Sampler: RM
Time: 1035
Weather: Sunny 75 humid

Protective Casing Present	(Y)	N	Cement Pad Present	(Y)	N
Protective Casing Locked	(Y)	N	Standing Water	Y	(N)
Cap on Well Riser	(Y)	N	Visible Heaving	Y	(N)
Physical Damage	Y	(N)	Visible Subsidence	Y	(N)

Comment: 1" well

Depth to Water: 7.04
Depth to Product: —
Total Depth: 15.31
Water Column: 8.27
Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC
Well Volume: 0.33
Development/Purge Device: Geotech 2

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1040	16.35	206	2.86	63.1	5.59	301	0.3	0.25
1045	16.40	212	2.90	62.0	6.16	101.6	0.3	0.5
1050	16.65	215	2.93	65.9	6.02	102	0.3	0.75
1055	16.69	210	2.93	67.1	6.28	26	0.3	1.0
1100	16.51	208	3.20	77.6	5.94	13.1	0.3	1.25
1105	16.50	207	3.21	82.9	5.90	3.9	0.3	1.5
1110	16.52	206	3.20	90.5	5.86	3.8	0.3	1.75
1115	16.50	203	3.20	91.1	5.80	3.1	0.3	2.0
1120	16.51	202	3.21	91.5	5.81	3.0	0.3	2.25

Color: Clear
Odor: None
Sheen: Y (N)
Turbidity: (L) M H VH
Volume Purged: 2.25
Duration: 40 min

Sample Collection Date: 8/7/19 Time: 1121

Remarks:

Signature of Sampler: RM

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Well Number: UW19-03U
Location: SARL Drive Salem NH
Date: 8/7/19
Sampler: NFederico
Time: 845
Weather: Sunny 75°

Protective Casing Present	(Y)	N	Cement Pad Present	(Y)	N
Protective Casing Locked	(Y)	N	Standing Water	Y	(N)
Cap on Well Riser	(Y)	N	Visible Heaving	Y	(N)
Physical Damage	Y	(N)	Visible Subsidence	Y	(N)

Comment: 1st well

Depth to Water: 9.18
Depth to Product: —
Total Depth: 22.31
Water Column: 13.13

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 0.53

Development/Purge Device: Geotech pump

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
848	18.54	185	4.39	233.9	5.65	191	0	0
858	18.75	183	1.39	189.6	5.82	43.6	0.2	1.25
903	18.75	191	1.21	189.9	5.85	9.81	0.2	1.5
908	18.79	199	1.05	189.3	5.84	4.84	0.2	2.0
913	18.90	203	0.94	134.7	5.85	3.43	0.2	2.5
918	18.92	206	0.89	136.1	5.86	2.39	0.2	3.0

Color: Clear
Odor: NO
Sheen: Y (N)
Turbidity: (L) M H VH
Volume Purged: 3.0
Duration: 33

Sample Collection
Date: 8/7/19
Time: 920

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: NFederico
Weather: Clouds 75°

Well Number: MW19-04U
Date: 8/7/19
Time: 935

Protective Casing Present	(Y)	N	Cement Pad Present	(Y)	N
Protective Casing Locked	(Y)	N	Standing Water	Y	(N)
Cap on Well Riser	(Y)	N	Visible Heaving	Y	(N)
Physical Damage	Y	(N)	Visible Subsidence	Y	(N)

Comment: 1st well

Depth to Water: 8.99
Depth to Product:
Total Depth: 22.60
Water Column: 13.61

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 0.55

Development/Purge Device: Geotech pump

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
940	18.16	344	4.35	-18.9	5.97	98.6	0.05	0
945	17.61	339	2.59	-20.8	5.61	40.2	0.05	0.5
950	17.63	368	2.45	+11.7	5.67	20.7	0.05	1
955	17.68	386	2.15	+8.4	5.75	14.9	0.05	1.5
1000	17.85	400	2.02	+4.6	5.81	8.31	0.05	2
1005	17.79	404	1.95	+3.7	5.82	5.91	0.05	2.5
1010	17.98	407	1.85	+2.8	5.82	5.09	0.05	3
1015	17.89	412	1.73	+2.2	5.83	3.24	0.05	3.5

Color: clear
Odor: rubber, solvent

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 3.5
Duration: 35

Sample Collection Date: 8/7/19 Time: 1020

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: NFedeson
Weather: Sun Clouds 77°

Well Number: MW19-05U
Date: 8/7/19
Time: 1040

Protective Casing Present	(Y)	N	Cement Pad Present	(Y)	N
Protective Casing Locked	(Y)	N	Standing Water	Y	(N)
Cap on Well Riser	(Y)	N	Visible Heaving	Y	(N)
Physical Damage	Y	(N)	Visible Subsidence	Y	(N)

Comment: 1st well

Depth to Water: 8.02
Depth to Product: /
Total Depth: 22.30
Water Column: 14.28

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 0.58

Development/Purge Device: Geotech Pump

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1050	12.68	135	5.00	80.4	5.74	312	0.2	0
1100	13.02	116	1.66	158.4	4.38	88.1	0.2	0.75
1110	13.26	114	1.27	124.2	4.98	39.6	0.2	1.25
1115	13.54	112	1.15	120.8	5.05	30.4	0.2	2
1120	13.75	113	1.02	113.2	5.16	22.3	0.2	2.5
1125	13.75	113	0.9	111.9	5.18	23.2	0.2	3
1130	14.34	112	0.90	106.9	5.23	16.8	0.2	3.25
1135	14.45	112	0.89	104.7	5.26	11.8	0.2	3.5
1140	14.54	111	0.87	105.5	5.25	7.00	0.2	3.75
1145	14.29	112	0.85	105.2	5.26	12.9	0.2	4
1150	14.45	112	0.82	106.7	5.23	5.73	0.2	4.25
1155	14.07	111	0.82	106.7	5.23	5.01	0.2	4.5
1200	14.76	111	0.80	106.1	5.23	4.91	0.2	4.75

Color: Clear
Odor: no

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 4.75
Duration: 1:10

Sample Collection

Date: 8/7/19 Time: 1205

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FwTP
Well Number: UGW19-060
Location: SARL Dr. Salem NJ
Date: 8/7/19
Sampler: NFelder, CD
Time: 1210
Weather: Cloudy 80s

Protective Casing Present	(Y)	N	Cement Pad Present	(Y)	N
Protective Casing Locked	(Y)	N	Standing Water	Y	(N)
Cap on Well Riser	(Y)	N	Visible Heaving	Y	(N)
Physical Damage	Y	(N)	Visible Subsidence	Y	(N)

Comment: 1" well

Depth to Water: 8.63
Depth to Product: /
Total Depth: 21.63
Water Column: 13.00

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 0.53

Development/Purge Device: Geotech pump

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1220	17.80	254	3.54	-24.7	6.44	79.2	0.30	0
1230	14.83	374	2.22	-13.1	5.91	64.1	0.42	0.75
1240	15.26	388	1.45	-20.9	6.06	26.1	0.31	1.75
1250	15.39	387	1.16	-24.1	6.07	14.7	0.30	2.25
1255	17.34	386	1.11	-24.0	6.06	9.90	0.30	2.5
1300	15.63	389	1.06	-24.2	6.06	6.64	0.30	3
1305	15.51	390	1.01	-23.7	6.08	5.56	0.30	3.5
1310	15.29	390	0.97	-22.0	6.07	4.90	0.30	4

Color: clear
Odor: Gasoline/Diesel, (Solvent)
Sheen: (Y) N
Turbidity: (L) M H VH
Volume Purged: 4
Duration: 50 min

Sample Collection Date: 8/7/19 Time: 1315

Remarks:

Signature of Sampler: NF

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: NFederico
Weather: Sun 80°

Well Number: MW19-01U
Date: 8/5/19
Time: 1240

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: Installed 30' HDPE tubing 8" silicone

Depth to Water: 8.58
Depth to Product:
Total Depth: 27.45
Water Column: 18.87

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 3.09

Development/Purge Device: Geotech Pump

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1241	13.01	262	1.44	-21.9	6.03	+800	1.2	0
1251	12.15	262	0.45	53.0	5.60	249	2.1	1.25
1301	12.18	261	0.38	38.0	5.92	146	2.3	2
1311	11.89	259	0.39	45.1	5.81	113	2.3	2.5
1316	12.93	255	0.29	29.5	6.04	75.1	1.7	2.75
1321	12.90	259	0.27	38.9	6.07	48.5	1.6	3.25
1326	12.86	259	0.26	50.7	6.02	44.2	1.6	3.5
1331	12.84	259	0.25	57.9	5.99	25.2	1.6	3.75
1336	12.91	261	0.24	49.4	6.03	30.1	1.6	4
1341	12.90	262	0.26	53.4	6.01	22.5	1.6	4.25

Color: Clear
Odor: no

Sheen: Y (N)
Turbidity: L (M) H VH

Volume Purged: ~~4.25~~ 4.25
Duration: 1hr

Sample Collection Date: 8/5/19 Time: 1345

Remarks: NTU stabilizing around ~~25~~ 25 NTU.

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Well Number: MW19-02U
Location: SARL Drive Salem NH
Date: 8/5/19
Sampler: NFederico
Time: 1518
Weather: Sun 83°

Protective Casing Present	(Y)	N	Cement Pad Present	(Y)	N
Protective Casing Locked	(Y)	N	Standing Water	Y	(N)
Cap on Well Riser	(Y)	N	Visible Heaving	Y	(N)
Physical Damage	Y	(N)	Visible Subsidence	Y	(N)

Comment:

Depth to Water: 9.98
Depth to Product: /
Total Depth: 26.80
Water Column: 16.82

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 2.59

Development/Purge Device: Geotech pump

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1520	12.21	85	2.19	238.6	5.11	389	0.1	0
1530	12.21	94	2.17	220.5	5.27	170	0.1	1.25
1535	12.18	96	2.15	208.9	5.51	104	0.1	2.0
1540	12.10	97	2.16	196.6	5.51	80.9	0.1	2.5
1545	12.11	93	2.15	184.6	5.56	41.4	0.1	3
1550	12.07	99	2.13	180.0	5.58	29.3	0.1	3.5
1555	12.00	102	2.14	178.3	5.60	25.6	0.1	4
1600	12.02	102	2.16	177.2	5.62	14.9	0.1	4.5
1605	11.97	101	2.08	174.4	5.63	13.4	0.1	5
1610	12.18	100	2.03	172.0	5.66	12.9	0.1	5.5

Color: Clear
Odor: NO
Sheen: Y (N)
Turbidity: (L) M H VH
Volume Purged: 5.5
Duration: ~~1hr 10m~~ 50

Sample Collection
Date: 8/5/19
Time: ~~1615~~ 1615

Remarks: Stable Parameter NTU stabilized 12-15

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: RM
Weather: Sunny 71

Well Number: MW19-03U
Date: 8-5-15
Time: 1025

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: VOC ONLY

Depth to Water: ~~8.26~~ ~~5.30~~ 5.01
Depth to Product: —
Total Depth: ~~11~~ 16.5
Water Column: 11.49

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 1.85

Development/Purge Device: Geotech 2

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1025	12.14	50	4.53	82.9	4.86	121	0.2	0.25
1030	13.00	50	1.36	83.6	4.52	56	0.2	0.5
1035	13.00	49	1.41	114.2	4.51	23	0.2	1.0
1040	13.00	48	1.40	114.6	4.50	20	0.2	1.5
1045	13.19	47	1.45	11 42	4.52	7.9	0.2	2.0
1050	13.18	46	1.40	114.1	4.51	7.0	0.2	2.~~5~~0
1055	13.21	45	1.21	114.5	4.51	2.0	0.2	3.0
1100	13.20	46	1.10	114.6	4.52	3.0	0.2	3.25
1105	13.20	45	1.10	114.5	4.51	3.0	0.2	3.75

Color: clear
Odor: NA

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 3.75
Duration: 40min

Sample Collection

Date: 8/5/15
Time: 1106

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: NFederico
Weather: Sun 83°

Well Number: MW19-02L
Date: 8/15/19
Time: 1400

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment:

Depth to Water: 4.53
Depth to Product: —
Total Depth: 54.20
Water Column: 44.67

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: 7.32

Development/Purge Device: Geotech Pump

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1410	12.94	605	4.95	183.5	5.95	444	0.1	0
1420	12.59	374	3.80	156.2	5.56	91.1	0.1	1.5
1425	12.57	611	3.29	134.1	5.75	33.1	0.1	1.75
1430	12.49	617	2.99	123.0	5.78	17.4	0.1	2.25
1435	12.47	618	3.08	117.9	5.81	12.5	0.1	2.75
1440	12.60	618	3.06	116.9	5.82	13.9	0.1	3.25
1445	12.60	616	3.77	113.4	5.83	8.15	0.1	3.75
1450	12.60	614	2.60	112.4	5.82	11.3	0.1	4.5
1455	13.17	616	1.77	109.2	5.93	7.16	0.1	5
1500	13.28	615	1.85	108.5	5.91	6.04	0.1	5.25
1505	13.14	616	1.92	111.3	5.90	5.01	0.1	5.5
1510	13.27	617	1.82	111.3	5.89	4.65	0.1	5.75

Color: Clear
Odor: NO

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 5.75
Duration: 1 hr

Sample Collection

Date: ~~8/15~~ 8/15/19
Time: 1515

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data MW19-04U

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: RM
Weather: Sunny 70

Well Number: ~~GZ FW 1U~~
Date: 8-6-19
Time: 1055

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment:

Depth to Water: 6.22
Depth to Product: —
Total Depth: NM
Water Column: —

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: —

Development/Purge Device: Geotech Dedicated

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1100	11.06	713	2.01	69.2	5.5	38.1	0.2	0.25
1105	11.00	714	1.73	69.6	5.49	36.9	0.2	0.5
1110	10.92	702	1.21	66.3	5.38	21.6	.2	0.75
1115	10.95	693	1.00	65.9	5.39	20.9	.2	1.0
1120	10.81	681	0.69	65.2	5.31	18.3	.2	1.25
1125	10.86	671	0.51	65.1	5.36	6.2	.2	1.5
1130	10.72	652	0.32	64.2	6.36	6.9	.2	2.0
1135	10.69	661	0.21	64.1	6.37	6.1	.2	2.25
1140	10.68	650	0.19	60.0	6.38	4.0	.2	3.0
1145	10.67	649	0.18	60.0	6.37	4.2	.2	3.5
1150	10.68	648	0.16	60.3	5.38	3.9	.2	4.0

Color: Clear
Odor: None

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 4.0
Duration: 50m

Sample Collection

Date: 8/6/19
Time: 1157

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data MW19-05D

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: RM
Weather: Sny 70

Well Number: ~~G2 FW 1L~~
Date: 8-6-19
Time: 950

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment:

Depth to Water: 7.72
Depth to Product: —
Total Depth: nm
Water Column: —

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: —

Development/Purge Device: Bladder

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
950	10.99	121	26.1	45.3	6.42	56.1	0.2	0.25
1000	11.05	121	1.25	45.6	5.99	31.6	0.2	.75
1005	11.42	120	0.99	44.2	5.91	28.2	0.2	1.25
1010	11.45	115	0.81	43.9	5.86	15.6	0.2	1.5
1015	11.46	119	0.73	43.8	5.86	12.1	0.2	2.0
1020	11.10	118	0.60	44.6	5.87	10.2	0.2	2.25
1025	11.09	119	0.50	44.8	5.82	9.9	0.2	2.5
1030	11.29	118	0.52	44.7	5.89	6.1	0.2	2.75
1035	11.28	119	0.48	44.6	5.89	4.9	0.2	3.0
1040	11.29	120	0.50	44.6	5.87	4.6	0.2	3.25

Color: Clear
Odor: None

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 3.25 g
Duration: 30 min

Sample Collection

Date: 8/6/19
Time: 1041

Remarks:

Signature of Sampler:

Geological Field Services, Inc.
Low Flow Well Sampling Data

Project ID: 18170 Salem FWTP
Location: SARL Drive Salem NH
Sampler: RM
Weather: Sunny 75

Well Number: MW 19-06L
Date: 8-6-19
Time: 1330

Protective Casing Present (Y) N
Protective Casing Locked (Y) N
Cap on Well Riser (Y) N
Physical Damage Y (N)

Cement Pad Present (Y) N
Standing Water Y (N)
Visible Heaving Y (N)
Visible Subsidence Y (N)

Comment: Dark Nbing

Depth to Water: 10.16
Depth to Product: —
Total Depth: NM
Water Column: —

Type of Protective Casing: RB (SU)
Measuring Point: (TOC) TPC

Well Volume: —

Development/Purge Device: Geo Pump

Time	Temp Celsius	S.C. umhos/cm	D.O. mg/L	ORP mV	pH su units	NTU	Drawdown feet	Purge gal.
1330	13.36	279	1.01	22.6	5.21	502	0.2	0.25
1335	13.39	261	0.90	10.3	5.38	491	0.2	0.5
1340	13.42	308	0.40	-48.6	5.99	306	0.2	0.75
1345	13.56	425	0.45	-50.2	6.01	228	0.2	1.0
~~1400~~ 1350	1358	553	0.40	-56.1	6.21	136	0.2	1.25
1355	13.56	625	0.42	-73.9	6.45	10.6	0.2	1.5
1400	13.58	624	0.43	-74.2	6.59	4.01	0.2	1.75
1405	13.59	625	0.44	-75.2	6.51	4.09	0.2	2.0
1410	13.59	625	0.44	-75.6	6.50	4.01	0.2	2.25

Color: Clear
Odor: None

Sheen: Y (N)
Turbidity: (L) M H VH

Volume Purged: 2.25
Duration: 40m

Sample Collection

Date: 6/8/19
Time: 1411

Remarks: STABLE ~~w/ elevated turbidity~~

Signature of Sampler:

APPENDIX D

CHAIN OF CUSTODY

PAGE 1 OF 3

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Date Rec'd in Lab:

ALPHA Job #:

Client Information

Client: Woodard & Curran

Address: 40 Shattuck Rd Suite 110
Andover MA 01810

Phone:

Email: Soiney@woodardcurran.com

Project Information

Project Name: Former WWTP

Project Location: Salem NH

Project #:

Project Manager: Sam Olney

ALPHA Quote #:

Report Information - Data Deliverables

☐ ADEx ☐ EMAIL

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements & Project Information Requirements

☐ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods
☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
☐ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)
☐ Yes ☐ No NPDES RGP
☐ Other State /Fed Program _____ Criteria _____

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due:

Additional Project Information:

VOC 8260C Full NHDES List

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	VOC: ☐ 8260 ☐ 624 ☐ 524.2	SVOC: ☐ ABN ☐ PAH	METALS: ☐ MCP 13 ☐ MCP 14 ☐ RCP 15	METALS: ☐ RCRA5 ☐ RCRA8 ☐ PP13	EPH: ☐ Ranges & Targets ☐ Ranges Only	VPH: ☐ Ranges & Targets ☐ Ranges Only	☐ PCB ☐ PEST	TPH: ☐ Quant Only ☐ Fingerprint	Sample Comments	TOTAL # BOTTLES
	GZ-1U	8/5/19	906	GW	RM	X									3
	MW19-01U		945	GW	NF	X									
	GZ-6		1011	GW	RM	X									
	MW19-03U		1106	GW	RM	X									
	GZ-203L		1145	GW	NF	X									
	GZ-5R		1201	GW	RM	X									
	GZ-401L		1311	GW	RM	X									
	GZ-4U		1406	GW	RM	X									
	GZ-4L		1446	GW	RM	X									
	MW19-01U		1345	GW	NF	X									

SAMPLE INFO
Filtration
☐ Field
☐ Lab to do
Preservation
☐ Lab to do

Container Type	V
Preservative	B

Container Type
P= Plastic
A= Amber glass
V= Vial
G= Glass
B= Bacteria cup
C= Cube
O= Other
E= Encore
D= BOD Bottle

Preservative
A= None
B= HCl
C= HNO_3
D= H_2SO_4
E= NaOH
F= MeOH
G= $NaHSO_4$
H = $Na_2S_2O_3$
I= Ascorbic Acid
J = NH_4Cl
K= Zn Acetate
O= Other

Relinquished By:	Date/Time	Received By:	Date/Time
	8/6/19 1500		

All samples submitted are subject to Alpha's Terms and Conditions.
See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)

CHAIN OF CUSTODY

PAGE 2 OF 3

ALPHA ANALYTICAL
World Class Chemistry

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Date Rec'd in Lab:

ALPHA Job #:

Client Information

Client: WOODARD & CURRAN

Address: 40 SHATTUCK DR Suite 110
ANDOVER MA 01810

Phone:

Email: Solney@woodardcurran.com

Project Information

Project Name: FORMER FMTP

Project Location: SALEM NH

Project #:

Project Manager: SAM OLNEY

ALPHA Quote #:

Report Information - Data Deliverables

☐ ADEx ☒ EMAIL

Billing Information

☒ Same as Client info PO #:

Turn-Around Time

☐ Standard ☐ RUSH *(only confirmed if pre-approved!)*

Date Due:

Regulatory Requirements & Project Information Requirements

☐ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods
☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
☐ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)
☐ Yes ☐ No NPDES RGP
☐ Other State /Fed Program _____ Criteria _____

Additional Project Information:

VI 60C FULL NHDES LIST

ANALYSIS

VOC: ☐ 8260 ☐ 624 ☐ 524.2
SVOC: ☐ ABN ☐ PAH
METALS: ☐ MCP 13 ☐ MCP 14 ☐ RCP 15
METALS: ☐ RCRA5 ☐ RCRA8 ☐ PP13
EPH: ☐ Ranges & Targets ☐ Ranges Only
VPH: ☐ Ranges & Targets ☐ Ranges Only
☐ PCB ☐ PEST
TPH: ☐ Quant Only ☐ Fingerprint
14 DIOXAN 8270SIM 0.3ug/L

SAMPLE INFO

Filtration
☐ Field
☐ Lab to do

Preservation
☐ Lab to do

Sample Comments

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	VOC	SVOC	METALS	METALS	EPH	VPH	PCB	TPH	14 DIOXAN										Sample Comments	TOTAL # BOTTLES
	MW19-02L	8-5-19	1515	GW	NF	X																			3
	MW19-02U	8-5-19	1615	GW	NF	X																			3
	MW19-05U	8-6-19	1041	GW	RM	X																			3
	GZ-611L	8-6-19	1050	GW	NF	X							X												5
	DUP-1	8-6-19	—	GW	NF	X							X												5
	MW19-04U	8-6-19	1151	GW	RM	X																			3
	GZ-611U	8-6-19	1215	GW	NF	X							X												5
	MS-GZ611U	8-6-19	1215	GW	NF	X							X												5
	MSD-GZ-611U	8-6-19	1215	GW	NF	X							X												5
	GZ-410	8-6-19	1316	GW	RM	X																			3

CHAIN OF CUSTODY

PAGE 3 OF 3

ALPHA ANALYTICAL — Where Class Chemistry

8 Walkup Drive, Westboro, MA 01581, Tel: 508-898-9220
320 Forbes Blvd, Mansfield, MA 02048, Tel: 508-822-9300

Date Rec'd in Lab:

ALPHA Job #:

Client Information

Client: WOODARD & CURRAN
Address: 40 Shattuck Rd
ANDOVER MA 01810
Phone:
Email: SOlney@woodardcurran.com

Additional Project Information:

Project Information

Project Name: FORMER NWTP
Project Location: SALEM NH
Project #:
Project Manager: Sam Olney
ALPHA Quote #:

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due:

Report Information - Data Deliverables

☐ ADEx ☐ EMAIL

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements & Project Information Requirements

☐ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods
☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
☐ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)
☐ Yes ☐ No NPDES RGP
☐ Other State /Fed Program _____ Criteria _____

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	VOC: ☐ 8260 ☐ 624 ☐ 524.2	SVOC: ☐ ABN ☐ PAH	METALS: ☐ MCP 13 ☐ MCP 14 ☐ RCP 15	METALS: ☐ RCRA5 ☐ RCRA8 ☐ PP13	EPH: ☐ Ranges & Targets ☐ Ranges Only	VPH: ☐ Ranges & Targets ☐ Ranges Only	☐ PCB ☐ PEST	TPH: ☐ Quant Only ☐ Fingerprint	1-4 D: Lowest Low Level 8270 SIM 0.3ppb	Sample Comments	TOTAL # BOTTLES
1345	MW19-06L	8-6-19	1411	GW	RM	X										3
1350	GZ-~~1000~~615U	8-6-19	1405	GW	NF	X										3
1355	GZ-618U	8/6/19	1431	GW	RM	X										3
	TRIP BLANK-1	8/6/19		LAB	—	X										2
	GZ-601U	8/6/19	1455	GW	NF	X							X			3

Container Type
P= Plastic
A= Amber glass
V= Vial
G= Glass
B= Bacteria cup
C= Cube
O= Other
E= Encore
D= BOD Bottle

Preservative
A= None
B= HCl
C= HNO_3
D= H_2SO_4
E= NaOH
F= MeOH
G= $NaHSO_4$
H = $Na_2S_2O_3$
I= Ascorbic Acid
J = NH_4Cl
K= Zn Acetate
O= Other

Container Type	V	
Preservative	B	

Relinquished By:	Date/Time	Received By:	Date/Time
	8/6/19 1500		

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)

CHAIN OF CUSTODY

PAGE 1 OF 3

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Date Rec'd in Lab:

ALPHA Job #:

Client Information

Client: WOODARD & CURRAN
Address: 40 Shattuck Dr Ste 110
ANDOVER MA 01810
Phone:
Email: SOLNEY@WOODARDCURRAN.COM

Project Information

Project Name: FORMER WWTP
Project Location: SALEM NH
Project #:
Project Manager: SAM OLNEY
ALPHA Quote #:

Turn-Around Time

☐ Standard ☐ RUSH *(only confirmed if pre-approved!)*

Date Due:

Report Information - Data Deliverables

☐ ADEx ☐ EMAIL

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements & Project Information Requirements

☐ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods
☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
☐ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)
☐ Yes ☐ No NPDES RGP
☐ Other State /Fed Program _____ Criteria _____

Additional Project Information:
VCC WITH FULL NHDES LIST 8260C

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	ANALYSIS: VOC: ☐ 8260 ☐ 624 ☐ 524.2 / SVOC: ☐ ABN ☐ PAH / METALS: ☐ MCP 13 ☐ MCP 14 ☐ RCP 15 / METALS: ☐ RCRA5 ☐ RCRA8 ☐ PP13 / EPH: ☐ Ranges & Targets ☐ Ranges Only / VPH: ☐ Ranges & Targets ☐ Ranges Only / ☐ PCB ☐ PEST / TPH: ☐ Quant Only ☐ Fingerprint	SAMPLE INFO: Filtration ☐ Field ☐ Lab to do; Preservation ☐ Lab to do	Sample Comments	TOTAL # BOTTLES
	GZ-620 U	8-7-19	835	GW	NP	X			3
	PZ19-7		901	GW	RM	X			3
	UW19-03U		930	GW	NF	X			3
	PZ19-2		1000	GW	RM	X			3
	UW19-04U		1020	GW	NF	X			3
	UW19-02U		1121	GW	RM	X			3
	PZ19-6		1211	GW	RM	X			3
	UW19-05U		1205	GW	NF	X			3
	UW19-06U		1315	GW	NF	X			3
	GZ-607L		1351	GW	RM	X			3
						Container Type: V			
						Preservative: B			

Container Type
P= Plastic
A= Amber glass
V= Vial
G= Glass
B= Bacteria cup
C= Cube
O= Other
E= Encore
D= BOD Bottle

Preservative
A= None
B= HCl
C= HNO_3
D= H_2SO_4
E= NaOH
F= MeOH
G= $NaHSO_4$
H = $Na_2S_2O_3$
I= Ascorbic Acid
J = NH_4Cl
K= Zn Acetate
O= Other

Relinquished By:	Date/Time	Received By:	Date/Time
Woodard Curran	8/9/19 1530		

All samples submitted are subject to Alpha's Terms and Conditions.
See reverse side.

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CHAIN OF CUSTODY

PAGE 2 OF 3

ALPHA ANALYTICAL — Work Class Chemistry

8 Walkup Drive, Westboro, MA 01581, Tel: 508-898-9220
320 Forbes Blvd, Mansfield, MA 02048, Tel: 508-822-9300

Date Rec'd in Lab:

ALPHA Job #:

Client Information

Client: WOODARD & CURRAN
Address: 40 Shattuck RD Suite 110
ANDOVER MA 01810
Phone:
Email: Schey@woodardcurran.com

Project Information

Project Name: FORMER WWTP
Project Location: SALEM NH
Project #:
Project Manager: SAM Olney
ALPHA Quote #:

Report Information - Data Deliverables

☐ ADEx ☐ EMAIL

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements & Project Information Requirements

☐ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods
☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
☐ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)
☐ Yes ☐ No NPDES RGP
☐ Other State /Fed Program _____ Criteria _____

Turn-Around Time

☐ Standard ☐ RUSH *(only confirmed if pre-approved!)*

Date Due:

Additional Project Information:

TOTAL METALS = Cr, Ca, Silica, Iron, As
Hex Cr, ORP, TOTAL & Dis Ammonia
phosphate

ANALYSIS

VOC: ☐ 8260 ☐ 624 ☐ 524.2
SVOC: ☐ ABN ☐ PAH
METALS: ☐ MCP 13 ☐ MCP 14 ☐ RCP 15
METALS: ☐ RCRA5 ☐ RCRA8
EPH: ☐ Ranges & Targets ☐ Ranges Only
VPH: ☐ Ranges & Targets ☐ Ranges Only
☐ PCB ☐ PEST
TPH: ☐ Quant Only ☐ Fingerprint
1,4 Dioxane Low Level
TOC
Total & Dissolved Ammonia
SO4, Cl, NO3, Sulfide
Total Phosphorus, Phosphate
ALK

SAMPLE INFO
Filtration
☐ Field
☐ Lab to do
Preservation
☐ Lab to do

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	VOC	SVOC	METALS	METALS	EPH	VPH	PCB	TPH	1,4 Dioxane	TOC	Total & Dissolved Ammonia	SO4, Cl, NO3, Sulfide	Total Phosphorus, Phosphate	ALK	Sample Comments	TOTAL # BOTTLES
	GZ 508	8/7/19	1450	GW	NF	X							X								5
	GZ 407U	8/7/19	1450	GW	RM	X															3
	GZ-3A	8/8/19	856	GW	RM		X	X		X	X	X	X	X		X	X	X	X		17
	GZ-3L		1036	GW	RM		X	X		X	X	X	X			X	X	X	X		15
	GZ-607L		945	GW	NF		X	X		X	X	X	X	X		X	X	X	X		17
	GZ-607U		1100	GW	NF		X	X		X	X	X	X	X		X	X	X	X		17
	GZ-612U		1212	GW	RM		X	X		X	X	X	X			X	X	X	X		15
	GZ TW1U		1351	GW	RM	X	X	X		X	X	X	X	X		X	X	X	X		20
	GZ TW1L		1446	GW	RM	X	X	X		X	X	X	X	X		X	X	X	X		2
	GZ 802 UD	V	1345	GW	NF	X	X	X		X	X	X	X	X		X	X	X	X		

CHAIN OF CUSTODY

PAGE 3 OF 3

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Date Rec'd in Lab:

ALPHA Job #:

Client Information

Client: WOODARD & CURRAN
Address: 40 SHATTUCK RD
ANDOVER MA 01810
Phone:
Email: SOLney@woodardcurran.com

Project Information

Project Name: FORMER WWTP
Project Location: SALEM NH
Project #:
Project Manager: SAM drey
ALPHA Quote #:

Report Information - Data Deliverables

☐ ADEx ☐ EMAIL

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements & Project Information Requirements

☐ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods
☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
☐ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)
☐ Yes ☐ No NPDES RGP
☐ Other State /Fed Program _____ Criteria _____

Turn-Around Time

☐ Standard ☐ RUSH *(only confirmed if pre-approved!)*

Date Due:

Additional Project Information:

ANALYSIS

- VOC: ☐ 8260 ☐ 624 ☐ 524.2
- SVOC: ☐ ABN ☐ PAH D.S. FC
- METALS: ☐ MCP 13 ☐ MCP 14 ☐ RCP 16
- METALS: ☐ RCRA5 ☐ RCRA8 ☐ PP13
- EPH: ☐ Ranges & Targets ☐ Ranges Only
- VPH: ☐ Ranges & Targets ☐ Ranges Only
- ☐ PCB ☐ PEST
- TPH: ☐ Quant Only ☐ Fingerprint
- 1-4 Dioxane
- Total & Dissolved Ammonia
- Alk
- Total Phosphorus

SAMPLE INFO

Filtration
☐ Field
☐ Lab to do

Preservation
☐ Lab to do

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	VOC	SVOC	METALS	METALS	EPH	VPH	PCB	TPH	1-4 Dioxane	Total & Dissolved Ammonia	Alk	Total Phosphorus	Sample Comments	TOTAL # BOTTLES
	GZ 802 US	8/8/19	1445	GW	NF		X	X	X	X	X	X		X	X	X	X	X	17
	DUP-2	↓	—	GW	NF	X													3
	TRIP BLANK 2	↓		LAB		X													2

Container Type
P= Plastic
A= Amber glass
V= Vial
G= Glass
B= Bacteria cup
C= Cube
O= Other
E= Encore
D= BOD Bottle

Preservative
A= None
B= HCl
C= HNO_3
D= H_2SO_4
E= NaOH
F= MeOH
G= $NaHSO_4$
H = $Na_2S_2O_3$
I= Ascorbic Acid
J = NH_4Cl
K= Zn Acetate
O= Other

Container Type	V	P	P	P	V	P	V		A	P	P	P	P						
Preservative	B	C	C	A	B	A	D		A	A	A	A	K						

Relinquished By:	Date/Time	Received By:	Date/Time
	8/9/19 1530		

All samples submitted are subject to Alpha's Terms and Conditions.
See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)

CHAIN OF CUSTODY

PAGE 1 OF 1

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Date Rec'd in Lab:

ALPHA Job #:

Client Information

Client: Woodard and Curran

Address: 40 Shattuck Rd Suite 110
Andover MA 01810

Phone:

Email: solney@woodardcurran.com

Project Information

Project Name: former WWTP

Project Location: Salem NH

Project #:

Project Manager: Sam Olney

ALPHA Quote #:

Report Information - Data Deliverables

☐ ADEx ☐ EMAIL

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements & Project Information Requirements

☐ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods
☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
☐ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)
☐ Yes ☐ No NPDES RGP
☐ Other State /Fed Program _____ Criteria _____

Turn-Around Time

☐ Standard ☐ RUSH *(only confirmed if pre-approved!)*

Date Due:

Additional Project Information:

VOC w/ the Full ~~NH~~ List 8260 c
NHDES

ANALYSIS

VOC: ☐ 8260 ☐ 624 ☐ 524.2
SVOC: ☐ ABN ☐ PAH
METALS: ☐ MCP 13 ☐ MCP 14 ☐ RCP 15
METALS: ☐ RCRA5 ☐ RCRA8 ☐ PP13
EPH: ☐ Ranges & Targets ☐ Ranges Only
VPH: ☐ Ranges & Targets ☐ Ranges Only
☐ PCB ☐ PEST
TPH: ☐ Quant Only ☐ Fingerprint

SAMPLE INFO

Filtration
☐ Field
☐ Lab to do

Preservation
☐ Lab to do

Sample Comments

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	VOC																TOTAL # BOTTLES
	GZ-501U	8/9/19	1085	GW	NF	X																7
	GZ-616U	↓	1200	GW	NF	X																3
	TRIP Blank			1085		X																1

Container Type	✓
Preservative	B

Container Type
P= Plastic
A= Amber glass
V= Vial
G= Glass
B= Bacteria cup
C= Cube
O= Other
E= Encore
D= BOD Bottle

Preservative
A= None
B= HCl
C= HNO_3
D= H_2SO_4
E= NaOH
F= MeOH
G= $NaHSO_4$
H = $Na_2S_2O_3$
I= Ascorbic Acid
J = NH_4Cl
K= Zn Acetate
O= Other

Relinquished By:	Date/Time	Received By:	Date/Time
Madape Perlino	8/9/19 1700		8/9/19 12:00

All samples submitted are subject to Alpha's Terms and Conditions.
See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

8 Walkup Drive, Westboro, MA 01581, Tel: 508-898-9220
320 Forbes Blvd, Mansfield, MA 02048, Tel: 508-822-9300

Date Rec'd in Lab:

ALPHA Job #:

Client Information

Client: Woodard and Curran
Address: 40 Shattuck Rd Suite 110
Andover MA 01810
Phone:
Email: Solney@woodardcurran.com

Project Information

Project Name: former WWTP
Project Location: Salem NH
Project #:
Project Manager: Sam Olney
ALPHA Quote #:

Report Information - Data Deliverables

☐ ADEx ☐ EMAIL

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements & Project Information Requirements

☐ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods
☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
☐ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)
☐ Yes ☐ No NPDES RGP
☐ Other State /Fed Program _____ Criteria _____

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due:

Additional Project Information:

ANALYSIS

VOC: ☐ 8260 ☐ 624 ☐ 524.2
SVOC: ☐ ABN ☐ PAH
METALS: ☐ MCP 13 ☐ MCP 14 ☐ RCP 15
METALS: ☐ RCRA5 ☐ RCRA8 ☐ PP13
EPH: ☐ Ranges & Targets ☐ Ranges Only
VPH: ☐ Ranges & Targets ☐ Ranges Only
☐ PCB ☐ PEST
TPH: ☐ Quant Only ☐ Fingerprint
Oxidant Demand

SAMPLE INFO
Filtration
☐ Field
☐ Lab to do
Preservation
☐ Lab to do

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	Sample Comments
	GZ-612U	8/8/19	1212	GW	RM	

Container Type	P
Preservative	A

Container Type
P= Plastic
A= Amber glass
V= Vial
G= Glass
B= Bacteria cup
C= Cube
O= Other
E= Encore
D= BOD Bottle

Preservative
A= None
B= HCl
C= HNO_3
D= H_2SO_4
E= NaOH
F= MeOH
G= $NaHSO_4$
H = $Na_2S_2O_3$
I= Ascorbic Acid
J = NH_4Cl
K= Zn Acetate
O= Other

Relinquished By:	Date/Time	Received By:	Date/Time
Michael Fredlund	8/9/19	[illegible]	8/9/19 1600

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)

APPENDIX E

ANALYTICAL LABORATORY DATA REPORTS

ANALYTICAL REPORT

Lab Number:	L1927881
Client:	Woodard & Curran 40 Shattuck Road Suite 110 Andover, MA 01810
ATTN:	Jarrod Yoder
Phone:	(978) 557-8150
Project Name:	SALEM FORMER WWTF
Project Number:	231841
Report Date:	07/03/19

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: SALEM FORMER WWTF
Project Number: 231841

Lab Number: L1927881
Report Date: 07/03/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1927881-01	SB19-01 (25-26)	SOIL	SALEM, NH	06/24/19 16:30	06/26/19
L1927881-02	SB19-02 (49-51)	SOIL	SALEM, NH	06/25/19 15:05	06/26/19
L1927881-03	TRIP BLANK	SOIL	SALEM, NH	06/19/19 13:55	06/26/19

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1927881
Project Number:	231841	**Report Date:**	07/03/19

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 07/03/19

ORGANICS

VOLATILES

Project Name: SALEM FORMER WWTF **Lab Number:** L1927881

Project Number: 231841 **Report Date:** 07/03/19

SAMPLE RESULTS

Lab ID: L1927881-01 Date Collected: 06/24/19 16:30
Client ID: SB19-01 (25-26) Date Received: 06/26/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/29/19 12:12
Analyst: AD
Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.5	--	1
1,1-Dichloroethane	ND		ug/kg	0.91	--	1
Chloroform	ND		ug/kg	1.4	--	1
Carbon tetrachloride	ND		ug/kg	0.91	--	1
1,2-Dichloropropane	ND		ug/kg	0.91	--	1
Dibromochloromethane	ND		ug/kg	0.91	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.91	--	1
Tetrachloroethene	ND		ug/kg	0.45	--	1
Chlorobenzene	ND		ug/kg	0.45	--	1
Trichlorofluoromethane	ND		ug/kg	3.6	--	1
1,2-Dichloroethane	ND		ug/kg	0.91	--	1
1,1,1-Trichloroethane	0.45		ug/kg	0.45	--	1
Bromodichloromethane	ND		ug/kg	0.45	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.91	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.45	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.45	--	1
1,1-Dichloropropene	ND		ug/kg	0.45	--	1
Bromoform	ND		ug/kg	3.6	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.45	--	1
Benzene	ND		ug/kg	0.45	--	1
Toluene	ND		ug/kg	0.91	--	1
Ethylbenzene	ND		ug/kg	0.91	--	1
Chloromethane	ND		ug/kg	3.6	--	1
Bromomethane	ND		ug/kg	1.8	--	1
Vinyl chloride	ND		ug/kg	0.91	--	1
Chloroethane	ND		ug/kg	1.8	--	1
1,1-Dichloroethene	ND		ug/kg	0.91	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1927881

Project Number: 231841 **Report Date:** 07/03/19

SAMPLE RESULTS

Lab ID: L1927881-01 Date Collected: 06/24/19 16:30

Client ID: SB19-01 (25-26) Date Received: 06/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	17		ug/kg	0.45	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	--	1
Methyl tert butyl ether	ND		ug/kg	1.8	--	1
p/m-Xylene	ND		ug/kg	1.8	--	1
o-Xylene	ND		ug/kg	0.91	--	1
Xylenes, Total	ND		ug/kg	0.91	--	1
cis-1,2-Dichloroethene	18		ug/kg	0.91	--	1
1,2-Dichloroethene, Total	18		ug/kg	0.91	--	1
Dibromomethane	ND		ug/kg	1.8	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	--	1
Styrene	ND		ug/kg	0.91	--	1
Dichlorodifluoromethane	ND		ug/kg	9.1	--	1
Acetone	ND		ug/kg	9.1	--	1
Carbon disulfide	ND		ug/kg	9.1	--	1
2-Butanone	ND		ug/kg	9.1	--	1
4-Methyl-2-pentanone	ND		ug/kg	9.1	--	1
2-Hexanone	ND		ug/kg	9.1	--	1
Bromochloromethane	ND		ug/kg	1.8	--	1
Tetrahydrofuran	ND		ug/kg	3.6	--	1
2,2-Dichloropropane	ND		ug/kg	1.8	--	1
1,2-Dibromoethane	ND		ug/kg	0.91	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.45	--	1
Bromobenzene	ND		ug/kg	1.8	--	1
n-Butylbenzene	ND		ug/kg	0.91	--	1
sec-Butylbenzene	ND		ug/kg	0.91	--	1
tert-Butylbenzene	ND		ug/kg	1.8	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.8	--	1
o-Chlorotoluene	ND		ug/kg	1.8	--	1
p-Chlorotoluene	ND		ug/kg	1.8	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.7	--	1
Hexachlorobutadiene	ND		ug/kg	3.6	--	1
Isopropylbenzene	ND		ug/kg	0.91	--	1
p-Isopropyltoluene	ND		ug/kg	0.91	--	1
Naphthalene	ND		ug/kg	3.6	--	1
n-Propylbenzene	ND		ug/kg	0.91	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1927881

Project Number: 231841 **Report Date:** 07/03/19

SAMPLE RESULTS

Lab ID: L1927881-01 Date Collected: 06/24/19 16:30

Client ID: SB19-01 (25-26) Date Received: 06/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	--	1
Ethyl ether	ND		ug/kg	1.8	--	1
Isopropyl Ether	ND		ug/kg	1.8	--	1
Tert-Butyl Alcohol	ND		ug/kg	18	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.8	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.8	--	1
1,4-Dioxane	ND		ug/kg	73	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	98		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1927881

Project Number: 231841 **Report Date:** 07/03/19

SAMPLE RESULTS

Lab ID: L1927881-02
Client ID: SB19-02 (49-51)
Sample Location: SALEM, NH

Date Collected: 06/25/19 15:05
Date Received: 06/26/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/29/19 12:39
Analyst: AD
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.2	--	1
1,1-Dichloroethane	ND		ug/kg	0.64	--	1
Chloroform	ND		ug/kg	0.96	--	1
Carbon tetrachloride	ND		ug/kg	0.64	--	1
1,2-Dichloropropane	ND		ug/kg	0.64	--	1
Dibromochloromethane	ND		ug/kg	0.64	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.64	--	1
Tetrachloroethene	ND		ug/kg	0.32	--	1
Chlorobenzene	ND		ug/kg	0.32	--	1
Trichlorofluoromethane	ND		ug/kg	2.6	--	1
1,2-Dichloroethane	ND		ug/kg	0.64	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.32	--	1
Bromodichloromethane	ND		ug/kg	0.32	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.64	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.32	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.32	--	1
1,1-Dichloropropene	ND		ug/kg	0.32	--	1
Bromoform	ND		ug/kg	2.6	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.32	--	1
Benzene	ND		ug/kg	0.32	--	1
Toluene	ND		ug/kg	0.64	--	1
Ethylbenzene	ND		ug/kg	0.64	--	1
Chloromethane	ND		ug/kg	2.6	--	1
Bromomethane	ND		ug/kg	1.3	--	1
Vinyl chloride	0.69		ug/kg	0.64	--	1
Chloroethane	ND		ug/kg	1.3	--	1
1,1-Dichloroethene	ND		ug/kg	0.64	--	1
trans-1,2-Dichloroethene	ND		ug/kg	0.96	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1927881

Project Number: 231841 **Report Date:** 07/03/19

SAMPLE RESULTS

Lab ID: L1927881-02 Date Collected: 06/25/19 15:05

Client ID: SB19-02 (49-51) Date Received: 06/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	20		ug/kg	0.32	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.3	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.3	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.3	--	1
Methyl tert butyl ether	ND		ug/kg	1.3	--	1
p/m-Xylene	ND		ug/kg	1.3	--	1
o-Xylene	ND		ug/kg	0.64	--	1
Xylenes, Total	ND		ug/kg	0.64	--	1
cis-1,2-Dichloroethene	13		ug/kg	0.64	--	1
1,2-Dichloroethene, Total	13		ug/kg	0.64	--	1
Dibromomethane	ND		ug/kg	1.3	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.3	--	1
Styrene	ND		ug/kg	0.64	--	1
Dichlorodifluoromethane	ND		ug/kg	6.4	--	1
Acetone	ND		ug/kg	6.4	--	1
Carbon disulfide	ND		ug/kg	6.4	--	1
2-Butanone	ND		ug/kg	6.4	--	1
4-Methyl-2-pentanone	ND		ug/kg	6.4	--	1
2-Hexanone	ND		ug/kg	6.4	--	1
Bromochloromethane	ND		ug/kg	1.3	--	1
Tetrahydrofuran	ND		ug/kg	2.6	--	1
2,2-Dichloropropane	ND		ug/kg	1.3	--	1
1,2-Dibromoethane	ND		ug/kg	0.64	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.32	--	1
Bromobenzene	ND		ug/kg	1.3	--	1
n-Butylbenzene	ND		ug/kg	0.64	--	1
sec-Butylbenzene	ND		ug/kg	0.64	--	1
tert-Butylbenzene	ND		ug/kg	1.3	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.3	--	1
o-Chlorotoluene	ND		ug/kg	1.3	--	1
p-Chlorotoluene	ND		ug/kg	1.3	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	1.9	--	1
Hexachlorobutadiene	ND		ug/kg	2.6	--	1
Isopropylbenzene	ND		ug/kg	0.64	--	1
p-Isopropyltoluene	ND		ug/kg	0.64	--	1
Naphthalene	ND		ug/kg	2.6	--	1
n-Propylbenzene	ND		ug/kg	0.64	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1927881

Project Number: 231841 **Report Date:** 07/03/19

SAMPLE RESULTS

Lab ID: L1927881-02 Date Collected: 06/25/19 15:05

Client ID: SB19-02 (49-51) Date Received: 06/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.3	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.3	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.3	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.3	--	1
Ethyl ether	ND		ug/kg	1.3	--	1
Isopropyl Ether	ND		ug/kg	1.3	--	1
Tert-Butyl Alcohol	ND		ug/kg	13	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.3	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.3	--	1
1,4-Dioxane	ND		ug/kg	51	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	98		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1927881

Project Number: 231841 **Report Date:** 07/03/19

SAMPLE RESULTS

Lab ID: L1927881-03 Date Collected: 06/19/19 13:55
Client ID: TRIP BLANK Date Received: 06/26/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/29/19 13:05
Analyst: AD
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	--	1
1,1-Dichloroethane	ND		ug/kg	1.0	--	1
Chloroform	ND		ug/kg	1.5	--	1
Carbon tetrachloride	ND		ug/kg	1.0	--	1
1,2-Dichloropropane	ND		ug/kg	1.0	--	1
Dibromochloromethane	ND		ug/kg	1.0	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	--	1
Tetrachloroethene	ND		ug/kg	0.50	--	1
Chlorobenzene	ND		ug/kg	0.50	--	1
Trichlorofluoromethane	ND		ug/kg	4.0	--	1
1,2-Dichloroethane	ND		ug/kg	1.0	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	--	1
Bromodichloromethane	ND		ug/kg	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--	1
1,1-Dichloropropene	ND		ug/kg	0.50	--	1
Bromoform	ND		ug/kg	4.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--	1
Benzene	ND		ug/kg	0.50	--	1
Toluene	ND		ug/kg	1.0	--	1
Ethylbenzene	ND		ug/kg	1.0	--	1
Chloromethane	ND		ug/kg	4.0	--	1
Bromomethane	ND		ug/kg	2.0	--	1
Vinyl chloride	ND		ug/kg	1.0	--	1
Chloroethane	ND		ug/kg	2.0	--	1
1,1-Dichloroethene	ND		ug/kg	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1927881

Project Number: 231841 **Report Date:** 07/03/19

SAMPLE RESULTS

Lab ID: L1927881-03 Date Collected: 06/19/19 13:55

Client ID: TRIP BLANK Date Received: 06/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.50	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	--	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	--	1
Methyl tert butyl ether	ND		ug/kg	2.0	--	1
p/m-Xylene	ND		ug/kg	2.0	--	1
o-Xylene	ND		ug/kg	1.0	--	1
Xylenes, Total	ND		ug/kg	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--	1
Dibromomethane	ND		ug/kg	2.0	--	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	--	1
Styrene	ND		ug/kg	1.0	--	1
Dichlorodifluoromethane	ND		ug/kg	10	--	1
Acetone	ND		ug/kg	10	--	1
Carbon disulfide	ND		ug/kg	10	--	1
2-Butanone	ND		ug/kg	10	--	1
4-Methyl-2-pentanone	ND		ug/kg	10	--	1
2-Hexanone	ND		ug/kg	10	--	1
Bromochloromethane	ND		ug/kg	2.0	--	1
Tetrahydrofuran	ND		ug/kg	4.0	--	1
2,2-Dichloropropane	ND		ug/kg	2.0	--	1
1,2-Dibromoethane	ND		ug/kg	1.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--	1
Bromobenzene	ND		ug/kg	2.0	--	1
n-Butylbenzene	ND		ug/kg	1.0	--	1
sec-Butylbenzene	ND		ug/kg	1.0	--	1
tert-Butylbenzene	ND		ug/kg	2.0	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	2.0	--	1
o-Chlorotoluene	ND		ug/kg	2.0	--	1
p-Chlorotoluene	ND		ug/kg	2.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--	1
Hexachlorobutadiene	ND		ug/kg	4.0	--	1
Isopropylbenzene	ND		ug/kg	1.0	--	1
p-Isopropyltoluene	ND		ug/kg	1.0	--	1
Naphthalene	ND		ug/kg	4.0	--	1
n-Propylbenzene	ND		ug/kg	1.0	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1927881

Project Number: 231841 **Report Date:** 07/03/19

SAMPLE RESULTS

Lab ID: L1927881-03 Date Collected: 06/19/19 13:55

Client ID: TRIP BLANK Date Received: 06/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--	1
Ethyl ether	ND		ug/kg	2.0	--	1
Isopropyl Ether	ND		ug/kg	2.0	--	1
Tert-Butyl Alcohol	ND		ug/kg	20	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--	1
1,4-Dioxane	ND		ug/kg	80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	100		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1927881

Project Number: 231841 **Report Date:** 07/03/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/29/19 08:38
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03 Batch: WG1255140-5					
Methylene chloride	ND		ug/kg	5.0	--
1,1-Dichloroethane	ND		ug/kg	1.0	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	1.0	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.0	--
Tetrachloroethene	ND		ug/kg	0.50	--
Chlorobenzene	ND		ug/kg	0.50	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	0.50	--
Bromodichloromethane	ND		ug/kg	0.50	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--
1,1-Dichloropropene	ND		ug/kg	0.50	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--
Benzene	ND		ug/kg	0.50	--
Toluene	ND		ug/kg	1.0	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	1.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	0.50	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1927881

Project Number: 231841 **Report Date:** 07/03/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/29/19 08:38
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03 Batch: WG1255140-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	--
1,3-Dichlorobenzene	ND		ug/kg	2.0	--
1,4-Dichlorobenzene	ND		ug/kg	2.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	1.0	--
Xylenes, Total	ND		ug/kg	1.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	2.0	--
1,2,3-Trichloropropane	ND		ug/kg	2.0	--
Styrene	ND		ug/kg	1.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	10	--
Carbon disulfide	ND		ug/kg	10	--
2-Butanone	ND		ug/kg	10	--
4-Methyl-2-pentanone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Bromochloromethane	ND		ug/kg	2.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	2.0	--
1,2-Dibromoethane	ND		ug/kg	1.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--
Bromobenzene	ND		ug/kg	2.0	--
n-Butylbenzene	ND		ug/kg	1.0	--
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	2.0	--
1,3,5-Trichlorobenzene	ND		ug/kg	2.0	--
o-Chlorotoluene	ND		ug/kg	2.0	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1927881

Project Number: 231841 **Report Date:** 07/03/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/29/19 08:38
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03 Batch: WG1255140-5					
p-Chlorotoluene	ND		ug/kg	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--
Ethyl ether	ND		ug/kg	2.0	--
Isopropyl Ether	ND		ug/kg	2.0	--
Tert-Butyl Alcohol	ND		ug/kg	20	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--
1,4-Dioxane	ND		ug/kg	80	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 231841

Lab Number: L1927881

Report Date: 07/03/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03 Batch: WG1255140-3 WG1255140-4								
Methylene chloride	84		80		70-130	5		30
1,1-Dichloroethane	93		90		70-130	3		30
Chloroform	89		87		70-130	2		30
Carbon tetrachloride	74		72		70-130	3		30
1,2-Dichloropropane	92		91		70-130	1		30
Dibromochloromethane	90		89		70-130	1		30
1,1,2-Trichloroethane	98		96		70-130	2		30
Tetrachloroethene	86		82		70-130	5		30
Chlorobenzene	93		92		70-130	1		30
Trichlorofluoromethane	75		73		70-139	3		30
1,2-Dichloroethane	92		90		70-130	2		30
1,1,1-Trichloroethane	80		78		70-130	3		30
Bromodichloromethane	84		82		70-130	2		30
trans-1,3-Dichloropropene	94		91		70-130	3		30
cis-1,3-Dichloropropene	85		84		70-130	1		30
1,1-Dichloropropene	81		78		70-130	4		30
Bromoform	83		84		70-130	1		30
1,1,2,2-Tetrachloroethane	104		105		70-130	1		30
Benzene	86		85		70-130	1		30
Toluene	94		92		70-130	2		30
Ethylbenzene	95		93		70-130	2		30
Chloromethane	98		97		52-130	1		30
Bromomethane	95		96		57-147	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1927881
Report Date: 07/03/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03 Batch: WG1255140-3 WG1255140-4								
Vinyl chloride	90		88		67-130	2		30
Chloroethane	91		88		50-151	3		30
1,1-Dichloroethene	78		76		65-135	3		30
trans-1,2-Dichloroethene	83		81		70-130	2		30
Trichloroethene	79		78		70-130	1		30
1,2-Dichlorobenzene	99		98		70-130	1		30
1,3-Dichlorobenzene	98		97		70-130	1		30
1,4-Dichlorobenzene	96		94		70-130	2		30
Methyl tert butyl ether	86		84		66-130	2		30
p/m-Xylene	91		89		70-130	2		30
o-Xylene	90		89		70-130	1		30
cis-1,2-Dichloroethene	85		83		70-130	2		30
Dibromomethane	86		86		70-130	0		30
1,2,3-Trichloropropane	100		104		68-130	4		30
Styrene	91		88		70-130	3		30
Dichlorodifluoromethane	73		71		30-146	3		30
Acetone	112		110		54-140	2		30
Carbon disulfide	84		80		59-130	5		30
2-Butanone	81		77		70-130	5		30
4-Methyl-2-pentanone	95		96		70-130	1		30
2-Hexanone	98		95		70-130	3		30
Bromochloromethane	86		84		70-130	2		30
Tetrahydrofuran	91		102		66-130	11		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1927881
Report Date: 07/03/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03 Batch: WG1255140-3 WG1255140-4								
2,2-Dichloropropane	79		77		70-130	3		30
1,2-Dibromoethane	95		94		70-130	1		30
1,1,1,2-Tetrachloroethane	91		88		70-130	3		30
Bromobenzene	96		96		70-130	0		30
n-Butylbenzene	96		96		70-130	0		30
sec-Butylbenzene	93		93		70-130	0		30
tert-Butylbenzene	92		91		70-130	1		30
1,3,5-Trichlorobenzene	95		93		70-139	2		30
o-Chlorotoluene	101		102		70-130	1		30
p-Chlorotoluene	98		99		70-130	1		30
1,2-Dibromo-3-chloropropane	88		90		68-130	2		30
Hexachlorobutadiene	82		81		67-130	1		30
Isopropylbenzene	94		94		70-130	0		30
p-Isopropyltoluene	92		92		70-130	0		30
Naphthalene	94		95		70-130	1		30
n-Propylbenzene	96		96		70-130	0		30
1,2,3-Trichlorobenzene	95		93		70-130	2		30
1,2,4-Trichlorobenzene	94		93		70-130	1		30
1,3,5-Trimethylbenzene	96		96		70-130	0		30
1,2,4-Trimethylbenzene	96		96		70-130	0		30
Ethyl ether	89		86		67-130	3		30
Isopropyl Ether	93		92		66-130	1		30
Tert-Butyl Alcohol	82		84		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 231841

Lab Number: L1927881

Report Date: 07/03/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03 Batch: WG1255140-3 WG1255140-4								
Ethyl-Tert-Butyl-Ether	87		87		70-130	0		30
Tertiary-Amyl Methyl Ether	82		80		70-130	2		30
1,4-Dioxane	87		90		65-136	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	105		107		70-130
Toluene-d8	108		107		70-130
4-Bromofluorobenzene	100		102		70-130
Dibromofluoromethane	101		99		70-130

INORGANICS
&
MISCELLANEOUS

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1927881
Report Date: 07/03/19

SAMPLE RESULTS

Lab ID: L1927881-01
Client ID: SB19-01 (25-26)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 06/24/19 16:30
Date Received: 06/26/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.4		%	0.100	NA	1	-	06/27/19 04:31	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1927881
Report Date: 07/03/19

SAMPLE RESULTS

Lab ID: L1927881-02
Client ID: SB19-02 (49-51)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 06/25/19 15:05
Date Received: 06/26/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.3		%	0.100	NA	1	-	06/27/19 04:31	121,2540G	YA

Lab Duplicate Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 231841

Lab Number: L1927881

Report Date: 07/03/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1253669-1 QC Sample: L1927828-02 Client ID: DUP Sample						
Solids, Total	86.1	83.0	%	4		20

Project Name: SALEM FORMER WWTF
Project Number: 231841

Lab Number: L1927881
Report Date: 07/03/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1927881-01A	Vial MeOH preserved	A	NA		3.8	Y	Absent		8260HLW-NH(14)
L1927881-01B	Vial water preserved	A	NA		3.8	Y	Absent	24-JUN-19 18:00	8260HLW-NH(14)
L1927881-01C	Vial water preserved	A	NA		3.8	Y	Absent	24-JUN-19 18:00	8260HLW-NH(14)
L1927881-01D	Plastic 2oz unpreserved for TS	A	NA		3.8	Y	Absent		TS(7)
L1927881-02A	Vial MeOH preserved	A	NA		3.8	Y	Absent		8260HLW-NH(14)
L1927881-02B	Vial water preserved	A	NA		3.8	Y	Absent	26-JUN-19 19:16	8260HLW-NH(14)
L1927881-02C	Vial water preserved	A	NA		3.8	Y	Absent	26-JUN-19 19:16	8260HLW-NH(14)
L1927881-02D	Plastic 2oz unpreserved for TS	A	NA		3.8	Y	Absent		TS(7)
L1927881-03A	Vial MeOH preserved	A	NA		3.8	Y	Absent		8260HLW-NH(14)
L1927881-03B	Vial water preserved	A	NA		3.8	Y	Absent	**26-JUN-19 19:16**	8260HLW-NH(14)

*Values in parentheses indicate holding time in days

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1927881
Project Number:	231841	**Report Date:**	07/03/19

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: Data Usability Report

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1927881
Project Number:	231841	**Report Date:**	07/03/19

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: Data Usability Report

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1927881
Project Number:	231841	**Report Date:**	07/03/19

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

EPA 6860: SCM: Perchlorate

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 6/26/19

ALPHA Job #: L1927881

ALPHA ANALYTICAL
8 Walkup Drive, Westboro, MA 01581, Tel: 508-898-9220
320 Forbes Blvd, Mansfield, MA 02048, Tel: 508-822-9300

Client Information

Client: Woodard & Curran
Address: 40 Shattuck Rd
Andover, MA
Phone: 978-482-7905
Email: SOlney@woodardcurran.com

Additional Project Information:

Project Information

Project Name: Salem Former WWTF
Project Location: Salem, NH
Project #: 231841
Project Manager: Jarrod Yoder
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due:

Report Information - Data Deliverables

☒ ADEx ☒ EMAIL

Billing Information

☐ Same as Client Info PO #:

Regulatory Requirements & Project Information Requirements

☐ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods
☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
☐ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)
☐ Yes ☐ No NPDES RGP
☐ Other State /Fed Program _____ Criteria _____

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	ANALYSIS: VOC: ☒ 8260 ☐ 624 ☐ 524.2	SVOC: ☐ ABN ☐ PAH	METALS: ☐ MCP 13 ☐ MCP 14 ☐ RCP 15	METALS: ☐ RCRA5 ☐ RCRA8 ☐ PP13	EPH: ☐ Ranges & Targets ☐ Ranges Only	VPH: ☐ Ranges & Targets ☐ Ranges Only	☐ PCB ☐ PEST	TPH: ☐ Quant Only ☐ Fingerprint	Total solids	SAMPLE INFO: Filtration ☐ Field ☐ Lab to do; Preservation ☐ Lab to do; Sample Comments	TOTAL # BOTTLES
27881-01	SB19-01 (25-26)	6/24/19	1630	Soil	STO	X								X	Hold VOCs frozen 6/24 @1800	4
-02	SB19-02 (49-51)	6/25/19	1505	Soil	STO	X								X		4
-03	Trip Blank	6/19/19	1355	—	—	X										2

Container Type	V											P				
Preservative	F,D											A				

Container Type
P= Plastic
A= Amber glass
V= Vial
G= Glass
B= Bacteria cup
C= Cube
O= Other
E= Encore
D= BOD Bottle

Preservative
A= None
B= HCl
C= HNO_3
D= H_2SO_4
E= NaOH
F= MeOH
G= $NaHSO_4$
H = $Na_2S_2O_3$
I= Ascorbic Acid
J = NH_4Cl
K= Zn Acetate
O= Other

Relinquished By:	Date/Time	Received By:	Date/Time
	6/26/19 1233	ARL	6-26-19 12:33
ARL	6-26-19 16:45	ARL	6-26-19 1645

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)

ANALYTICAL REPORT

Lab Number:	L1927882
Client:	Woodard & Curran 40 Shattuck Road Suite 110 Andover, MA 01810
ATTN:	Jarrod Yoder
Phone:	(978) 557-8150
Project Name:	SALEM FORMER WWTF
Project Number:	231841
Report Date:	07/03/19

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: SALEM FORMER WWTF
Project Number: 231841

Lab Number: L1927882
Report Date: 07/03/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1927882-01	S-1	SOIL	SALEM, NH	06/26/19 08:50	06/26/19
L1927882-02	S-2	SOIL	SALEM, NH	06/26/19 08:55	06/26/19
L1927882-03	S-3	SOIL	SALEM, NH	06/26/19 09:00	06/26/19
L1927882-04	S-4	SOIL	SALEM, NH	06/26/19 09:05	06/26/19

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1927882
Project Number:	231841	**Report Date:**	07/03/19

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1927882
Report Date: 07/03/19

Case Narrative (continued)

Sample Receipt

The analyses performed were specified by the client.

Semivolatile Organics

The WG1255088-2/-3 LCS/LCSD recoveries are below the acceptance criteria for benzidine (4%/4%) and pyridine (8%/9%); however, they have been identified as "difficult" analytes. The results of the associated samples are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 07/03/19

ORGANICS

VOLATILES

Project Name: SALEM FORMER WWTF **Lab Number:** L1927882

Project Number: 231841 **Report Date:** 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-01 Date Collected: 06/26/19 08:50

Client ID: S-1 Date Received: 06/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 06/29/19 13:32

Analyst: AD

Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.1	--	1
1,1-Dichloroethane	ND		ug/kg	0.82	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.82	--	1
1,2-Dichloropropane	ND		ug/kg	0.82	--	1
Dibromochloromethane	ND		ug/kg	0.82	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.82	--	1
Tetrachloroethene	ND		ug/kg	0.41	--	1
Chlorobenzene	ND		ug/kg	0.41	--	1
Trichlorofluoromethane	ND		ug/kg	3.3	--	1
1,2-Dichloroethane	ND		ug/kg	0.82	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.41	--	1
Bromodichloromethane	ND		ug/kg	0.41	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.82	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.41	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.41	--	1
1,1-Dichloropropene	ND		ug/kg	0.41	--	1
Bromoform	ND		ug/kg	3.3	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.41	--	1
Benzene	ND		ug/kg	0.41	--	1
Toluene	ND		ug/kg	0.82	--	1
Ethylbenzene	ND		ug/kg	0.82	--	1
Chloromethane	ND		ug/kg	3.3	--	1
Bromomethane	ND		ug/kg	1.6	--	1
Vinyl chloride	ND		ug/kg	0.82	--	1
Chloroethane	ND		ug/kg	1.6	--	1
1,1-Dichloroethene	ND		ug/kg	0.82	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1927882

Project Number: 231841 **Report Date:** 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-01 Date Collected: 06/26/19 08:50

Client ID: S-1 Date Received: 06/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.41	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.6	--	1
Methyl tert butyl ether	ND		ug/kg	1.6	--	1
p/m-Xylene	ND		ug/kg	1.6	--	1
o-Xylene	ND		ug/kg	0.82	--	1
Xylenes, Total	ND		ug/kg	0.82	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.82	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.82	--	1
Dibromomethane	ND		ug/kg	1.6	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.6	--	1
Styrene	ND		ug/kg	0.82	--	1
Dichlorodifluoromethane	ND		ug/kg	8.2	--	1
Acetone	ND		ug/kg	8.2	--	1
Carbon disulfide	ND		ug/kg	8.2	--	1
2-Butanone	ND		ug/kg	8.2	--	1
4-Methyl-2-pentanone	ND		ug/kg	8.2	--	1
2-Hexanone	ND		ug/kg	8.2	--	1
Bromochloromethane	ND		ug/kg	1.6	--	1
Tetrahydrofuran	ND		ug/kg	3.3	--	1
2,2-Dichloropropane	ND		ug/kg	1.6	--	1
1,2-Dibromoethane	ND		ug/kg	0.82	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.41	--	1
Bromobenzene	ND		ug/kg	1.6	--	1
n-Butylbenzene	ND		ug/kg	0.82	--	1
sec-Butylbenzene	ND		ug/kg	0.82	--	1
tert-Butylbenzene	ND		ug/kg	1.6	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.6	--	1
o-Chlorotoluene	ND		ug/kg	1.6	--	1
p-Chlorotoluene	ND		ug/kg	1.6	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.5	--	1
Hexachlorobutadiene	ND		ug/kg	3.3	--	1
Isopropylbenzene	ND		ug/kg	0.82	--	1
p-Isopropyltoluene	ND		ug/kg	0.82	--	1
Naphthalene	ND		ug/kg	3.3	--	1
n-Propylbenzene	ND		ug/kg	0.82	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1927882

Project Number: 231841 **Report Date:** 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-01 Date Collected: 06/26/19 08:50

Client ID: S-1 Date Received: 06/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.6	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.6	--	1
Ethyl ether	ND		ug/kg	1.6	--	1
Isopropyl Ether	ND		ug/kg	1.6	--	1
Tert-Butyl Alcohol	ND		ug/kg	16	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.6	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.6	--	1
1,4-Dioxane	ND		ug/kg	66	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	99		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1927882

Project Number: 231841 **Report Date:** 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-02
Client ID: S-2
Sample Location: SALEM, NH

Date Collected: 06/26/19 08:55
Date Received: 06/26/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/29/19 13:59
Analyst: AD
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.2	--	1
1,1-Dichloroethane	ND		ug/kg	0.84	--	1
Chloroform	ND		ug/kg	1.3	--	1
Carbon tetrachloride	ND		ug/kg	0.84	--	1
1,2-Dichloropropane	ND		ug/kg	0.84	--	1
Dibromochloromethane	ND		ug/kg	0.84	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.84	--	1
Tetrachloroethene	ND		ug/kg	0.42	--	1
Chlorobenzene	ND		ug/kg	0.42	--	1
Trichlorofluoromethane	ND		ug/kg	3.4	--	1
1,2-Dichloroethane	ND		ug/kg	0.84	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.42	--	1
Bromodichloromethane	ND		ug/kg	0.42	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.84	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.42	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.42	--	1
1,1-Dichloropropene	ND		ug/kg	0.42	--	1
Bromoform	ND		ug/kg	3.4	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.42	--	1
Benzene	ND		ug/kg	0.42	--	1
Toluene	ND		ug/kg	0.84	--	1
Ethylbenzene	ND		ug/kg	0.84	--	1
Chloromethane	ND		ug/kg	3.4	--	1
Bromomethane	ND		ug/kg	1.7	--	1
Vinyl chloride	ND		ug/kg	0.84	--	1
Chloroethane	ND		ug/kg	1.7	--	1
1,1-Dichloroethene	ND		ug/kg	0.84	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1927882

Project Number: 231841 **Report Date:** 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-02 Date Collected: 06/26/19 08:55

Client ID: S-2 Date Received: 06/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.42	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.7	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.7	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.7	--	1
Methyl tert butyl ether	ND		ug/kg	1.7	--	1
p/m-Xylene	ND		ug/kg	1.7	--	1
o-Xylene	ND		ug/kg	0.84	--	1
Xylenes, Total	ND		ug/kg	0.84	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.84	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.84	--	1
Dibromomethane	ND		ug/kg	1.7	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.7	--	1
Styrene	ND		ug/kg	0.84	--	1
Dichlorodifluoromethane	ND		ug/kg	8.4	--	1
Acetone	ND		ug/kg	8.4	--	1
Carbon disulfide	ND		ug/kg	8.4	--	1
2-Butanone	ND		ug/kg	8.4	--	1
4-Methyl-2-pentanone	ND		ug/kg	8.4	--	1
2-Hexanone	ND		ug/kg	8.4	--	1
Bromochloromethane	ND		ug/kg	1.7	--	1
Tetrahydrofuran	ND		ug/kg	3.4	--	1
2,2-Dichloropropane	ND		ug/kg	1.7	--	1
1,2-Dibromoethane	ND		ug/kg	0.84	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.42	--	1
Bromobenzene	ND		ug/kg	1.7	--	1
n-Butylbenzene	ND		ug/kg	0.84	--	1
sec-Butylbenzene	ND		ug/kg	0.84	--	1
tert-Butylbenzene	ND		ug/kg	1.7	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.7	--	1
o-Chlorotoluene	ND		ug/kg	1.7	--	1
p-Chlorotoluene	ND		ug/kg	1.7	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.5	--	1
Hexachlorobutadiene	ND		ug/kg	3.4	--	1
Isopropylbenzene	ND		ug/kg	0.84	--	1
p-Isopropyltoluene	ND		ug/kg	0.84	--	1
Naphthalene	ND		ug/kg	3.4	--	1
n-Propylbenzene	ND		ug/kg	0.84	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1927882

Project Number: 231841 **Report Date:** 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-02 Date Collected: 06/26/19 08:55

Client ID: S-2 Date Received: 06/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.7	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.7	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.7	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.7	--	1
Ethyl ether	ND		ug/kg	1.7	--	1
Isopropyl Ether	ND		ug/kg	1.7	--	1
Tert-Butyl Alcohol	ND		ug/kg	17	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.7	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.7	--	1
1,4-Dioxane	ND		ug/kg	67	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	98		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1927882

Project Number: 231841 **Report Date:** 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-03 Date Collected: 06/26/19 09:00
Client ID: S-3 Date Received: 06/26/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/29/19 14:26
Analyst: AD
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.8	--	1
1,1-Dichloroethane	ND		ug/kg	0.76	--	1
Chloroform	ND		ug/kg	1.1	--	1
Carbon tetrachloride	ND		ug/kg	0.76	--	1
1,2-Dichloropropane	ND		ug/kg	0.76	--	1
Dibromochloromethane	ND		ug/kg	0.76	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.76	--	1
Tetrachloroethene	ND		ug/kg	0.38	--	1
Chlorobenzene	ND		ug/kg	0.38	--	1
Trichlorofluoromethane	ND		ug/kg	3.0	--	1
1,2-Dichloroethane	ND		ug/kg	0.76	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.38	--	1
Bromodichloromethane	ND		ug/kg	0.38	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.76	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.38	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.38	--	1
1,1-Dichloropropene	ND		ug/kg	0.38	--	1
Bromoform	ND		ug/kg	3.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.38	--	1
Benzene	ND		ug/kg	0.38	--	1
Toluene	ND		ug/kg	0.76	--	1
Ethylbenzene	ND		ug/kg	0.76	--	1
Chloromethane	ND		ug/kg	3.0	--	1
Bromomethane	ND		ug/kg	1.5	--	1
Vinyl chloride	ND		ug/kg	0.76	--	1
Chloroethane	ND		ug/kg	1.5	--	1
1,1-Dichloroethene	ND		ug/kg	0.76	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.1	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1927882

Project Number: 231841 **Report Date:** 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-03 Date Collected: 06/26/19 09:00

Client ID: S-3 Date Received: 06/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.38	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.5	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.5	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.5	--	1
Methyl tert butyl ether	ND		ug/kg	1.5	--	1
p/m-Xylene	ND		ug/kg	1.5	--	1
o-Xylene	ND		ug/kg	0.76	--	1
Xylenes, Total	ND		ug/kg	0.76	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.76	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.76	--	1
Dibromomethane	ND		ug/kg	1.5	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.5	--	1
Styrene	ND		ug/kg	0.76	--	1
Dichlorodifluoromethane	ND		ug/kg	7.6	--	1
Acetone	ND		ug/kg	7.6	--	1
Carbon disulfide	ND		ug/kg	7.6	--	1
2-Butanone	ND		ug/kg	7.6	--	1
4-Methyl-2-pentanone	ND		ug/kg	7.6	--	1
2-Hexanone	ND		ug/kg	7.6	--	1
Bromochloromethane	ND		ug/kg	1.5	--	1
Tetrahydrofuran	ND		ug/kg	3.0	--	1
2,2-Dichloropropane	ND		ug/kg	1.5	--	1
1,2-Dibromoethane	ND		ug/kg	0.76	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.38	--	1
Bromobenzene	ND		ug/kg	1.5	--	1
n-Butylbenzene	ND		ug/kg	0.76	--	1
sec-Butylbenzene	ND		ug/kg	0.76	--	1
tert-Butylbenzene	ND		ug/kg	1.5	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.5	--	1
o-Chlorotoluene	ND		ug/kg	1.5	--	1
p-Chlorotoluene	ND		ug/kg	1.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.3	--	1
Hexachlorobutadiene	ND		ug/kg	3.0	--	1
Isopropylbenzene	ND		ug/kg	0.76	--	1
p-Isopropyltoluene	ND		ug/kg	0.76	--	1
Naphthalene	ND		ug/kg	3.0	--	1
n-Propylbenzene	ND		ug/kg	0.76	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1927882

Project Number: 231841 **Report Date:** 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-03 Date Collected: 06/26/19 09:00

Client ID: S-3 Date Received: 06/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.5	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.5	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.5	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.5	--	1
Ethyl ether	ND		ug/kg	1.5	--	1
Isopropyl Ether	ND		ug/kg	1.5	--	1
Tert-Butyl Alcohol	ND		ug/kg	15	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.5	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.5	--	1
1,4-Dioxane	ND		ug/kg	61	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	98		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1927882

Project Number: 231841 **Report Date:** 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-04 Date Collected: 06/26/19 09:05
Client ID: S-4 Date Received: 06/26/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/29/19 14:53
Analyst: AD
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.5	--	1
1,1-Dichloroethane	ND		ug/kg	0.70	--	1
Chloroform	ND		ug/kg	1.0	--	1
Carbon tetrachloride	ND		ug/kg	0.70	--	1
1,2-Dichloropropane	ND		ug/kg	0.70	--	1
Dibromochloromethane	ND		ug/kg	0.70	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.70	--	1
Tetrachloroethene	ND		ug/kg	0.35	--	1
Chlorobenzene	ND		ug/kg	0.35	--	1
Trichlorofluoromethane	ND		ug/kg	2.8	--	1
1,2-Dichloroethane	ND		ug/kg	0.70	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.35	--	1
Bromodichloromethane	ND		ug/kg	0.35	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.70	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.35	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.35	--	1
1,1-Dichloropropene	ND		ug/kg	0.35	--	1
Bromoform	ND		ug/kg	2.8	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.35	--	1
Benzene	ND		ug/kg	0.35	--	1
Toluene	ND		ug/kg	0.70	--	1
Ethylbenzene	ND		ug/kg	0.70	--	1
Chloromethane	ND		ug/kg	2.8	--	1
Bromomethane	ND		ug/kg	1.4	--	1
Vinyl chloride	ND		ug/kg	0.70	--	1
Chloroethane	ND		ug/kg	1.4	--	1
1,1-Dichloroethene	ND		ug/kg	0.70	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.0	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1927882

Project Number: 231841 **Report Date:** 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-04 Date Collected: 06/26/19 09:05

Client ID: S-4 Date Received: 06/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.35	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.4	--	1
Methyl tert butyl ether	ND		ug/kg	1.4	--	1
p/m-Xylene	ND		ug/kg	1.4	--	1
o-Xylene	ND		ug/kg	0.70	--	1
Xylenes, Total	ND		ug/kg	0.70	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.70	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.70	--	1
Dibromomethane	ND		ug/kg	1.4	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.4	--	1
Styrene	ND		ug/kg	0.70	--	1
Dichlorodifluoromethane	ND		ug/kg	7.0	--	1
Acetone	ND		ug/kg	7.0	--	1
Carbon disulfide	ND		ug/kg	7.0	--	1
2-Butanone	ND		ug/kg	7.0	--	1
4-Methyl-2-pentanone	ND		ug/kg	7.0	--	1
2-Hexanone	ND		ug/kg	7.0	--	1
Bromochloromethane	ND		ug/kg	1.4	--	1
Tetrahydrofuran	ND		ug/kg	2.8	--	1
2,2-Dichloropropane	ND		ug/kg	1.4	--	1
1,2-Dibromoethane	ND		ug/kg	0.70	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.35	--	1
Bromobenzene	ND		ug/kg	1.4	--	1
n-Butylbenzene	ND		ug/kg	0.70	--	1
sec-Butylbenzene	ND		ug/kg	0.70	--	1
tert-Butylbenzene	ND		ug/kg	1.4	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.4	--	1
o-Chlorotoluene	ND		ug/kg	1.4	--	1
p-Chlorotoluene	ND		ug/kg	1.4	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.1	--	1
Hexachlorobutadiene	ND		ug/kg	2.8	--	1
Isopropylbenzene	ND		ug/kg	0.70	--	1
p-Isopropyltoluene	ND		ug/kg	0.70	--	1
Naphthalene	ND		ug/kg	2.8	--	1
n-Propylbenzene	ND		ug/kg	0.70	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1927882

Project Number: 231841 **Report Date:** 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-04 Date Collected: 06/26/19 09:05

Client ID: S-4 Date Received: 06/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.4	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.4	--	1
Ethyl ether	ND		ug/kg	1.4	--	1
Isopropyl Ether	ND		ug/kg	1.4	--	1
Tert-Butyl Alcohol	ND		ug/kg	14	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.4	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.4	--	1
1,4-Dioxane	ND		ug/kg	56	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	102		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1927882

Project Number: 231841 **Report Date:** 07/03/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/29/19 08:38
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04 Batch: WG1255140-5					
Methylene chloride	ND		ug/kg	5.0	--
1,1-Dichloroethane	ND		ug/kg	1.0	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	1.0	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.0	--
Tetrachloroethene	ND		ug/kg	0.50	--
Chlorobenzene	ND		ug/kg	0.50	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	0.50	--
Bromodichloromethane	ND		ug/kg	0.50	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--
1,1-Dichloropropene	ND		ug/kg	0.50	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--
Benzene	ND		ug/kg	0.50	--
Toluene	ND		ug/kg	1.0	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	1.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	0.50	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1927882

Project Number: 231841 **Report Date:** 07/03/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/29/19 08:38
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04 Batch: WG1255140-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	--
1,3-Dichlorobenzene	ND		ug/kg	2.0	--
1,4-Dichlorobenzene	ND		ug/kg	2.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	1.0	--
Xylenes, Total	ND		ug/kg	1.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	2.0	--
1,2,3-Trichloropropane	ND		ug/kg	2.0	--
Styrene	ND		ug/kg	1.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	10	--
Carbon disulfide	ND		ug/kg	10	--
2-Butanone	ND		ug/kg	10	--
4-Methyl-2-pentanone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Bromochloromethane	ND		ug/kg	2.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	2.0	--
1,2-Dibromoethane	ND		ug/kg	1.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--
Bromobenzene	ND		ug/kg	2.0	--
n-Butylbenzene	ND		ug/kg	1.0	--
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	2.0	--
1,3,5-Trichlorobenzene	ND		ug/kg	2.0	--
o-Chlorotoluene	ND		ug/kg	2.0	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1927882

Project Number: 231841 **Report Date:** 07/03/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/29/19 08:38
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04 Batch: WG1255140-5					
p-Chlorotoluene	ND		ug/kg	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--
Ethyl ether	ND		ug/kg	2.0	--
Isopropyl Ether	ND		ug/kg	2.0	--
Tert-Butyl Alcohol	ND		ug/kg	20	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--
1,4-Dioxane	ND		ug/kg	80	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1927882
Report Date: 07/03/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG1255140-3 WG1255140-4								
Methylene chloride	84		80		70-130	5		30
1,1-Dichloroethane	93		90		70-130	3		30
Chloroform	89		87		70-130	2		30
Carbon tetrachloride	74		72		70-130	3		30
1,2-Dichloropropane	92		91		70-130	1		30
Dibromochloromethane	90		89		70-130	1		30
1,1,2-Trichloroethane	98		96		70-130	2		30
Tetrachloroethene	86		82		70-130	5		30
Chlorobenzene	93		92		70-130	1		30
Trichlorofluoromethane	75		73		70-139	3		30
1,2-Dichloroethane	92		90		70-130	2		30
1,1,1-Trichloroethane	80		78		70-130	3		30
Bromodichloromethane	84		82		70-130	2		30
trans-1,3-Dichloropropene	94		91		70-130	3		30
cis-1,3-Dichloropropene	85		84		70-130	1		30
1,1-Dichloropropene	81		78		70-130	4		30
Bromoform	83		84		70-130	1		30
1,1,2,2-Tetrachloroethane	104		105		70-130	1		30
Benzene	86		85		70-130	1		30
Toluene	94		92		70-130	2		30
Ethylbenzene	95		93		70-130	2		30
Chloromethane	98		97		52-130	1		30
Bromomethane	95		96		57-147	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1927882
Report Date: 07/03/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG1255140-3 WG1255140-4								
Vinyl chloride	90		88		67-130	2		30
Chloroethane	91		88		50-151	3		30
1,1-Dichloroethene	78		76		65-135	3		30
trans-1,2-Dichloroethene	83		81		70-130	2		30
Trichloroethene	79		78		70-130	1		30
1,2-Dichlorobenzene	99		98		70-130	1		30
1,3-Dichlorobenzene	98		97		70-130	1		30
1,4-Dichlorobenzene	96		94		70-130	2		30
Methyl tert butyl ether	86		84		66-130	2		30
p/m-Xylene	91		89		70-130	2		30
o-Xylene	90		89		70-130	1		30
cis-1,2-Dichloroethene	85		83		70-130	2		30
Dibromomethane	86		86		70-130	0		30
1,2,3-Trichloropropane	100		104		68-130	4		30
Styrene	91		88		70-130	3		30
Dichlorodifluoromethane	73		71		30-146	3		30
Acetone	112		110		54-140	2		30
Carbon disulfide	84		80		59-130	5		30
2-Butanone	81		77		70-130	5		30
4-Methyl-2-pentanone	95		96		70-130	1		30
2-Hexanone	98		95		70-130	3		30
Bromochloromethane	86		84		70-130	2		30
Tetrahydrofuran	91		102		66-130	11		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1927882
Report Date: 07/03/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG1255140-3 WG1255140-4								
2,2-Dichloropropane	79		77		70-130	3		30
1,2-Dibromoethane	95		94		70-130	1		30
1,1,1,2-Tetrachloroethane	91		88		70-130	3		30
Bromobenzene	96		96		70-130	0		30
n-Butylbenzene	96		96		70-130	0		30
sec-Butylbenzene	93		93		70-130	0		30
tert-Butylbenzene	92		91		70-130	1		30
1,3,5-Trichlorobenzene	95		93		70-139	2		30
o-Chlorotoluene	101		102		70-130	1		30
p-Chlorotoluene	98		99		70-130	1		30
1,2-Dibromo-3-chloropropane	88		90		68-130	2		30
Hexachlorobutadiene	82		81		67-130	1		30
Isopropylbenzene	94		94		70-130	0		30
p-Isopropyltoluene	92		92		70-130	0		30
Naphthalene	94		95		70-130	1		30
n-Propylbenzene	96		96		70-130	0		30
1,2,3-Trichlorobenzene	95		93		70-130	2		30
1,2,4-Trichlorobenzene	94		93		70-130	1		30
1,3,5-Trimethylbenzene	96		96		70-130	0		30
1,2,4-Trimethylbenzene	96		96		70-130	0		30
Ethyl ether	89		86		67-130	3		30
Isopropyl Ether	93		92		66-130	1		30
Tert-Butyl Alcohol	82		84		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 231841

Lab Number: L1927882

Report Date: 07/03/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG1255140-3 WG1255140-4								
Ethyl-Tert-Butyl-Ether	87		87		70-130	0		30
Tertiary-Amyl Methyl Ether	82		80		70-130	2		30
1,4-Dioxane	87		90		65-136	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	105		107		70-130
Toluene-d8	108		107		70-130
4-Bromofluorobenzene	100		102		70-130
Dibromofluoromethane	101		99		70-130

SEMIVOLATILES

Project Name: SALEM FORMER WWTF **Lab Number:** L1927882

Project Number: 231841 **Report Date:** 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-01
Client ID: S-1
Sample Location: SALEM, NH

Date Collected: 06/26/19 08:50
Date Received: 06/26/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/03/19 05:36
Analyst: CB
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 07/01/19 18:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	--	1
Benzidine	ND		ug/kg	560	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	--	1
Hexachlorobenzene	ND		ug/kg	100	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	--	1
2-Chloronaphthalene	ND		ug/kg	170	--	1
1,2-Dichlorobenzene	ND		ug/kg	170	--	1
1,3-Dichlorobenzene	ND		ug/kg	170	--	1
1,4-Dichlorobenzene	ND		ug/kg	170	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	--	1
2,4-Dinitrotoluene	ND		ug/kg	170	--	1
2,6-Dinitrotoluene	ND		ug/kg	170	--	1
Azobenzene	ND		ug/kg	170	--	1
Fluoranthene	1100		ug/kg	100	--	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	--	1
Hexachlorobutadiene	ND		ug/kg	170	--	1
Hexachlorocyclopentadiene	ND		ug/kg	490	--	1
Hexachloroethane	ND		ug/kg	140	--	1
Isophorone	ND		ug/kg	150	--	1
Naphthalene	ND		ug/kg	170	--	1
Nitrobenzene	ND		ug/kg	150	--	1
NDPA/DPA	ND		ug/kg	140	--	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	--	1
Butyl benzyl phthalate	ND		ug/kg	170	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1927882

Project Number: 231841 **Report Date:** 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-01 Date Collected: 06/26/19 08:50

Client ID: S-1 Date Received: 06/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	170	--	1
Di-n-octylphthalate	ND		ug/kg	170	--	1
Diethyl phthalate	ND		ug/kg	170	--	1
Dimethyl phthalate	ND		ug/kg	170	--	1
Benzo(a)anthracene	1100		ug/kg	100	--	1
Benzo(a)pyrene	1500		ug/kg	140	--	1
Benzo(b)fluoranthene	1800		ug/kg	100	--	1
Benzo(k)fluoranthene	520		ug/kg	100	--	1
Chrysene	840		ug/kg	100	--	1
Acenaphthylene	360		ug/kg	140	--	1
Anthracene	180		ug/kg	100	--	1
Benzo(ghi)perylene	980		ug/kg	140	--	1
Fluorene	ND		ug/kg	170	--	1
Phenanthrene	190		ug/kg	100	--	1
Dibenzo(a,h)anthracene	250		ug/kg	100	--	1
Indeno(1,2,3-cd)pyrene	1100		ug/kg	140	--	1
Pyrene	1100		ug/kg	100	--	1
Biphenyl	ND		ug/kg	390	--	1
Aniline	ND		ug/kg	200	--	1
4-Chloroaniline	ND		ug/kg	170	--	1
1-Methylnaphthalene	ND		ug/kg	170	--	1
2-Nitroaniline	ND		ug/kg	170	--	1
3-Nitroaniline	ND		ug/kg	170	--	1
4-Nitroaniline	ND		ug/kg	170	--	1
Dibenzofuran	ND		ug/kg	170	--	1
2-Methylnaphthalene	ND		ug/kg	200	--	1
n-Nitrosodimethylamine	ND		ug/kg	340	--	1
2,4,6-Trichlorophenol	ND		ug/kg	100	--	1
p-Chloro-m-cresol	ND		ug/kg	170	--	1
2-Chlorophenol	ND		ug/kg	170	--	1
2,4-Dichlorophenol	ND		ug/kg	150	--	1
2,4-Dimethylphenol	ND		ug/kg	170	--	1
2-Nitrophenol	ND		ug/kg	370	--	1
4-Nitrophenol	ND		ug/kg	240	--	1
2,4-Dinitrophenol	ND		ug/kg	820	--	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	--	1
Pentachlorophenol	ND		ug/kg	140	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1927882

Project Number: 231841 **Report Date:** 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-01 Date Collected: 06/26/19 08:50

Client ID: S-1 Date Received: 06/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	170	--	1
2-Methylphenol	ND		ug/kg	170	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	--	1
2,4,5-Trichlorophenol	ND		ug/kg	170	--	1
Benzoic Acid	ND		ug/kg	550	--	1
Benzyl Alcohol	ND		ug/kg	170	--	1
Carbazole	ND		ug/kg	170	--	1
Pyridine	ND		ug/kg	180	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		25-120
Phenol-d6	52		10-120
Nitrobenzene-d5	52		23-120
2-Fluorobiphenyl	48		30-120
2,4,6-Tribromophenol	53		10-136
4-Terphenyl-d14	47		18-120

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1927882
Report Date: 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-02
Client ID: S-2
Sample Location: SALEM, NH

Date Collected: 06/26/19 08:55
Date Received: 06/26/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/03/19 06:01
Analyst: CB
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 07/01/19 18:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	--	1
Benzidine	ND		ug/kg	580	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	--	1
Hexachlorobenzene	ND		ug/kg	100	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	--	1
2-Chloronaphthalene	ND		ug/kg	180	--	1
1,2-Dichlorobenzene	ND		ug/kg	180	--	1
1,3-Dichlorobenzene	ND		ug/kg	180	--	1
1,4-Dichlorobenzene	ND		ug/kg	180	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	--	1
2,4-Dinitrotoluene	ND		ug/kg	180	--	1
2,6-Dinitrotoluene	ND		ug/kg	180	--	1
Azobenzene	ND		ug/kg	180	--	1
Fluoranthene	3600		ug/kg	100	--	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	--	1
Hexachlorobutadiene	ND		ug/kg	180	--	1
Hexachlorocyclopentadiene	ND		ug/kg	500	--	1
Hexachloroethane	ND		ug/kg	140	--	1
Isophorone	ND		ug/kg	160	--	1
Naphthalene	190		ug/kg	180	--	1
Nitrobenzene	ND		ug/kg	160	--	1
NDPA/DPA	ND		ug/kg	140	--	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	--	1
Butyl benzyl phthalate	ND		ug/kg	180	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1927882

Project Number: 231841 **Report Date:** 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-02 Date Collected: 06/26/19 08:55

Client ID: S-2 Date Received: 06/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	180	--	1
Di-n-octylphthalate	ND		ug/kg	180	--	1
Diethyl phthalate	ND		ug/kg	180	--	1
Dimethyl phthalate	ND		ug/kg	180	--	1
Benzo(a)anthracene	2900		ug/kg	100	--	1
Benzo(a)pyrene	3200		ug/kg	140	--	1
Benzo(b)fluoranthene	4200		ug/kg	100	--	1
Benzo(k)fluoranthene	890		ug/kg	100	--	1
Chrysene	2100		ug/kg	100	--	1
Acenaphthylene	750		ug/kg	140	--	1
Anthracene	770		ug/kg	100	--	1
Benzo(ghi)perylene	2000		ug/kg	140	--	1
Fluorene	ND		ug/kg	180	--	1
Phenanthrene	1400		ug/kg	100	--	1
Dibenzo(a,h)anthracene	520		ug/kg	100	--	1
Indeno(1,2,3-cd)pyrene	2300		ug/kg	140	--	1
Pyrene	3100		ug/kg	100	--	1
Biphenyl	ND		ug/kg	400	--	1
Aniline	ND		ug/kg	210	--	1
4-Chloroaniline	ND		ug/kg	180	--	1
1-Methylnaphthalene	ND		ug/kg	180	--	1
2-Nitroaniline	ND		ug/kg	180	--	1
3-Nitroaniline	ND		ug/kg	180	--	1
4-Nitroaniline	ND		ug/kg	180	--	1
Dibenzofuran	ND		ug/kg	180	--	1
2-Methylnaphthalene	ND		ug/kg	210	--	1
n-Nitrosodimethylamine	ND		ug/kg	350	--	1
2,4,6-Trichlorophenol	ND		ug/kg	100	--	1
p-Chloro-m-cresol	ND		ug/kg	180	--	1
2-Chlorophenol	ND		ug/kg	180	--	1
2,4-Dichlorophenol	ND		ug/kg	160	--	1
2,4-Dimethylphenol	ND		ug/kg	180	--	1
2-Nitrophenol	ND		ug/kg	380	--	1
4-Nitrophenol	ND		ug/kg	240	--	1
2,4-Dinitrophenol	ND		ug/kg	840	--	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	--	1
Pentachlorophenol	ND		ug/kg	140	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1927882

Project Number: 231841 **Report Date:** 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-02 Date Collected: 06/26/19 08:55

Client ID: S-2 Date Received: 06/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	180	--	1
2-Methylphenol	ND		ug/kg	180	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	--	1
2,4,5-Trichlorophenol	ND		ug/kg	180	--	1
Benzoic Acid	ND		ug/kg	570	--	1
Benzyl Alcohol	ND		ug/kg	180	--	1
Carbazole	ND		ug/kg	180	--	1
Pyridine	ND		ug/kg	190	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	88		10-136
4-Terphenyl-d14	80		18-120

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1927882
Report Date: 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-03
Client ID: S-3
Sample Location: SALEM, NH

Date Collected: 06/26/19 09:00
Date Received: 06/26/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/03/19 06:27
Analyst: CB
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 07/01/19 18:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	--	1
Benzidine	ND		ug/kg	590	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	--	1
Hexachlorobenzene	ND		ug/kg	110	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	--	1
2-Chloronaphthalene	ND		ug/kg	180	--	1
1,2-Dichlorobenzene	ND		ug/kg	180	--	1
1,3-Dichlorobenzene	ND		ug/kg	180	--	1
1,4-Dichlorobenzene	ND		ug/kg	180	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	--	1
2,4-Dinitrotoluene	ND		ug/kg	180	--	1
2,6-Dinitrotoluene	ND		ug/kg	180	--	1
Azobenzene	ND		ug/kg	180	--	1
Fluoranthene	1200		ug/kg	110	--	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	--	1
Hexachlorobutadiene	ND		ug/kg	180	--	1
Hexachlorocyclopentadiene	ND		ug/kg	510	--	1
Hexachloroethane	ND		ug/kg	140	--	1
Isophorone	ND		ug/kg	160	--	1
Naphthalene	ND		ug/kg	180	--	1
Nitrobenzene	ND		ug/kg	160	--	1
NDPA/DPA	ND		ug/kg	140	--	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	--	1
Butyl benzyl phthalate	ND		ug/kg	180	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1927882

Project Number: 231841 **Report Date:** 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-03 Date Collected: 06/26/19 09:00

Client ID: S-3 Date Received: 06/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	180	--	1
Di-n-octylphthalate	ND		ug/kg	180	--	1
Diethyl phthalate	ND		ug/kg	180	--	1
Dimethyl phthalate	ND		ug/kg	180	--	1
Benzo(a)anthracene	1200		ug/kg	110	--	1
Benzo(a)pyrene	1600		ug/kg	140	--	1
Benzo(b)fluoranthene	2100		ug/kg	110	--	1
Benzo(k)fluoranthene	500		ug/kg	110	--	1
Chrysene	980		ug/kg	110	--	1
Acenaphthylene	400		ug/kg	140	--	1
Anthracene	300		ug/kg	110	--	1
Benzo(ghi)perylene	1000		ug/kg	140	--	1
Fluorene	ND		ug/kg	180	--	1
Phenanthrene	190		ug/kg	110	--	1
Dibenzo(a,h)anthracene	260		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	1200		ug/kg	140	--	1
Pyrene	1100		ug/kg	110	--	1
Biphenyl	ND		ug/kg	400	--	1
Aniline	ND		ug/kg	210	--	1
4-Chloroaniline	ND		ug/kg	180	--	1
1-Methylnaphthalene	ND		ug/kg	180	--	1
2-Nitroaniline	ND		ug/kg	180	--	1
3-Nitroaniline	ND		ug/kg	180	--	1
4-Nitroaniline	ND		ug/kg	180	--	1
Dibenzofuran	ND		ug/kg	180	--	1
2-Methylnaphthalene	ND		ug/kg	210	--	1
n-Nitrosodimethylamine	ND		ug/kg	360	--	1
2,4,6-Trichlorophenol	ND		ug/kg	110	--	1
p-Chloro-m-cresol	ND		ug/kg	180	--	1
2-Chlorophenol	ND		ug/kg	180	--	1
2,4-Dichlorophenol	ND		ug/kg	160	--	1
2,4-Dimethylphenol	ND		ug/kg	180	--	1
2-Nitrophenol	ND		ug/kg	380	--	1
4-Nitrophenol	ND		ug/kg	250	--	1
2,4-Dinitrophenol	ND		ug/kg	850	--	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	--	1
Pentachlorophenol	ND		ug/kg	140	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1927882

Project Number: 231841 **Report Date:** 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-03 Date Collected: 06/26/19 09:00

Client ID: S-3 Date Received: 06/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	180	--	1
2-Methylphenol	ND		ug/kg	180	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	--	1
2,4,5-Trichlorophenol	ND		ug/kg	180	--	1
Benzoic Acid	ND		ug/kg	580	--	1
Benzyl Alcohol	ND		ug/kg	180	--	1
Carbazole	ND		ug/kg	180	--	1
Pyridine	ND		ug/kg	190	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		25-120
Phenol-d6	55		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	53		30-120
2,4,6-Tribromophenol	57		10-136
4-Terphenyl-d14	51		18-120

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1927882
Report Date: 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-04
Client ID: S-4
Sample Location: SALEM, NH

Date Collected: 06/26/19 09:05
Date Received: 06/26/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/03/19 06:53
Analyst: CB
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 07/01/19 18:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	--	1
Benzidine	ND		ug/kg	570	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	--	1
Hexachlorobenzene	ND		ug/kg	100	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	--	1
2-Chloronaphthalene	ND		ug/kg	170	--	1
1,2-Dichlorobenzene	ND		ug/kg	170	--	1
1,3-Dichlorobenzene	ND		ug/kg	170	--	1
1,4-Dichlorobenzene	ND		ug/kg	170	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	--	1
2,4-Dinitrotoluene	ND		ug/kg	170	--	1
2,6-Dinitrotoluene	ND		ug/kg	170	--	1
Azobenzene	ND		ug/kg	170	--	1
Fluoranthene	820		ug/kg	100	--	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	--	1
Hexachlorobutadiene	ND		ug/kg	170	--	1
Hexachlorocyclopentadiene	ND		ug/kg	500	--	1
Hexachloroethane	ND		ug/kg	140	--	1
Isophorone	ND		ug/kg	160	--	1
Naphthalene	ND		ug/kg	170	--	1
Nitrobenzene	ND		ug/kg	160	--	1
NDPA/DPA	ND		ug/kg	140	--	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	--	1
Butyl benzyl phthalate	ND		ug/kg	170	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1927882

Project Number: 231841 **Report Date:** 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-04 Date Collected: 06/26/19 09:05

Client ID: S-4 Date Received: 06/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	170	--	1
Di-n-octylphthalate	ND		ug/kg	170	--	1
Diethyl phthalate	ND		ug/kg	170	--	1
Dimethyl phthalate	ND		ug/kg	170	--	1
Benzo(a)anthracene	670		ug/kg	100	--	1
Benzo(a)pyrene	890		ug/kg	140	--	1
Benzo(b)fluoranthene	1000		ug/kg	100	--	1
Benzo(k)fluoranthene	390		ug/kg	100	--	1
Chrysene	560		ug/kg	100	--	1
Acenaphthylene	240		ug/kg	140	--	1
Anthracene	140		ug/kg	100	--	1
Benzo(ghi)perylene	590		ug/kg	140	--	1
Fluorene	ND		ug/kg	170	--	1
Phenanthrene	160		ug/kg	100	--	1
Dibenzo(a,h)anthracene	140		ug/kg	100	--	1
Indeno(1,2,3-cd)pyrene	650		ug/kg	140	--	1
Pyrene	780		ug/kg	100	--	1
Biphenyl	ND		ug/kg	400	--	1
Aniline	ND		ug/kg	210	--	1
4-Chloroaniline	ND		ug/kg	170	--	1
1-Methylnaphthalene	ND		ug/kg	170	--	1
2-Nitroaniline	ND		ug/kg	170	--	1
3-Nitroaniline	ND		ug/kg	170	--	1
4-Nitroaniline	ND		ug/kg	170	--	1
Dibenzofuran	ND		ug/kg	170	--	1
2-Methylnaphthalene	ND		ug/kg	210	--	1
n-Nitrosodimethylamine	ND		ug/kg	350	--	1
2,4,6-Trichlorophenol	ND		ug/kg	100	--	1
p-Chloro-m-cresol	ND		ug/kg	170	--	1
2-Chlorophenol	ND		ug/kg	170	--	1
2,4-Dichlorophenol	ND		ug/kg	160	--	1
2,4-Dimethylphenol	ND		ug/kg	170	--	1
2-Nitrophenol	ND		ug/kg	380	--	1
4-Nitrophenol	ND		ug/kg	240	--	1
2,4-Dinitrophenol	ND		ug/kg	840	--	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	--	1
Pentachlorophenol	ND		ug/kg	140	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1927882

Project Number: 231841 **Report Date:** 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-04 Date Collected: 06/26/19 09:05

Client ID: S-4 Date Received: 06/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	170	--	1
2-Methylphenol	ND		ug/kg	170	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	--	1
2,4,5-Trichlorophenol	ND		ug/kg	170	--	1
Benzoic Acid	ND		ug/kg	560	--	1
Benzyl Alcohol	ND		ug/kg	170	--	1
Carbazole	ND		ug/kg	170	--	1
Pyridine	ND		ug/kg	190	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		25-120
Phenol-d6	58		10-120
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	55		30-120
2,4,6-Tribromophenol	61		10-136
4-Terphenyl-d14	51		18-120

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1927882
Report Date: 07/03/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 07/02/19 13:11
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 07/01/19 02:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1255088-1					
Acenaphthene	ND		ug/kg	130	--
Benzidine	ND		ug/kg	550	--
1,2,4-Trichlorobenzene	ND		ug/kg	160	--
Hexachlorobenzene	ND		ug/kg	99	--
Bis(2-chloroethyl)ether	ND		ug/kg	150	--
2-Chloronaphthalene	ND		ug/kg	160	--
1,2-Dichlorobenzene	ND		ug/kg	160	--
1,3-Dichlorobenzene	ND		ug/kg	160	--
1,4-Dichlorobenzene	ND		ug/kg	160	--
3,3'-Dichlorobenzidine	ND		ug/kg	160	--
2,4-Dinitrotoluene	ND		ug/kg	160	--
2,6-Dinitrotoluene	ND		ug/kg	160	--
Azobenzene	ND		ug/kg	160	--
Fluoranthene	ND		ug/kg	99	--
4-Chlorophenyl phenyl ether	ND		ug/kg	160	--
4-Bromophenyl phenyl ether	ND		ug/kg	160	--
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	--
Bis(2-chloroethoxy)methane	ND		ug/kg	180	--
Hexachlorobutadiene	ND		ug/kg	160	--
Hexachlorocyclopentadiene	ND		ug/kg	470	--
Hexachloroethane	ND		ug/kg	130	--
Isophorone	ND		ug/kg	150	--
Naphthalene	ND		ug/kg	160	--
Nitrobenzene	ND		ug/kg	150	--
NDPA/DPA	ND		ug/kg	130	--
n-Nitrosodi-n-propylamine	ND		ug/kg	160	--
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	--
Butyl benzyl phthalate	ND		ug/kg	160	--
Di-n-butylphthalate	ND		ug/kg	160	--

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1927882
Report Date: 07/03/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 07/02/19 13:11
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 07/01/19 02:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1255088-1					
Di-n-octylphthalate	ND		ug/kg	160	--
Diethyl phthalate	ND		ug/kg	160	--
Dimethyl phthalate	ND		ug/kg	160	--
Benzo(a)anthracene	ND		ug/kg	99	--
Benzo(a)pyrene	ND		ug/kg	130	--
Benzo(b)fluoranthene	ND		ug/kg	99	--
Benzo(k)fluoranthene	ND		ug/kg	99	--
Chrysene	ND		ug/kg	99	--
Acenaphthylene	ND		ug/kg	130	--
Anthracene	ND		ug/kg	99	--
Benzo(ghi)perylene	ND		ug/kg	130	--
Fluorene	ND		ug/kg	160	--
Phenanthrene	ND		ug/kg	99	--
Dibenzo(a,h)anthracene	ND		ug/kg	99	--
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	--
Pyrene	ND		ug/kg	99	--
Biphenyl	ND		ug/kg	380	--
Aniline	ND		ug/kg	200	--
4-Chloroaniline	ND		ug/kg	160	--
1-Methylnaphthalene	ND		ug/kg	160	--
2-Nitroaniline	ND		ug/kg	160	--
3-Nitroaniline	ND		ug/kg	160	--
4-Nitroaniline	ND		ug/kg	160	--
Dibenzofuran	ND		ug/kg	160	--
2-Methylnaphthalene	ND		ug/kg	200	--
n-Nitrosodimethylamine	ND		ug/kg	330	--
2,4,6-Trichlorophenol	ND		ug/kg	99	--
p-Chloro-m-cresol	ND		ug/kg	160	--
2-Chlorophenol	ND		ug/kg	160	--

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1927882
Report Date: 07/03/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 07/02/19 13:11
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 07/01/19 02:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1255088-1					
2,4-Dichlorophenol	ND		ug/kg	150	--
2,4-Dimethylphenol	ND		ug/kg	160	--
2-Nitrophenol	ND		ug/kg	360	--
4-Nitrophenol	ND		ug/kg	230	--
2,4-Dinitrophenol	ND		ug/kg	790	--
4,6-Dinitro-o-cresol	ND		ug/kg	430	--
Pentachlorophenol	ND		ug/kg	130	--
Phenol	ND		ug/kg	160	--
2-Methylphenol	ND		ug/kg	160	--
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	--
2,4,5-Trichlorophenol	ND		ug/kg	160	--
Benzoic Acid	ND		ug/kg	540	--
Benzyl Alcohol	ND		ug/kg	160	--
Carbazole	ND		ug/kg	160	--
Pyridine	ND		ug/kg	180	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	72		10-136
4-Terphenyl-d14	76		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 231841

Lab Number: L1927882
Report Date: 07/03/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1255088-2 WG1255088-3								
Acenaphthene	70		63		31-137	11		50
Benzidine	**4**	Q	**4**	Q	10-66	11		50
1,2,4-Trichlorobenzene	71		68		38-107	4		50
Hexachlorobenzene	66		60		40-140	10		50
Bis(2-chloroethyl)ether	73		70		40-140	4		50
2-Chloronaphthalene	72		68		40-140	6		50
1,2-Dichlorobenzene	70		67		40-140	4		50
1,3-Dichlorobenzene	68		65		40-140	5		50
1,4-Dichlorobenzene	69		66		28-104	4		50
3,3'-Dichlorobenzidine	52		46		40-140	12		50
2,4-Dinitrotoluene	79		74		40-132	7		50
2,6-Dinitrotoluene	81		76		40-140	6		50
Azobenzene	76		69		40-140	10		50
Fluoranthene	70		67		40-140	4		50
4-Chlorophenyl phenyl ether	68		62		40-140	9		50
4-Bromophenyl phenyl ether	67		61		40-140	9		50
Bis(2-chloroisopropyl)ether	86		83		40-140	4		50
Bis(2-chloroethoxy)methane	77		73		40-117	5		50
Hexachlorobutadiene	67		62		40-140	8		50
Hexachlorocyclopentadiene	83		76		40-140	9		50
Hexachloroethane	68		66		40-140	3		50
Isophorone	77		74		40-140	4		50
Naphthalene	71		67		40-140	6		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 231841

Lab Number: L1927882
Report Date: 07/03/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1255088-2 WG1255088-3								
Nitrobenzene	81		77		40-140	5		50
NDPA/DPA	71		66		36-157	7		50
n-Nitrosodi-n-propylamine	81		77		32-121	5		50
Bis(2-ethylhexyl)phthalate	67		62		40-140	8		50
Butyl benzyl phthalate	73		69		40-140	6		50
Di-n-butylphthalate	69		62		40-140	11		50
Di-n-octylphthalate	70		64		40-140	9		50
Diethyl phthalate	68		63		40-140	8		50
Dimethyl phthalate	72		69		40-140	4		50
Benzo(a)anthracene	72		66		40-140	9		50
Benzo(a)pyrene	73		68		40-140	7		50
Benzo(b)fluoranthene	72		68		40-140	6		50
Benzo(k)fluoranthene	71		65		40-140	9		50
Chrysene	67		62		40-140	8		50
Acenaphthylene	75		70		40-140	7		50
Anthracene	71		64		40-140	10		50
Benzo(ghi)perylene	70		65		40-140	7		50
Fluorene	71		65		40-140	9		50
Phenanthrene	69		63		40-140	9		50
Dibenzo(a,h)anthracene	76		70		40-140	8		50
Indeno(1,2,3-cd)pyrene	68		63		40-140	8		50
Pyrene	70		66		35-142	6		50
Biphenyl	76		71		54-104	7		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 231841

Lab Number: L1927882
Report Date: 07/03/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1255088-2 WG1255088-3								
Aniline	40		**35**	Q	40-140	13		50
4-Chloroaniline	62		54		40-140	14		50
1-Methylnaphthalene	72		68		26-130	6		50
2-Nitroaniline	80		76		47-134	5		50
3-Nitroaniline	64		56		26-129	13		50
4-Nitroaniline	74		70		41-125	6		50
Dibenzofuran	71		66		40-140	7		50
2-Methylnaphthalene	71		67		40-140	6		50
n-Nitrosodimethylamine	77		74		22-100	4		50
2,4,6-Trichlorophenol	76		73		30-130	4		50
p-Chloro-m-cresol	77		73		26-103	5		50
2-Chlorophenol	75		71		25-102	5		50
2,4-Dichlorophenol	78		75		30-130	4		50
2,4-Dimethylphenol	74		74		30-130	0		50
2-Nitrophenol	83		79		30-130	5		50
4-Nitrophenol	91		89		11-114	2		50
2,4-Dinitrophenol	66		67		4-130	2		50
4,6-Dinitro-o-cresol	86		83		10-130	4		50
Pentachlorophenol	88		84		17-109	5		50
Phenol	85		81		26-90	5		50
2-Methylphenol	78		76		30-130.	3		50
3-Methylphenol/4-Methylphenol	78		76		30-130	3		50
2,4,5-Trichlorophenol	77		72		30-130	7		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 231841

Lab Number: L1927882

Report Date: 07/03/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1255088-2 WG1255088-3								
Benzoic Acid	38		41		10-110	8		50
Benzyl Alcohol	82		78		40-140	5		50
Carbazole	71		66		54-128	7		50
Pyridine	**8**	Q	**9**	Q	10-93	15		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	79		73		25-120
Phenol-d6	81		75		10-120
Nitrobenzene-d5	88		81		23-120
2-Fluorobiphenyl	78		71		30-120
2,4,6-Tribromophenol	72		65		10-136
4-Terphenyl-d14	75		67		18-120

PETROLEUM HYDROCARBONS

Project Name: SALEM FORMER WWTF
Lab Number: L1927882
Project Number: 231841
Report Date: 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-01
Client ID: S-1
Sample Location: SALEM, NH

Date Collected: 06/26/19 08:50
Date Received: 06/26/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 07/02/19 22:25
Analyst: SR
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 07/01/19 23:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	1090000		ug/kg	34100	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	64		40-140

Project Name: SALEM FORMER WWTF
Lab Number: L1927882
Project Number: 231841
Report Date: 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-02
Client ID: S-2
Sample Location: SALEM, NH

Date Collected: 06/26/19 08:55
Date Received: 06/26/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 07/02/19 22:58
Analyst: SR
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 07/01/19 23:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	323000		ug/kg	34400	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	80		40-140

Project Name: SALEM FORMER WWTF
Lab Number: L1927882
Project Number: 231841
Report Date: 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-03
Client ID: S-3
Sample Location: SALEM, NH

Date Collected: 06/26/19 09:00
Date Received: 06/26/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 07/02/19 23:31
Analyst: SR
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 07/01/19 23:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	438000		ug/kg	35100	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	67		40-140

Project Name: SALEM FORMER WWTF
Lab Number: L1927882
Project Number: 231841
Report Date: 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-04
Client ID: S-4
Sample Location: SALEM, NH

Date Collected: 06/26/19 09:05
Date Received: 06/26/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 07/03/19 00:03
Analyst: SR
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 07/01/19 23:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	287000		ug/kg	34100	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	79		40-140

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1927882
Report Date: 07/03/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015D(M)
Analytical Date: 07/02/19 09:12
Analyst: SC

Extraction Method: EPA 3546
Extraction Date: 07/01/19 20:45

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01-04 Batch: WG1255459-1					
TPH	ND		ug/kg	33000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	42		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 231841

Lab Number: L1927882

Report Date: 07/03/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-04 Batch: WG1255459-2								
TPH	68		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	55				40-140

PCBS

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1927882
Report Date: 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-01
Client ID: S-1
Sample Location: SALEM, NH

Date Collected: 06/26/19 08:50
Date Received: 06/26/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/03/19 06:03
Analyst: KB
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 07/01/19 20:24
Cleanup Method: EPA 3665A
Cleanup Date: 07/02/19
Cleanup Method: EPA 3660B
Cleanup Date: 07/01/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.3	--	1	A
Aroclor 1221	ND		ug/kg	33.3	--	1	A
Aroclor 1232	ND		ug/kg	33.3	--	1	A
Aroclor 1242	ND		ug/kg	33.3	--	1	A
Aroclor 1248	ND		ug/kg	33.3	--	1	A
Aroclor 1254	ND		ug/kg	33.3	--	1	A
Aroclor 1260	ND		ug/kg	33.3	--	1	A
Aroclor 1262	ND		ug/kg	33.3	--	1	A
Aroclor 1268	ND		ug/kg	33.3	--	1	A
PCBs, Total	ND		ug/kg	33.3	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	68		30-150	B
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	55		30-150	A

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1927882
Report Date: 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-02
Client ID: S-2
Sample Location: SALEM, NH

Date Collected: 06/26/19 08:55
Date Received: 06/26/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/03/19 06:16
Analyst: KB
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 07/01/19 20:24
Cleanup Method: EPA 3665A
Cleanup Date: 07/02/19
Cleanup Method: EPA 3660B
Cleanup Date: 07/01/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.3	--	1	A
Aroclor 1221	ND		ug/kg	34.3	--	1	A
Aroclor 1232	ND		ug/kg	34.3	--	1	A
Aroclor 1242	ND		ug/kg	34.3	--	1	A
Aroclor 1248	ND		ug/kg	34.3	--	1	A
Aroclor 1254	ND		ug/kg	34.3	--	1	A
Aroclor 1260	ND		ug/kg	34.3	--	1	A
Aroclor 1262	ND		ug/kg	34.3	--	1	A
Aroclor 1268	ND		ug/kg	34.3	--	1	A
PCBs, Total	ND		ug/kg	34.3	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	68		30-150	B
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	56		30-150	A

Project Name: SALEM FORMER WWTF
Lab Number: L1927882
Project Number: 231841
Report Date: 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-03
Client ID: S-3
Sample Location: SALEM, NH

Date Collected: 06/26/19 09:00
Date Received: 06/26/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/03/19 06:29
Analyst: KB
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 07/01/19 20:24
Cleanup Method: EPA 3665A
Cleanup Date: 07/02/19
Cleanup Method: EPA 3660B
Cleanup Date: 07/01/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.2	--	1	A
Aroclor 1221	ND		ug/kg	35.2	--	1	A
Aroclor 1232	ND		ug/kg	35.2	--	1	A
Aroclor 1242	ND		ug/kg	35.2	--	1	A
Aroclor 1248	ND		ug/kg	35.2	--	1	A
Aroclor 1254	ND		ug/kg	35.2	--	1	A
Aroclor 1260	ND		ug/kg	35.2	--	1	A
Aroclor 1262	ND		ug/kg	35.2	--	1	A
Aroclor 1268	ND		ug/kg	35.2	--	1	A
PCBs, Total	ND		ug/kg	35.2	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	74		30-150	B
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	57		30-150	A

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1927882
Report Date: 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-04
Client ID: S-4
Sample Location: SALEM, NH

Date Collected: 06/26/19 09:05
Date Received: 06/26/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/03/19 06:41
Analyst: KB
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 07/01/19 20:24
Cleanup Method: EPA 3665A
Cleanup Date: 07/02/19
Cleanup Method: EPA 3660B
Cleanup Date: 07/01/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.7	--	1	A
Aroclor 1221	ND		ug/kg	34.7	--	1	A
Aroclor 1232	ND		ug/kg	34.7	--	1	A
Aroclor 1242	ND		ug/kg	34.7	--	1	A
Aroclor 1248	ND		ug/kg	34.7	--	1	A
Aroclor 1254	ND		ug/kg	34.7	--	1	A
Aroclor 1260	ND		ug/kg	34.7	--	1	A
Aroclor 1262	ND		ug/kg	34.7	--	1	A
Aroclor 1268	ND		ug/kg	34.7	--	1	A
PCBs, Total	ND		ug/kg	34.7	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	71		30-150	B
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	54		30-150	A

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1927882
Report Date: 07/03/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 07/01/19 21:43
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 06/30/19 23:37
Cleanup Method: EPA 3665A
Cleanup Date: 07/01/19
Cleanup Method: EPA 3660B
Cleanup Date: 07/01/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-04 Batch: WG1255078-1						
Aroclor 1016	ND		ug/kg	32.8	--	A
Aroclor 1221	ND		ug/kg	32.8	--	A
Aroclor 1232	ND		ug/kg	32.8	--	A
Aroclor 1242	ND		ug/kg	32.8	--	A
Aroclor 1248	ND		ug/kg	32.8	--	A
Aroclor 1254	ND		ug/kg	32.8	--	A
Aroclor 1260	ND		ug/kg	32.8	--	A
Aroclor 1262	ND		ug/kg	32.8	--	A
Aroclor 1268	ND		ug/kg	32.8	--	A
PCBs, Total	ND		ug/kg	32.8	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	66		30-150	B
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	63		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 231841

Lab Number: L1927882

Report Date: 07/03/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG1255078-2 WG1255078-3									
Aroclor 1016	59		51		40-140	15		50	A
Aroclor 1260	58		49		40-140	17		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		56		30-150	B
Decachlorobiphenyl	71		65		30-150	B
2,4,5,6-Tetrachloro-m-xylene	58		51		30-150	A
Decachlorobiphenyl	67		56		30-150	A

PESTICIDES

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1927882
Report Date: 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-01
Client ID: S-1
Sample Location: SALEM, NH

Date Collected: 06/26/19 08:50
Date Received: 06/26/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 07/03/19 10:13
Analyst: BM
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 07/01/19 22:13
Cleanup Method: EPA 3620B
Cleanup Date: 07/03/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.64	--	1	A
Lindane	ND		ug/kg	0.684	--	1	A
Alpha-BHC	ND		ug/kg	0.684	--	1	A
Beta-BHC	ND		ug/kg	1.64	--	1	A
Heptachlor	ND		ug/kg	0.821	--	1	A
Aldrin	ND		ug/kg	1.64	--	1	A
Heptachlor epoxide	ND		ug/kg	3.08	--	1	A
Endrin	ND		ug/kg	0.684	--	1	A
Endrin aldehyde	ND		ug/kg	2.05	--	1	A
Endrin ketone	ND		ug/kg	1.64	--	1	A
Dieldrin	ND		ug/kg	1.03	--	1	A
4,4'-DDE	ND		ug/kg	1.64	--	1	A
4,4'-DDD	ND		ug/kg	1.64	--	1	A
4,4'-DDT	ND		ug/kg	3.08	--	1	A
Endosulfan I	ND		ug/kg	1.64	--	1	A
Endosulfan II	ND		ug/kg	1.64	--	1	A
Endosulfan sulfate	ND		ug/kg	0.684	--	1	A
Methoxychlor	ND		ug/kg	3.08	--	1	A
Toxaphene	ND		ug/kg	30.8	--	1	A
Chlordane	ND		ug/kg	13.3	--	1	A
cis-Chlordane	ND		ug/kg	2.05	--	1	A
trans-Chlordane	ND		ug/kg	2.05	--	1	A

Project Name: SALEM FORMER WWTF **Lab Number:** L1927882

Project Number: 231841 **Report Date:** 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-01 Date Collected: 06/26/19 08:50

Client ID: S-1 Date Received: 06/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	147		30-150	B
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	71		30-150	A

Project Name: SALEM FORMER WWTF
Lab Number: L1927882
Project Number: 231841
Report Date: 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-01
Client ID: S-1
Sample Location: SALEM, NH

Date Collected: 06/26/19 08:50
Date Received: 06/26/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 06/30/19 09:56
Analyst: BM
Percent Solids: 95%
Methylation Date: 06/28/19 23:20

Extraction Method: EPA 8151A
Extraction Date: 06/27/19 18:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
MCPP	ND		ug/kg	3480	--	1	A
MCPA	ND		ug/kg	3480	--	1	A
Dalapon	ND		ug/kg	34.8	--	1	A
Dicamba	ND		ug/kg	34.8	--	1	A
Dichloroprop	ND		ug/kg	34.8	--	1	A
2,4-D	ND		ug/kg	174	--	1	A
2,4-DB	ND		ug/kg	174	--	1	A
2,4,5-T	ND		ug/kg	174	--	1	A
2,4,5-TP (Silvex)	ND		ug/kg	174	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	90		30-150	A
DCAA	78		30-150	B

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1927882
Report Date: 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-02
Client ID: S-2
Sample Location: SALEM, NH

Date Collected: 06/26/19 08:55
Date Received: 06/26/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 07/03/19 10:26
Analyst: BM
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 07/01/19 22:13
Cleanup Method: EPA 3620B
Cleanup Date: 07/03/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.62	--	1	A
Lindane	ND		ug/kg	0.676	--	1	A
Alpha-BHC	ND		ug/kg	0.676	--	1	A
Beta-BHC	ND		ug/kg	1.62	--	1	A
Heptachlor	ND		ug/kg	0.811	--	1	A
Aldrin	ND		ug/kg	1.62	--	1	A
Heptachlor epoxide	ND		ug/kg	3.04	--	1	A
Endrin	ND		ug/kg	0.676	--	1	A
Endrin aldehyde	ND		ug/kg	2.03	--	1	A
Endrin ketone	ND		ug/kg	1.62	--	1	A
Dieldrin	ND		ug/kg	1.01	--	1	A
4,4'-DDE	ND		ug/kg	1.62	--	1	A
4,4'-DDD	ND		ug/kg	1.62	--	1	A
4,4'-DDT	ND		ug/kg	3.04	--	1	A
Endosulfan I	ND		ug/kg	1.62	--	1	A
Endosulfan II	ND		ug/kg	1.62	--	1	A
Endosulfan sulfate	ND		ug/kg	0.676	--	1	A
Methoxychlor	ND		ug/kg	3.04	--	1	A
Toxaphene	ND		ug/kg	30.4	--	1	A
Chlordane	ND		ug/kg	13.2	--	1	A
cis-Chlordane	ND		ug/kg	2.03	--	1	A
trans-Chlordane	ND		ug/kg	2.03	--	1	A

Project Name: SALEM FORMER WWTF **Lab Number:** L1927882

Project Number: 231841 **Report Date:** 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-02 Date Collected: 06/26/19 08:55

Client ID: S-2 Date Received: 06/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	136		30-150	B
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	62		30-150	A

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1927882
Report Date: 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-02
Client ID: S-2
Sample Location: SALEM, NH

Date Collected: 06/26/19 08:55
Date Received: 06/26/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 06/30/19 10:14
Analyst: BM
Percent Solids: 94%
Methylation Date: 06/28/19 23:20

Extraction Method: EPA 8151A
Extraction Date: 06/27/19 18:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
MCPP	ND		ug/kg	3480	--	1	A
MCPA	ND		ug/kg	3480	--	1	A
Dalapon	ND		ug/kg	34.8	--	1	A
Dicamba	ND		ug/kg	34.8	--	1	A
Dichloroprop	ND		ug/kg	34.8	--	1	A
2,4-D	ND		ug/kg	174	--	1	A
2,4-DB	ND		ug/kg	174	--	1	A
2,4,5-T	ND		ug/kg	174	--	1	A
2,4,5-TP (Silvex)	ND		ug/kg	174	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	86		30-150	A
DCAA	74		30-150	B

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1927882
Report Date: 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-03
Client ID: S-3
Sample Location: SALEM, NH

Date Collected: 06/26/19 09:00
Date Received: 06/26/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 07/03/19 10:39
Analyst: BM
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 07/01/19 22:13
Cleanup Method: EPA 3620B
Cleanup Date: 07/03/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.71	--	1	A
Lindane	ND		ug/kg	0.714	--	1	A
Alpha-BHC	ND		ug/kg	0.714	--	1	A
Beta-BHC	ND		ug/kg	1.71	--	1	A
Heptachlor	ND		ug/kg	0.857	--	1	A
Aldrin	ND		ug/kg	1.71	--	1	A
Heptachlor epoxide	ND		ug/kg	3.21	--	1	A
Endrin	ND		ug/kg	0.714	--	1	A
Endrin aldehyde	ND		ug/kg	2.14	--	1	A
Endrin ketone	ND		ug/kg	1.71	--	1	A
Dieldrin	ND		ug/kg	1.07	--	1	A
4,4'-DDE	ND		ug/kg	1.71	--	1	A
4,4'-DDD	ND		ug/kg	1.71	--	1	A
4,4'-DDT	ND		ug/kg	3.21	--	1	A
Endosulfan I	ND		ug/kg	1.71	--	1	A
Endosulfan II	ND		ug/kg	1.71	--	1	A
Endosulfan sulfate	ND		ug/kg	0.714	--	1	A
Methoxychlor	ND		ug/kg	3.21	--	1	A
Toxaphene	ND		ug/kg	32.1	--	1	A
Chlordane	ND		ug/kg	13.9	--	1	A
cis-Chlordane	ND		ug/kg	2.14	--	1	A
trans-Chlordane	ND		ug/kg	2.14	--	1	A

Project Name: SALEM FORMER WWTF **Lab Number:** L1927882

Project Number: 231841 **Report Date:** 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-03 Date Collected: 06/26/19 09:00

Client ID: S-3 Date Received: 06/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	126		30-150	B
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	53		30-150	A

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1927882
Report Date: 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-03
Client ID: S-3
Sample Location: SALEM, NH

Date Collected: 06/26/19 09:00
Date Received: 06/26/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 06/30/19 10:33
Analyst: BM
Percent Solids: 92%
Methylation Date: 06/28/19 23:20

Extraction Method: EPA 8151A
Extraction Date: 06/27/19 18:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
MCPP	ND		ug/kg	3600	--	1	A
MCPA	ND		ug/kg	3600	--	1	A
Dalapon	ND		ug/kg	36.0	--	1	A
Dicamba	ND		ug/kg	36.0	--	1	A
Dichloroprop	ND		ug/kg	36.0	--	1	A
2,4-D	ND		ug/kg	180	--	1	A
2,4-DB	ND		ug/kg	180	--	1	A
2,4,5-T	ND		ug/kg	180	--	1	A
2,4,5-TP (Silvex)	ND		ug/kg	180	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	88		30-150	A
DCAA	75		30-150	B

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1927882
Report Date: 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-04
Client ID: S-4
Sample Location: SALEM, NH

Date Collected: 06/26/19 09:05
Date Received: 06/26/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 07/03/19 10:51
Analyst: BM
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 07/01/19 22:13
Cleanup Method: EPA 3620B
Cleanup Date: 07/03/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.68	--	1	A
Lindane	ND		ug/kg	0.700	--	1	A
Alpha-BHC	ND		ug/kg	0.700	--	1	A
Beta-BHC	ND		ug/kg	1.68	--	1	A
Heptachlor	ND		ug/kg	0.840	--	1	A
Aldrin	ND		ug/kg	1.68	--	1	A
Heptachlor epoxide	ND		ug/kg	3.15	--	1	A
Endrin	ND		ug/kg	0.700	--	1	A
Endrin aldehyde	ND		ug/kg	2.10	--	1	A
Endrin ketone	ND		ug/kg	1.68	--	1	A
Dieldrin	ND		ug/kg	1.05	--	1	A
4,4'-DDE	ND		ug/kg	1.68	--	1	A
4,4'-DDD	ND		ug/kg	1.68	--	1	A
4,4'-DDT	ND		ug/kg	3.15	--	1	A
Endosulfan I	ND		ug/kg	1.68	--	1	A
Endosulfan II	ND		ug/kg	1.68	--	1	A
Endosulfan sulfate	ND		ug/kg	0.700	--	1	A
Methoxychlor	ND		ug/kg	3.15	--	1	A
Toxaphene	ND		ug/kg	31.5	--	1	A
Chlordane	ND		ug/kg	13.6	--	1	A
cis-Chlordane	ND		ug/kg	2.10	--	1	A
trans-Chlordane	ND		ug/kg	2.10	--	1	A

Project Name: SALEM FORMER WWTF **Lab Number:** L1927882

Project Number: 231841 **Report Date:** 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-04 Date Collected: 06/26/19 09:05

Client ID: S-4 Date Received: 06/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	**215**	Q	30-150	B
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	49		30-150	A

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1927882
Report Date: 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-04
Client ID: S-4
Sample Location: SALEM, NH

Date Collected: 06/26/19 09:05
Date Received: 06/26/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 06/30/19 10:52
Analyst: BM
Percent Solids: 94%
Methylation Date: 06/28/19 23:20

Extraction Method: EPA 8151A
Extraction Date: 06/27/19 18:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
MCPP	ND		ug/kg	3500	--	1	A
MCPA	ND		ug/kg	3500	--	1	A
Dalapon	ND		ug/kg	35.0	--	1	A
Dicamba	ND		ug/kg	35.0	--	1	A
Dichloroprop	ND		ug/kg	35.0	--	1	A
2,4-D	ND		ug/kg	175	--	1	A
2,4-DB	ND		ug/kg	175	--	1	A
2,4,5-T	ND		ug/kg	175	--	1	A
2,4,5-TP (Silvex)	ND		ug/kg	175	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	87		30-150	A
DCAA	75		30-150	B

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1927882
Report Date: 07/03/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 06/30/19 09:37
Analyst: BM

Extraction Method: EPA 8151A
Extraction Date: 06/27/19 18:08

Methylation Date: 06/28/19 23:20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-04 Batch: WG1254118-1						
MCPP	ND		ug/kg	3240	--	A
MCPA	ND		ug/kg	3240	--	A
Dalapon	ND		ug/kg	32.4	--	A
Dicamba	ND		ug/kg	32.4	--	A
Dichloroprop	ND		ug/kg	32.4	--	A
2,4-D	ND		ug/kg	162	--	A
2,4-DB	ND		ug/kg	162	--	A
2,4,5-T	ND		ug/kg	162	--	A
2,4,5-TP (Silvex)	ND		ug/kg	162	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	87		30-150	A
DCAA	76		30-150	B

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1927882
Report Date: 07/03/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 07/01/19 15:23
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 07/01/19 01:12
Cleanup Method: EPA 3620B
Cleanup Date: 07/01/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Pesticides by GC - Westborough Lab for sample(s): 01-04 Batch: WG1255083-1						
Delta-BHC	ND		ug/kg	1.54	--	A
Lindane	ND		ug/kg	0.644	--	A
Alpha-BHC	ND		ug/kg	0.644	--	A
Beta-BHC	ND		ug/kg	1.54	--	A
Heptachlor	ND		ug/kg	0.772	--	A
Aldrin	ND		ug/kg	1.54	--	A
Heptachlor epoxide	ND		ug/kg	2.90	--	A
Endrin	ND		ug/kg	0.644	--	A
Endrin aldehyde	ND		ug/kg	1.93	--	A
Endrin ketone	ND		ug/kg	1.54	--	A
Dieldrin	ND		ug/kg	0.965	--	A
4,4'-DDE	ND		ug/kg	1.54	--	A
4,4'-DDD	ND		ug/kg	1.54	--	A
4,4'-DDT	ND		ug/kg	2.90	--	A
Endosulfan I	ND		ug/kg	1.54	--	A
Endosulfan II	ND		ug/kg	1.54	--	A
Endosulfan sulfate	ND		ug/kg	0.644	--	A
Methoxychlor	ND		ug/kg	2.90	--	A
Toxaphene	ND		ug/kg	29.0	--	A
Chlordane	ND		ug/kg	12.5	--	A
cis-Chlordane	ND		ug/kg	1.93	--	A
trans-Chlordane	ND		ug/kg	1.93	--	A

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1927882
Report Date: 07/03/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 07/01/19 15:23
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 07/01/19 01:12
Cleanup Method: EPA 3620B
Cleanup Date: 07/01/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Pesticides by GC - Westborough Lab for sample(s): 01-04 Batch: WG1255083-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	65		30-150	B
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	69		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 231841

Lab Number: L1927882

Report Date: 07/03/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG1254118-2 WG1254118-3									
MCPP	98		104		30-150	6		30	A
MCPA	70		74		30-150	6		30	A
Dalapon	85		87		30-150	2		30	A
Dicamba	80		84		30-150	5		30	A
Dichloroprop	106		125		30-150	16		30	A
2,4-D	87		86		30-150	1		30	A
2,4-DB	77		77		30-150	0		30	A
2,4,5-T	91		89		30-150	2		30	A
2,4,5-TP (Silvex)	91		90		30-150	1		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	88		80		30-150	A
DCAA	78		75		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 231841

Lab Number: L1927882

Report Date: 07/03/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Pesticides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG1255083-2 WG1255083-3									
Delta-BHC	84		83		30-150	1		30	A
Lindane	84		84		30-150	0		30	A
Alpha-BHC	89		89		30-150	0		30	A
Beta-BHC	76		75		30-150	1		30	A
Heptachlor	88		90		30-150	2		30	A
Aldrin	84		86		30-150	2		30	A
Heptachlor epoxide	81		84		30-150	4		30	A
Endrin	84		89		30-150	6		30	A
Endrin aldehyde	44		37		30-150	17		30	A
Endrin ketone	58		52		30-150	11		30	A
Dieldrin	85		89		30-150	5		30	A
4,4'-DDE	79		84		30-150	6		30	A
4,4'-DDD	79		84		30-150	6		30	A
4,4'-DDT	81		85		30-150	5		30	A
Endosulfan I	77		80		30-150	4		30	A
Endosulfan II	74		74		30-150	0		30	A
Endosulfan sulfate	42		38		30-150	10		30	A
Methoxychlor	89		91		30-150	2		30	A
cis-Chlordane	75		78		30-150	4		30	A
trans-Chlordane	90		94		30-150	4		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 231841

Lab Number: L1927882

Report Date: 07/03/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Pesticides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG1255083-2 WG1255083-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		68		30-150	B
Decachlorobiphenyl	77		80		30-150	B
2,4,5,6-Tetrachloro-m-xylene	75		76		30-150	A
Decachlorobiphenyl	78		83		30-150	A

METALS

Project Name: SALEM FORMER WWTF **Lab Number:** L1927882

Project Number: 231841 **Report Date:** 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-01 Date Collected: 06/26/19 08:50

Client ID: S-1 Date Received: 06/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/kg	2.01	--	1	07/02/19 18:03	07/02/19 21:43	EPA 3050B	1,6010D	AB
Arsenic, Total	4.53		mg/kg	0.402	--	1	07/02/19 18:03	07/02/19 21:43	EPA 3050B	1,6010D	AB
Beryllium, Total	ND		mg/kg	0.201	--	1	07/02/19 18:03	07/02/19 21:43	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.402	--	1	07/02/19 18:03	07/02/19 21:43	EPA 3050B	1,6010D	AB
Chromium, Total	13.5		mg/kg	0.402	--	1	07/02/19 18:03	07/02/19 21:43	EPA 3050B	1,6010D	AB
Copper, Total	5.06		mg/kg	0.402	--	1	07/02/19 18:03	07/02/19 21:43	EPA 3050B	1,6010D	AB
Lead, Total	8.05		mg/kg	2.01	--	1	07/02/19 18:03	07/02/19 21:43	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.066	--	1	07/02/19 07:30	07/02/19 16:17	EPA 7471B	1,7471B	GD
Nickel, Total	8.11		mg/kg	1.00	--	1	07/02/19 18:03	07/02/19 21:43	EPA 3050B	1,6010D	AB
Selenium, Total	ND		mg/kg	0.804	--	1	07/02/19 18:03	07/02/19 21:43	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.402	--	1	07/02/19 18:03	07/02/19 21:43	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	0.804	--	1	07/02/19 18:03	07/02/19 21:43	EPA 3050B	1,6010D	AB
Zinc, Total	17.8		mg/kg	2.01	--	1	07/02/19 18:03	07/02/19 21:43	EPA 3050B	1,6010D	AB

Project Name: SALEM FORMER WWTF **Lab Number:** L1927882

Project Number: 231841 **Report Date:** 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-02 Date Collected: 06/26/19 08:55

Client ID: S-2 Date Received: 06/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/kg	2.03	--	1	07/02/19 18:03	07/02/19 21:47	EPA 3050B	1,6010D	AB
Arsenic, Total	3.63		mg/kg	0.406	--	1	07/02/19 18:03	07/02/19 21:47	EPA 3050B	1,6010D	AB
Beryllium, Total	ND		mg/kg	0.203	--	1	07/02/19 18:03	07/02/19 21:47	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.406	--	1	07/02/19 18:03	07/02/19 21:47	EPA 3050B	1,6010D	AB
Chromium, Total	13.6		mg/kg	0.406	--	1	07/02/19 18:03	07/02/19 21:47	EPA 3050B	1,6010D	AB
Copper, Total	5.99		mg/kg	0.406	--	1	07/02/19 18:03	07/02/19 21:47	EPA 3050B	1,6010D	AB
Lead, Total	7.22		mg/kg	2.03	--	1	07/02/19 18:03	07/02/19 21:47	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.067	--	1	07/02/19 07:30	07/02/19 16:19	EPA 7471B	1,7471B	GD
Nickel, Total	8.72		mg/kg	1.02	--	1	07/02/19 18:03	07/02/19 21:47	EPA 3050B	1,6010D	AB
Selenium, Total	ND		mg/kg	0.813	--	1	07/02/19 18:03	07/02/19 21:47	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.406	--	1	07/02/19 18:03	07/02/19 21:47	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	0.813	--	1	07/02/19 18:03	07/02/19 21:47	EPA 3050B	1,6010D	AB
Zinc, Total	16.7		mg/kg	2.03	--	1	07/02/19 18:03	07/02/19 21:47	EPA 3050B	1,6010D	AB

Project Name: SALEM FORMER WWTF **Lab Number:** L1927882

Project Number: 231841 **Report Date:** 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-03 Date Collected: 06/26/19 09:00

Client ID: S-3 Date Received: 06/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/kg	2.09	--	1	07/02/19 18:03	07/02/19 21:52	EPA 3050B	1,6010D	AB
Arsenic, Total	5.02		mg/kg	0.418	--	1	07/02/19 18:03	07/02/19 21:52	EPA 3050B	1,6010D	AB
Beryllium, Total	ND		mg/kg	0.209	--	1	07/02/19 18:03	07/02/19 21:52	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.418	--	1	07/02/19 18:03	07/02/19 21:52	EPA 3050B	1,6010D	AB
Chromium, Total	12.8		mg/kg	0.418	--	1	07/02/19 18:03	07/02/19 21:52	EPA 3050B	1,6010D	AB
Copper, Total	5.32		mg/kg	0.418	--	1	07/02/19 18:03	07/02/19 21:52	EPA 3050B	1,6010D	AB
Lead, Total	6.79		mg/kg	2.09	--	1	07/02/19 18:03	07/02/19 21:52	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.069	--	1	07/02/19 07:30	07/02/19 16:21	EPA 7471B	1,7471B	GD
Nickel, Total	8.54		mg/kg	1.05	--	1	07/02/19 18:03	07/02/19 21:52	EPA 3050B	1,6010D	AB
Selenium, Total	ND		mg/kg	0.837	--	1	07/02/19 18:03	07/02/19 21:52	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.418	--	1	07/02/19 18:03	07/02/19 21:52	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	0.837	--	1	07/02/19 18:03	07/02/19 21:52	EPA 3050B	1,6010D	AB
Zinc, Total	18.4		mg/kg	2.09	--	1	07/02/19 18:03	07/02/19 21:52	EPA 3050B	1,6010D	AB

Project Name: SALEM FORMER WWTF **Lab Number:** L1927882

Project Number: 231841 **Report Date:** 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-04 Date Collected: 06/26/19 09:05

Client ID: S-4 Date Received: 06/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/kg	2.08	--	1	07/02/19 18:03	07/02/19 21:56	EPA 3050B	1,6010D	AB
Arsenic, Total	4.11		mg/kg	0.417	--	1	07/02/19 18:03	07/02/19 21:56	EPA 3050B	1,6010D	AB
Beryllium, Total	ND		mg/kg	0.208	--	1	07/02/19 18:03	07/02/19 21:56	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.417	--	1	07/02/19 18:03	07/02/19 21:56	EPA 3050B	1,6010D	AB
Chromium, Total	14.9		mg/kg	0.417	--	1	07/02/19 18:03	07/02/19 21:56	EPA 3050B	1,6010D	AB
Copper, Total	5.68		mg/kg	0.417	--	1	07/02/19 18:03	07/02/19 21:56	EPA 3050B	1,6010D	AB
Lead, Total	7.24		mg/kg	2.08	--	1	07/02/19 18:03	07/02/19 21:56	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.067	--	1	07/02/19 07:30	07/02/19 16:23	EPA 7471B	1,7471B	GD
Nickel, Total	9.80		mg/kg	1.04	--	1	07/02/19 18:03	07/02/19 21:56	EPA 3050B	1,6010D	AB
Selenium, Total	ND		mg/kg	0.834	--	1	07/02/19 18:03	07/02/19 21:56	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.417	--	1	07/02/19 18:03	07/02/19 21:56	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	0.834	--	1	07/02/19 18:03	07/02/19 21:56	EPA 3050B	1,6010D	AB
Zinc, Total	17.6		mg/kg	2.08	--	1	07/02/19 18:03	07/02/19 21:56	EPA 3050B	1,6010D	AB

Project Name: SALEM FORMER WWTF **Lab Number:** L1927882

Project Number: 231841 **Report Date:** 07/03/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-04 Batch: WG1255572-1										
Mercury, Total	ND		mg/kg	0.083	--	1	07/02/19 07:30	07/02/19 15:41	1,7471B	GD

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-04 Batch: WG1255896-1										
Antimony, Total	ND		mg/kg	2.00	--	1	07/02/19 18:03	07/02/19 19:56	1,6010D	AB
Arsenic, Total	ND		mg/kg	0.400	--	1	07/02/19 18:03	07/02/19 19:56	1,6010D	AB
Beryllium, Total	ND		mg/kg	0.200	--	1	07/02/19 18:03	07/02/19 19:56	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.400	--	1	07/02/19 18:03	07/02/19 19:56	1,6010D	AB
Chromium, Total	ND		mg/kg	0.400	--	1	07/02/19 18:03	07/02/19 19:56	1,6010D	AB
Copper, Total	ND		mg/kg	0.400	--	1	07/02/19 18:03	07/02/19 19:56	1,6010D	AB
Lead, Total	ND		mg/kg	2.00	--	1	07/02/19 18:03	07/02/19 19:56	1,6010D	AB
Nickel, Total	ND		mg/kg	1.00	--	1	07/02/19 18:03	07/02/19 19:56	1,6010D	AB
Selenium, Total	ND		mg/kg	0.800	--	1	07/02/19 18:03	07/02/19 19:56	1,6010D	AB
Silver, Total	ND		mg/kg	0.400	--	1	07/02/19 18:03	07/02/19 19:56	1,6010D	AB
Thallium, Total	ND		mg/kg	0.800	--	1	07/02/19 18:03	07/02/19 19:56	1,6010D	AB
Zinc, Total	ND		mg/kg	2.00	--	1	07/02/19 18:03	07/02/19 19:56	1,6010D	AB

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 231841

Lab Number: L1927882

Report Date: 07/03/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1255572-2 SRM Lot Number: D105-540								
Mercury, Total	109		-		60-141	-		
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1255896-2 SRM Lot Number: D105-540								
Antimony, Total	158		-		19-249	-		
Arsenic, Total	100		-		70-130	-		
Beryllium, Total	98		-		75-125	-		
Cadmium, Total	92		-		75-125	-		
Chromium, Total	88		-		70-130	-		
Copper, Total	97		-		75-125	-		
Lead, Total	94		-		71-128	-		
Nickel, Total	92		-		70-131	-		
Selenium, Total	95		-		63-137	-		
Silver, Total	96		-		69-131	-		
Thallium, Total	91		-		68-132	-		
Zinc, Total	93		-		70-130	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 231841

Lab Number: L1927882
Report Date: 07/03/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1255572-3 QC Sample: L1927431-01 Client ID: MS Sample												
Mercury, Total	ND	0.156	0.156	100		-	-		80-120	-		20
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1255896-3 QC Sample: L1927186-01 Client ID: MS Sample												
Antimony, Total	ND	48.9	31.8	**65**	Q	-	-		75-125	-		20
Arsenic, Total	2.72	11.7	11.8	77		-	-		75-125	-		20
Beryllium, Total	0.504	4.89	3.94	**70**	Q	-	-		75-125	-		20
Cadmium, Total	1.39	4.98	4.65	**65**	Q	-	-		75-125	-		20
Chromium, Total	23.6	19.5	33.2	**49**	Q	-	-		75-125	-		20
Copper, Total	30.2	24.4	50.3	82		-	-		75-125	-		20
Lead, Total	7.63	49.8	34.2	**53**	Q	-	-		75-125	-		20
Nickel, Total	16.9	48.9	43.8	**55**	Q	-	-		75-125	-		20
Selenium, Total	ND	11.7	6.35	**54**	Q	-	-		75-125	-		20
Silver, Total	ND	29.3	20.4	**70**	Q	-	-		75-125	-		20
Thallium, Total	ND	11.7	5.09	**43**	Q	-	-		75-125	-		20
Zinc, Total	45.8	48.9	74.6	**59**	Q	-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 231841

Lab Number: L1927882

Report Date: 07/03/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1255572-4 QC Sample: L1927431-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1255896-4 QC Sample: L1927186-01 Client ID: DUP Sample						
Lead, Total	7.63	8.12	mg/kg	6		20

INORGANICS
&
MISCELLANEOUS

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1927882
Report Date: 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-01
Client ID: S-1
Sample Location: SALEM, NH

Date Collected: 06/26/19 08:50
Date Received: 06/26/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material: Unknown
Description of Material: Non-Metallic - Damp Soil
Particle Size: Medium
Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/27/19 05:50	1,1030	GD

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1927882
Report Date: 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-02
Client ID: S-2
Sample Location: SALEM, NH

Date Collected: 06/26/19 08:55
Date Received: 06/26/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/27/19 05:50	1,1030	GD

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1927882
Report Date: 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-03
Client ID: S-3
Sample Location: SALEM, NH
Date Collected: 06/26/19 09:00
Date Received: 06/26/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/27/19 05:50	1,1030	GD

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1927882
Report Date: 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-04
Client ID: S-4
Sample Location: SALEM, NH

Date Collected: 06/26/19 09:05
Date Received: 06/26/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material: Unknown
Description of Material: Non-Metallic - Damp Soil
Particle Size: Medium
Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/27/19 06:50	1,1030	GD

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1927882
Report Date: 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-01
Client ID: S-1
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 06/26/19 08:50
Date Received: 06/26/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.6		%	0.100	NA	1	-	06/27/19 04:31	121,2540G	YA
pH (H)	7.9		SU	-	NA	1	-	06/27/19 01:06	1,9045D	DS
Cyanide, Reactive	ND		mg/kg	10	--	1	06/27/19 03:26	06/27/19 05:29	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	--	1	06/27/19 03:26	06/27/19 05:16	125,7.3	KF

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1927882
Report Date: 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-02
Client ID: S-2
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 06/26/19 08:55
Date Received: 06/26/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.4		%	0.100	NA	1	-	06/27/19 04:31	121,2540G	YA
pH (H)	8.0		SU	-	NA	1	-	06/27/19 01:06	1,9045D	DS
Cyanide, Reactive	ND		mg/kg	10	--	1	06/27/19 03:26	06/27/19 05:29	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	--	1	06/27/19 03:26	06/27/19 05:17	125,7.3	KF

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1927882
Report Date: 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-03
Client ID: S-3
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 06/26/19 09:00
Date Received: 06/26/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.4		%	0.100	NA	1	-	06/27/19 04:31	121,2540G	YA
pH (H)	7.9		SU	-	NA	1	-	06/27/19 01:06	1,9045D	DS
Cyanide, Reactive	ND		mg/kg	10	--	1	06/27/19 03:26	06/27/19 05:30	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	--	1	06/27/19 03:26	06/27/19 05:18	125,7.3	KF

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1927882
Report Date: 07/03/19

SAMPLE RESULTS

Lab ID: L1927882-04
Client ID: S-4
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 06/26/19 09:05
Date Received: 06/26/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.0		%	0.100	NA	1	-	06/27/19 04:31	121,2540G	YA
pH (H)	8.0		SU	-	NA	1	-	06/27/19 01:06	1,9045D	DS
Cyanide, Reactive	ND		mg/kg	10	--	1	06/27/19 03:26	06/27/19 05:30	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	--	1	06/27/19 03:26	06/27/19 05:18	125,7.3	KF

Project Name: SALEM FORMER WWTF **Lab Number:** L1927882

Project Number: 231841 **Report Date:** 07/03/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-04 Batch: WG1253655-4										
Sulfide, Reactive	ND		mg/kg	10	--	1	06/27/19 03:26	06/27/19 05:15	125,7.3	KF
General Chemistry - Westborough Lab for sample(s): 01-04 Batch: WG1253656-4										
Cyanide, Reactive	ND		mg/kg	10	--	1	06/27/19 03:26	06/27/19 05:28	125,7.3	KF

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 231841

Lab Number: L1927882

Report Date: 07/03/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG1253628-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG1253655-5								
Sulfide, Reactive	81		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG1253656-5								
Cyanide, Reactive	89		-		30-125	-		40

Lab Duplicate Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 231841

Lab Number: L1927882

Report Date: 07/03/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1253628-2 QC Sample: L1927829-14 Client ID: DUP Sample						
pH	8.1	8.1	SU	0		5
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1253655-6 QC Sample: L1927904-01 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1253656-6 QC Sample: L1927904-01 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1253669-1 QC Sample: L1927828-02 Client ID: DUP Sample						
Solids, Total	86.1	83.0	%	4		20

Project Name: SALEM FORMER WWTF
Project Number: 231841

Lab Number: L1927882
Report Date: 07/03/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1927882-01A	Vial MeOH preserved	A	NA		3.8	Y	Absent		8260HLW-NH(14)
L1927882-01B	Vial water preserved	A	NA		3.8	Y	Absent	26-JUN-19 19:16	8260HLW-NH(14)
L1927882-01C	Vial water preserved	A	NA		3.8	Y	Absent	26-JUN-19 19:16	8260HLW-NH(14)
L1927882-01D	Plastic 2oz unpreserved for TS	A	NA		3.8	Y	Absent		TS(7)
L1927882-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.8	Y	Absent		BE-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)
L1927882-01F	Glass 500ml/16oz unpreserved	A	NA		3.8	Y	Absent		8270TCL(14),IGNIT-1030(14),REACTS(14),PCB-8082(14),PH-9045(1),PEST-8081(14),HERB-8151(14),REACTCN(14),TPH-DRO-D(14)
L1927882-02A	Vial MeOH preserved	A	NA		3.8	Y	Absent		8260HLW-NH(14)
L1927882-02B	Vial water preserved	A	NA		3.8	Y	Absent	26-JUN-19 19:16	8260HLW-NH(14)
L1927882-02C	Vial water preserved	A	NA		3.8	Y	Absent	26-JUN-19 19:16	8260HLW-NH(14)
L1927882-02D	Plastic 2oz unpreserved for TS	A	NA		3.8	Y	Absent		TS(7)
L1927882-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.8	Y	Absent		BE-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)
L1927882-02F	Glass 500ml/16oz unpreserved	A	NA		3.8	Y	Absent		8270TCL(14),IGNIT-1030(14),REACTS(14),PCB-8082(14),PH-9045(1),PEST-8081(14),HERB-8151(14),REACTCN(14),TPH-DRO-D(14)
L1927882-03A	Vial MeOH preserved	A	NA		3.8	Y	Absent		8260HLW-NH(14)
L1927882-03B	Vial water preserved	A	NA		3.8	Y	Absent	26-JUN-19 19:16	8260HLW-NH(14)
L1927882-03C	Vial water preserved	A	NA		3.8	Y	Absent	26-JUN-19 19:16	8260HLW-NH(14)
L1927882-03D	Plastic 2oz unpreserved for TS	A	NA		3.8	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: SALEM FORMER WWTF
Project Number: 231841

Lab Number: L1927882
Report Date: 07/03/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1927882-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.8	Y	Absent		BE-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)
L1927882-03F	Glass 500ml/16oz unpreserved	A	NA		3.8	Y	Absent		8270TCL(14),IGNIT-1030(14),REACTS(14),PCB-8082(14),PH-9045(1),PEST-8081(14),HERB-8151(14),REACTCN(14),TPH-DRO-D(14)
L1927882-04A	Vial MeOH preserved	A	NA		3.8	Y	Absent		8260HLW-NH(14)
L1927882-04B	Vial water preserved	A	NA		3.8	Y	Absent	26-JUN-19 19:16	8260HLW-NH(14)
L1927882-04C	Vial water preserved	A	NA		3.8	Y	Absent	26-JUN-19 19:16	8260HLW-NH(14)
L1927882-04D	Plastic 2oz unpreserved for TS	A	NA		3.8	Y	Absent		TS(7)
L1927882-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.8	Y	Absent		BE-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)
L1927882-04F	Glass 500ml/16oz unpreserved	A	NA		3.8	Y	Absent		8270TCL(14),IGNIT-1030(14),REACTS(14),PCB-8082(14),PH-9045(1),PEST-8081(14),HERB-8151(14),REACTCN(14),TPH-DRO-D(14)

*Values in parentheses indicate holding time in days

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1927882
Project Number:	231841	**Report Date:**	07/03/19

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: Data Usability Report

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1927882
Project Number:	231841	**Report Date:**	07/03/19

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: Data Usability Report

Project Name: SALEM FORMER WWTF **Lab Number:** L1927882

Project Number: 231841 **Report Date:** 07/03/19

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

EPA 6860: SCM: Perchlorate

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 6/26/19

ALPHA Job #: L1927882

ALPHA ANALYTICAL
8 Walkup Drive, Westboro, MA 01581, Tel: 508-898-9220
320 Forbes Blvd, Mansfield, MA 02048, Tel: 508-822-9300

Client Information

Client: Woodard & Curran
Address: 40 Shattuck Rd. Andover, MA
Phone: 978-482-7908
Email: 301ney@woodardcurran.com

Additional Project Information:

Project Information

Project Name: Salem Former WWTF
Project Location: Salem, NH
Project #: 231841
Project Manager: Jarrod Yoder
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due:

Report Information - Data Deliverables

☒ ADEx ☒ EMAIL

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements & Project Information Requirements

☐ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods
☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
☐ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)
☐ Yes ☐ No NPDES RGP NHDES Waste
☒ Other State /Fed Program Characterization Criteria

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	VOC: ☒ 8260 ☐ 624 ☐ 524.2	SVOC: ☐ ABN ☐ PAH	METALS: ☐ MCP 13 ☐ MCP 14 ☐ RCP 15	METALS: ☐ RCRA5 ☐ RCRA8 ☒ PP13	EPH: ☐ Ranges & Targets ☐ Ranges Only	VPH: ☐ Ranges & Targets ☐ Ranges Only	☒ PCB ☒ PEST+herbicides	TPH: ☒ Quant Only ☐ Fingerprint	SVOCs 8270D	Total Solids	Corrosivity & Reactivity	Sample Comments	TOTAL # BOTTLES
27882-01	S-1	6/26/19	0850	Soil	CSM	X			X			X	X	X	X	X		6
-02	S-2	6/26/19	0855	Soil	CSM	X			X			X	X	X	X	X		6
-03	S-3	6/26/19	0900	Soil	CSM	X			X			X	X	X	X	X		6
-04	S-4	6/26/19	0905	Soil	CSM	X			X			X	X	X	X	X		6
Container Type						V			G			A	A	A	P	A		
Preservative						F,O			A			A	A	A	A	A		

SAMPLE INFO
Filtration: ☐ Field ☐ Lab to do
Preservation: ☐ Lab to do

Container Type
P= Plastic
A= Amber glass
V= Vial
G= Glass
B= Bacteria cup
C= Cube
O= Other
E= Encore
D= BOD Bottle

Preservative
A= None
B= HCl
C= HNO_3
D= H_2SO_4
E= NaOH
F= MeOH
G= $NaHSO_4$
H = $Na_2S_2O_3$
I= Ascorbic Acid
J = NH_4Cl
K= Zn Acetate
O= Other

Relinquished By:	Date/Time	Received By:	Date/Time
[signature] AAL	6/26/19 1233	[signature] AAL	6-26-19 12:33
[signature] AAL	6-26-19 16:45	[signature] AAL	6-26-19 16:45

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)

ANALYTICAL REPORT

Lab Number:	L1928596
Client:	Woodard & Curran 40 Shattuck Road Suite 110 Andover, MA 01810
ATTN:	Jarrod Yoder
Phone:	(978) 557-8150
Project Name:	SALEM FORMER WWTF
Project Number:	231841
Report Date:	07/09/19

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: SALEM FORMER WWTF
Project Number: 231841

Lab Number: L1928596
Report Date: 07/09/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1928596-01	SB19-03(9-11)	SOIL	SALEM, NH	06/26/19 13:55	06/28/19
L1928596-02	SB19-04(19-21)	SOIL	SALEM, NH	06/27/19 10:40	06/28/19
L1928596-03	SB19-05(29-31)	SOIL	SALEM, NH	06/27/19 15:15	06/28/19
L1928596-04	SB19-06(29-31)	SOIL	SALEM, NH	06/28/19 12:00	06/28/19
L1928596-05	SB19-06(29-31)DUP	SOIL	SALEM, NH	06/28/19 12:00	06/28/19
L1928596-06	TRIP BLANK	TRIP BLANK (SOIL)	SALEM, NH	06/19/19 13:55	06/28/19
L1928596-07	SB19-06(44-46)	SOIL	SALEM, NH	06/28/19 13:30	06/28/19

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1928596
Project Number:	231841	**Report Date:**	07/09/19

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

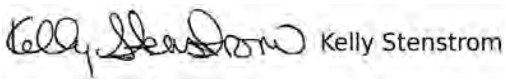
When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Kelly Stenstrom

Title: Technical Director/Representative Date: 07/09/19

ORGANICS

VOLATILES

Project Name: SALEM FORMER WWTF **Lab Number:** L1928596

Project Number: 231841 **Report Date:** 07/09/19

SAMPLE RESULTS

Lab ID: L1928596-01
Client ID: SB19-03(9-11)
Sample Location: SALEM, NH

Date Collected: 06/26/19 13:55
Date Received: 06/28/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/03/19 11:52
Analyst: JC
Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	9.5	--	1
1,1-Dichloroethane	ND		ug/kg	1.9	--	1
Chloroform	ND		ug/kg	2.8	--	1
Carbon tetrachloride	ND		ug/kg	1.9	--	1
1,2-Dichloropropane	ND		ug/kg	1.9	--	1
Dibromochloromethane	ND		ug/kg	1.9	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	--	1
Tetrachloroethene	ND		ug/kg	0.95	--	1
Chlorobenzene	ND		ug/kg	0.95	--	1
Trichlorofluoromethane	ND		ug/kg	7.6	--	1
1,2-Dichloroethane	ND		ug/kg	1.9	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.95	--	1
Bromodichloromethane	ND		ug/kg	0.95	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.9	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.95	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.95	--	1
1,1-Dichloropropene	ND		ug/kg	0.95	--	1
Bromoform	ND		ug/kg	7.6	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.95	--	1
Benzene	ND		ug/kg	0.95	--	1
Toluene	ND		ug/kg	1.9	--	1
Ethylbenzene	ND		ug/kg	1.9	--	1
Chloromethane	ND		ug/kg	7.6	--	1
Bromomethane	ND		ug/kg	3.8	--	1
Vinyl chloride	ND		ug/kg	1.9	--	1
Chloroethane	ND		ug/kg	3.8	--	1
1,1-Dichloroethene	ND		ug/kg	1.9	--	1
trans-1,2-Dichloroethene	ND		ug/kg	2.8	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1928596

Project Number: 231841 **Report Date:** 07/09/19

SAMPLE RESULTS

Lab ID: L1928596-01 Date Collected: 06/26/19 13:55

Client ID: SB19-03(9-11) Date Received: 06/28/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.95	--	1
1,2-Dichlorobenzene	ND		ug/kg	3.8	--	1
1,3-Dichlorobenzene	ND		ug/kg	3.8	--	1
1,4-Dichlorobenzene	ND		ug/kg	3.8	--	1
Methyl tert butyl ether	ND		ug/kg	3.8	--	1
p/m-Xylene	ND		ug/kg	3.8	--	1
o-Xylene	ND		ug/kg	1.9	--	1
Xylenes, Total	ND		ug/kg	1.9	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.9	--	1
1,2-Dichloroethene, Total	ND		ug/kg	1.9	--	1
Dibromomethane	ND		ug/kg	3.8	--	1
1,2,3-Trichloropropane	ND		ug/kg	3.8	--	1
Styrene	ND		ug/kg	1.9	--	1
Dichlorodifluoromethane	ND		ug/kg	19	--	1
Acetone	ND		ug/kg	19	--	1
Carbon disulfide	ND		ug/kg	19	--	1
2-Butanone	ND		ug/kg	19	--	1
4-Methyl-2-pentanone	ND		ug/kg	19	--	1
2-Hexanone	ND		ug/kg	19	--	1
Bromochloromethane	ND		ug/kg	3.8	--	1
Tetrahydrofuran	ND		ug/kg	7.6	--	1
2,2-Dichloropropane	ND		ug/kg	3.8	--	1
1,2-Dibromoethane	ND		ug/kg	1.9	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.95	--	1
Bromobenzene	ND		ug/kg	3.8	--	1
n-Butylbenzene	ND		ug/kg	1.9	--	1
sec-Butylbenzene	ND		ug/kg	1.9	--	1
tert-Butylbenzene	ND		ug/kg	3.8	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	3.8	--	1
o-Chlorotoluene	ND		ug/kg	3.8	--	1
p-Chlorotoluene	ND		ug/kg	3.8	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.7	--	1
Hexachlorobutadiene	ND		ug/kg	7.6	--	1
Isopropylbenzene	ND		ug/kg	1.9	--	1
p-Isopropyltoluene	ND		ug/kg	1.9	--	1
Naphthalene	ND		ug/kg	7.6	--	1
n-Propylbenzene	ND		ug/kg	1.9	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1928596

Project Number: 231841 **Report Date:** 07/09/19

SAMPLE RESULTS

Lab ID: L1928596-01 Date Collected: 06/26/19 13:55

Client ID: SB19-03(9-11) Date Received: 06/28/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	3.8	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.8	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.8	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.8	--	1
Ethyl ether	ND		ug/kg	3.8	--	1
Isopropyl Ether	ND		ug/kg	3.8	--	1
Tert-Butyl Alcohol	ND		ug/kg	38	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	3.8	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	3.8	--	1
1,4-Dioxane	ND		ug/kg	150	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	102		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1928596

Project Number: 231841 **Report Date:** 07/09/19

SAMPLE RESULTS

Lab ID: L1928596-02
Client ID: SB19-04(19-21)
Sample Location: SALEM, NH

Date Collected: 06/27/19 10:40
Date Received: 06/28/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/03/19 12:18
Analyst: JC
Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.1	--	1
1,1-Dichloroethane	ND		ug/kg	0.81	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.81	--	1
1,2-Dichloropropane	ND		ug/kg	0.81	--	1
Dibromochloromethane	ND		ug/kg	0.81	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.81	--	1
Tetrachloroethene	ND		ug/kg	0.41	--	1
Chlorobenzene	ND		ug/kg	0.41	--	1
Trichlorofluoromethane	ND		ug/kg	3.2	--	1
1,2-Dichloroethane	ND		ug/kg	0.81	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.41	--	1
Bromodichloromethane	ND		ug/kg	0.41	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.81	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.41	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.41	--	1
1,1-Dichloropropene	ND		ug/kg	0.41	--	1
Bromoform	ND		ug/kg	3.2	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.41	--	1
Benzene	ND		ug/kg	0.41	--	1
Toluene	ND		ug/kg	0.81	--	1
Ethylbenzene	ND		ug/kg	0.81	--	1
Chloromethane	ND		ug/kg	3.2	--	1
Bromomethane	ND		ug/kg	1.6	--	1
Vinyl chloride	ND		ug/kg	0.81	--	1
Chloroethane	ND		ug/kg	1.6	--	1
1,1-Dichloroethene	ND		ug/kg	0.81	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1928596

Project Number: 231841 **Report Date:** 07/09/19

SAMPLE RESULTS

Lab ID: L1928596-02 Date Collected: 06/27/19 10:40

Client ID: SB19-04(19-21) Date Received: 06/28/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.41	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.6	--	1
Methyl tert butyl ether	ND		ug/kg	1.6	--	1
p/m-Xylene	ND		ug/kg	1.6	--	1
o-Xylene	ND		ug/kg	0.81	--	1
Xylenes, Total	ND		ug/kg	0.81	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.81	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.81	--	1
Dibromomethane	ND		ug/kg	1.6	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.6	--	1
Styrene	ND		ug/kg	0.81	--	1
Dichlorodifluoromethane	ND		ug/kg	8.1	--	1
Acetone	ND		ug/kg	8.1	--	1
Carbon disulfide	ND		ug/kg	8.1	--	1
2-Butanone	ND		ug/kg	8.1	--	1
4-Methyl-2-pentanone	ND		ug/kg	8.1	--	1
2-Hexanone	ND		ug/kg	8.1	--	1
Bromochloromethane	ND		ug/kg	1.6	--	1
Tetrahydrofuran	ND		ug/kg	3.2	--	1
2,2-Dichloropropane	ND		ug/kg	1.6	--	1
1,2-Dibromoethane	ND		ug/kg	0.81	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.41	--	1
Bromobenzene	ND		ug/kg	1.6	--	1
n-Butylbenzene	ND		ug/kg	0.81	--	1
sec-Butylbenzene	ND		ug/kg	0.81	--	1
tert-Butylbenzene	ND		ug/kg	1.6	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.6	--	1
o-Chlorotoluene	ND		ug/kg	1.6	--	1
p-Chlorotoluene	ND		ug/kg	1.6	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.4	--	1
Hexachlorobutadiene	ND		ug/kg	3.2	--	1
Isopropylbenzene	ND		ug/kg	0.81	--	1
p-Isopropyltoluene	ND		ug/kg	0.81	--	1
Naphthalene	ND		ug/kg	3.2	--	1
n-Propylbenzene	ND		ug/kg	0.81	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1928596

Project Number: 231841 **Report Date:** 07/09/19

SAMPLE RESULTS

Lab ID: L1928596-02 Date Collected: 06/27/19 10:40

Client ID: SB19-04(19-21) Date Received: 06/28/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.6	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.6	--	1
Ethyl ether	ND		ug/kg	1.6	--	1
Isopropyl Ether	ND		ug/kg	1.6	--	1
Tert-Butyl Alcohol	ND		ug/kg	16	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.6	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.6	--	1
1,4-Dioxane	ND		ug/kg	65	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	104		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1928596

Project Number: 231841 **Report Date:** 07/09/19

SAMPLE RESULTS

Lab ID: L1928596-03
Client ID: SB19-05(29-31)
Sample Location: SALEM, NH

Date Collected: 06/27/19 15:15
Date Received: 06/28/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/03/19 12:45
Analyst: JC
Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.7	--	1
1,1-Dichloroethane	ND		ug/kg	0.74	--	1
Chloroform	ND		ug/kg	1.1	--	1
Carbon tetrachloride	ND		ug/kg	0.74	--	1
1,2-Dichloropropane	ND		ug/kg	0.74	--	1
Dibromochloromethane	ND		ug/kg	0.74	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.74	--	1
Tetrachloroethene	ND		ug/kg	0.37	--	1
Chlorobenzene	ND		ug/kg	0.37	--	1
Trichlorofluoromethane	ND		ug/kg	3.0	--	1
1,2-Dichloroethane	ND		ug/kg	0.74	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.37	--	1
Bromodichloromethane	ND		ug/kg	0.37	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.74	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.37	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.37	--	1
1,1-Dichloropropene	ND		ug/kg	0.37	--	1
Bromoform	ND		ug/kg	3.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.37	--	1
Benzene	ND		ug/kg	0.37	--	1
Toluene	ND		ug/kg	0.74	--	1
Ethylbenzene	ND		ug/kg	0.74	--	1
Chloromethane	ND		ug/kg	3.0	--	1
Bromomethane	ND		ug/kg	1.5	--	1
Vinyl chloride	ND		ug/kg	0.74	--	1
Chloroethane	ND		ug/kg	1.5	--	1
1,1-Dichloroethene	ND		ug/kg	0.74	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.1	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1928596

Project Number: 231841 **Report Date:** 07/09/19

SAMPLE RESULTS

Lab ID: L1928596-03 Date Collected: 06/27/19 15:15

Client ID: SB19-05(29-31) Date Received: 06/28/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.37	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.5	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.5	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.5	--	1
Methyl tert butyl ether	ND		ug/kg	1.5	--	1
p/m-Xylene	ND		ug/kg	1.5	--	1
o-Xylene	ND		ug/kg	0.74	--	1
Xylenes, Total	ND		ug/kg	0.74	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.74	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.74	--	1
Dibromomethane	ND		ug/kg	1.5	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.5	--	1
Styrene	ND		ug/kg	0.74	--	1
Dichlorodifluoromethane	ND		ug/kg	7.4	--	1
Acetone	8.5		ug/kg	7.4	--	1
Carbon disulfide	ND		ug/kg	7.4	--	1
2-Butanone	ND		ug/kg	7.4	--	1
4-Methyl-2-pentanone	ND		ug/kg	7.4	--	1
2-Hexanone	ND		ug/kg	7.4	--	1
Bromochloromethane	ND		ug/kg	1.5	--	1
Tetrahydrofuran	ND		ug/kg	3.0	--	1
2,2-Dichloropropane	ND		ug/kg	1.5	--	1
1,2-Dibromoethane	ND		ug/kg	0.74	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.37	--	1
Bromobenzene	ND		ug/kg	1.5	--	1
n-Butylbenzene	ND		ug/kg	0.74	--	1
sec-Butylbenzene	ND		ug/kg	0.74	--	1
tert-Butylbenzene	ND		ug/kg	1.5	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.5	--	1
o-Chlorotoluene	ND		ug/kg	1.5	--	1
p-Chlorotoluene	ND		ug/kg	1.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.2	--	1
Hexachlorobutadiene	ND		ug/kg	3.0	--	1
Isopropylbenzene	ND		ug/kg	0.74	--	1
p-Isopropyltoluene	ND		ug/kg	0.74	--	1
Naphthalene	ND		ug/kg	3.0	--	1
n-Propylbenzene	ND		ug/kg	0.74	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1928596

Project Number: 231841 **Report Date:** 07/09/19

SAMPLE RESULTS

Lab ID: L1928596-03 Date Collected: 06/27/19 15:15

Client ID: SB19-05(29-31) Date Received: 06/28/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.5	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.5	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.5	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.5	--	1
Ethyl ether	ND		ug/kg	1.5	--	1
Isopropyl Ether	ND		ug/kg	1.5	--	1
Tert-Butyl Alcohol	ND		ug/kg	15	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.5	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.5	--	1
1,4-Dioxane	ND		ug/kg	60	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	104		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1928596

Project Number: 231841 **Report Date:** 07/09/19

SAMPLE RESULTS

Lab ID: L1928596-04
Client ID: SB19-06(29-31)
Sample Location: SALEM, NH

Date Collected: 06/28/19 12:00
Date Received: 06/28/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/03/19 13:39
Analyst: MV
Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	620	--	1
1,1-Dichloroethane	ND		ug/kg	120	--	1
Chloroform	ND		ug/kg	190	--	1
Carbon tetrachloride	ND		ug/kg	120	--	1
1,2-Dichloropropane	ND		ug/kg	120	--	1
Dibromochloromethane	ND		ug/kg	120	--	1
1,1,2-Trichloroethane	ND		ug/kg	120	--	1
Tetrachloroethene	ND		ug/kg	62	--	1
Chlorobenzene	ND		ug/kg	62	--	1
Trichlorofluoromethane	ND		ug/kg	500	--	1
1,2-Dichloroethane	ND		ug/kg	120	--	1
1,1,1-Trichloroethane	ND		ug/kg	62	--	1
Bromodichloromethane	ND		ug/kg	62	--	1
trans-1,3-Dichloropropene	ND		ug/kg	120	--	1
cis-1,3-Dichloropropene	ND		ug/kg	62	--	1
1,3-Dichloropropene, Total	ND		ug/kg	62	--	1
1,1-Dichloropropene	ND		ug/kg	62	--	1
Bromoform	ND		ug/kg	500	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	62	--	1
Benzene	ND		ug/kg	62	--	1
Toluene	ND		ug/kg	120	--	1
Ethylbenzene	ND		ug/kg	120	--	1
Chloromethane	ND		ug/kg	500	--	1
Bromomethane	ND		ug/kg	250	--	1
Vinyl chloride	740		ug/kg	120	--	1
Chloroethane	ND		ug/kg	250	--	1
1,1-Dichloroethene	ND		ug/kg	120	--	1
trans-1,2-Dichloroethene	ND		ug/kg	190	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1928596

Project Number: 231841 **Report Date:** 07/09/19

SAMPLE RESULTS

Lab ID: L1928596-04 Date Collected: 06/28/19 12:00

Client ID: SB19-06(29-31) Date Received: 06/28/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	62	--	1
1,2-Dichlorobenzene	ND		ug/kg	250	--	1
1,3-Dichlorobenzene	ND		ug/kg	250	--	1
1,4-Dichlorobenzene	ND		ug/kg	250	--	1
Methyl tert butyl ether	ND		ug/kg	250	--	1
p/m-Xylene	ND		ug/kg	250	--	1
o-Xylene	ND		ug/kg	120	--	1
Xylenes, Total	ND		ug/kg	120	--	1
cis-1,2-Dichloroethene	3200		ug/kg	120	--	1
1,2-Dichloroethene, Total	3200		ug/kg	120	--	1
Dibromomethane	ND		ug/kg	250	--	1
1,2,3-Trichloropropane	ND		ug/kg	250	--	1
Styrene	ND		ug/kg	120	--	1
Dichlorodifluoromethane	ND		ug/kg	1200	--	1
Acetone	ND		ug/kg	1200	--	1
Carbon disulfide	ND		ug/kg	1200	--	1
2-Butanone	ND		ug/kg	1200	--	1
4-Methyl-2-pentanone	ND		ug/kg	1200	--	1
2-Hexanone	ND		ug/kg	1200	--	1
Bromochloromethane	ND		ug/kg	250	--	1
Tetrahydrofuran	ND		ug/kg	500	--	1
2,2-Dichloropropane	ND		ug/kg	250	--	1
1,2-Dibromoethane	ND		ug/kg	120	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	62	--	1
Bromobenzene	ND		ug/kg	250	--	1
n-Butylbenzene	ND		ug/kg	120	--	1
sec-Butylbenzene	ND		ug/kg	120	--	1
tert-Butylbenzene	ND		ug/kg	250	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	250	--	1
o-Chlorotoluene	ND		ug/kg	250	--	1
p-Chlorotoluene	ND		ug/kg	250	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	370	--	1
Hexachlorobutadiene	ND		ug/kg	500	--	1
Isopropylbenzene	ND		ug/kg	120	--	1
p-Isopropyltoluene	ND		ug/kg	120	--	1
Naphthalene	ND		ug/kg	500	--	1
n-Propylbenzene	ND		ug/kg	120	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1928596

Project Number: 231841 **Report Date:** 07/09/19

SAMPLE RESULTS

Lab ID: L1928596-04 Date Collected: 06/28/19 12:00

Client ID: SB19-06(29-31) Date Received: 06/28/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	250	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	250	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	250	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	250	--	1
Ethyl ether	ND		ug/kg	250	--	1
Isopropyl Ether	ND		ug/kg	250	--	1
Tert-Butyl Alcohol	ND		ug/kg	2500	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	250	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	250	--	1
1,4-Dioxane	ND		ug/kg	10000	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	100		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1928596

Project Number: 231841 **Report Date:** 07/09/19

SAMPLE RESULTS

Lab ID: L1928596-05 Date Collected: 06/28/19 12:00
Client ID: SB19-06(29-31)DUP Date Received: 06/28/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/03/19 14:05
Analyst: MV
Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	680	--	1
1,1-Dichloroethane	ND		ug/kg	140	--	1
Chloroform	ND		ug/kg	200	--	1
Carbon tetrachloride	ND		ug/kg	140	--	1
1,2-Dichloropropane	ND		ug/kg	140	--	1
Dibromochloromethane	ND		ug/kg	140	--	1
1,1,2-Trichloroethane	ND		ug/kg	140	--	1
Tetrachloroethene	ND		ug/kg	68	--	1
Chlorobenzene	ND		ug/kg	68	--	1
Trichlorofluoromethane	ND		ug/kg	550	--	1
1,2-Dichloroethane	ND		ug/kg	140	--	1
1,1,1-Trichloroethane	ND		ug/kg	68	--	1
Bromodichloromethane	ND		ug/kg	68	--	1
trans-1,3-Dichloropropene	ND		ug/kg	140	--	1
cis-1,3-Dichloropropene	ND		ug/kg	68	--	1
1,3-Dichloropropene, Total	ND		ug/kg	68	--	1
1,1-Dichloropropene	ND		ug/kg	68	--	1
Bromoform	ND		ug/kg	550	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	68	--	1
Benzene	ND		ug/kg	68	--	1
Toluene	ND		ug/kg	140	--	1
Ethylbenzene	ND		ug/kg	140	--	1
Chloromethane	ND		ug/kg	550	--	1
Bromomethane	ND		ug/kg	270	--	1
Vinyl chloride	710		ug/kg	140	--	1
Chloroethane	ND		ug/kg	270	--	1
1,1-Dichloroethene	ND		ug/kg	140	--	1
trans-1,2-Dichloroethene	ND		ug/kg	200	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1928596

Project Number: 231841 **Report Date:** 07/09/19

SAMPLE RESULTS

Lab ID: L1928596-05 Date Collected: 06/28/19 12:00

Client ID: SB19-06(29-31)DUP Date Received: 06/28/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	68	--	1
1,2-Dichlorobenzene	ND		ug/kg	270	--	1
1,3-Dichlorobenzene	ND		ug/kg	270	--	1
1,4-Dichlorobenzene	ND		ug/kg	270	--	1
Methyl tert butyl ether	ND		ug/kg	270	--	1
p/m-Xylene	ND		ug/kg	270	--	1
o-Xylene	ND		ug/kg	140	--	1
Xylenes, Total	ND		ug/kg	140	--	1
cis-1,2-Dichloroethene	2700		ug/kg	140	--	1
1,2-Dichloroethene, Total	2700		ug/kg	140	--	1
Dibromomethane	ND		ug/kg	270	--	1
1,2,3-Trichloropropane	ND		ug/kg	270	--	1
Styrene	ND		ug/kg	140	--	1
Dichlorodifluoromethane	ND		ug/kg	1400	--	1
Acetone	ND		ug/kg	1400	--	1
Carbon disulfide	ND		ug/kg	1400	--	1
2-Butanone	ND		ug/kg	1400	--	1
4-Methyl-2-pentanone	ND		ug/kg	1400	--	1
2-Hexanone	ND		ug/kg	1400	--	1
Bromochloromethane	ND		ug/kg	270	--	1
Tetrahydrofuran	ND		ug/kg	550	--	1
2,2-Dichloropropane	ND		ug/kg	270	--	1
1,2-Dibromoethane	ND		ug/kg	140	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	68	--	1
Bromobenzene	ND		ug/kg	270	--	1
n-Butylbenzene	ND		ug/kg	140	--	1
sec-Butylbenzene	ND		ug/kg	140	--	1
tert-Butylbenzene	ND		ug/kg	270	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	270	--	1
o-Chlorotoluene	ND		ug/kg	270	--	1
p-Chlorotoluene	ND		ug/kg	270	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	410	--	1
Hexachlorobutadiene	ND		ug/kg	550	--	1
Isopropylbenzene	ND		ug/kg	140	--	1
p-Isopropyltoluene	ND		ug/kg	140	--	1
Naphthalene	ND		ug/kg	550	--	1
n-Propylbenzene	ND		ug/kg	140	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1928596

Project Number: 231841 **Report Date:** 07/09/19

SAMPLE RESULTS

Lab ID: L1928596-05 Date Collected: 06/28/19 12:00

Client ID: SB19-06(29-31)DUP Date Received: 06/28/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	270	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	270	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	270	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	270	--	1
Ethyl ether	ND		ug/kg	270	--	1
Isopropyl Ether	ND		ug/kg	270	--	1
Tert-Butyl Alcohol	ND		ug/kg	2700	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	270	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	270	--	1
1,4-Dioxane	ND		ug/kg	11000	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	101		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1928596

Project Number: 231841 **Report Date:** 07/09/19

SAMPLE RESULTS

Lab ID: L1928596-06 Date Collected: 06/19/19 13:55
Client ID: TRIP BLANK Date Received: 06/28/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Trip Blank (Soil)
Analytical Method: 1,8260C
Analytical Date: 07/03/19 08:19
Analyst: JC
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	250	--	1
1,1-Dichloroethane	ND		ug/kg	50	--	1
Chloroform	ND		ug/kg	75	--	1
Carbon tetrachloride	ND		ug/kg	50	--	1
1,2-Dichloropropane	ND		ug/kg	50	--	1
Dibromochloromethane	ND		ug/kg	50	--	1
1,1,2-Trichloroethane	ND		ug/kg	50	--	1
Tetrachloroethene	ND		ug/kg	25	--	1
Chlorobenzene	ND		ug/kg	25	--	1
Trichlorofluoromethane	ND		ug/kg	200	--	1
1,2-Dichloroethane	ND		ug/kg	50	--	1
1,1,1-Trichloroethane	ND		ug/kg	25	--	1
Bromodichloromethane	ND		ug/kg	25	--	1
trans-1,3-Dichloropropene	ND		ug/kg	50	--	1
cis-1,3-Dichloropropene	ND		ug/kg	25	--	1
1,3-Dichloropropene, Total	ND		ug/kg	25	--	1
1,1-Dichloropropene	ND		ug/kg	25	--	1
Bromoform	ND		ug/kg	200	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	--	1
Benzene	ND		ug/kg	25	--	1
Toluene	ND		ug/kg	50	--	1
Ethylbenzene	ND		ug/kg	50	--	1
Chloromethane	ND		ug/kg	200	--	1
Bromomethane	ND		ug/kg	100	--	1
Vinyl chloride	ND		ug/kg	50	--	1
Chloroethane	ND		ug/kg	100	--	1
1,1-Dichloroethene	ND		ug/kg	50	--	1
trans-1,2-Dichloroethene	ND		ug/kg	75	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1928596

Project Number: 231841 **Report Date:** 07/09/19

SAMPLE RESULTS

Lab ID: L1928596-06 Date Collected: 06/19/19 13:55

Client ID: TRIP BLANK Date Received: 06/28/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	25	--	1
1,2-Dichlorobenzene	ND		ug/kg	100	--	1
1,3-Dichlorobenzene	ND		ug/kg	100	--	1
1,4-Dichlorobenzene	ND		ug/kg	100	--	1
Methyl tert butyl ether	ND		ug/kg	100	--	1
p/m-Xylene	ND		ug/kg	100	--	1
o-Xylene	ND		ug/kg	50	--	1
Xylenes, Total	ND		ug/kg	50	--	1
cis-1,2-Dichloroethene	ND		ug/kg	50	--	1
1,2-Dichloroethene, Total	ND		ug/kg	50	--	1
Dibromomethane	ND		ug/kg	100	--	1
1,2,3-Trichloropropane	ND		ug/kg	100	--	1
Styrene	ND		ug/kg	50	--	1
Dichlorodifluoromethane	ND		ug/kg	500	--	1
Acetone	ND		ug/kg	500	--	1
Carbon disulfide	ND		ug/kg	500	--	1
2-Butanone	ND		ug/kg	500	--	1
4-Methyl-2-pentanone	ND		ug/kg	500	--	1
2-Hexanone	ND		ug/kg	500	--	1
Bromochloromethane	ND		ug/kg	100	--	1
Tetrahydrofuran	ND		ug/kg	200	--	1
2,2-Dichloropropane	ND		ug/kg	100	--	1
1,2-Dibromoethane	ND		ug/kg	50	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	--	1
Bromobenzene	ND		ug/kg	100	--	1
n-Butylbenzene	ND		ug/kg	50	--	1
sec-Butylbenzene	ND		ug/kg	50	--	1
tert-Butylbenzene	ND		ug/kg	100	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	100	--	1
o-Chlorotoluene	ND		ug/kg	100	--	1
p-Chlorotoluene	ND		ug/kg	100	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	--	1
Hexachlorobutadiene	ND		ug/kg	200	--	1
Isopropylbenzene	ND		ug/kg	50	--	1
p-Isopropyltoluene	ND		ug/kg	50	--	1
Naphthalene	ND		ug/kg	200	--	1
n-Propylbenzene	ND		ug/kg	50	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1928596

Project Number: 231841 **Report Date:** 07/09/19

SAMPLE RESULTS

Lab ID: L1928596-06 Date Collected: 06/19/19 13:55

Client ID: TRIP BLANK Date Received: 06/28/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	100	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	100	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	100	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	100	--	1
Ethyl ether	ND		ug/kg	100	--	1
Isopropyl Ether	ND		ug/kg	100	--	1
Tert-Butyl Alcohol	ND		ug/kg	1000	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	100	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	100	--	1
1,4-Dioxane	ND		ug/kg	4000	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	99		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1928596

Project Number: 231841 **Report Date:** 07/09/19

SAMPLE RESULTS

Lab ID: L1928596-06 Date Collected: 06/19/19 13:55
Client ID: TRIP BLANK Date Received: 06/28/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Trip Blank (Soil)
Analytical Method: 1,8260C
Analytical Date: 07/03/19 09:39
Analyst: JC
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	--	1
1,1-Dichloroethane	ND		ug/kg	1.0	--	1
Chloroform	ND		ug/kg	1.5	--	1
Carbon tetrachloride	ND		ug/kg	1.0	--	1
1,2-Dichloropropane	ND		ug/kg	1.0	--	1
Dibromochloromethane	ND		ug/kg	1.0	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	--	1
Tetrachloroethene	ND		ug/kg	0.50	--	1
Chlorobenzene	ND		ug/kg	0.50	--	1
Trichlorofluoromethane	ND		ug/kg	4.0	--	1
1,2-Dichloroethane	ND		ug/kg	1.0	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	--	1
Bromodichloromethane	ND		ug/kg	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--	1
1,1-Dichloropropene	ND		ug/kg	0.50	--	1
Bromoform	ND		ug/kg	4.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--	1
Benzene	ND		ug/kg	0.50	--	1
Toluene	ND		ug/kg	1.0	--	1
Ethylbenzene	ND		ug/kg	1.0	--	1
Chloromethane	ND		ug/kg	4.0	--	1
Bromomethane	ND		ug/kg	2.0	--	1
Vinyl chloride	ND		ug/kg	1.0	--	1
Chloroethane	ND		ug/kg	2.0	--	1
1,1-Dichloroethene	ND		ug/kg	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1928596

Project Number: 231841 **Report Date:** 07/09/19

SAMPLE RESULTS

Lab ID: L1928596-06 Date Collected: 06/19/19 13:55

Client ID: TRIP BLANK Date Received: 06/28/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.50	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	--	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	--	1
Methyl tert butyl ether	ND		ug/kg	2.0	--	1
p/m-Xylene	ND		ug/kg	2.0	--	1
o-Xylene	ND		ug/kg	1.0	--	1
Xylenes, Total	ND		ug/kg	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--	1
Dibromomethane	ND		ug/kg	2.0	--	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	--	1
Styrene	ND		ug/kg	1.0	--	1
Dichlorodifluoromethane	ND		ug/kg	10	--	1
Acetone	ND		ug/kg	10	--	1
Carbon disulfide	ND		ug/kg	10	--	1
2-Butanone	ND		ug/kg	10	--	1
4-Methyl-2-pentanone	ND		ug/kg	10	--	1
2-Hexanone	ND		ug/kg	10	--	1
Bromochloromethane	ND		ug/kg	2.0	--	1
Tetrahydrofuran	ND		ug/kg	4.0	--	1
2,2-Dichloropropane	ND		ug/kg	2.0	--	1
1,2-Dibromoethane	ND		ug/kg	1.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--	1
Bromobenzene	ND		ug/kg	2.0	--	1
n-Butylbenzene	ND		ug/kg	1.0	--	1
sec-Butylbenzene	ND		ug/kg	1.0	--	1
tert-Butylbenzene	ND		ug/kg	2.0	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	2.0	--	1
o-Chlorotoluene	ND		ug/kg	2.0	--	1
p-Chlorotoluene	ND		ug/kg	2.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--	1
Hexachlorobutadiene	ND		ug/kg	4.0	--	1
Isopropylbenzene	ND		ug/kg	1.0	--	1
p-Isopropyltoluene	ND		ug/kg	1.0	--	1
Naphthalene	ND		ug/kg	4.0	--	1
n-Propylbenzene	ND		ug/kg	1.0	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1928596

Project Number: 231841 **Report Date:** 07/09/19

SAMPLE RESULTS

Lab ID: L1928596-06 Date Collected: 06/19/19 13:55

Client ID: TRIP BLANK Date Received: 06/28/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--	1
Ethyl ether	ND		ug/kg	2.0	--	1
Isopropyl Ether	ND		ug/kg	2.0	--	1
Tert-Butyl Alcohol	ND		ug/kg	20	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--	1
1,4-Dioxane	ND		ug/kg	80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	102		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1928596

Project Number: 231841 **Report Date:** 07/09/19

SAMPLE RESULTS

Lab ID: L1928596-07
Client ID: SB19-06(44-46)
Sample Location: SALEM, NH

Date Collected: 06/28/19 13:30
Date Received: 06/28/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/03/19 13:12
Analyst: JC
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.2	--	1
1,1-Dichloroethane	ND		ug/kg	0.65	--	1
Chloroform	ND		ug/kg	0.98	--	1
Carbon tetrachloride	ND		ug/kg	0.65	--	1
1,2-Dichloropropane	ND		ug/kg	0.65	--	1
Dibromochloromethane	ND		ug/kg	0.65	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.65	--	1
Tetrachloroethene	ND		ug/kg	0.32	--	1
Chlorobenzene	ND		ug/kg	0.32	--	1
Trichlorofluoromethane	ND		ug/kg	2.6	--	1
1,2-Dichloroethane	ND		ug/kg	0.65	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.32	--	1
Bromodichloromethane	ND		ug/kg	0.32	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.65	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.32	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.32	--	1
1,1-Dichloropropene	ND		ug/kg	0.32	--	1
Bromoform	ND		ug/kg	2.6	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.32	--	1
Benzene	ND		ug/kg	0.32	--	1
Toluene	ND		ug/kg	0.65	--	1
Ethylbenzene	ND		ug/kg	0.65	--	1
Chloromethane	ND		ug/kg	2.6	--	1
Bromomethane	ND		ug/kg	1.3	--	1
Vinyl chloride	ND		ug/kg	0.65	--	1
Chloroethane	ND		ug/kg	1.3	--	1
1,1-Dichloroethene	ND		ug/kg	0.65	--	1
trans-1,2-Dichloroethene	ND		ug/kg	0.98	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1928596

Project Number: 231841 **Report Date:** 07/09/19

SAMPLE RESULTS

Lab ID: L1928596-07 Date Collected: 06/28/19 13:30

Client ID: SB19-06(44-46) Date Received: 06/28/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.32	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.3	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.3	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.3	--	1
Methyl tert butyl ether	ND		ug/kg	1.3	--	1
p/m-Xylene	ND		ug/kg	1.3	--	1
o-Xylene	ND		ug/kg	0.65	--	1
Xylenes, Total	ND		ug/kg	0.65	--	1
cis-1,2-Dichloroethene	2.0		ug/kg	0.65	--	1
1,2-Dichloroethene, Total	2.0		ug/kg	0.65	--	1
Dibromomethane	ND		ug/kg	1.3	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.3	--	1
Styrene	ND		ug/kg	0.65	--	1
Dichlorodifluoromethane	ND		ug/kg	6.5	--	1
Acetone	ND		ug/kg	6.5	--	1
Carbon disulfide	ND		ug/kg	6.5	--	1
2-Butanone	ND		ug/kg	6.5	--	1
4-Methyl-2-pentanone	ND		ug/kg	6.5	--	1
2-Hexanone	ND		ug/kg	6.5	--	1
Bromochloromethane	ND		ug/kg	1.3	--	1
Tetrahydrofuran	ND		ug/kg	2.6	--	1
2,2-Dichloropropane	ND		ug/kg	1.3	--	1
1,2-Dibromoethane	ND		ug/kg	0.65	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.32	--	1
Bromobenzene	ND		ug/kg	1.3	--	1
n-Butylbenzene	ND		ug/kg	0.65	--	1
sec-Butylbenzene	ND		ug/kg	0.65	--	1
tert-Butylbenzene	ND		ug/kg	1.3	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.3	--	1
o-Chlorotoluene	ND		ug/kg	1.3	--	1
p-Chlorotoluene	ND		ug/kg	1.3	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.0	--	1
Hexachlorobutadiene	ND		ug/kg	2.6	--	1
Isopropylbenzene	ND		ug/kg	0.65	--	1
p-Isopropyltoluene	ND		ug/kg	0.65	--	1
Naphthalene	ND		ug/kg	2.6	--	1
n-Propylbenzene	ND		ug/kg	0.65	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1928596

Project Number: 231841 **Report Date:** 07/09/19

SAMPLE RESULTS

Lab ID: L1928596-07 Date Collected: 06/28/19 13:30

Client ID: SB19-06(44-46) Date Received: 06/28/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.3	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.3	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.3	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.3	--	1
Ethyl ether	ND		ug/kg	1.3	--	1
Isopropyl Ether	ND		ug/kg	1.3	--	1
Tert-Butyl Alcohol	ND		ug/kg	13	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.3	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.3	--	1
1,4-Dioxane	ND		ug/kg	52	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	104		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1928596

Project Number: 231841 **Report Date:** 07/09/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/03/19 06:07
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04-06 Batch: WG1256189-5					
Methylene chloride	ND		ug/kg	250	--
1,1-Dichloroethane	ND		ug/kg	50	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	50	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	50	--
Tetrachloroethene	ND		ug/kg	25	--
Chlorobenzene	ND		ug/kg	25	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	25	--
Bromodichloromethane	ND		ug/kg	25	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	25	--
1,3-Dichloropropene, Total	ND		ug/kg	25	--
1,1-Dichloropropene	ND		ug/kg	25	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	--
Benzene	ND		ug/kg	25	--
Toluene	ND		ug/kg	50	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	50	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	25	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1928596

Project Number: 231841 **Report Date:** 07/09/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/03/19 06:07
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04-06 Batch: WG1256189-5					
1,2-Dichlorobenzene	ND		ug/kg	100	--
1,3-Dichlorobenzene	ND		ug/kg	100	--
1,4-Dichlorobenzene	ND		ug/kg	100	--
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	50	--
Xylenes, Total	ND		ug/kg	50	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
1,2-Dichloroethene, Total	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	100	--
1,2,3-Trichloropropane	ND		ug/kg	100	--
Styrene	ND		ug/kg	50	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	500	--
Carbon disulfide	ND		ug/kg	500	--
2-Butanone	ND		ug/kg	500	--
4-Methyl-2-pentanone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	100	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	100	--
1,2-Dibromoethane	ND		ug/kg	50	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	--
Bromobenzene	ND		ug/kg	100	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	100	--
1,3,5-Trichlorobenzene	ND		ug/kg	100	--
o-Chlorotoluene	ND		ug/kg	100	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1928596

Project Number: 231841 **Report Date:** 07/09/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/03/19 06:07
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04-06 Batch: WG1256189-5					
p-Chlorotoluene	ND		ug/kg	100	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--
1,2,3-Trichlorobenzene	ND		ug/kg	100	--
1,2,4-Trichlorobenzene	ND		ug/kg	100	--
1,3,5-Trimethylbenzene	ND		ug/kg	100	--
1,2,4-Trimethylbenzene	ND		ug/kg	100	--
Ethyl ether	ND		ug/kg	100	--
Isopropyl Ether	ND		ug/kg	100	--
Tert-Butyl Alcohol	ND		ug/kg	1000	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	100	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	100	--
1,4-Dioxane	ND		ug/kg	4000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	98		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1928596

Project Number: 231841 **Report Date:** 07/09/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/03/19 06:07
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03,06-07 Batch: WG1256316-5					
Methylene chloride	ND		ug/kg	5.0	--
1,1-Dichloroethane	ND		ug/kg	1.0	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	1.0	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.0	--
Tetrachloroethene	ND		ug/kg	0.50	--
Chlorobenzene	ND		ug/kg	0.50	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	0.50	--
Bromodichloromethane	ND		ug/kg	0.50	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--
1,1-Dichloropropene	ND		ug/kg	0.50	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--
Benzene	ND		ug/kg	0.50	--
Toluene	ND		ug/kg	1.0	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	1.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	0.50	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1928596

Project Number: 231841 **Report Date:** 07/09/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/03/19 06:07
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03,06-07 Batch: WG1256316-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	--
1,3-Dichlorobenzene	ND		ug/kg	2.0	--
1,4-Dichlorobenzene	ND		ug/kg	2.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	1.0	--
Xylenes, Total	ND		ug/kg	1.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	2.0	--
1,2,3-Trichloropropane	ND		ug/kg	2.0	--
Styrene	ND		ug/kg	1.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	10	--
Carbon disulfide	ND		ug/kg	10	--
2-Butanone	ND		ug/kg	10	--
4-Methyl-2-pentanone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Bromochloromethane	ND		ug/kg	2.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	2.0	--
1,2-Dibromoethane	ND		ug/kg	1.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--
Bromobenzene	ND		ug/kg	2.0	--
n-Butylbenzene	ND		ug/kg	1.0	--
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	2.0	--
1,3,5-Trichlorobenzene	ND		ug/kg	2.0	--
o-Chlorotoluene	ND		ug/kg	2.0	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1928596

Project Number: 231841 **Report Date:** 07/09/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/03/19 06:07
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03,06-07 Batch: WG1256316-5					
p-Chlorotoluene	ND		ug/kg	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--
Ethyl ether	ND		ug/kg	2.0	--
Isopropyl Ether	ND		ug/kg	2.0	--
Tert-Butyl Alcohol	ND		ug/kg	20	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--
1,4-Dioxane	ND		ug/kg	80	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 231841

Lab Number: L1928596
Report Date: 07/09/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04-06 Batch: WG1256189-3 WG1256189-4								
Methylene chloride	88		89		70-130	1		30
1,1-Dichloroethane	91		89		70-130	2		30
Chloroform	96		95		70-130	1		30
Carbon tetrachloride	104		99		70-130	5		30
1,2-Dichloropropane	89		89		70-130	0		30
Dibromochloromethane	100		100		70-130	0		30
1,1,2-Trichloroethane	99		101		70-130	2		30
Tetrachloroethene	106		100		70-130	6		30
Chlorobenzene	98		94		70-130	4		30
Trichlorofluoromethane	102		95		70-139	7		30
1,2-Dichloroethane	89		90		70-130	1		30
1,1,1-Trichloroethane	103		98		70-130	5		30
Bromodichloromethane	97		98		70-130	1		30
trans-1,3-Dichloropropene	101		100		70-130	1		30
cis-1,3-Dichloropropene	101		100		70-130	1		30
1,1-Dichloropropene	104		98		70-130	6		30
Bromoform	102		104		70-130	2		30
1,1,2,2-Tetrachloroethane	92		94		70-130	2		30
Benzene	95		92		70-130	3		30
Toluene	97		92		70-130	5		30
Ethylbenzene	99		94		70-130	5		30
Chloromethane	77		73		52-130	5		30
Bromomethane	102		93		57-147	9		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 231841

Lab Number: L1928596
Report Date: 07/09/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04-06 Batch: WG1256189-3 WG1256189-4								
Vinyl chloride	89		84		67-130	6		30
Chloroethane	100		93		50-151	7		30
1,1-Dichloroethene	102		94		65-135	8		30
trans-1,2-Dichloroethene	97		92		70-130	5		30
Trichloroethene	101		96		70-130	5		30
1,2-Dichlorobenzene	97		94		70-130	3		30
1,3-Dichlorobenzene	98		95		70-130	3		30
1,4-Dichlorobenzene	98		94		70-130	4		30
Methyl tert butyl ether	93		97		66-130	4		30
p/m-Xylene	102		97		70-130	5		30
o-Xylene	101		97		70-130	4		30
cis-1,2-Dichloroethene	98		94		70-130	4		30
Dibromomethane	97		98		70-130	1		30
1,2,3-Trichloropropane	94		93		68-130	1		30
Styrene	102		98		70-130	4		30
Dichlorodifluoromethane	91		84		30-146	8		30
Acetone	76		72		54-140	5		30
Carbon disulfide	94		89		59-130	5		30
2-Butanone	83		92		70-130	10		30
4-Methyl-2-pentanone	89		92		70-130	3		30
2-Hexanone	78		79		70-130	1		30
Bromochloromethane	100		102		70-130	2		30
Tetrahydrofuran	82		86		66-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 231841

Lab Number: L1928596

Report Date: 07/09/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04-06 Batch: WG1256189-3 WG1256189-4								
2,2-Dichloropropane	103		98		70-130	5		30
1,2-Dibromoethane	101		101		70-130	0		30
1,1,1,2-Tetrachloroethane	101		99		70-130	2		30
Bromobenzene	98		95		70-130	3		30
n-Butylbenzene	102		95		70-130	7		30
sec-Butylbenzene	101		95		70-130	6		30
tert-Butylbenzene	100		96		70-130	4		30
1,3,5-Trichlorobenzene	104		97		70-139	7		30
o-Chlorotoluene	80		77		70-130	4		30
p-Chlorotoluene	98		94		70-130	4		30
1,2-Dibromo-3-chloropropane	88		94		68-130	7		30
Hexachlorobutadiene	109		99		67-130	10		30
Isopropylbenzene	101		96		70-130	5		30
p-Isopropyltoluene	102		97		70-130	5		30
Naphthalene	99		98		70-130	1		30
n-Propylbenzene	99		93		70-130	6		30
1,2,3-Trichlorobenzene	102		99		70-130	3		30
1,2,4-Trichlorobenzene	104		100		70-130	4		30
1,3,5-Trimethylbenzene	101		97		70-130	4		30
1,2,4-Trimethylbenzene	100		96		70-130	4		30
Ethyl ether	94		97		67-130	3		30
Isopropyl Ether	80		80		66-130	0		30
Tert-Butyl Alcohol	90		95		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 231841

Lab Number: L1928596
Report Date: 07/09/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04-06 Batch: WG1256189-3 WG1256189-4								
Ethyl-Tert-Butyl-Ether	89		91		70-130	2		30
Tertiary-Amyl Methyl Ether	96		98		70-130	2		30
1,4-Dioxane	106		106		65-136	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		103		70-130
Toluene-d8	100		98		70-130
4-Bromofluorobenzene	97		94		70-130
Dibromofluoromethane	100		101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 231841

Lab Number: L1928596
Report Date: 07/09/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03,06-07 Batch: WG1256316-3 WG1256316-4								
Methylene chloride	88		89		70-130	1		30
1,1-Dichloroethane	91		89		70-130	2		30
Chloroform	96		95		70-130	1		30
Carbon tetrachloride	104		99		70-130	5		30
1,2-Dichloropropane	89		89		70-130	0		30
Dibromochloromethane	100		100		70-130	0		30
1,1,2-Trichloroethane	99		101		70-130	2		30
Tetrachloroethene	106		100		70-130	6		30
Chlorobenzene	98		94		70-130	4		30
Trichlorofluoromethane	102		95		70-139	7		30
1,2-Dichloroethane	89		90		70-130	1		30
1,1,1-Trichloroethane	103		98		70-130	5		30
Bromodichloromethane	97		98		70-130	1		30
trans-1,3-Dichloropropene	101		100		70-130	1		30
cis-1,3-Dichloropropene	101		100		70-130	1		30
1,1-Dichloropropene	104		98		70-130	6		30
Bromoform	102		104		70-130	2		30
1,1,2,2-Tetrachloroethane	92		94		70-130	2		30
Benzene	95		92		70-130	3		30
Toluene	97		92		70-130	5		30
Ethylbenzene	99		94		70-130	5		30
Chloromethane	77		73		52-130	5		30
Bromomethane	102		93		57-147	9		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1928596
Report Date: 07/09/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03,06-07 Batch: WG1256316-3 WG1256316-4								
Vinyl chloride	89		84		67-130	6		30
Chloroethane	100		93		50-151	7		30
1,1-Dichloroethene	102		94		65-135	8		30
trans-1,2-Dichloroethene	97		92		70-130	5		30
Trichloroethene	101		96		70-130	5		30
1,2-Dichlorobenzene	97		94		70-130	3		30
1,3-Dichlorobenzene	98		95		70-130	3		30
1,4-Dichlorobenzene	98		94		70-130	4		30
Methyl tert butyl ether	93		97		66-130	4		30
p/m-Xylene	102		97		70-130	5		30
o-Xylene	101		97		70-130	4		30
cis-1,2-Dichloroethene	98		94		70-130	4		30
Dibromomethane	97		98		70-130	1		30
1,2,3-Trichloropropane	94		93		68-130	1		30
Styrene	102		98		70-130	4		30
Dichlorodifluoromethane	91		84		30-146	8		30
Acetone	76		72		54-140	5		30
Carbon disulfide	94		89		59-130	5		30
2-Butanone	83		92		70-130	10		30
4-Methyl-2-pentanone	89		92		70-130	3		30
2-Hexanone	78		79		70-130	1		30
Bromochloromethane	100		102		70-130	2		30
Tetrahydrofuran	82		86		66-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 231841

Lab Number: L1928596

Report Date: 07/09/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03,06-07 Batch: WG1256316-3 WG1256316-4								
2,2-Dichloropropane	103		98		70-130	5		30
1,2-Dibromoethane	101		101		70-130	0		30
1,1,1,2-Tetrachloroethane	101		99		70-130	2		30
Bromobenzene	98		95		70-130	3		30
n-Butylbenzene	102		95		70-130	7		30
sec-Butylbenzene	101		95		70-130	6		30
tert-Butylbenzene	100		96		70-130	4		30
1,3,5-Trichlorobenzene	104		97		70-139	7		30
o-Chlorotoluene	80		77		70-130	4		30
p-Chlorotoluene	98		94		70-130	4		30
1,2-Dibromo-3-chloropropane	88		94		68-130	7		30
Hexachlorobutadiene	109		99		67-130	10		30
Isopropylbenzene	101		96		70-130	5		30
p-Isopropyltoluene	102		97		70-130	5		30
Naphthalene	99		98		70-130	1		30
n-Propylbenzene	99		93		70-130	6		30
1,2,3-Trichlorobenzene	102		99		70-130	3		30
1,2,4-Trichlorobenzene	104		100		70-130	4		30
1,3,5-Trimethylbenzene	101		97		70-130	4		30
1,2,4-Trimethylbenzene	100		96		70-130	4		30
Ethyl ether	94		97		67-130	3		30
Isopropyl Ether	80		80		66-130	0		30
Tert-Butyl Alcohol	90		95		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 231841

Lab Number: L1928596

Report Date: 07/09/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03,06-07 Batch: WG1256316-3 WG1256316-4								
Ethyl-Tert-Butyl-Ether	89		91		70-130	2		30
Tertiary-Amyl Methyl Ether	96		98		70-130	2		30
1,4-Dioxane	106		106		65-136	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		103		70-130
Toluene-d8	100		98		70-130
4-Bromofluorobenzene	97		94		70-130
Dibromofluoromethane	100		101		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1928596
Report Date: 07/09/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Client ID: SB19-06(44-46)	Associated sample(s): 01-03,06-07			QC Batch ID: WG1256316-6			WG1256316-7		QC Sample: L1928596-07			
Methylene chloride	ND	60.4	54	90		52	89		70-130	4		30
1,1-Dichloroethane	ND	60.4	64	106		61	104		70-130	4		30
Chloroform	ND	60.4	69	113		65	112		70-130	5		30
Carbon tetrachloride	ND	60.4	82	**136**	Q	78	**133**	Q	70-130	6		30
1,2-Dichloropropane	ND	60.4	58	96		56	95		70-130	5		30
Dibromochloromethane	ND	60.4	68	113		65	111		70-130	4		30
1,1,2-Trichloroethane	ND	60.4	60	100		58	99		70-130	3		30
Tetrachloroethene	ND	60.4	69	114		65	111		70-130	5		30
Chlorobenzene	ND	60.4	63	104		59	101		70-130	5		30
Trichlorofluoromethane	ND	60.4	82	136		77	131		70-139	6		30
1,2-Dichloroethane	ND	60.4	64	106		61	103		70-130	6		30
1,1,1-Trichloroethane	ND	60.4	80	**132**	Q	75	128		70-130	6		30
Bromodichloromethane	ND	60.4	70	116		67	114		70-130	5		30
trans-1,3-Dichloropropene	ND	60.4	65	108		63	107		70-130	3		30
cis-1,3-Dichloropropene	ND	60.4	66	110		63	108		70-130	5		30
1,1-Dichloropropene	ND	60.4	74	123		70	120		70-130	5		30
Bromoform	ND	60.4	68	113		65	111		70-130	5		30
1,1,2,2-Tetrachloroethane	ND	60.4	55	91		53	90		70-130	4		30
Benzene	ND	60.4	64	106		61	104		70-130	5		30
Toluene	ND	60.4	63	104		60	102		70-130	5		30
Ethylbenzene	ND	60.4	65	108		61	105		70-130	6		30
Chloromethane	ND	60.4	51	85		50	85		52-130	3		30
Bromomethane	ND	60.4	66	110		64	109		57-147	4		30

Matrix Spike Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1928596
Report Date: 07/09/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03,06-07 QC Batch ID: WG1256316-6 WG1256316-7 QC Sample: L1928596-07 Client ID: SB19-06(44-46)												
Vinyl chloride	ND	60.4	68	113		65	112		67-130	4		30
Chloroethane	ND	60.4	73	121		68	116		50-151	7		30
1,1-Dichloroethene	ND	60.4	73	121		69	118		65-135	5		30
trans-1,2-Dichloroethene	ND	60.4	68	113		65	111		70-130	5		30
Trichloroethene	ND	60.4	71	117		67	114		70-130	6		30
1,2-Dichlorobenzene	ND	60.4	59	98		56	95		70-130	6		30
1,3-Dichlorobenzene	ND	60.4	60	99		56	95		70-130	7		30
1,4-Dichlorobenzene	ND	60.4	57	95		54	92		70-130	6		30
Methyl tert butyl ether	ND	60.4	63	105		61	104		66-130	4		30
p/m-Xylene	ND	121	130	108		120	105		70-130	6		30
o-Xylene	ND	121	130	108		120	106		70-130	5		30
cis-1,2-Dichloroethene	2.0	60.4	72	116		70	117		70-130	3		30
Dibromomethane	ND	60.4	66	109		62	105		70-130	7		30
1,2,3-Trichloropropane	ND	60.4	55	91		54	93		68-130	1		30
Styrene	ND	121	130	108		120	106		70-130	5		30
Dichlorodifluoromethane	ND	60.4	65	108		63	107		30-146	3		30
Acetone	ND	60.4	47	78		48	82		54-140	2		30
Carbon disulfide	ND	60.4	67	111		64	110		59-130	4		30
2-Butanone	ND	60.4	52	87		46	78		70-130	14		30
4-Methyl-2-pentanone	ND	60.4	54	89		53	90		70-130	2		30
2-Hexanone	ND	60.4	49	81		47	80		70-130	4		30
Bromochloromethane	ND	60.4	67	111		63	108		70-130	6		30
Tetrahydrofuran	ND	60.4	47	77		46	78		66-130	2		30

Matrix Spike Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1928596
Report Date: 07/09/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Client ID: SB19-06(44-46)	Associated sample(s): 01-03,06-07					QC Batch ID: WG1256316-6			WG1256316-7			QC Sample: L1928596-07
2,2-Dichloropropane	ND	60.4	72	119		68	116		70-130	5		30
1,2-Dibromoethane	ND	60.4	64	105		61	104		70-130	5		30
1,1,1,2-Tetrachloroethane	ND	60.4	69	114		65	111		70-130	6		30
Bromobenzene	ND	60.4	62	103		59	100		70-130	5		30
n-Butylbenzene	ND	60.4	58	96		54	93		70-130	7		30
sec-Butylbenzene	ND	60.4	64	107		60	103		70-130	7		30
tert-Butylbenzene	ND	60.4	68	112		63	108		70-130	7		30
1,3,5-Trichlorobenzene	ND	60.4	56	93		52	89		70-130	7		30
o-Chlorotoluene	ND	60.4	61	102		58	98		70-130	7		30
p-Chlorotoluene	ND	60.4	61	100		56	96		70-130	7		30
1,2-Dibromo-3-chloropropane	ND	60.4	55	91		52	88		68-130	6		30
Hexachlorobutadiene	ND	60.4	67	111		62	106		67-130	7		30
Isopropylbenzene	ND	60.4	67	111		63	107		70-130	6		30
p-Isopropyltoluene	ND	60.4	64	106		60	102		70-130	7		30
Naphthalene	ND	60.4	59	98		57	97		70-130	4		30
n-Propylbenzene	ND	60.4	63	104		58	99		70-130	7		30
1,2,3-Trichlorobenzene	ND	60.4	59	98		56	96		70-130	5		30
1,2,4-Trichlorobenzene	ND	60.4	57	95		54	92		70-130	5		30
1,3,5-Trimethylbenzene	ND	60.4	65	107		60	102		70-130	8		30
1,2,4-Trimethylbenzene	ND	60.4	63	104		58	100		70-130	7		30
Ethyl ether	ND	60.4	60	100		59	100		67-130	3		30
Isopropyl Ether	ND	60.4	52	86		51	87		66-130	3		30
Tert-Butyl Alcohol	ND	302	300	99		290	99		70-130	3		30

Matrix Spike Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 231841

Lab Number: L1928596

Report Date: 07/09/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Client ID: SB19-06(44-46)	Associated sample(s): 01-03,06-07					QC Batch ID: WG1256316-6	WG1256316-7		QC Sample: L1928596-07			
Ethyl-Tert-Butyl-Ether	ND	60.4	61	100		59	100		70-130	3		30
Tertiary-Amyl Methyl Ether	ND	60.4	64	105		61	105		70-130	4		30
1,4-Dioxane	ND	3020	3500	116		3600	124		65-136	3		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		106		70-130
4-Bromofluorobenzene	94		95		70-130
Dibromofluoromethane	106		105		70-130
Toluene-d8	96		97		70-130

INORGANICS
&
MISCELLANEOUS

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1928596
Report Date: 07/09/19

SAMPLE RESULTS

Lab ID: L1928596-01
Client ID: SB19-03(9-11)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 06/26/19 13:55
Date Received: 06/28/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.8		%	0.100	NA	1	-	06/29/19 03:33	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1928596
Report Date: 07/09/19

SAMPLE RESULTS

Lab ID: L1928596-02
Client ID: SB19-04(19-21)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 06/27/19 10:40
Date Received: 06/28/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.0		%	0.100	NA	1	-	06/29/19 03:33	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1928596
Report Date: 07/09/19

SAMPLE RESULTS

Lab ID: L1928596-03
Client ID: SB19-05(29-31)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 06/27/19 15:15
Date Received: 06/28/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.8		%	0.100	NA	1	-	06/29/19 03:33	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1928596
Report Date: 07/09/19

SAMPLE RESULTS

Lab ID: L1928596-04
Client ID: SB19-06(29-31)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 06/28/19 12:00
Date Received: 06/28/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.4		%	0.100	NA	1	-	06/29/19 03:33	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1928596
Report Date: 07/09/19

SAMPLE RESULTS

Lab ID: L1928596-05
Client ID: SB19-06(29-31)DUP
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil
Date Collected: 06/28/19 12:00
Date Received: 06/28/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.9		%	0.100	NA	1	-	06/29/19 03:33	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1928596
Report Date: 07/09/19

SAMPLE RESULTS

Lab ID: L1928596-07
Client ID: SB19-06(44-46)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 06/28/19 13:30
Date Received: 06/28/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.5		%	0.100	NA	1	-	06/29/19 03:33	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 231841

Lab Number: L1928596
Report Date: 07/09/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1928596-01A	Vial MeOH preserved	A	NA		3.1	Y	Absent		8260HLW-NH(14)
L1928596-01B	Vial water preserved	A	NA		3.1	Y	Absent	26-JUN-19 16:00	8260HLW-NH(14)
L1928596-01C	Vial water preserved	A	NA		3.1	Y	Absent	26-JUN-19 16:00	8260HLW-NH(14)
L1928596-01D	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		TS(7)
L1928596-02A	Vial MeOH preserved	A	NA		3.1	Y	Absent		8260HLW-NH(14)
L1928596-02B	Vial water preserved	A	NA		3.1	Y	Absent	29-JUN-19 01:27	8260HLW-NH(14)
L1928596-02C	Vial water preserved	A	NA		3.1	Y	Absent	29-JUN-19 01:27	8260HLW-NH(14)
L1928596-02D	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		TS(7)
L1928596-03A	Vial MeOH preserved	A	NA		3.1	Y	Absent		8260HLW-NH(14)
L1928596-03B	Vial water preserved	A	NA		3.1	Y	Absent	29-JUN-19 01:27	8260HLW-NH(14)
L1928596-03C	Vial water preserved	A	NA		3.1	Y	Absent	29-JUN-19 01:27	8260HLW-NH(14)
L1928596-03D	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		TS(7)
L1928596-04A	Vial MeOH preserved	A	NA		3.1	Y	Absent		8260HLW-NH(14)
L1928596-04B	Vial water preserved	A	NA		3.1	Y	Absent	29-JUN-19 01:27	8260HLW-NH(14)
L1928596-04C	Vial water preserved	A	NA		3.1	Y	Absent	29-JUN-19 01:27	8260HLW-NH(14)
L1928596-04D	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		TS(7)
L1928596-05A	Vial MeOH preserved	A	NA		3.1	Y	Absent		8260HLW-NH(14)
L1928596-05B	Vial water preserved	A	NA		3.1	Y	Absent	29-JUN-19 01:27	8260HLW-NH(14)
L1928596-05C	Vial water preserved	A	NA		3.1	Y	Absent	29-JUN-19 01:27	8260HLW-NH(14)
L1928596-05D	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		TS(7)
L1928596-06A	Vial MeOH preserved	A	NA		3.1	Y	Absent		8260H-NH(14),8260HLW-NH(14)
L1928596-06B	Vial water preserved	A	NA		3.1	Y	Absent	**29-JUN-19 01:27**	8260H-NH(14),8260HLW-NH(14)
L1928596-07A	Vial MeOH preserved	A	NA		3.1	Y	Absent		8260HLW-NH(14)

*Values in parentheses indicate holding time in days

Project Name: SALEM FORMER WWTF
Project Number: 231841

Lab Number: L1928596
Report Date: 07/09/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1928596-07A1	Vial MeOH preserved	A	NA		3.1	Y	Absent		8260HLW-NH(14)
L1928596-07A2	Vial MeOH preserved	A	NA		3.1	Y	Absent		8260HLW-NH(14)
L1928596-07B	1 Vial MeOH/2 Vial Water	A	NA		3.1	Y	Absent		8260HLW-NH(14)
L1928596-07B1	Vial water preserved	A	NA		3.1	Y	Absent	29-JUN-19 01:27	8260HLW-NH(14)
L1928596-07B2	Vial water preserved	A	NA		3.1	Y	Absent	29-JUN-19 01:27	8260HLW-NH(14)
L1928596-07C	1 Vial MeOH/2 Vial Water	A	NA		3.1	Y	Absent		8260HLW-NH(14)
L1928596-07C1	Vial water preserved	A	NA		3.1	Y	Absent	29-JUN-19 01:27	8260HLW-NH(14)
L1928596-07C2	Vial water preserved	A	NA		3.1	Y	Absent	29-JUN-19 01:27	8260HLW-NH(14)
L1928596-07D	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1928596
Project Number:	231841	**Report Date:**	07/09/19

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: Data Usability Report

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1928596
Project Number:	231841	**Report Date:**	07/09/19

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: Data Usability Report

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1928596
Project Number:	231841	**Report Date:**	07/09/19

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

EPA 6860: SCM: Perchlorate

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 6/28/19

ALPHA Job #: L1928596

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Client Information

Client: Woodard & Curran

Address: 40 Shattuck Rd
Andover, MA

Phone: 978-482-9905

Email: Sdney@woodardcurran.com

Additional Project Information:

Project Information

Project Name: Salem Former WWTF

Project Location: Salem, NH

Project #: 231841

Project Manager: Jarrod Yoder

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due:

Report Information - Data Deliverables

☒ ADEx ☒ EMAIL

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements & Project Information Requirements

☐ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods
☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
☐ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)
☐ Yes ☐ No NPDES RGP
☐ Other State /Fed Program _____ Criteria _____

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	VOC: ☒ 8260 ☐ 624 ☐ 524.2	SVOC: ☐ ABN ☐ PAH	METALS: ☐ MCP 13 ☐ MCP 14 ☐ RCP 15	METALS: ☐ RCRA5 ☐ RCRA8 ☐ PP13	EPH: ☐ Ranges & Targets ☐ Ranges Only	VPH: ☐ Ranges & Targets ☐ Ranges Only	☐ PCB ☐ PEST	TPH: ☐ Quant Only ☐ Fingerprint	Total Solids	Sample Comments	TOTAL # BOTTLES
28596-01	SB19-03(9-11)	6/26/19	1355	Soil	STO	X								X	Low VOCs frozen 6/26/19 @ 1600	4
-02	SB19-04(19-21)	6/27/19	1040	Soil	STO	X								X		4
-03	SB19-05(29-31)	6/27/19	1515	Soil	STO	X								X		4
-04	SB19-06(29-31)	6/28/19	1000	Soil	STO	X								X		4
-05	SB19-06(29-31) DUP	6/28/19	1000	Soil	STO	X								X		4
-06	Trip Blank	6/19/19	1355	~~Soil~~	—	X										2
-07	SB19-06(44-46)	6/28/19	1330	Soil	STO	X								X	MS/MSD	10

ANALYTICAL REPORT

Lab Number:	L1930094
Client:	Woodard & Curran 40 Shattuck Road Suite 110 Andover, MA 01810
ATTN:	Jarrod Yoder
Phone:	(978) 557-8150
Project Name:	SALEM FORMER WWTF
Project Number:	231841
Report Date:	07/24/19

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: SALEM FORMER WWTF
Project Number: 231841

Lab Number: L1930094
Report Date: 07/24/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1930094-01	SB19-07 (7-9)	SOIL	SALEM, NH	07/09/19 11:20	07/10/19
L1930094-02	SB19-07 (12.8-14.8)	SOIL	SALEM, NH	07/09/19 11:25	07/10/19
L1930094-03	SB19-08 (7-9)	SOIL	SALEM, NH	07/09/19 14:00	07/10/19
L1930094-04	SB19-09 (19-20)	SOIL	SALEM, NH	07/09/19 15:30	07/10/19
L1930094-05	TRIP BLANK	WATER	SALEM, NH	07/08/19 09:47	07/10/19

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1930094
Project Number:	231841	**Report Date:**	07/24/19

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: SALEM FORMER WWTF **Lab Number:** L1930094
Project Number: 231841 **Report Date:** 07/24/19

Case Narrative (continued)

Volatile Organics

L1930094-02 was analyzed as a High Level Methanol in order to quantitate the sample within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial Low Level analysis. The results of both analyses are reported. Differences were noted between the results of the analyses which have been attributed to vial discrepancies.

Total Organic Carbon

L1930094-01: The required batch QC was prepared; however, the native sample required a different reporting method; therefore, the associated QC results could not be reported.

Grain Size Analysis

The WG1262887-1 Laboratory Duplicate RPD for % medium sand (29%), performed on L1930094-01, is outside the acceptance criteria. The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cristin Walker

Title: Technical Director/Representative Date: 07/24/19

ORGANICS

VOLATILES

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1930094
Report Date: 07/24/19

SAMPLE RESULTS

Lab ID: L1930094-01
Client ID: SB19-07 (7-9)
Sample Location: SALEM, NH

Date Collected: 07/09/19 11:20
Date Received: 07/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/22/19 17:38
Analyst: MV
Percent Solids: 75%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	330	--	1
1,1-Dichloroethane	ND		ug/kg	66	--	1
Chloroform	ND		ug/kg	99	--	1
Carbon tetrachloride	ND		ug/kg	66	--	1
1,2-Dichloropropane	ND		ug/kg	66	--	1
Dibromochloromethane	ND		ug/kg	66	--	1
1,1,2-Trichloroethane	ND		ug/kg	66	--	1
Tetrachloroethene	ND		ug/kg	33	--	1
Chlorobenzene	ND		ug/kg	33	--	1
Trichlorofluoromethane	ND		ug/kg	260	--	1
1,2-Dichloroethane	ND		ug/kg	66	--	1
1,1,1-Trichloroethane	45		ug/kg	33	--	1
Bromodichloromethane	ND		ug/kg	33	--	1
trans-1,3-Dichloropropene	ND		ug/kg	66	--	1
cis-1,3-Dichloropropene	ND		ug/kg	33	--	1
1,3-Dichloropropene, Total	ND		ug/kg	33	--	1
1,1-Dichloropropene	ND		ug/kg	33	--	1
Bromoform	ND		ug/kg	260	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	33	--	1
Benzene	ND		ug/kg	33	--	1
Toluene	ND		ug/kg	66	--	1
Ethylbenzene	ND		ug/kg	66	--	1
Chloromethane	ND		ug/kg	260	--	1
Bromomethane	ND		ug/kg	130	--	1
Vinyl chloride	ND		ug/kg	66	--	1
Chloroethane	ND		ug/kg	130	--	1
1,1-Dichloroethene	ND		ug/kg	66	--	1
trans-1,2-Dichloroethene	ND		ug/kg	99	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1930094

Project Number: 231841 **Report Date:** 07/24/19

SAMPLE RESULTS

Lab ID: L1930094-01 Date Collected: 07/09/19 11:20

Client ID: SB19-07 (7-9) Date Received: 07/10/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	670		ug/kg	33	--	1
1,2-Dichlorobenzene	ND		ug/kg	130	--	1
1,3-Dichlorobenzene	ND		ug/kg	130	--	1
1,4-Dichlorobenzene	ND		ug/kg	130	--	1
Methyl tert butyl ether	ND		ug/kg	130	--	1
p/m-Xylene	ND		ug/kg	130	--	1
o-Xylene	ND		ug/kg	66	--	1
Xylenes, Total	ND		ug/kg	66	--	1
cis-1,2-Dichloroethene	900		ug/kg	66	--	1
1,2-Dichloroethene, Total	900		ug/kg	66	--	1
Dibromomethane	ND		ug/kg	130	--	1
1,2,3-Trichloropropane	ND		ug/kg	130	--	1
Styrene	ND		ug/kg	66	--	1
Dichlorodifluoromethane	ND		ug/kg	660	--	1
Acetone	ND		ug/kg	660	--	1
Carbon disulfide	ND		ug/kg	660	--	1
2-Butanone	ND		ug/kg	660	--	1
4-Methyl-2-pentanone	ND		ug/kg	660	--	1
2-Hexanone	ND		ug/kg	660	--	1
Bromochloromethane	ND		ug/kg	130	--	1
Tetrahydrofuran	ND		ug/kg	260	--	1
2,2-Dichloropropane	ND		ug/kg	130	--	1
1,2-Dibromoethane	ND		ug/kg	66	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	33	--	1
Bromobenzene	ND		ug/kg	130	--	1
n-Butylbenzene	ND		ug/kg	66	--	1
sec-Butylbenzene	ND		ug/kg	66	--	1
tert-Butylbenzene	ND		ug/kg	130	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	130	--	1
o-Chlorotoluene	ND		ug/kg	130	--	1
p-Chlorotoluene	ND		ug/kg	130	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	--	1
Hexachlorobutadiene	ND		ug/kg	260	--	1
Isopropylbenzene	ND		ug/kg	66	--	1
p-Isopropyltoluene	ND		ug/kg	66	--	1
Naphthalene	ND		ug/kg	260	--	1
n-Propylbenzene	ND		ug/kg	66	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1930094

Project Number: 231841 **Report Date:** 07/24/19

SAMPLE RESULTS

Lab ID: L1930094-01 Date Collected: 07/09/19 11:20

Client ID: SB19-07 (7-9) Date Received: 07/10/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	130	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	130	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	130	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	130	--	1
Ethyl ether	ND		ug/kg	130	--	1
Isopropyl Ether	ND		ug/kg	130	--	1
Tert-Butyl Alcohol	ND		ug/kg	1300	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	130	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	130	--	1
1,4-Dioxane	ND		ug/kg	5300	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	106		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1930094

Project Number: 231841 **Report Date:** 07/24/19

SAMPLE RESULTS

Lab ID: L1930094-02
Client ID: SB19-07 (12.8-14.8)
Sample Location: SALEM, NH

Date Collected: 07/09/19 11:25
Date Received: 07/10/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/21/19 17:48
Analyst: JC
Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.5	--	1
1,1-Dichloroethane	20		ug/kg	0.91	--	1
Chloroform	ND		ug/kg	1.4	--	1
Carbon tetrachloride	ND		ug/kg	0.91	--	1
1,2-Dichloropropane	ND		ug/kg	0.91	--	1
Dibromochloromethane	ND		ug/kg	0.91	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.91	--	1
Tetrachloroethene	0.52		ug/kg	0.45	--	1
Chlorobenzene	ND		ug/kg	0.45	--	1
Trichlorofluoromethane	ND		ug/kg	3.6	--	1
1,2-Dichloroethane	ND		ug/kg	0.91	--	1
1,1,1-Trichloroethane	1.5		ug/kg	0.45	--	1
Bromodichloromethane	ND		ug/kg	0.45	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.91	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.45	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.45	--	1
1,1-Dichloropropene	ND		ug/kg	0.45	--	1
Bromoform	ND		ug/kg	3.6	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.45	--	1
Benzene	0.50		ug/kg	0.45	--	1
Toluene	ND		ug/kg	0.91	--	1
Ethylbenzene	ND		ug/kg	0.91	--	1
Chloromethane	ND		ug/kg	3.6	--	1
Bromomethane	ND		ug/kg	1.8	--	1
Vinyl chloride	110		ug/kg	0.91	--	1
Chloroethane	5.0		ug/kg	1.8	--	1
1,1-Dichloroethene	3.5		ug/kg	0.91	--	1
trans-1,2-Dichloroethene	2.2		ug/kg	1.4	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1930094

Project Number: 231841 **Report Date:** 07/24/19

SAMPLE RESULTS

Lab ID: L1930094-02 Date Collected: 07/09/19 11:25

Client ID: SB19-07 (12.8-14.8) Date Received: 07/10/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	65		ug/kg	0.45	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	--	1
Methyl tert butyl ether	ND		ug/kg	1.8	--	1
p/m-Xylene	ND		ug/kg	1.8	--	1
o-Xylene	ND		ug/kg	0.91	--	1
Xylenes, Total	ND		ug/kg	0.91	--	1
cis-1,2-Dichloroethene	670	E	ug/kg	0.91	--	1
1,2-Dichloroethene, Total	1900		ug/kg	1.4	--	1
Dibromomethane	ND		ug/kg	1.8	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	--	1
Styrene	ND		ug/kg	0.91	--	1
Dichlorodifluoromethane	ND		ug/kg	9.1	--	1
Acetone	ND		ug/kg	9.1	--	1
Carbon disulfide	ND		ug/kg	9.1	--	1
2-Butanone	ND		ug/kg	9.1	--	1
4-Methyl-2-pentanone	ND		ug/kg	9.1	--	1
2-Hexanone	ND		ug/kg	9.1	--	1
Bromochloromethane	ND		ug/kg	1.8	--	1
Tetrahydrofuran	ND		ug/kg	3.6	--	1
2,2-Dichloropropane	ND		ug/kg	1.8	--	1
1,2-Dibromoethane	ND		ug/kg	0.91	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.45	--	1
Bromobenzene	ND		ug/kg	1.8	--	1
n-Butylbenzene	ND		ug/kg	0.91	--	1
sec-Butylbenzene	ND		ug/kg	0.91	--	1
tert-Butylbenzene	ND		ug/kg	1.8	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.8	--	1
o-Chlorotoluene	ND		ug/kg	1.8	--	1
p-Chlorotoluene	ND		ug/kg	1.8	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.7	--	1
Hexachlorobutadiene	ND		ug/kg	3.6	--	1
Isopropylbenzene	ND		ug/kg	0.91	--	1
p-Isopropyltoluene	ND		ug/kg	0.91	--	1
Naphthalene	ND		ug/kg	3.6	--	1
n-Propylbenzene	ND		ug/kg	0.91	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1930094

Project Number: 231841 **Report Date:** 07/24/19

SAMPLE RESULTS

Lab ID: L1930094-02 Date Collected: 07/09/19 11:25

Client ID: SB19-07 (12.8-14.8) Date Received: 07/10/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	--	1
Ethyl ether	ND		ug/kg	1.8	--	1
Isopropyl Ether	ND		ug/kg	1.8	--	1
Tert-Butyl Alcohol	ND		ug/kg	18	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.8	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.8	--	1
1,4-Dioxane	ND		ug/kg	73	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	98		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1930094

Project Number: 231841 **Report Date:** 07/24/19

SAMPLE RESULTS

Lab ID: L1930094-02 Date Collected: 07/09/19 11:25
Client ID: SB19-07 (12.8-14.8) Date Received: 07/10/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/22/19 17:12
Analyst: MV
Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	680	--	1
1,1-Dichloroethane	ND		ug/kg	140	--	1
Chloroform	ND		ug/kg	200	--	1
Carbon tetrachloride	ND		ug/kg	140	--	1
1,2-Dichloropropane	ND		ug/kg	140	--	1
Dibromochloromethane	ND		ug/kg	140	--	1
1,1,2-Trichloroethane	ND		ug/kg	140	--	1
Tetrachloroethene	ND		ug/kg	68	--	1
Chlorobenzene	ND		ug/kg	68	--	1
Trichlorofluoromethane	ND		ug/kg	550	--	1
1,2-Dichloroethane	ND		ug/kg	140	--	1
1,1,1-Trichloroethane	ND		ug/kg	68	--	1
Bromodichloromethane	ND		ug/kg	68	--	1
trans-1,3-Dichloropropene	ND		ug/kg	140	--	1
cis-1,3-Dichloropropene	ND		ug/kg	68	--	1
1,3-Dichloropropene, Total	ND		ug/kg	68	--	1
1,1-Dichloropropene	ND		ug/kg	68	--	1
Bromoform	ND		ug/kg	550	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	68	--	1
Benzene	ND		ug/kg	68	--	1
Toluene	ND		ug/kg	140	--	1
Ethylbenzene	ND		ug/kg	140	--	1
Chloromethane	ND		ug/kg	550	--	1
Bromomethane	ND		ug/kg	270	--	1
Vinyl chloride	ND		ug/kg	140	--	1
Chloroethane	ND		ug/kg	270	--	1
1,1-Dichloroethene	ND		ug/kg	140	--	1
trans-1,2-Dichloroethene	ND		ug/kg	200	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1930094

Project Number: 231841 **Report Date:** 07/24/19

SAMPLE RESULTS

Lab ID: L1930094-02 Date Collected: 07/09/19 11:25

Client ID: SB19-07 (12.8-14.8) Date Received: 07/10/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	210		ug/kg	68	--	1
1,2-Dichlorobenzene	ND		ug/kg	270	--	1
1,3-Dichlorobenzene	ND		ug/kg	270	--	1
1,4-Dichlorobenzene	ND		ug/kg	270	--	1
Methyl tert butyl ether	ND		ug/kg	270	--	1
p/m-Xylene	ND		ug/kg	270	--	1
o-Xylene	ND		ug/kg	140	--	1
Xylenes, Total	ND		ug/kg	140	--	1
cis-1,2-Dichloroethene	1900		ug/kg	140	--	1
1,2-Dichloroethene, Total	1900		ug/kg	140	--	1
Dibromomethane	ND		ug/kg	270	--	1
1,2,3-Trichloropropane	ND		ug/kg	270	--	1
Styrene	ND		ug/kg	140	--	1
Dichlorodifluoromethane	ND		ug/kg	1400	--	1
Acetone	ND		ug/kg	1400	--	1
Carbon disulfide	ND		ug/kg	1400	--	1
2-Butanone	ND		ug/kg	1400	--	1
4-Methyl-2-pentanone	ND		ug/kg	1400	--	1
2-Hexanone	ND		ug/kg	1400	--	1
Bromochloromethane	ND		ug/kg	270	--	1
Tetrahydrofuran	ND		ug/kg	550	--	1
2,2-Dichloropropane	ND		ug/kg	270	--	1
1,2-Dibromoethane	ND		ug/kg	140	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	68	--	1
Bromobenzene	ND		ug/kg	270	--	1
n-Butylbenzene	ND		ug/kg	140	--	1
sec-Butylbenzene	ND		ug/kg	140	--	1
tert-Butylbenzene	ND		ug/kg	270	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	270	--	1
o-Chlorotoluene	ND		ug/kg	270	--	1
p-Chlorotoluene	ND		ug/kg	270	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	410	--	1
Hexachlorobutadiene	ND		ug/kg	550	--	1
Isopropylbenzene	ND		ug/kg	140	--	1
p-Isopropyltoluene	ND		ug/kg	140	--	1
Naphthalene	ND		ug/kg	550	--	1
n-Propylbenzene	ND		ug/kg	140	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1930094

Project Number: 231841 **Report Date:** 07/24/19

SAMPLE RESULTS

Lab ID: L1930094-02 Date Collected: 07/09/19 11:25

Client ID: SB19-07 (12.8-14.8) Date Received: 07/10/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	270	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	270	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	270	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	270	--	1
Ethyl ether	ND		ug/kg	270	--	1
Isopropyl Ether	ND		ug/kg	270	--	1
Tert-Butyl Alcohol	ND		ug/kg	2700	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	270	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	270	--	1
1,4-Dioxane	ND		ug/kg	11000	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	105		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1930094

Project Number: 231841 **Report Date:** 07/24/19

SAMPLE RESULTS

Lab ID: L1930094-03 Date Collected: 07/09/19 14:00
Client ID: SB19-08 (7-9) Date Received: 07/10/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/21/19 18:14
Analyst: JC
Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.0	--	1
1,1-Dichloroethane	ND		ug/kg	0.81	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.81	--	1
1,2-Dichloropropane	ND		ug/kg	0.81	--	1
Dibromochloromethane	ND		ug/kg	0.81	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.81	--	1
Tetrachloroethene	ND		ug/kg	0.40	--	1
Chlorobenzene	ND		ug/kg	0.40	--	1
Trichlorofluoromethane	ND		ug/kg	3.2	--	1
1,2-Dichloroethane	ND		ug/kg	0.81	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.40	--	1
Bromodichloromethane	ND		ug/kg	0.40	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.81	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.40	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.40	--	1
1,1-Dichloropropene	ND		ug/kg	0.40	--	1
Bromoform	ND		ug/kg	3.2	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.40	--	1
Benzene	ND		ug/kg	0.40	--	1
Toluene	ND		ug/kg	0.81	--	1
Ethylbenzene	ND		ug/kg	0.81	--	1
Chloromethane	ND		ug/kg	3.2	--	1
Bromomethane	ND		ug/kg	1.6	--	1
Vinyl chloride	ND		ug/kg	0.81	--	1
Chloroethane	ND		ug/kg	1.6	--	1
1,1-Dichloroethene	ND		ug/kg	0.81	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1930094

Project Number: 231841 **Report Date:** 07/24/19

SAMPLE RESULTS

Lab ID: L1930094-03 Date Collected: 07/09/19 14:00

Client ID: SB19-08 (7-9) Date Received: 07/10/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.40	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.6	--	1
Methyl tert butyl ether	ND		ug/kg	1.6	--	1
p/m-Xylene	ND		ug/kg	1.6	--	1
o-Xylene	ND		ug/kg	0.81	--	1
Xylenes, Total	ND		ug/kg	0.81	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.81	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.81	--	1
Dibromomethane	ND		ug/kg	1.6	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.6	--	1
Styrene	ND		ug/kg	0.81	--	1
Dichlorodifluoromethane	ND		ug/kg	8.1	--	1
Acetone	ND		ug/kg	8.1	--	1
Carbon disulfide	ND		ug/kg	8.1	--	1
2-Butanone	ND		ug/kg	8.1	--	1
4-Methyl-2-pentanone	ND		ug/kg	8.1	--	1
2-Hexanone	ND		ug/kg	8.1	--	1
Bromochloromethane	ND		ug/kg	1.6	--	1
Tetrahydrofuran	ND		ug/kg	3.2	--	1
2,2-Dichloropropane	ND		ug/kg	1.6	--	1
1,2-Dibromoethane	ND		ug/kg	0.81	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.40	--	1
Bromobenzene	ND		ug/kg	1.6	--	1
n-Butylbenzene	ND		ug/kg	0.81	--	1
sec-Butylbenzene	ND		ug/kg	0.81	--	1
tert-Butylbenzene	ND		ug/kg	1.6	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.6	--	1
o-Chlorotoluene	ND		ug/kg	1.6	--	1
p-Chlorotoluene	ND		ug/kg	1.6	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.4	--	1
Hexachlorobutadiene	ND		ug/kg	3.2	--	1
Isopropylbenzene	ND		ug/kg	0.81	--	1
p-Isopropyltoluene	ND		ug/kg	0.81	--	1
Naphthalene	ND		ug/kg	3.2	--	1
n-Propylbenzene	ND		ug/kg	0.81	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1930094

Project Number: 231841 **Report Date:** 07/24/19

SAMPLE RESULTS

Lab ID: L1930094-03 Date Collected: 07/09/19 14:00

Client ID: SB19-08 (7-9) Date Received: 07/10/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.6	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.6	--	1
Ethyl ether	ND		ug/kg	1.6	--	1
Isopropyl Ether	ND		ug/kg	1.6	--	1
Tert-Butyl Alcohol	ND		ug/kg	16	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.6	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.6	--	1
1,4-Dioxane	ND		ug/kg	65	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	101		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1930094

Project Number: 231841 **Report Date:** 07/24/19

SAMPLE RESULTS

Lab ID: L1930094-04 Date Collected: 07/09/19 15:30
Client ID: SB19-09 (19-20) Date Received: 07/10/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/21/19 18:40
Analyst: JC
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.1	--	1
1,1-Dichloroethane	ND		ug/kg	0.82	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.82	--	1
1,2-Dichloropropane	ND		ug/kg	0.82	--	1
Dibromochloromethane	ND		ug/kg	0.82	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.82	--	1
Tetrachloroethene	ND		ug/kg	0.41	--	1
Chlorobenzene	ND		ug/kg	0.41	--	1
Trichlorofluoromethane	ND		ug/kg	3.3	--	1
1,2-Dichloroethane	ND		ug/kg	0.82	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.41	--	1
Bromodichloromethane	ND		ug/kg	0.41	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.82	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.41	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.41	--	1
1,1-Dichloropropene	ND		ug/kg	0.41	--	1
Bromoform	ND		ug/kg	3.3	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.41	--	1
Benzene	ND		ug/kg	0.41	--	1
Toluene	ND		ug/kg	0.82	--	1
Ethylbenzene	ND		ug/kg	0.82	--	1
Chloromethane	ND		ug/kg	3.3	--	1
Bromomethane	ND		ug/kg	1.6	--	1
Vinyl chloride	0.91		ug/kg	0.82	--	1
Chloroethane	ND		ug/kg	1.6	--	1
1,1-Dichloroethene	ND		ug/kg	0.82	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1930094

Project Number: 231841 **Report Date:** 07/24/19

SAMPLE RESULTS

Lab ID: L1930094-04 Date Collected: 07/09/19 15:30

Client ID: SB19-09 (19-20) Date Received: 07/10/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.41	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.6	--	1
Methyl tert butyl ether	ND		ug/kg	1.6	--	1
p/m-Xylene	ND		ug/kg	1.6	--	1
o-Xylene	ND		ug/kg	0.82	--	1
Xylenes, Total	ND		ug/kg	0.82	--	1
cis-1,2-Dichloroethene	16		ug/kg	0.82	--	1
1,2-Dichloroethene, Total	16		ug/kg	0.82	--	1
Dibromomethane	ND		ug/kg	1.6	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.6	--	1
Styrene	ND		ug/kg	0.82	--	1
Dichlorodifluoromethane	ND		ug/kg	8.2	--	1
Acetone	ND		ug/kg	8.2	--	1
Carbon disulfide	ND		ug/kg	8.2	--	1
2-Butanone	ND		ug/kg	8.2	--	1
4-Methyl-2-pentanone	ND		ug/kg	8.2	--	1
2-Hexanone	ND		ug/kg	8.2	--	1
Bromochloromethane	ND		ug/kg	1.6	--	1
Tetrahydrofuran	ND		ug/kg	3.3	--	1
2,2-Dichloropropane	ND		ug/kg	1.6	--	1
1,2-Dibromoethane	ND		ug/kg	0.82	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.41	--	1
Bromobenzene	ND		ug/kg	1.6	--	1
n-Butylbenzene	ND		ug/kg	0.82	--	1
sec-Butylbenzene	ND		ug/kg	0.82	--	1
tert-Butylbenzene	ND		ug/kg	1.6	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.6	--	1
o-Chlorotoluene	ND		ug/kg	1.6	--	1
p-Chlorotoluene	ND		ug/kg	1.6	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.4	--	1
Hexachlorobutadiene	ND		ug/kg	3.3	--	1
Isopropylbenzene	ND		ug/kg	0.82	--	1
p-Isopropyltoluene	ND		ug/kg	0.82	--	1
Naphthalene	ND		ug/kg	3.3	--	1
n-Propylbenzene	ND		ug/kg	0.82	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1930094

Project Number: 231841 **Report Date:** 07/24/19

SAMPLE RESULTS

Lab ID: L1930094-04 Date Collected: 07/09/19 15:30

Client ID: SB19-09 (19-20) Date Received: 07/10/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.6	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.6	--	1
Ethyl ether	ND		ug/kg	1.6	--	1
Isopropyl Ether	ND		ug/kg	1.6	--	1
Tert-Butyl Alcohol	ND		ug/kg	16	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.6	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.6	--	1
1,4-Dioxane	ND		ug/kg	66	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	100		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1930094

Project Number: 231841 **Report Date:** 07/24/19

SAMPLE RESULTS

Lab ID: L1930094-05 Date Collected: 07/08/19 09:47
Client ID: TRIP BLANK Date Received: 07/10/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/17/19 09:44
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1930094

Project Number: 231841 **Report Date:** 07/24/19

SAMPLE RESULTS

Lab ID: L1930094-05 Date Collected: 07/08/19 09:47

Client ID: TRIP BLANK Date Received: 07/10/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethene, Total	ND		ug/l	0.50	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1930094

Project Number: 231841 **Report Date:** 07/24/19

SAMPLE RESULTS

Lab ID: L1930094-05 Date Collected: 07/08/19 09:47

Client ID: TRIP BLANK Date Received: 07/10/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,3,5-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
Isopropyl Ether	ND		ug/l	2.0	--	1
Tert-Butyl Alcohol	ND		ug/l	10	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	99		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1930094

Project Number: 231841 **Report Date:** 07/24/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/17/19 08:32
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1260975-5					
Methylene chloride	ND		ug/l	3.0	--
1,1-Dichloroethane	ND		ug/l	0.75	--
Chloroform	ND		ug/l	0.75	--
Carbon tetrachloride	ND		ug/l	0.50	--
1,2-Dichloropropane	ND		ug/l	1.8	--
Dibromochloromethane	ND		ug/l	0.50	--
1,1,2-Trichloroethane	ND		ug/l	0.75	--
Tetrachloroethene	ND		ug/l	0.50	--
Chlorobenzene	ND		ug/l	0.50	--
Trichlorofluoromethane	ND		ug/l	2.5	--
1,2-Dichloroethane	ND		ug/l	0.50	--
1,1,1-Trichloroethane	ND		ug/l	0.50	--
Bromodichloromethane	ND		ug/l	0.50	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,3-Dichloropropene, Total	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.5	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	0.75	--
Ethylbenzene	ND		ug/l	0.50	--
Chloromethane	ND		ug/l	2.5	--
Bromomethane	ND		ug/l	1.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	1.0	--
1,1-Dichloroethene	ND		ug/l	0.50	--
trans-1,2-Dichloroethene	ND		ug/l	0.75	--
1,2-Dichloroethene, Total	ND		ug/l	0.50	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1930094

Project Number: 231841 **Report Date:** 07/24/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/17/19 08:32
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1260975-5					
Trichloroethene	ND		ug/l	0.50	--
1,2-Dichlorobenzene	ND		ug/l	2.5	--
1,3-Dichlorobenzene	ND		ug/l	2.5	--
1,4-Dichlorobenzene	ND		ug/l	2.5	--
Methyl tert butyl ether	ND		ug/l	1.0	--
p/m-Xylene	ND		ug/l	1.0	--
o-Xylene	ND		ug/l	1.0	--
Xylenes, Total	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	0.50	--
Dibromomethane	ND		ug/l	5.0	--
1,2,3-Trichloropropane	ND		ug/l	5.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	5.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	5.0	--
2-Butanone	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.5	--
Tetrahydrofuran	ND		ug/l	5.0	--
2,2-Dichloropropane	ND		ug/l	2.5	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--
Bromobenzene	ND		ug/l	2.5	--
n-Butylbenzene	ND		ug/l	0.50	--
sec-Butylbenzene	ND		ug/l	0.50	--
tert-Butylbenzene	ND		ug/l	2.5	--
o-Chlorotoluene	ND		ug/l	2.5	--
p-Chlorotoluene	ND		ug/l	2.5	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1930094

Project Number: 231841 **Report Date:** 07/24/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/17/19 08:32
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1260975-5					
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--
Hexachlorobutadiene	ND		ug/l	0.50	--
Isopropylbenzene	ND		ug/l	0.50	--
p-Isopropyltoluene	ND		ug/l	0.50	--
Naphthalene	ND		ug/l	2.5	--
n-Propylbenzene	ND		ug/l	0.50	--
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--
1,3,5-Trichlorobenzene	ND		ug/l	2.0	--
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--
Ethyl ether	ND		ug/l	2.5	--
Isopropyl Ether	ND		ug/l	2.0	--
Tert-Butyl Alcohol	ND		ug/l	10	--
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--
1,4-Dioxane	ND		ug/l	250	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	100		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1930094

Project Number: 231841 **Report Date:** 07/24/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/21/19 15:55
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-04 Batch: WG1262880-5					
Methylene chloride	ND		ug/kg	5.0	--
1,1-Dichloroethane	ND		ug/kg	1.0	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	1.0	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.0	--
Tetrachloroethene	ND		ug/kg	0.50	--
Chlorobenzene	ND		ug/kg	0.50	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	0.50	--
Bromodichloromethane	ND		ug/kg	0.50	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--
1,1-Dichloropropene	ND		ug/kg	0.50	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--
Benzene	ND		ug/kg	0.50	--
Toluene	ND		ug/kg	1.0	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	1.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	0.50	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1930094

Project Number: 231841 **Report Date:** 07/24/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/21/19 15:55
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-04 Batch: WG1262880-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	--
1,3-Dichlorobenzene	ND		ug/kg	2.0	--
1,4-Dichlorobenzene	ND		ug/kg	2.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	1.0	--
Xylenes, Total	ND		ug/kg	1.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	2.0	--
1,2,3-Trichloropropane	ND		ug/kg	2.0	--
Styrene	ND		ug/kg	1.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	10	--
Carbon disulfide	ND		ug/kg	10	--
2-Butanone	ND		ug/kg	10	--
4-Methyl-2-pentanone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Bromochloromethane	ND		ug/kg	2.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	2.0	--
1,2-Dibromoethane	ND		ug/kg	1.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--
Bromobenzene	ND		ug/kg	2.0	--
n-Butylbenzene	ND		ug/kg	1.0	--
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	2.0	--
1,3,5-Trichlorobenzene	ND		ug/kg	2.0	--
o-Chlorotoluene	ND		ug/kg	2.0	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1930094

Project Number: 231841 **Report Date:** 07/24/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/21/19 15:55
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-04 Batch: WG1262880-5					
p-Chlorotoluene	ND		ug/kg	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--
Ethyl ether	ND		ug/kg	2.0	--
Isopropyl Ether	ND		ug/kg	2.0	--
Tert-Butyl Alcohol	ND		ug/kg	20	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--
1,4-Dioxane	ND		ug/kg	80	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	100		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1930094

Project Number: 231841 **Report Date:** 07/24/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/22/19 16:46
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01-02 Batch: WG1263180-5					
Methylene chloride	ND		ug/kg	250	--
1,1-Dichloroethane	ND		ug/kg	50	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	50	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	50	--
Tetrachloroethene	ND		ug/kg	25	--
Chlorobenzene	ND		ug/kg	25	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	25	--
Bromodichloromethane	ND		ug/kg	25	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	25	--
1,3-Dichloropropene, Total	ND		ug/kg	25	--
1,1-Dichloropropene	ND		ug/kg	25	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	--
Benzene	ND		ug/kg	25	--
Toluene	ND		ug/kg	50	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	50	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	25	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1930094

Project Number: 231841 **Report Date:** 07/24/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/22/19 16:46
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01-02 Batch: WG1263180-5					
1,2-Dichlorobenzene	ND		ug/kg	100	--
1,3-Dichlorobenzene	ND		ug/kg	100	--
1,4-Dichlorobenzene	ND		ug/kg	100	--
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	50	--
Xylenes, Total	ND		ug/kg	50	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
1,2-Dichloroethene, Total	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	100	--
1,2,3-Trichloropropane	ND		ug/kg	100	--
Styrene	ND		ug/kg	50	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	500	--
Carbon disulfide	ND		ug/kg	500	--
2-Butanone	ND		ug/kg	500	--
4-Methyl-2-pentanone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	100	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	100	--
1,2-Dibromoethane	ND		ug/kg	50	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	--
Bromobenzene	ND		ug/kg	100	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	100	--
1,3,5-Trichlorobenzene	ND		ug/kg	100	--
o-Chlorotoluene	ND		ug/kg	100	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1930094

Project Number: 231841 **Report Date:** 07/24/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/22/19 16:46
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01-02 Batch: WG1263180-5					
p-Chlorotoluene	ND		ug/kg	100	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--
1,2,3-Trichlorobenzene	ND		ug/kg	100	--
1,2,4-Trichlorobenzene	ND		ug/kg	100	--
1,3,5-Trimethylbenzene	ND		ug/kg	100	--
1,2,4-Trimethylbenzene	ND		ug/kg	100	--
Ethyl ether	ND		ug/kg	100	--
Isopropyl Ether	ND		ug/kg	100	--
Tert-Butyl Alcohol	ND		ug/kg	1000	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	100	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	100	--
1,4-Dioxane	ND		ug/kg	4000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	104		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 231841

Lab Number: L1930094

Report Date: 07/24/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1260975-3 WG1260975-4								
Methylene chloride	94		99		70-130	5		20
1,1-Dichloroethane	87		88		70-130	1		20
Chloroform	93		97		70-130	4		20
Carbon tetrachloride	100		110		63-132	10		20
1,2-Dichloropropane	84		83		70-130	1		20
Dibromochloromethane	110		110		63-130	0		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	120		120		70-130	0		20
Chlorobenzene	100		110		75-130	10		25
Trichlorofluoromethane	86		87		62-150	1		20
1,2-Dichloroethane	88		89		70-130	1		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	94		96		67-130	2		20
trans-1,3-Dichloropropene	100		100		70-130	0		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
1,1-Dichloropropene	93		93		70-130	0		20
Bromoform	100		100		54-136	0		20
1,1,2,2-Tetrachloroethane	92		94		67-130	2		20
Benzene	91		93		70-130	2		25
Toluene	100		100		70-130	0		25
Ethylbenzene	100		110		70-130	10		20
Chloromethane	**50**	Q	**47**	Q	64-130	6		20
Bromomethane	69		57		39-139	19		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 231841

Lab Number: L1930094
Report Date: 07/24/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1260975-3 WG1260975-4								
Vinyl chloride	86		87		55-140	1		20
Chloroethane	89		87		55-138	2		20
1,1-Dichloroethene	93		94		61-145	1		25
trans-1,2-Dichloroethene	96		97		70-130	1		20
Trichloroethene	97		97		70-130	0		25
1,2-Dichlorobenzene	100		110		70-130	10		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	97		98		63-130	1		20
p/m-Xylene	105		110		70-130	5		20
o-Xylene	105		110		70-130	5		20
cis-1,2-Dichloroethene	99		100		70-130	1		20
Dibromomethane	94		98		70-130	4		20
1,2,3-Trichloropropane	90		92		64-130	2		20
Styrene	110		115		70-130	4		20
Dichlorodifluoromethane	98		98		36-147	0		20
Acetone	68		68		58-148	0		20
Carbon disulfide	87		93		51-130	7		20
2-Butanone	74		74		63-138	0		20
4-Methyl-2-pentanone	80		84		59-130	5		20
2-Hexanone	66		70		57-130	6		20
Bromochloromethane	110		110		70-130	0		20
Tetrahydrofuran	64		65		58-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1930094
Report Date: 07/24/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1260975-3 WG1260975-4								
2,2-Dichloropropane	130		120		63-133	8		20
1,2-Dibromoethane	110		110		70-130	0		20
1,1,1,2-Tetrachloroethane	120		120		64-130	0		20
Bromobenzene	100		110		70-130	10		20
n-Butylbenzene	94		96		53-136	2		20
sec-Butylbenzene	95		97		70-130	2		20
tert-Butylbenzene	97		100		70-130	3		20
o-Chlorotoluene	92		96		70-130	4		20
p-Chlorotoluene	93		95		70-130	2		20
1,2-Dibromo-3-chloropropane	110		110		41-144	0		20
Hexachlorobutadiene	120		120		63-130	0		20
Isopropylbenzene	97		100		70-130	3		20
p-Isopropyltoluene	100		100		70-130	0		20
Naphthalene	100		110		70-130	10		20
n-Propylbenzene	94		97		69-130	3		20
1,2,3-Trichlorobenzene	110		120		70-130	9		20
1,2,4-Trichlorobenzene	110		120		70-130	9		20
1,3,5-Trimethylbenzene	96		99		64-130	3		20
1,3,5-Trichlorobenzene	120		120		70-130	0		20
1,2,4-Trimethylbenzene	98		100		70-130	2		20
Ethyl ether	94		96		59-134	2		20
Isopropyl Ether	**66**	Q	**66**	Q	70-130	0		20
Tert-Butyl Alcohol	98		110		70-130	12		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 231841

Lab Number: L1930094
Report Date: 07/24/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1260975-3 WG1260975-4								
Ethyl-Tert-Butyl-Ether	94		95		70-130	1		20
Tertiary-Amyl Methyl Ether	98		100		66-130	2		20
1,4-Dioxane	84		86		56-162	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		92		70-130
Toluene-d8	102		101		70-130
4-Bromofluorobenzene	86		88		70-130
Dibromofluoromethane	96		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1930094
Report Date: 07/24/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-04 Batch: WG1262880-3 WG1262880-4								
Methylene chloride	112		112		70-130	0		30
1,1-Dichloroethane	130		**132**	Q	70-130	2		30
Chloroform	114		118		70-130	3		30
Carbon tetrachloride	98		100		70-130	2		30
1,2-Dichloropropane	130		**132**	Q	70-130	2		30
Dibromochloromethane	92		93		70-130	1		30
1,1,2-Trichloroethane	107		108		70-130	1		30
Tetrachloroethene	90		92		70-130	2		30
Chlorobenzene	101		103		70-130	2		30
Trichlorofluoromethane	88		89		70-139	1		30
1,2-Dichloroethane	121		124		70-130	2		30
1,1,1-Trichloroethane	106		109		70-130	3		30
Bromodichloromethane	107		108		70-130	1		30
trans-1,3-Dichloropropene	108		107		70-130	1		30
cis-1,3-Dichloropropene	114		116		70-130	2		30
1,1-Dichloropropene	118		118		70-130	0		30
Bromoform	82		81		70-130	1		30
1,1,2,2-Tetrachloroethane	111		112		70-130	1		30
Benzene	116		119		70-130	3		30
Toluene	108		109		70-130	1		30
Ethylbenzene	110		112		70-130	2		30
Chloromethane	**156**	Q	**159**	Q	52-130	2		30
Bromomethane	147		**150**	Q	57-147	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 231841

Lab Number: L1930094
Report Date: 07/24/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-04 Batch: WG1262880-3 WG1262880-4								
Vinyl chloride	127		129		67-130	2		30
Chloroethane	95		96		50-151	1		30
1,1-Dichloroethene	109		110		65-135	1		30
trans-1,2-Dichloroethene	109		111		70-130	2		30
Trichloroethene	105		105		70-130	0		30
1,2-Dichlorobenzene	100		99		70-130	1		30
1,3-Dichlorobenzene	99		100		70-130	1		30
1,4-Dichlorobenzene	98		99		70-130	1		30
Methyl tert butyl ether	112		114		66-130	2		30
p/m-Xylene	100		104		70-130	4		30
o-Xylene	100		101		70-130	1		30
cis-1,2-Dichloroethene	111		114		70-130	3		30
Dibromomethane	108		110		70-130	2		30
1,2,3-Trichloropropane	113		111		68-130	2		30
Styrene	99		100		70-130	1		30
Dichlorodifluoromethane	110		111		30-146	1		30
Acetone	**182**	Q	**172**	Q	54-140	6		30
Carbon disulfide	116		117		59-130	1		30
2-Butanone	**133**	Q	124		70-130	7		30
4-Methyl-2-pentanone	116		115		70-130	1		30
2-Hexanone	125		124		70-130	1		30
Bromochloromethane	103		103		70-130	0		30
Tetrahydrofuran	**152**	Q	**151**	Q	66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1930094
Report Date: 07/24/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-04 Batch: WG1262880-3 WG1262880-4								
2,2-Dichloropropane	110		110		70-130	0		30
1,2-Dibromoethane	102		103		70-130	1		30
1,1,1,2-Tetrachloroethane	91		92		70-130	1		30
Bromobenzene	96		98		70-130	2		30
n-Butylbenzene	115		116		70-130	1		30
sec-Butylbenzene	109		110		70-130	1		30
tert-Butylbenzene	105		106		70-130	1		30
1,3,5-Trichlorobenzene	91		93		70-139	2		30
o-Chlorotoluene	117		116		70-130	1		30
p-Chlorotoluene	113		113		70-130	0		30
1,2-Dibromo-3-chloropropane	83		82		68-130	1		30
Hexachlorobutadiene	87		87		67-130	0		30
Isopropylbenzene	110		111		70-130	1		30
p-Isopropyltoluene	104		106		70-130	2		30
Naphthalene	97		96		70-130	1		30
n-Propylbenzene	114		115		70-130	1		30
1,2,3-Trichlorobenzene	90		91		70-130	1		30
1,2,4-Trichlorobenzene	90		90		70-130	0		30
1,3,5-Trimethylbenzene	109		110		70-130	1		30
1,2,4-Trimethylbenzene	109		109		70-130	0		30
Ethyl ether	120		121		67-130	1		30
Isopropyl Ether	**144**	Q	**147**	Q	66-130	2		30
Tert-Butyl Alcohol	109		108		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1930094
Report Date: 07/24/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-04 Batch: WG1262880-3 WG1262880-4								
Ethyl-Tert-Butyl-Ether	122		124		70-130	2		30
Tertiary-Amyl Methyl Ether	108		107		70-130	1		30
1,4-Dioxane	88		83		65-136	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	109		107		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	113		113		70-130
Dibromofluoromethane	98		98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 231841

Lab Number: L1930094

Report Date: 07/24/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-02 Batch: WG1263180-3 WG1263180-4								
Methylene chloride	94		96		70-130	2		30
1,1-Dichloroethane	106		105		70-130	1		30
Chloroform	112		115		70-130	3		30
Carbon tetrachloride	**150**	Q	**154**	Q	70-130	3		30
1,2-Dichloropropane	95		98		70-130	3		30
Dibromochloromethane	108		115		70-130	6		30
1,1,2-Trichloroethane	88		90		70-130	2		30
Tetrachloroethene	**131**	Q	**132**	Q	70-130	1		30
Chlorobenzene	107		110		70-130	3		30
Trichlorofluoromethane	**146**	Q	**150**	Q	70-139	3		30
1,2-Dichloroethane	106		111		70-130	5		30
1,1,1-Trichloroethane	**133**	Q	**137**	Q	70-130	3		30
Bromodichloromethane	107		113		70-130	5		30
trans-1,3-Dichloropropene	93		98		70-130	5		30
cis-1,3-Dichloropropene	104		107		70-130	3		30
1,1-Dichloropropene	117		122		70-130	4		30
Bromoform	105		105		70-130	0		30
1,1,2,2-Tetrachloroethane	77		78		70-130	1		30
Benzene	105		108		70-130	3		30
Toluene	102		108		70-130	6		30
Ethylbenzene	108		111		70-130	3		30
Chloromethane	111		108		52-130	3		30
Bromomethane	96		99		57-147	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 231841

Lab Number: L1930094

Report Date: 07/24/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-02 Batch: WG1263180-3 WG1263180-4								
Vinyl chloride	99		99		67-130	0		30
Chloroethane	90		90		50-151	0		30
1,1-Dichloroethene	125		125		65-135	0		30
trans-1,2-Dichloroethene	121		123		70-130	2		30
Trichloroethene	119		122		70-130	2		30
1,2-Dichlorobenzene	104		106		70-130	2		30
1,3-Dichlorobenzene	109		111		70-130	2		30
1,4-Dichlorobenzene	106		108		70-130	2		30
Methyl tert butyl ether	101		105		66-130	4		30
p/m-Xylene	114		117		70-130	3		30
o-Xylene	112		115		70-130	3		30
cis-1,2-Dichloroethene	113		116		70-130	3		30
Dibromomethane	103		108		70-130	5		30
1,2,3-Trichloropropane	80		81		68-130	1		30
Styrene	114		117		70-130	3		30
Dichlorodifluoromethane	118		118		30-146	0		30
Acetone	99		96		54-140	3		30
Carbon disulfide	107		107		59-130	0		30
2-Butanone	91		90		70-130	1		30
4-Methyl-2-pentanone	87		87		70-130	0		30
2-Hexanone	82		84		70-130	2		30
Bromochloromethane	119		125		70-130	5		30
Tetrahydrofuran	106		104		66-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 231841

Lab Number: L1930094

Report Date: 07/24/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-02 Batch: WG1263180-3 WG1263180-4								
2,2-Dichloropropane	128		130		70-130	2		30
1,2-Dibromoethane	97		101		70-130	4		30
1,1,1,2-Tetrachloroethane	114		118		70-130	3		30
Bromobenzene	104		106		70-130	2		30
n-Butylbenzene	104		105		70-130	1		30
sec-Butylbenzene	108		110		70-130	2		30
tert-Butylbenzene	114		115		70-130	1		30
1,3,5-Trichlorobenzene	115		116		70-139	1		30
o-Chlorotoluene	98		99		70-130	1		30
p-Chlorotoluene	97		100		70-130	3		30
1,2-Dibromo-3-chloropropane	101		101		68-130	0		30
Hexachlorobutadiene	127		130		67-130	2		30
Isopropylbenzene	107		109		70-130	2		30
p-Isopropyltoluene	118		119		70-130	1		30
Naphthalene	102		105		70-130	3		30
n-Propylbenzene	100		101		70-130	1		30
1,2,3-Trichlorobenzene	108		112		70-130	4		30
1,2,4-Trichlorobenzene	110		113		70-130	3		30
1,3,5-Trimethylbenzene	108		109		70-130	1		30
1,2,4-Trimethylbenzene	108		109		70-130	1		30
Ethyl ether	93		100		67-130	7		30
Isopropyl Ether	95		99		66-130	4		30
Tert-Butyl Alcohol	98		99		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1930094
Report Date: 07/24/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-02 Batch: WG1263180-3 WG1263180-4								
Ethyl-Tert-Butyl-Ether	102		105		70-130	3		30
Tertiary-Amyl Methyl Ether	98		103		70-130	5		30
1,4-Dioxane	100		103		65-136	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		99		70-130
Toluene-d8	91		92		70-130
4-Bromofluorobenzene	86		85		70-130
Dibromofluoromethane	105		106		70-130

INORGANICS
&
MISCELLANEOUS

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1930094
Report Date: 07/24/19

SAMPLE RESULTS

Lab ID: L1930094-01
Client ID: SB19-07 (7-9)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/09/19 11:20
Date Received: 07/10/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon	0.248		%	0.010	--	1	-	07/18/19 09:43	1,9060A	SP
Grain Size Analysis - Mansfield Lab										
Cobbles	ND		%	0.100	NA	1	-	07/22/19 14:04	12,D6913/D7928	SM
% Coarse Gravel	ND		%	0.100	NA	1	-	07/22/19 14:04	12,D6913/D7928	SM
% Fine Gravel	ND		%	0.100	NA	1	-	07/22/19 14:04	12,D6913/D7928	SM
% Total Gravel	ND		%	0.100	NA	1	-	07/22/19 14:04	12,D6913/D7928	SM
% Coarse Sand	ND		%	0.100	NA	1	-	07/22/19 14:04	12,D6913/D7928	SM
% Medium Sand	0.300		%	0.100	NA	1	-	07/22/19 14:04	12,D6913/D7928	SM
% Fine Sand	89.1		%	0.100	NA	1	-	07/22/19 14:04	12,D6913/D7928	SM
% Total Sand	89.4		%	0.100	NA	1	-	07/22/19 14:04	12,D6913/D7928	SM
% Total Fines	10.6		%	0.100	NA	1	-	07/22/19 14:04	12,D6913/D7928	SM
General Chemistry - Westborough Lab										
Solids, Total	75.2		%	0.100	NA	1	-	07/11/19 10:52	121,2540G	RI

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1930094
Report Date: 07/24/19

SAMPLE RESULTS

Lab ID: L1930094-02
Client ID: SB19-07 (12.8-14.8)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/09/19 11:25
Date Received: 07/10/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon	0.077		%	0.010	--	1	-	07/18/19 09:43	1,9060A	SP
Grain Size Analysis - Mansfield Lab										
Cobbles	ND		%	0.100	NA	1	-	07/22/19 14:04	12,D6913/D7928	SM
% Coarse Gravel	ND		%	0.100	NA	1	-	07/22/19 14:04	12,D6913/D7928	SM
% Fine Gravel	ND		%	0.100	NA	1	-	07/22/19 14:04	12,D6913/D7928	SM
% Total Gravel	ND		%	0.100	NA	1	-	07/22/19 14:04	12,D6913/D7928	SM
% Coarse Sand	ND		%	0.100	NA	1	-	07/22/19 14:04	12,D6913/D7928	SM
% Medium Sand	0.400		%	0.100	NA	1	-	07/22/19 14:04	12,D6913/D7928	SM
% Fine Sand	14.7		%	0.100	NA	1	-	07/22/19 14:04	12,D6913/D7928	SM
% Total Sand	15.1		%	0.100	NA	1	-	07/22/19 14:04	12,D6913/D7928	SM
% Total Fines	84.9		%	0.100	NA	1	-	07/22/19 14:04	12,D6913/D7928	SM
General Chemistry - Westborough Lab										
Solids, Total	79.3		%	0.100	NA	1	-	07/11/19 10:52	121,2540G	RI

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1930094
Report Date: 07/24/19

SAMPLE RESULTS

Lab ID: L1930094-03
Client ID: SB19-08 (7-9)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/09/19 14:00
Date Received: 07/10/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.6		%	0.100	NA	1	-	07/11/19 10:52	121,2540G	RI

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1930094
Report Date: 07/24/19

SAMPLE RESULTS

Lab ID: L1930094-04
Client ID: SB19-09 (19-20)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/09/19 15:30
Date Received: 07/10/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.3		%	0.100	NA	1	-	07/11/19 10:52	121,2540G	RI

Project Name: SALEM FORMER WWTF **Lab Number:** L1930094

Project Number: 231841 **Report Date:** 07/24/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab for sample(s): 01-02 Batch: WG1259295-1										
Total Organic Carbon	ND		%	0.010	--	1	-	07/18/19 09:43	1,9060A	SP

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 231841

Lab Number: L1930094

Report Date: 07/24/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Organic Carbon - Mansfield Lab Associated sample(s): 01-02 Batch: WG1259295-2								
Total Organic Carbon	94		-		75-125	-		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 231841

Lab Number: L1930094
Report Date: 07/24/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1258569-1 QC Sample: L1930094-01 Client ID: SB19-07 (7-9)						
Solids, Total	75.2	73.1	%	3		20
Grain Size Analysis - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1262887-1 QC Sample: L1930094-01 Client ID: SB19-07 (7-9)						
Cobbles	ND	ND	%	NC		20
% Coarse Gravel	ND	ND	%	NC		20
% Fine Gravel	ND	ND	%	NC		20
% Total Gravel	ND	ND	%	NC		20
% Coarse Sand	ND	ND	%	NC		20
% Medium Sand	0.300	0.400	%	**29**	Q	20
% Fine Sand	89.1	87.9	%	1		20
% Total Sand	89.4	88.3	%	1		20
% Total Fines	10.6	11.7	%	10		20

Project Name: SALEM FORMER WWTF
Project Number: 231841

Lab Number: L1930094
Report Date: 07/24/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1930094-01A	Vial MeOH preserved	A	NA		2.7	Y	Absent		8260HLW-NH(14)
L1930094-01B	Vial water preserved	A	NA		2.7	Y	Absent	11-JUL-19 06:16	8260HLW-NH(14)
L1930094-01C	Vial water preserved	A	NA		2.7	Y	Absent	11-JUL-19 06:16	8260HLW-NH(14)
L1930094-01D	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L1930094-01E	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L1930094-01F	Glass 120ml/4oz unpreserved	A	NA		2.7	Y	Absent		A2-TOC-9060(28)
L1930094-01G	Plastic 8oz unpreserved for Grain Size	A	NA		2.7	Y	Absent		A2-HYDRO-TFINE(),A2-HYDRO-CGRAVEL(),A2-HYDRO-FSAND(),A2-HYDRO-MSAND(),A2-HYDRO-TGRAVEL(),A2-HYDRO-CSAND(),A2-HYDRO-TSAND(),A2-HYDRO-COBBLES(),A2-HYDRO-FGRAVEL()
L1930094-02A	Vial MeOH preserved	A	NA		2.7	Y	Absent		8260H-NH(14),8260HLW-NH(14)
L1930094-02B	Vial water preserved	A	NA		2.7	Y	Absent	11-JUL-19 06:16	8260H-NH(14),8260HLW-NH(14)
L1930094-02C	Vial water preserved	A	NA		2.7	Y	Absent	11-JUL-19 06:16	8260H-NH(14),8260HLW-NH(14)
L1930094-02D	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L1930094-02E	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L1930094-02F	Glass 120ml/4oz unpreserved	A	NA		2.7	Y	Absent		A2-TOC-9060(28)
L1930094-02G	Plastic 8oz unpreserved for Grain Size	A	NA		2.7	Y	Absent		A2-HYDRO-TFINE(),A2-HYDRO-CGRAVEL(),A2-HYDRO-FSAND(),A2-HYDRO-MSAND(),A2-HYDRO-TGRAVEL(),A2-HYDRO-CSAND(),A2-HYDRO-TSAND(),A2-HYDRO-COBBLES(),A2-HYDRO-FGRAVEL()
L1930094-03A	Vial MeOH preserved	A	NA		2.7	Y	Absent		8260HLW-NH(14)
L1930094-03B	Vial water preserved	A	NA		2.7	Y	Absent	11-JUL-19 06:16	8260HLW-NH(14)
L1930094-03C	Vial water preserved	A	NA		2.7	Y	Absent	11-JUL-19 06:16	8260HLW-NH(14)
L1930094-03D	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L1930094-04A	Vial MeOH preserved	A	NA		2.7	Y	Absent		8260HLW-NH(14)

*Values in parentheses indicate holding time in days

Project Name: SALEM FORMER WWTF
Project Number: 231841

Lab Number: L1930094
Report Date: 07/24/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1930094-04A1	Vial MeOH preserved split	A	NA		2.7	Y	Absent		8260HLW-NH(14)
L1930094-04B	Vial water preserved	A	NA		2.7	Y	Absent	11-JUL-19 06:16	8260HLW-NH(14)
L1930094-04C	Vial water preserved	A	NA		2.7	Y	Absent	11-JUL-19 06:16	8260HLW-NH(14)
L1930094-04D	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L1930094-05A	Vial HCl preserved	A	NA		2.7	Y	Absent		8260-NH(14)
L1930094-05B	Vial HCl preserved	A	NA		2.7	Y	Absent		8260-NH(14)

*Values in parentheses indicate holding time in days

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1930094
Project Number:	231841	**Report Date:**	07/24/19

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: Data Usability Report

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1930094
Project Number:	231841	**Report Date:**	07/24/19

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: Data Usability Report

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1930094
Project Number:	231841	**Report Date:**	07/24/19

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

12 Annual Book of ASTM Standards. (American Society for Testing and Materials) ASTM International.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

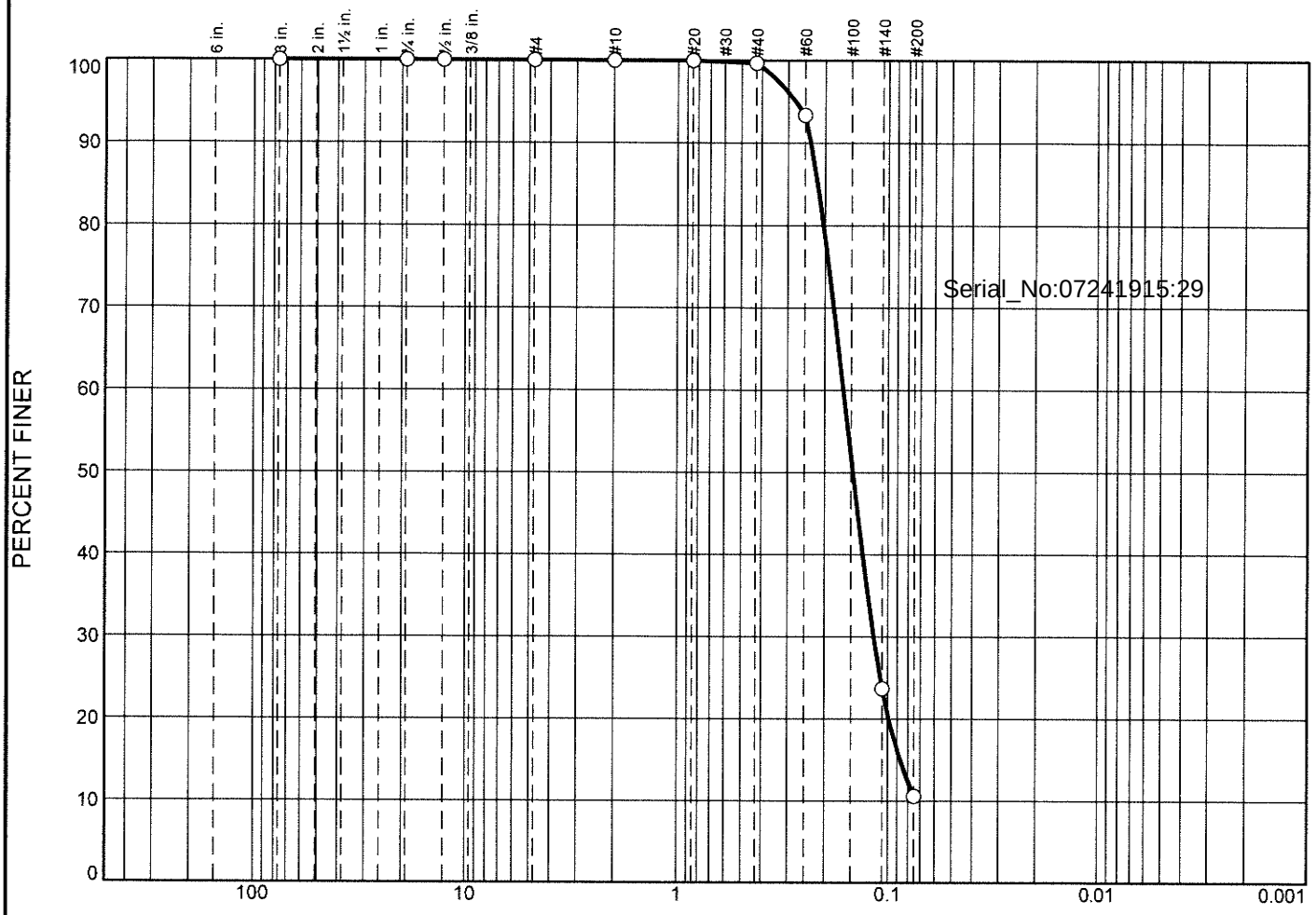
Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

ASTM D6913/D7928

GRAIN SIZE ANALYSIS

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	0.3	89.1	10.6	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				0.2177	0.1632	0.1469	0.1165	0.0872			

Material Description	USCS	AASHTO
○		

Project No. **Client:**

Project:

○ **Source of Sample:** SB19-07 (7-9) **Sample Number:** L1930094-01

Date: ○

Alpha Analytical

Mansfield, MA

Remarks:

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

7/24/2019

Location: SB19-07 (7-9)

Sample Number: L1930094-01

Sieve Test Data

Post #200 Wash Test Weights (grams): **Dry Sample and Tare =** 80.71
Tare Wt. = 0.00
Minus #200 from wash = 0.0%

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer
80.71	0.00	3	0.00	0.00	100.0
		0.75	0.00	0.00	100.0
		0.50	0.00	0.00	100.0
		#4	0.00	0.00	100.0
		#10	0.02	0.00	100.0
		#20	0.02	0.00	100.0
		#40	0.23	0.00	99.7
		#60	5.09	0.00	93.4
		#140	56.22	0.00	23.7
		#200	10.60	0.00	10.6

Serial_No:07241915:29

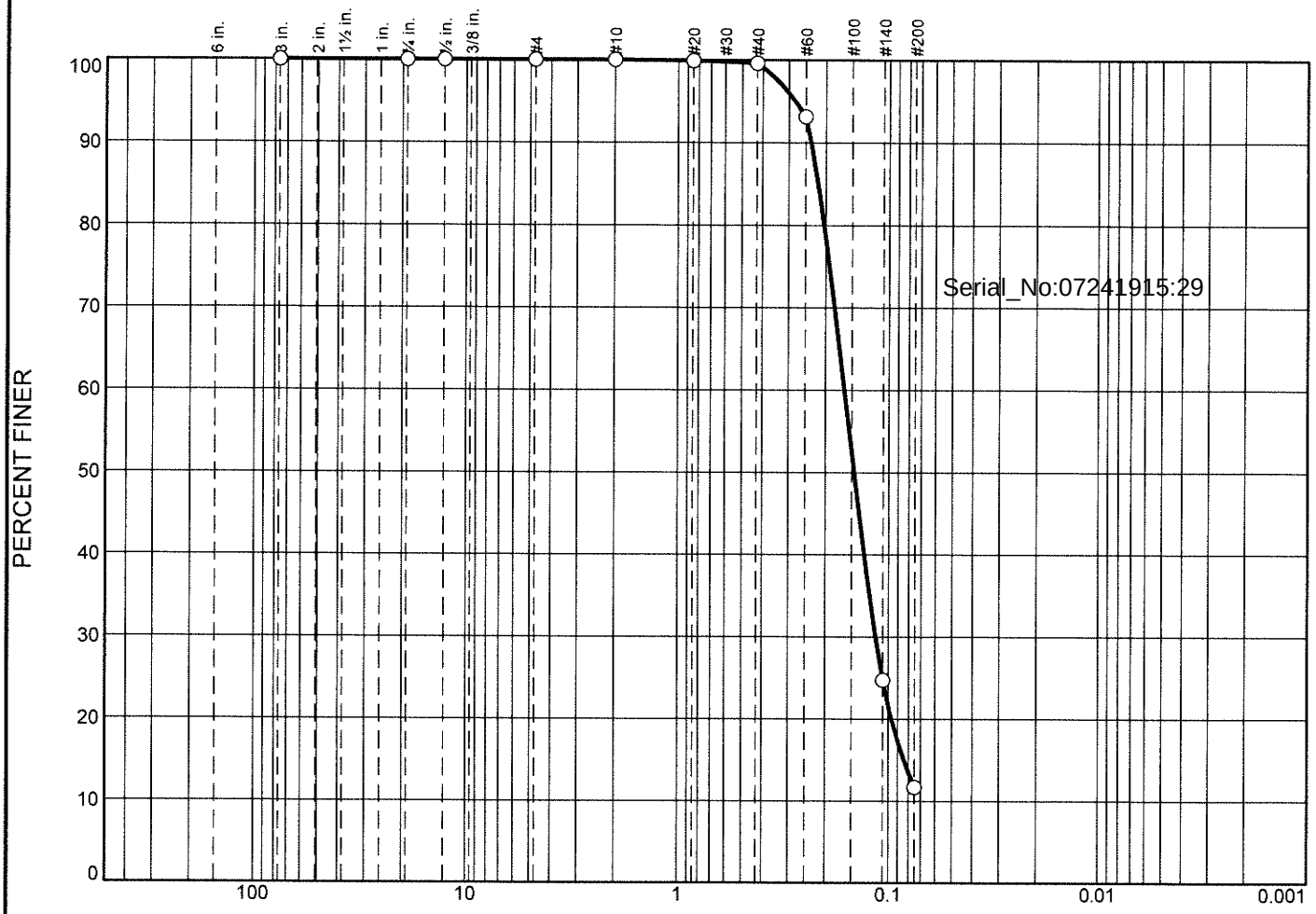
Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	0.0	0.0	0.0	0.3	89.1	89.4			10.6

D_5	D_{10}	D_{15}	D_{20}	D_{30}	D_{40}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
		0.0872	0.0989	0.1165	0.1317	0.1469	0.1632	0.2039	0.2177	0.2348	0.2772

Fineness Modulus
0.52

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	0.4	87.9	11.7	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				0.2179	0.1625	0.1460	0.1150	0.0842			

Material Description	USCS	AASHTO
○		

Project No. **Client:**

Project:

○ **Source of Sample:** SB19-07 (7-9) **Sample Number:** WG1262887-1

Date: ○

Alpha Analytical

Mansfield, MA

Remarks:

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

7/24/2019

Location: SB19-07 (7-9)

Sample Number: WG1262887-1

Sieve Test Data

Post #200 Wash Test Weights (grams): **Dry Sample and Tare =** 79.44
Tare Wt. = 0.00
Minus #200 from wash = 0.0%

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer
79.44	0.00	3	0.00	0.00	100.0
		0.75	0.00	0.00	100.0
		0.50	0.00	0.00	100.0
		#4	0.00	0.00	100.0
		#10	0.00	0.00	100.0
		#20	0.07	0.00	99.9
		#40	0.25	0.00	99.6
		#60	5.11	0.00	93.2
		#140	54.36	0.00	24.7
		#200	10.36	0.00	11.7

Serial_No:07241915:29

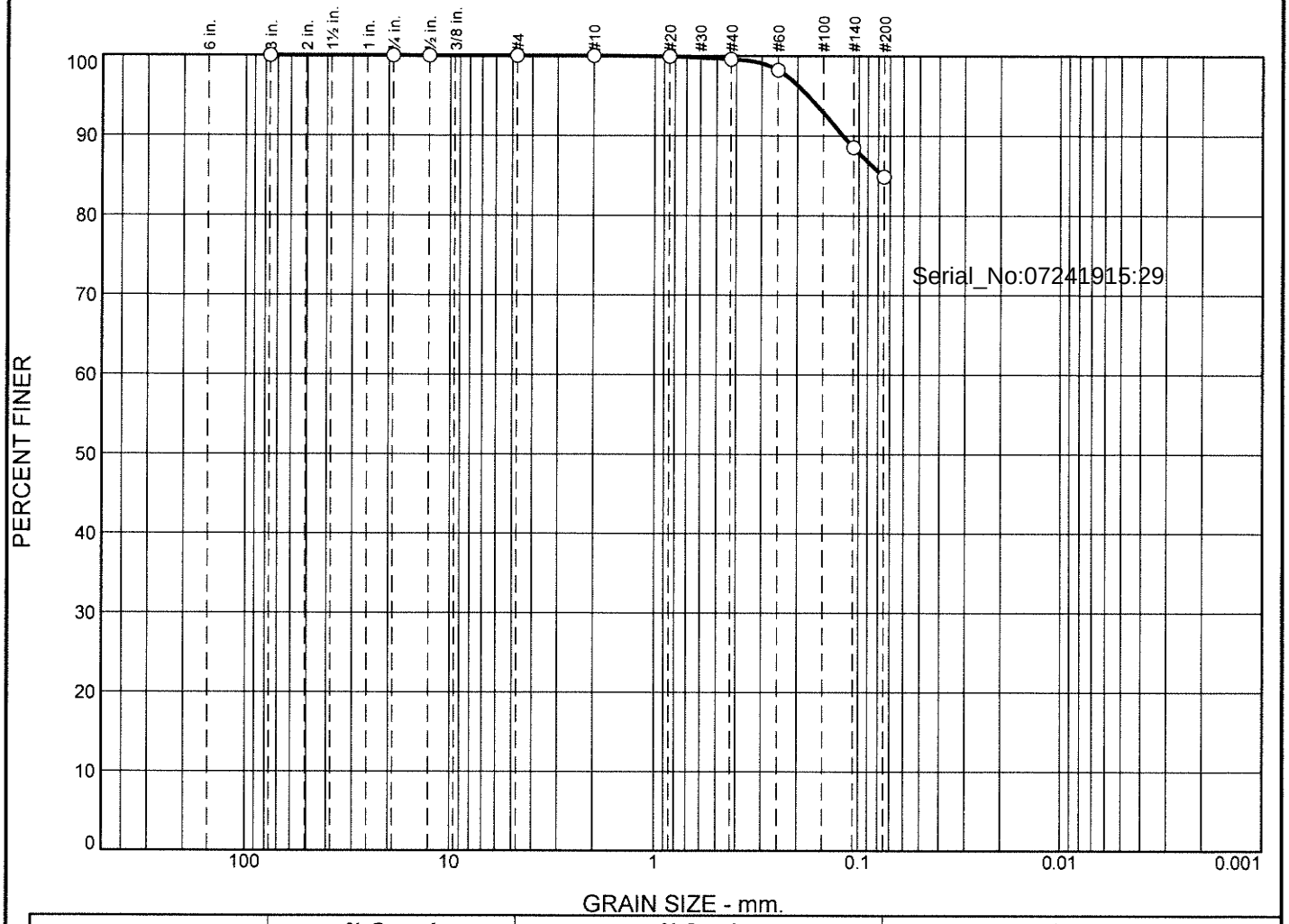
Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	0.0	0.0	0.0	0.4	87.9	88.3			11.7

D_5	D_{10}	D_{15}	D_{20}	D_{30}	D_{40}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
		0.0842	0.0965	0.1150	0.1305	0.1460	0.1625	0.2038	0.2179	0.2354	0.2802

Fineness Modulus
0.52

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	0.4	14.7	84.9	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				0.0760							

Material Description	USCS	AASHTO
○		

Project No. **Client:**

Project:

○ **Source of Sample:** SB19-07 (12.8-14.8) **Sample Number:** L1930094-02

Date: ○

Alpha Analytical

Mansfield, MA

Remarks:

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

7/24/2019

Location: SB19-07 (12.8-14.8)

Sample Number: L1930094-02

Sieve Test Data

Post #200 Wash Test Weights (grams): **Dry Sample and Tare =** 79.79
Tare Wt. = 0.00
Minus #200 from wash = 0.0%

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer
79.79	0.00	3	0.00	0.00	100.0
		0.75	0.00	0.00	100.0
		0.50	0.00	0.00	100.0
		#4	0.00	0.00	100.0
		#10	0.00	0.00	100.0
		#20	0.06	0.00	99.9
		#40	0.28	0.00	99.6
		#60	1.07	0.00	98.2
		#140	7.73	0.00	88.5
		#200	2.93	0.00	84.9

Serial_No:07241915:29

Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	0.0	0.0	0.0	0.4	14.7	15.1			84.9

D_5	D_{10}	D_{15}	D_{20}	D_{30}	D_{40}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
									0.0760	0.1194	0.1774

Fineness Modulus
0.08

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

EPA 6860: SCM: Perchlorate

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 7/10/19

ALPHA Job #: L1930094

ALPHA
8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Client Information

Client: Woodard & Curran

Address: 40 Shattuck Rd
Andover, MA

Phone: 978-482-7838

Email: soney@woodardcurran.com
~~Kelich~~@woodardcurran.com
Kelich

Additional Project Information:

Project Information

Project Name: Salem Former WWTF

Project Location: Salem, NH

Project #: 231841

Project Manager: Jarrod Yoder

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due:

Report Information - Data Deliverables

☒ ADEx ☒ EMAIL

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements & Project Information Requirements

☐ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods
☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
☐ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)
☐ Yes ☐ No NPDES RGP
☐ Other State /Fed Program _____ Criteria _____

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	ANALYSIS: VOC: ☒ 8260 ☐ 624 ☐ 524.2	SVOC: ☐ ABN ☐ PAH	METALS: ☐ MCP 13 ☐ MCP 14 ☐ RCP 15	METALS: ☐ RCRA5 ☐ RCRA8 ☐ PP13	EPH: ☐ Ranges & Targets ☐ Ranges Only	VPH: ☐ Ranges & Targets ☐ Ranges Only	☐ PCB ☐ PEST	TPH: ☐ Quant Only ☐ Fingerprint	% Solids	TOC 9060	Grain Size			SAMPLE INFO: Filtration ☐ Field ☐ Lab to do; Preservation ☐ Lab to do	Sample Comments	TOTAL # BOTTLES
1930094-01	SB19-07(7-9)	7/9/19	1120	Soil	CSM	X								X	X	X					7
-02	SB19-07(12.8-14.8)	7/9/19	1125	Soil	CSM	X								X	X	X					7
-03	SB19-08(7-9)	7/9/19	1400	Soil	CSM	X								X							4
-04	SB19-09(19-20)	7/9/19	1530	Soil	CSM	X								X							4
-05	Trip Blank	7/8/19	947	—	—	X															2

Container Type	V													P	A	A					
Preservative	C,O													A	A	A					

Container Type
P= Plastic
A= Amber glass
V= Vial
G= Glass
B= Bacteria cup
C= Cube
O= Other
E= Encore
D= BOD Bottle

Preservative
A= None
B= HCl
C= HNO_3
D= H_2SO_4
E= NaOH
F= MeOH
G= $NaHSO_4$
H= $Na_2S_2O_3$
I= Ascorbic Acid
J= NH_4Cl
K= Zn Acetate
O= Other

Relinquished By:	Date/Time	Received By:	Date/Time
W&L Rob Macedo	7/10 15:30	Rob Macedo	7/10/19 1530
Rob Macedo	7/10/19 1845		7/10/19 1845

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)

ANALYTICAL REPORT

Lab Number:	L1930632
Client:	Woodard & Curran 40 Shattuck Road Suite 110 Andover, MA 01810
ATTN:	Samantha Olney
Phone:	(978) 557-8150
Project Name:	FORMER WWTP
Project Number:	Not Specified
Report Date:	07/19/19

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: FORMER WWTP
Project Number: Not Specified

Lab Number: L1930632
Report Date: 07/19/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1930632-01	HSB-19-5	SOIL	SALEM, NH	07/11/19 09:15	07/12/19
L1930632-02	EQUIPMENT BLANK	WATER	SALEM, NH	07/11/19 09:30	07/12/19
L1930632-03	HSB-19-7	SOIL	SALEM, NH	07/11/19 10:18	07/12/19
L1930632-04	HSB-19-6	SOIL	SALEM, NH	07/11/19 11:40	07/12/19
L1930632-05	HSB-19-1	SOIL	SALEM, NH	07/11/19 12:50	07/12/19
L1930632-06	HSB-19-2	SOIL	SALEM, NH	07/11/19 13:40	07/12/19
L1930632-07	HSB-19-3	SOIL	SALEM, NH	07/11/19 14:20	07/12/19
L1930632-08	HSB-19-4	SOIL	SALEM, NH	07/11/19 16:20	07/12/19
L1930632-09	TRIP BLANK	SOIL	SALEM, NH	07/11/19 00:00	07/12/19
L1930632-10	TRIP BLANK	WATER	SALEM, NH	07/11/19 00:00	07/12/19

Project Name:	FORMER WWTP	**Lab Number:**	L1930632
Project Number:	Not Specified	**Report Date:**	07/19/19

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	FORMER WWTP	**Lab Number:**	L1930632
Project Number:	Not Specified	**Report Date:**	07/19/19

Case Narrative (continued)

Volatile Organics

L1930632-09: The Trip Blank has results for acetone and tert-butyl alcohol present above the reporting limits. The sample was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential for carry over.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 07/19/19

ORGANICS

VOLATILES

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1930632
Report Date: 07/19/19

SAMPLE RESULTS

Lab ID: L1930632-01
Client ID: HSB-19-5
Sample Location: SALEM, NH

Date Collected: 07/11/19 09:15
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/18/19 18:38
Analyst: NLK
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.8	--	1
1,1-Dichloroethane	ND		ug/kg	0.76	--	1
Chloroform	ND		ug/kg	1.1	--	1
Carbon tetrachloride	ND		ug/kg	0.76	--	1
1,2-Dichloropropane	ND		ug/kg	0.76	--	1
Dibromochloromethane	ND		ug/kg	0.76	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.76	--	1
Tetrachloroethene	ND		ug/kg	0.38	--	1
Chlorobenzene	ND		ug/kg	0.38	--	1
Trichlorofluoromethane	ND		ug/kg	3.0	--	1
1,2-Dichloroethane	ND		ug/kg	0.76	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.38	--	1
Bromodichloromethane	ND		ug/kg	0.38	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.76	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.38	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.38	--	1
1,1-Dichloropropene	ND		ug/kg	0.38	--	1
Bromoform	ND		ug/kg	3.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.38	--	1
Benzene	ND		ug/kg	0.38	--	1
Toluene	ND		ug/kg	0.76	--	1
Ethylbenzene	ND		ug/kg	0.76	--	1
Chloromethane	ND		ug/kg	3.0	--	1
Bromomethane	ND		ug/kg	1.5	--	1
Vinyl chloride	ND		ug/kg	0.76	--	1
Chloroethane	ND		ug/kg	1.5	--	1
1,1-Dichloroethene	ND		ug/kg	0.76	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.1	--	1

Project Name: FORMER WWTP **Lab Number:** L1930632

Project Number: Not Specified **Report Date:** 07/19/19

SAMPLE RESULTS

Lab ID: L1930632-01 Date Collected: 07/11/19 09:15

Client ID: HSB-19-5 Date Received: 07/12/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.38	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.5	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.5	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.5	--	1
Methyl tert butyl ether	ND		ug/kg	1.5	--	1
p/m-Xylene	ND		ug/kg	1.5	--	1
o-Xylene	ND		ug/kg	0.76	--	1
Xylenes, Total	ND		ug/kg	0.76	--	1
cis-1,2-Dichloroethene	12		ug/kg	0.76	--	1
1,2-Dichloroethene, Total	12		ug/kg	0.76	--	1
Dibromomethane	ND		ug/kg	1.5	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.5	--	1
Styrene	ND		ug/kg	0.76	--	1
Dichlorodifluoromethane	ND		ug/kg	7.6	--	1
Acetone	12		ug/kg	7.6	--	1
Carbon disulfide	ND		ug/kg	7.6	--	1
2-Butanone	ND		ug/kg	7.6	--	1
4-Methyl-2-pentanone	ND		ug/kg	7.6	--	1
2-Hexanone	ND		ug/kg	7.6	--	1
Bromochloromethane	ND		ug/kg	1.5	--	1
Tetrahydrofuran	ND		ug/kg	3.0	--	1
2,2-Dichloropropane	ND		ug/kg	1.5	--	1
1,2-Dibromoethane	ND		ug/kg	0.76	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.38	--	1
Bromobenzene	ND		ug/kg	1.5	--	1
n-Butylbenzene	ND		ug/kg	0.76	--	1
sec-Butylbenzene	ND		ug/kg	0.76	--	1
tert-Butylbenzene	ND		ug/kg	1.5	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.5	--	1
o-Chlorotoluene	ND		ug/kg	1.5	--	1
p-Chlorotoluene	ND		ug/kg	1.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.3	--	1
Hexachlorobutadiene	ND		ug/kg	3.0	--	1
Isopropylbenzene	ND		ug/kg	0.76	--	1
p-Isopropyltoluene	ND		ug/kg	0.76	--	1
Naphthalene	ND		ug/kg	3.0	--	1
n-Propylbenzene	ND		ug/kg	0.76	--	1

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1930632
Report Date: 07/19/19

SAMPLE RESULTS

Lab ID: L1930632-01
Client ID: HSB-19-5
Sample Location: SALEM, NH
Date Collected: 07/11/19 09:15
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.5	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.5	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.5	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.5	--	1
Ethyl ether	ND		ug/kg	1.5	--	1
Isopropyl Ether	ND		ug/kg	1.5	--	1
Tert-Butyl Alcohol	ND		ug/kg	15	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.5	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.5	--	1
1,4-Dioxane	ND		ug/kg	61	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	107		70-130

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1930632
Report Date: 07/19/19

SAMPLE RESULTS

Lab ID: L1930632-02
Client ID: EQUIPMENT BLANK
Sample Location: SALEM, NH
Date Collected: 07/11/19 09:30
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/16/19 12:03
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1

Project Name: FORMER WWTP **Lab Number:** L1930632

Project Number: Not Specified **Report Date:** 07/19/19

SAMPLE RESULTS

Lab ID: L1930632-02 Date Collected: 07/11/19 09:30

Client ID: EQUIPMENT BLANK Date Received: 07/12/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethene, Total	ND		ug/l	0.50	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1930632
Report Date: 07/19/19

SAMPLE RESULTS

Lab ID: L1930632-02
Client ID: EQUIPMENT BLANK
Sample Location: SALEM, NH
Date Collected: 07/11/19 09:30
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,3,5-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
Isopropyl Ether	ND		ug/l	2.0	--	1
Tert-Butyl Alcohol	ND		ug/l	10	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	109		70-130

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1930632
Report Date: 07/19/19

SAMPLE RESULTS

Lab ID: L1930632-03
Client ID: HSB-19-7
Sample Location: SALEM, NH
Date Collected: 07/11/19 10:18
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/18/19 19:12
Analyst: NLK
Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.9	--	1
1,1-Dichloroethane	ND		ug/kg	0.78	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.78	--	1
1,2-Dichloropropane	ND		ug/kg	0.78	--	1
Dibromochloromethane	ND		ug/kg	0.78	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.78	--	1
Tetrachloroethene	ND		ug/kg	0.39	--	1
Chlorobenzene	ND		ug/kg	0.39	--	1
Trichlorofluoromethane	ND		ug/kg	3.1	--	1
1,2-Dichloroethane	ND		ug/kg	0.78	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.39	--	1
Bromodichloromethane	ND		ug/kg	0.39	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.78	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.39	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.39	--	1
1,1-Dichloropropene	ND		ug/kg	0.39	--	1
Bromoform	ND		ug/kg	3.1	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.39	--	1
Benzene	ND		ug/kg	0.39	--	1
Toluene	ND		ug/kg	0.78	--	1
Ethylbenzene	ND		ug/kg	0.78	--	1
Chloromethane	ND		ug/kg	3.1	--	1
Bromomethane	ND		ug/kg	1.6	--	1
Vinyl chloride	ND		ug/kg	0.78	--	1
Chloroethane	ND		ug/kg	1.6	--	1
1,1-Dichloroethene	ND		ug/kg	0.78	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1930632
Report Date: 07/19/19

SAMPLE RESULTS

Lab ID: L1930632-03
Client ID: HSB-19-7
Sample Location: SALEM, NH
Date Collected: 07/11/19 10:18
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.39	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.6	--	1
Methyl tert butyl ether	ND		ug/kg	1.6	--	1
p/m-Xylene	ND		ug/kg	1.6	--	1
o-Xylene	ND		ug/kg	0.78	--	1
Xylenes, Total	ND		ug/kg	0.78	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.78	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.78	--	1
Dibromomethane	ND		ug/kg	1.6	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.6	--	1
Styrene	ND		ug/kg	0.78	--	1
Dichlorodifluoromethane	ND		ug/kg	7.8	--	1
Acetone	23		ug/kg	7.8	--	1
Carbon disulfide	ND		ug/kg	7.8	--	1
2-Butanone	ND		ug/kg	7.8	--	1
4-Methyl-2-pentanone	ND		ug/kg	7.8	--	1
2-Hexanone	ND		ug/kg	7.8	--	1
Bromochloromethane	ND		ug/kg	1.6	--	1
Tetrahydrofuran	ND		ug/kg	3.1	--	1
2,2-Dichloropropane	ND		ug/kg	1.6	--	1
1,2-Dibromoethane	ND		ug/kg	0.78	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.39	--	1
Bromobenzene	ND		ug/kg	1.6	--	1
n-Butylbenzene	ND		ug/kg	0.78	--	1
sec-Butylbenzene	ND		ug/kg	0.78	--	1
tert-Butylbenzene	ND		ug/kg	1.6	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.6	--	1
o-Chlorotoluene	ND		ug/kg	1.6	--	1
p-Chlorotoluene	ND		ug/kg	1.6	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.3	--	1
Hexachlorobutadiene	ND		ug/kg	3.1	--	1
Isopropylbenzene	ND		ug/kg	0.78	--	1
p-Isopropyltoluene	ND		ug/kg	0.78	--	1
Naphthalene	ND		ug/kg	3.1	--	1
n-Propylbenzene	ND		ug/kg	0.78	--	1

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1930632
Report Date: 07/19/19

SAMPLE RESULTS

Lab ID: L1930632-03
Client ID: HSB-19-7
Sample Location: SALEM, NH
Date Collected: 07/11/19 10:18
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.6	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.6	--	1
Ethyl ether	ND		ug/kg	1.6	--	1
Isopropyl Ether	ND		ug/kg	1.6	--	1
Tert-Butyl Alcohol	ND		ug/kg	16	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.6	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.6	--	1
1,4-Dioxane	ND		ug/kg	62	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	109		70-130

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1930632
Report Date: 07/19/19

SAMPLE RESULTS

Lab ID: L1930632-04
Client ID: HSB-19-6
Sample Location: SALEM, NH
Date Collected: 07/11/19 11:40
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/18/19 19:42
Analyst: NLK
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.6	--	1
1,1-Dichloroethane	ND		ug/kg	0.92	--	1
Chloroform	ND		ug/kg	1.4	--	1
Carbon tetrachloride	ND		ug/kg	0.92	--	1
1,2-Dichloropropane	ND		ug/kg	0.92	--	1
Dibromochloromethane	ND		ug/kg	0.92	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.92	--	1
Tetrachloroethene	ND		ug/kg	0.46	--	1
Chlorobenzene	ND		ug/kg	0.46	--	1
Trichlorofluoromethane	ND		ug/kg	3.7	--	1
1,2-Dichloroethane	ND		ug/kg	0.92	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.46	--	1
Bromodichloromethane	ND		ug/kg	0.46	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.92	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.46	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.46	--	1
1,1-Dichloropropene	ND		ug/kg	0.46	--	1
Bromoform	ND		ug/kg	3.7	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.46	--	1
Benzene	ND		ug/kg	0.46	--	1
Toluene	ND		ug/kg	0.92	--	1
Ethylbenzene	ND		ug/kg	0.92	--	1
Chloromethane	ND		ug/kg	3.7	--	1
Bromomethane	ND		ug/kg	1.8	--	1
Vinyl chloride	ND		ug/kg	0.92	--	1
Chloroethane	ND		ug/kg	1.8	--	1
1,1-Dichloroethene	ND		ug/kg	0.92	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	--	1

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1930632
Report Date: 07/19/19

SAMPLE RESULTS

Lab ID: L1930632-04
Client ID: HSB-19-6
Sample Location: SALEM, NH
Date Collected: 07/11/19 11:40
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.46	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	--	1
Methyl tert butyl ether	ND		ug/kg	1.8	--	1
p/m-Xylene	ND		ug/kg	1.8	--	1
o-Xylene	ND		ug/kg	0.92	--	1
Xylenes, Total	ND		ug/kg	0.92	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.92	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.92	--	1
Dibromomethane	ND		ug/kg	1.8	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	--	1
Styrene	ND		ug/kg	0.92	--	1
Dichlorodifluoromethane	ND		ug/kg	9.2	--	1
Acetone	ND		ug/kg	9.2	--	1
Carbon disulfide	ND		ug/kg	9.2	--	1
2-Butanone	ND		ug/kg	9.2	--	1
4-Methyl-2-pentanone	ND		ug/kg	9.2	--	1
2-Hexanone	ND		ug/kg	9.2	--	1
Bromochloromethane	ND		ug/kg	1.8	--	1
Tetrahydrofuran	ND		ug/kg	3.7	--	1
2,2-Dichloropropane	ND		ug/kg	1.8	--	1
1,2-Dibromoethane	ND		ug/kg	0.92	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.46	--	1
Bromobenzene	ND		ug/kg	1.8	--	1
n-Butylbenzene	ND		ug/kg	0.92	--	1
sec-Butylbenzene	ND		ug/kg	0.92	--	1
tert-Butylbenzene	ND		ug/kg	1.8	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.8	--	1
o-Chlorotoluene	ND		ug/kg	1.8	--	1
p-Chlorotoluene	ND		ug/kg	1.8	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.7	--	1
Hexachlorobutadiene	ND		ug/kg	3.7	--	1
Isopropylbenzene	ND		ug/kg	0.92	--	1
p-Isopropyltoluene	ND		ug/kg	0.92	--	1
Naphthalene	ND		ug/kg	3.7	--	1
n-Propylbenzene	ND		ug/kg	0.92	--	1

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1930632
Report Date: 07/19/19

SAMPLE RESULTS

Lab ID: L1930632-04
Client ID: HSB-19-6
Sample Location: SALEM, NH
Date Collected: 07/11/19 11:40
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	--	1
Ethyl ether	ND		ug/kg	1.8	--	1
Isopropyl Ether	ND		ug/kg	1.8	--	1
Tert-Butyl Alcohol	55		ug/kg	18	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.8	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.8	--	1
1,4-Dioxane	ND		ug/kg	73	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	110		70-130

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1930632
Report Date: 07/19/19

SAMPLE RESULTS

Lab ID: L1930632-05
Client ID: HSB-19-1
Sample Location: SALEM, NH
Date Collected: 07/11/19 12:50
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/18/19 20:13
Analyst: NLK
Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.5	--	1
1,1-Dichloroethane	ND		ug/kg	1.1	--	1
Chloroform	ND		ug/kg	1.6	--	1
Carbon tetrachloride	ND		ug/kg	1.1	--	1
1,2-Dichloropropane	ND		ug/kg	1.1	--	1
Dibromochloromethane	ND		ug/kg	1.1	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	--	1
Tetrachloroethene	ND		ug/kg	0.55	--	1
Chlorobenzene	ND		ug/kg	0.55	--	1
Trichlorofluoromethane	ND		ug/kg	4.4	--	1
1,2-Dichloroethane	ND		ug/kg	1.1	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.55	--	1
Bromodichloromethane	ND		ug/kg	0.55	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.55	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.55	--	1
1,1-Dichloropropene	ND		ug/kg	0.55	--	1
Bromoform	ND		ug/kg	4.4	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.55	--	1
Benzene	ND		ug/kg	0.55	--	1
Toluene	ND		ug/kg	1.1	--	1
Ethylbenzene	ND		ug/kg	1.1	--	1
Chloromethane	ND		ug/kg	4.4	--	1
Bromomethane	ND		ug/kg	2.2	--	1
Vinyl chloride	1.5		ug/kg	1.1	--	1
Chloroethane	ND		ug/kg	2.2	--	1
1,1-Dichloroethene	ND		ug/kg	1.1	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	--	1

Project Name: FORMER WWTP **Lab Number:** L1930632

Project Number: Not Specified **Report Date:** 07/19/19

SAMPLE RESULTS

Lab ID: L1930632-05 Date Collected: 07/11/19 12:50

Client ID: HSB-19-1 Date Received: 07/12/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.55	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	--	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	--	1
Methyl tert butyl ether	ND		ug/kg	2.2	--	1
p/m-Xylene	ND		ug/kg	2.2	--	1
o-Xylene	ND		ug/kg	1.1	--	1
Xylenes, Total	ND		ug/kg	1.1	--	1
cis-1,2-Dichloroethene	2.7		ug/kg	1.1	--	1
1,2-Dichloroethene, Total	2.7		ug/kg	1.1	--	1
Dibromomethane	ND		ug/kg	2.2	--	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	--	1
Styrene	ND		ug/kg	1.1	--	1
Dichlorodifluoromethane	ND		ug/kg	11	--	1
Acetone	20		ug/kg	11	--	1
Carbon disulfide	ND		ug/kg	11	--	1
2-Butanone	ND		ug/kg	11	--	1
4-Methyl-2-pentanone	ND		ug/kg	11	--	1
2-Hexanone	ND		ug/kg	11	--	1
Bromochloromethane	ND		ug/kg	2.2	--	1
Tetrahydrofuran	ND		ug/kg	4.4	--	1
2,2-Dichloropropane	ND		ug/kg	2.2	--	1
1,2-Dibromoethane	ND		ug/kg	1.1	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.55	--	1
Bromobenzene	ND		ug/kg	2.2	--	1
n-Butylbenzene	ND		ug/kg	1.1	--	1
sec-Butylbenzene	ND		ug/kg	1.1	--	1
tert-Butylbenzene	ND		ug/kg	2.2	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	2.2	--	1
o-Chlorotoluene	ND		ug/kg	2.2	--	1
p-Chlorotoluene	ND		ug/kg	2.2	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	--	1
Hexachlorobutadiene	ND		ug/kg	4.4	--	1
Isopropylbenzene	ND		ug/kg	1.1	--	1
p-Isopropyltoluene	ND		ug/kg	1.1	--	1
Naphthalene	ND		ug/kg	4.4	--	1
n-Propylbenzene	ND		ug/kg	1.1	--	1

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1930632
Report Date: 07/19/19

SAMPLE RESULTS

Lab ID: L1930632-05
Client ID: HSB-19-1
Sample Location: SALEM, NH
Date Collected: 07/11/19 12:50
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	--	1
Ethyl ether	ND		ug/kg	2.2	--	1
Isopropyl Ether	ND		ug/kg	2.2	--	1
Tert-Butyl Alcohol	ND		ug/kg	22	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.2	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.2	--	1
1,4-Dioxane	ND		ug/kg	88	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	108		70-130

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1930632
Report Date: 07/19/19

SAMPLE RESULTS

Lab ID: L1930632-06
Client ID: HSB-19-2
Sample Location: SALEM, NH
Date Collected: 07/11/19 13:40
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/18/19 20:44
Analyst: NLK
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.8	--	1
1,1-Dichloroethane	ND		ug/kg	1.2	--	1
Chloroform	ND		ug/kg	1.8	--	1
Carbon tetrachloride	ND		ug/kg	1.2	--	1
1,2-Dichloropropane	ND		ug/kg	1.2	--	1
Dibromochloromethane	ND		ug/kg	1.2	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	--	1
Tetrachloroethene	ND		ug/kg	0.58	--	1
Chlorobenzene	ND		ug/kg	0.58	--	1
Trichlorofluoromethane	ND		ug/kg	4.7	--	1
1,2-Dichloroethane	ND		ug/kg	1.2	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.58	--	1
Bromodichloromethane	ND		ug/kg	0.58	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.58	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.58	--	1
1,1-Dichloropropene	ND		ug/kg	0.58	--	1
Bromoform	ND		ug/kg	4.7	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.58	--	1
Benzene	ND		ug/kg	0.58	--	1
Toluene	ND		ug/kg	1.2	--	1
Ethylbenzene	ND		ug/kg	1.2	--	1
Chloromethane	ND		ug/kg	4.7	--	1
Bromomethane	ND		ug/kg	2.3	--	1
Vinyl chloride	ND		ug/kg	1.2	--	1
Chloroethane	ND		ug/kg	2.3	--	1
1,1-Dichloroethene	ND		ug/kg	1.2	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	--	1

Project Name: FORMER WWTP **Lab Number:** L1930632

Project Number: Not Specified **Report Date:** 07/19/19

SAMPLE RESULTS

Lab ID: L1930632-06 Date Collected: 07/11/19 13:40

Client ID: HSB-19-2 Date Received: 07/12/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.58	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	--	1
1,3-Dichlorobenzene	ND		ug/kg	2.3	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	--	1
Methyl tert butyl ether	ND		ug/kg	2.3	--	1
p/m-Xylene	ND		ug/kg	2.3	--	1
o-Xylene	ND		ug/kg	1.2	--	1
Xylenes, Total	ND		ug/kg	1.2	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	--	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	--	1
Dibromomethane	ND		ug/kg	2.3	--	1
1,2,3-Trichloropropane	ND		ug/kg	2.3	--	1
Styrene	ND		ug/kg	1.2	--	1
Dichlorodifluoromethane	ND		ug/kg	12	--	1
Acetone	42		ug/kg	12	--	1
Carbon disulfide	ND		ug/kg	12	--	1
2-Butanone	ND		ug/kg	12	--	1
4-Methyl-2-pentanone	ND		ug/kg	12	--	1
2-Hexanone	ND		ug/kg	12	--	1
Bromochloromethane	ND		ug/kg	2.3	--	1
Tetrahydrofuran	ND		ug/kg	4.7	--	1
2,2-Dichloropropane	ND		ug/kg	2.3	--	1
1,2-Dibromoethane	ND		ug/kg	1.2	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.58	--	1
Bromobenzene	ND		ug/kg	2.3	--	1
n-Butylbenzene	ND		ug/kg	1.2	--	1
sec-Butylbenzene	ND		ug/kg	1.2	--	1
tert-Butylbenzene	ND		ug/kg	2.3	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	2.3	--	1
o-Chlorotoluene	ND		ug/kg	2.3	--	1
p-Chlorotoluene	ND		ug/kg	2.3	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.5	--	1
Hexachlorobutadiene	ND		ug/kg	4.7	--	1
Isopropylbenzene	ND		ug/kg	1.2	--	1
p-Isopropyltoluene	ND		ug/kg	1.2	--	1
Naphthalene	ND		ug/kg	4.7	--	1
n-Propylbenzene	ND		ug/kg	1.2	--	1

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1930632
Report Date: 07/19/19

SAMPLE RESULTS

Lab ID: L1930632-06
Client ID: HSB-19-2
Sample Location: SALEM, NH
Date Collected: 07/11/19 13:40
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.3	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.3	--	1
Ethyl ether	ND		ug/kg	2.3	--	1
Isopropyl Ether	ND		ug/kg	2.3	--	1
Tert-Butyl Alcohol	28		ug/kg	23	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.3	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.3	--	1
1,4-Dioxane	ND		ug/kg	94	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	108		70-130

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1930632
Report Date: 07/19/19

SAMPLE RESULTS

Lab ID: L1930632-07
Client ID: HSB-19-3
Sample Location: SALEM, NH

Date Collected: 07/11/19 14:20
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/18/19 21:15
Analyst: NLK
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.6	--	1
1,1-Dichloroethane	ND		ug/kg	0.91	--	1
Chloroform	ND		ug/kg	1.4	--	1
Carbon tetrachloride	ND		ug/kg	0.91	--	1
1,2-Dichloropropane	ND		ug/kg	0.91	--	1
Dibromochloromethane	ND		ug/kg	0.91	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.91	--	1
Tetrachloroethene	ND		ug/kg	0.46	--	1
Chlorobenzene	ND		ug/kg	0.46	--	1
Trichlorofluoromethane	ND		ug/kg	3.6	--	1
1,2-Dichloroethane	ND		ug/kg	0.91	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.46	--	1
Bromodichloromethane	ND		ug/kg	0.46	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.91	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.46	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.46	--	1
1,1-Dichloropropene	ND		ug/kg	0.46	--	1
Bromoform	ND		ug/kg	3.6	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.46	--	1
Benzene	ND		ug/kg	0.46	--	1
Toluene	ND		ug/kg	0.91	--	1
Ethylbenzene	ND		ug/kg	0.91	--	1
Chloromethane	ND		ug/kg	3.6	--	1
Bromomethane	ND		ug/kg	1.8	--	1
Vinyl chloride	ND		ug/kg	0.91	--	1
Chloroethane	ND		ug/kg	1.8	--	1
1,1-Dichloroethene	ND		ug/kg	0.91	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	--	1

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1930632
Report Date: 07/19/19

SAMPLE RESULTS

Lab ID: L1930632-07
Client ID: HSB-19-3
Sample Location: SALEM, NH
Date Collected: 07/11/19 14:20
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.46	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	--	1
Methyl tert butyl ether	ND		ug/kg	1.8	--	1
p/m-Xylene	ND		ug/kg	1.8	--	1
o-Xylene	ND		ug/kg	0.91	--	1
Xylenes, Total	ND		ug/kg	0.91	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.91	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.91	--	1
Dibromomethane	ND		ug/kg	1.8	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	--	1
Styrene	ND		ug/kg	0.91	--	1
Dichlorodifluoromethane	ND		ug/kg	9.1	--	1
Acetone	20		ug/kg	9.1	--	1
Carbon disulfide	ND		ug/kg	9.1	--	1
2-Butanone	ND		ug/kg	9.1	--	1
4-Methyl-2-pentanone	ND		ug/kg	9.1	--	1
2-Hexanone	ND		ug/kg	9.1	--	1
Bromochloromethane	ND		ug/kg	1.8	--	1
Tetrahydrofuran	ND		ug/kg	3.6	--	1
2,2-Dichloropropane	ND		ug/kg	1.8	--	1
1,2-Dibromoethane	ND		ug/kg	0.91	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.46	--	1
Bromobenzene	ND		ug/kg	1.8	--	1
n-Butylbenzene	ND		ug/kg	0.91	--	1
sec-Butylbenzene	ND		ug/kg	0.91	--	1
tert-Butylbenzene	ND		ug/kg	1.8	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.8	--	1
o-Chlorotoluene	ND		ug/kg	1.8	--	1
p-Chlorotoluene	ND		ug/kg	1.8	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.7	--	1
Hexachlorobutadiene	ND		ug/kg	3.6	--	1
Isopropylbenzene	ND		ug/kg	0.91	--	1
p-Isopropyltoluene	ND		ug/kg	0.91	--	1
Naphthalene	ND		ug/kg	3.6	--	1
n-Propylbenzene	ND		ug/kg	0.91	--	1

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1930632
Report Date: 07/19/19

SAMPLE RESULTS

Lab ID: L1930632-07
Client ID: HSB-19-3
Sample Location: SALEM, NH
Date Collected: 07/11/19 14:20
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	--	1
Ethyl ether	ND		ug/kg	1.8	--	1
Isopropyl Ether	ND		ug/kg	1.8	--	1
Tert-Butyl Alcohol	49		ug/kg	18	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.8	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.8	--	1
1,4-Dioxane	ND		ug/kg	73	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	108		70-130

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1930632
Report Date: 07/19/19

SAMPLE RESULTS

Lab ID: L1930632-08
Client ID: HSB-19-4
Sample Location: SALEM, NH
Date Collected: 07/11/19 16:20
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/18/19 21:45
Analyst: NLK
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.2	--	1
1,1-Dichloroethane	ND		ug/kg	1.0	--	1
Chloroform	ND		ug/kg	1.5	--	1
Carbon tetrachloride	ND		ug/kg	1.0	--	1
1,2-Dichloropropane	ND		ug/kg	1.0	--	1
Dibromochloromethane	ND		ug/kg	1.0	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	--	1
Tetrachloroethene	ND		ug/kg	0.52	--	1
Chlorobenzene	ND		ug/kg	0.52	--	1
Trichlorofluoromethane	ND		ug/kg	4.1	--	1
1,2-Dichloroethane	ND		ug/kg	1.0	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.52	--	1
Bromodichloromethane	ND		ug/kg	0.52	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.52	--	1
1,1-Dichloropropene	ND		ug/kg	0.52	--	1
Bromoform	ND		ug/kg	4.1	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	--	1
Benzene	ND		ug/kg	0.52	--	1
Toluene	ND		ug/kg	1.0	--	1
Ethylbenzene	ND		ug/kg	1.0	--	1
Chloromethane	ND		ug/kg	4.1	--	1
Bromomethane	ND		ug/kg	2.1	--	1
Vinyl chloride	ND		ug/kg	1.0	--	1
Chloroethane	ND		ug/kg	2.1	--	1
1,1-Dichloroethene	ND		ug/kg	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--	1

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1930632
Report Date: 07/19/19

SAMPLE RESULTS

Lab ID: L1930632-08
Client ID: HSB-19-4
Sample Location: SALEM, NH
Date Collected: 07/11/19 16:20
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.52	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	--	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	--	1
Methyl tert butyl ether	ND		ug/kg	2.1	--	1
p/m-Xylene	ND		ug/kg	2.1	--	1
o-Xylene	ND		ug/kg	1.0	--	1
Xylenes, Total	ND		ug/kg	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--	1
Dibromomethane	ND		ug/kg	2.1	--	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	--	1
Styrene	ND		ug/kg	1.0	--	1
Dichlorodifluoromethane	ND		ug/kg	10	--	1
Acetone	25		ug/kg	10	--	1
Carbon disulfide	ND		ug/kg	10	--	1
2-Butanone	ND		ug/kg	10	--	1
4-Methyl-2-pentanone	ND		ug/kg	10	--	1
2-Hexanone	ND		ug/kg	10	--	1
Bromochloromethane	ND		ug/kg	2.1	--	1
Tetrahydrofuran	ND		ug/kg	4.1	--	1
2,2-Dichloropropane	ND		ug/kg	2.1	--	1
1,2-Dibromoethane	ND		ug/kg	1.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.52	--	1
Bromobenzene	ND		ug/kg	2.1	--	1
n-Butylbenzene	ND		ug/kg	1.0	--	1
sec-Butylbenzene	ND		ug/kg	1.0	--	1
tert-Butylbenzene	ND		ug/kg	2.1	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	2.1	--	1
o-Chlorotoluene	ND		ug/kg	2.1	--	1
p-Chlorotoluene	ND		ug/kg	2.1	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	--	1
Hexachlorobutadiene	ND		ug/kg	4.1	--	1
Isopropylbenzene	ND		ug/kg	1.0	--	1
p-Isopropyltoluene	ND		ug/kg	1.0	--	1
Naphthalene	ND		ug/kg	4.1	--	1
n-Propylbenzene	ND		ug/kg	1.0	--	1

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1930632
Report Date: 07/19/19

SAMPLE RESULTS

Lab ID: L1930632-08
Client ID: HSB-19-4
Sample Location: SALEM, NH
Date Collected: 07/11/19 16:20
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	--	1
Ethyl ether	ND		ug/kg	2.1	--	1
Isopropyl Ether	ND		ug/kg	2.1	--	1
Tert-Butyl Alcohol	52		ug/kg	21	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.1	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.1	--	1
1,4-Dioxane	ND		ug/kg	82	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	108		70-130

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1930632
Report Date: 07/19/19

SAMPLE RESULTS

Lab ID: L1930632-09
Client ID: TRIP BLANK
Sample Location: SALEM, NH
Date Collected: 07/11/19 00:00
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/18/19 18:06
Analyst: NLK
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	--	1
1,1-Dichloroethane	ND		ug/kg	1.0	--	1
Chloroform	ND		ug/kg	1.5	--	1
Carbon tetrachloride	ND		ug/kg	1.0	--	1
1,2-Dichloropropane	ND		ug/kg	1.0	--	1
Dibromochloromethane	ND		ug/kg	1.0	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	--	1
Tetrachloroethene	ND		ug/kg	0.50	--	1
Chlorobenzene	ND		ug/kg	0.50	--	1
Trichlorofluoromethane	ND		ug/kg	4.0	--	1
1,2-Dichloroethane	ND		ug/kg	1.0	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	--	1
Bromodichloromethane	ND		ug/kg	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--	1
1,1-Dichloropropene	ND		ug/kg	0.50	--	1
Bromoform	ND		ug/kg	4.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--	1
Benzene	ND		ug/kg	0.50	--	1
Toluene	ND		ug/kg	1.0	--	1
Ethylbenzene	ND		ug/kg	1.0	--	1
Chloromethane	ND		ug/kg	4.0	--	1
Bromomethane	ND		ug/kg	2.0	--	1
Vinyl chloride	ND		ug/kg	1.0	--	1
Chloroethane	ND		ug/kg	2.0	--	1
1,1-Dichloroethene	ND		ug/kg	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--	1

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1930632
Report Date: 07/19/19

SAMPLE RESULTS

Lab ID: L1930632-09
Client ID: TRIP BLANK
Sample Location: SALEM, NH
Date Collected: 07/11/19 00:00
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.50	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	--	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	--	1
Methyl tert butyl ether	ND		ug/kg	2.0	--	1
p/m-Xylene	ND		ug/kg	2.0	--	1
o-Xylene	ND		ug/kg	1.0	--	1
Xylenes, Total	ND		ug/kg	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--	1
Dibromomethane	ND		ug/kg	2.0	--	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	--	1
Styrene	ND		ug/kg	1.0	--	1
Dichlorodifluoromethane	ND		ug/kg	10	--	1
Acetone	24		ug/kg	10	--	1
Carbon disulfide	ND		ug/kg	10	--	1
2-Butanone	ND		ug/kg	10	--	1
4-Methyl-2-pentanone	ND		ug/kg	10	--	1
2-Hexanone	ND		ug/kg	10	--	1
Bromochloromethane	ND		ug/kg	2.0	--	1
Tetrahydrofuran	ND		ug/kg	4.0	--	1
2,2-Dichloropropane	ND		ug/kg	2.0	--	1
1,2-Dibromoethane	ND		ug/kg	1.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--	1
Bromobenzene	ND		ug/kg	2.0	--	1
n-Butylbenzene	ND		ug/kg	1.0	--	1
sec-Butylbenzene	ND		ug/kg	1.0	--	1
tert-Butylbenzene	ND		ug/kg	2.0	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	2.0	--	1
o-Chlorotoluene	ND		ug/kg	2.0	--	1
p-Chlorotoluene	ND		ug/kg	2.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--	1
Hexachlorobutadiene	ND		ug/kg	4.0	--	1
Isopropylbenzene	ND		ug/kg	1.0	--	1
p-Isopropyltoluene	ND		ug/kg	1.0	--	1
Naphthalene	ND		ug/kg	4.0	--	1
n-Propylbenzene	ND		ug/kg	1.0	--	1

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1930632
Report Date: 07/19/19

SAMPLE RESULTS

Lab ID: L1930632-09
Client ID: TRIP BLANK
Sample Location: SALEM, NH
Date Collected: 07/11/19 00:00
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--	1
Ethyl ether	ND		ug/kg	2.0	--	1
Isopropyl Ether	ND		ug/kg	2.0	--	1
Tert-Butyl Alcohol	31		ug/kg	20	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--	1
1,4-Dioxane	ND		ug/kg	80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	103		70-130

Project Name: FORMER WWTP
Project Number: Not Specified

Lab Number: L1930632
Report Date: 07/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/16/19 09:08
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1260896-5					
Methylene chloride	ND		ug/l	3.0	--
1,1-Dichloroethane	ND		ug/l	0.75	--
Chloroform	ND		ug/l	0.75	--
Carbon tetrachloride	ND		ug/l	0.50	--
1,2-Dichloropropane	ND		ug/l	1.8	--
Dibromochloromethane	ND		ug/l	0.50	--
1,1,2-Trichloroethane	ND		ug/l	0.75	--
Tetrachloroethene	ND		ug/l	0.50	--
Chlorobenzene	ND		ug/l	0.50	--
Trichlorofluoromethane	ND		ug/l	2.5	--
1,2-Dichloroethane	ND		ug/l	0.50	--
1,1,1-Trichloroethane	ND		ug/l	0.50	--
Bromodichloromethane	ND		ug/l	0.50	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,3-Dichloropropene, Total	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.5	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	0.75	--
Ethylbenzene	ND		ug/l	0.50	--
Chloromethane	ND		ug/l	2.5	--
Bromomethane	ND		ug/l	1.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	1.0	--
1,1-Dichloroethene	ND		ug/l	0.50	--
trans-1,2-Dichloroethene	ND		ug/l	0.75	--
1,2-Dichloroethene, Total	ND		ug/l	0.50	--

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1930632
Report Date: 07/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/16/19 09:08
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1260896-5					
Trichloroethene	ND		ug/l	0.50	--
1,2-Dichlorobenzene	ND		ug/l	2.5	--
1,3-Dichlorobenzene	ND		ug/l	2.5	--
1,4-Dichlorobenzene	ND		ug/l	2.5	--
Methyl tert butyl ether	ND		ug/l	1.0	--
p/m-Xylene	ND		ug/l	1.0	--
o-Xylene	ND		ug/l	1.0	--
Xylenes, Total	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	0.50	--
Dibromomethane	ND		ug/l	5.0	--
1,2,3-Trichloropropane	ND		ug/l	5.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	5.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	5.0	--
2-Butanone	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.5	--
Tetrahydrofuran	ND		ug/l	5.0	--
2,2-Dichloropropane	ND		ug/l	2.5	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--
Bromobenzene	ND		ug/l	2.5	--
n-Butylbenzene	ND		ug/l	0.50	--
sec-Butylbenzene	ND		ug/l	0.50	--
tert-Butylbenzene	ND		ug/l	2.5	--
o-Chlorotoluene	ND		ug/l	2.5	--
p-Chlorotoluene	ND		ug/l	2.5	--

Project Name: FORMER WWTP
Project Number: Not Specified

Lab Number: L1930632
Report Date: 07/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/16/19 09:08
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1260896-5					
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--
Hexachlorobutadiene	ND		ug/l	0.50	--
Isopropylbenzene	ND		ug/l	0.50	--
p-Isopropyltoluene	ND		ug/l	0.50	--
Naphthalene	ND		ug/l	2.5	--
n-Propylbenzene	ND		ug/l	0.50	--
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--
1,3,5-Trichlorobenzene	ND		ug/l	2.0	--
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--
Ethyl ether	ND		ug/l	2.5	--
Isopropyl Ether	ND		ug/l	2.0	--
Tert-Butyl Alcohol	ND		ug/l	10	--
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--
1,4-Dioxane	ND		ug/l	250	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	114		70-130

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1930632
Report Date: 07/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/18/19 17:35
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03-09 Batch: WG1261959-5					
Methylene chloride	ND		ug/kg	5.0	--
1,1-Dichloroethane	ND		ug/kg	1.0	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	1.0	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.0	--
Tetrachloroethene	ND		ug/kg	0.50	--
Chlorobenzene	ND		ug/kg	0.50	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	0.50	--
Bromodichloromethane	ND		ug/kg	0.50	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--
1,1-Dichloropropene	ND		ug/kg	0.50	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--
Benzene	ND		ug/kg	0.50	--
Toluene	ND		ug/kg	1.0	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	1.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	0.50	--

Project Name: FORMER WWTP
Project Number: Not Specified

Lab Number: L1930632
Report Date: 07/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/18/19 17:35
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03-09 Batch: WG1261959-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	--
1,3-Dichlorobenzene	ND		ug/kg	2.0	--
1,4-Dichlorobenzene	ND		ug/kg	2.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	1.0	--
Xylenes, Total	ND		ug/kg	1.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	2.0	--
1,2,3-Trichloropropane	ND		ug/kg	2.0	--
Styrene	ND		ug/kg	1.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	10	--
Carbon disulfide	ND		ug/kg	10	--
2-Butanone	ND		ug/kg	10	--
4-Methyl-2-pentanone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Bromochloromethane	ND		ug/kg	2.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	2.0	--
1,2-Dibromoethane	ND		ug/kg	1.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--
Bromobenzene	ND		ug/kg	2.0	--
n-Butylbenzene	ND		ug/kg	1.0	--
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	2.0	--
1,3,5-Trichlorobenzene	ND		ug/kg	2.0	--
o-Chlorotoluene	ND		ug/kg	2.0	--

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1930632
Report Date: 07/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/18/19 17:35
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03-09 Batch: WG1261959-5					
p-Chlorotoluene	ND		ug/kg	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--
Ethyl ether	ND		ug/kg	2.0	--
Isopropyl Ether	ND		ug/kg	2.0	--
Tert-Butyl Alcohol	ND		ug/kg	20	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--
1,4-Dioxane	ND		ug/kg	80	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	107		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER WWTP
Project Number: Not Specified

Lab Number: L1930632
Report Date: 07/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1260896-3 WG1260896-4								
Methylene chloride	110		100		70-130	10		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	99		100		70-130	1		20
Carbon tetrachloride	100		98		63-132	2		20
1,2-Dichloropropane	100		97		70-130	3		20
Dibromochloromethane	110		100		63-130	10		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	100		96		70-130	4		20
Chlorobenzene	110		100		75-130	10		25
Trichlorofluoromethane	120		110		62-150	9		20
1,2-Dichloroethane	97		98		70-130	1		20
1,1,1-Trichloroethane	110		100		67-130	10		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	96		92		70-130	4		20
cis-1,3-Dichloropropene	96		92		70-130	4		20
1,1-Dichloropropene	98		96		70-130	2		20
Bromoform	110		100		54-136	10		20
1,1,2,2-Tetrachloroethane	100		98		67-130	2		20
Benzene	100		100		70-130	0		25
Toluene	110		100		70-130	10		25
Ethylbenzene	100		97		70-130	3		20
Chloromethane	91		82		64-130	10		20
Bromomethane	**140**	Q	130		39-139	7		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER WWTP
Project Number: Not Specified

Lab Number: L1930632
Report Date: 07/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1260896-3 WG1260896-4								
Vinyl chloride	98		98		55-140	0		20
Chloroethane	**170**	Q	**160**	Q	55-138	6		20
1,1-Dichloroethene	110		100		61-145	10		25
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	110		100		70-130	10		25
1,2-Dichlorobenzene	100		95		70-130	5		20
1,3-Dichlorobenzene	110		98		70-130	12		20
1,4-Dichlorobenzene	100		96		70-130	4		20
Methyl tert butyl ether	94		93		63-130	1		20
p/m-Xylene	105		100		70-130	5		20
o-Xylene	105		100		70-130	5		20
cis-1,2-Dichloroethene	110		100		70-130	10		20
Dibromomethane	110		100		70-130	10		20
1,2,3-Trichloropropane	98		92		64-130	6		20
Styrene	105		100		70-130	5		20
Dichlorodifluoromethane	92		84		36-147	9		20
Acetone	100		99		58-148	1		20
Carbon disulfide	110		100		51-130	10		20
2-Butanone	71		73		63-138	3		20
4-Methyl-2-pentanone	79		81		59-130	3		20
2-Hexanone	69		77		57-130	11		20
Bromochloromethane	110		100		70-130	10		20
Tetrahydrofuran	77		72		58-130	7		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER WWTP
Project Number: Not Specified

Lab Number: L1930632
Report Date: 07/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1260896-3 WG1260896-4								
2,2-Dichloropropane	100		99		63-133	1		20
1,2-Dibromoethane	99		94		70-130	5		20
1,1,1,2-Tetrachloroethane	110		100		64-130	10		20
Bromobenzene	99		92		70-130	7		20
n-Butylbenzene	110		96		53-136	14		20
sec-Butylbenzene	100		94		70-130	6		20
tert-Butylbenzene	85		78		70-130	9		20
o-Chlorotoluene	100		94		70-130	6		20
p-Chlorotoluene	100		93		70-130	7		20
1,2-Dibromo-3-chloropropane	91		90		41-144	1		20
Hexachlorobutadiene	110		100		63-130	10		20
Isopropylbenzene	98		90		70-130	9		20
p-Isopropyltoluene	100		92		70-130	8		20
Naphthalene	74		74		70-130	0		20
n-Propylbenzene	100		97		69-130	3		20
1,2,3-Trichlorobenzene	90		88		70-130	2		20
1,2,4-Trichlorobenzene	94		88		70-130	7		20
1,3,5-Trimethylbenzene	100		92		64-130	8		20
1,3,5-Trichlorobenzene	110		98		70-130	12		20
1,2,4-Trimethylbenzene	100		92		70-130	8		20
Ethyl ether	96		110		59-134	14		20
Isopropyl Ether	81		86		70-130	6		20
Tert-Butyl Alcohol	108		114		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER WWTP

Project Number: Not Specified

Lab Number: L1930632

Report Date: 07/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1260896-3 WG1260896-4								
Ethyl-Tert-Butyl-Ether	86		88		70-130	2		20
Tertiary-Amyl Methyl Ether	86		84		66-130	2		20
1,4-Dioxane	148		158		56-162	7		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		100		70-130
Toluene-d8	107		103		70-130
4-Bromofluorobenzene	93		91		70-130
Dibromofluoromethane	106		106		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER WWTP
Project Number: Not Specified

Lab Number: L1930632
Report Date: 07/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03-09 Batch: WG1261959-3 WG1261959-4								
Methylene chloride	85		88		70-130	3		30
1,1-Dichloroethane	97		95		70-130	2		30
Chloroform	100		98		70-130	2		30
Carbon tetrachloride	113		109		70-130	4		30
1,2-Dichloropropane	93		91		70-130	2		30
Dibromochloromethane	90		90		70-130	0		30
1,1,2-Trichloroethane	79		80		70-130	1		30
Tetrachloroethene	94		92		70-130	2		30
Chlorobenzene	84		84		70-130	0		30
Trichlorofluoromethane	116		109		70-139	6		30
1,2-Dichloroethane	100		99		70-130	1		30
1,1,1-Trichloroethane	117		115		70-130	2		30
Bromodichloromethane	101		99		70-130	2		30
trans-1,3-Dichloropropene	92		89		70-130	3		30
cis-1,3-Dichloropropene	96		94		70-130	2		30
1,1-Dichloropropene	102		98		70-130	4		30
Bromoform	86		84		70-130	2		30
1,1,2,2-Tetrachloroethane	78		76		70-130	3		30
Benzene	91		89		70-130	2		30
Toluene	86		86		70-130	0		30
Ethylbenzene	93		92		70-130	1		30
Chloromethane	79		77		52-130	3		30
Bromomethane	108		104		57-147	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER WWTP
Project Number: Not Specified

Lab Number: L1930632
Report Date: 07/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03-09 Batch: WG1261959-3 WG1261959-4								
Vinyl chloride	81		77		67-130	5		30
Chloroethane	100		95		50-151	5		30
1,1-Dichloroethene	86		82		65-135	5		30
trans-1,2-Dichloroethene	96		94		70-130	2		30
Trichloroethene	99		96		70-130	3		30
1,2-Dichlorobenzene	82		80		70-130	2		30
1,3-Dichlorobenzene	83		82		70-130	1		30
1,4-Dichlorobenzene	81		80		70-130	1		30
Methyl tert butyl ether	97		97		66-130	0		30
p/m-Xylene	88		86		70-130	2		30
o-Xylene	86		86		70-130	0		30
cis-1,2-Dichloroethene	94		94		70-130	0		30
Dibromomethane	90		89		70-130	1		30
1,2,3-Trichloropropane	81		78		68-130	4		30
Styrene	88		87		70-130	1		30
Dichlorodifluoromethane	80		77		30-146	4		30
Acetone	125		111		54-140	12		30
Carbon disulfide	71		71		59-130	0		30
2-Butanone	82		80		70-130	2		30
4-Methyl-2-pentanone	87		82		70-130	6		30
2-Hexanone	87		84		70-130	4		30
Bromochloromethane	92		89		70-130	3		30
Tetrahydrofuran	102		81		66-130	23		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER WWTP
Project Number: Not Specified

Lab Number: L1930632
Report Date: 07/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03-09 Batch: WG1261959-3 WG1261959-4								
2,2-Dichloropropane	114		109		70-130	4		30
1,2-Dibromoethane	81		83		70-130	2		30
1,1,1,2-Tetrachloroethane	91		91		70-130	0		30
Bromobenzene	80		80		70-130	0		30
n-Butylbenzene	95		92		70-130	3		30
sec-Butylbenzene	89		86		70-130	3		30
tert-Butylbenzene	87		85		70-130	2		30
1,3,5-Trichlorobenzene	88		87		70-139	1		30
o-Chlorotoluene	90		87		70-130	3		30
p-Chlorotoluene	93		86		70-130	8		30
1,2-Dibromo-3-chloropropane	79		74		68-130	7		30
Hexachlorobutadiene	98		94		67-130	4		30
Isopropylbenzene	87		84		70-130	4		30
p-Isopropyltoluene	89		86		70-130	3		30
Naphthalene	80		78		70-130	3		30
n-Propylbenzene	90		88		70-130	2		30
1,2,3-Trichlorobenzene	83		82		70-130	1		30
1,2,4-Trichlorobenzene	86		84		70-130	2		30
1,3,5-Trimethylbenzene	88		85		70-130	3		30
1,2,4-Trimethylbenzene	88		85		70-130	3		30
Ethyl ether	82		81		67-130	1		30
Isopropyl Ether	92		94		66-130	2		30
Tert-Butyl Alcohol	92		92		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER WWTP
Project Number: Not Specified

Lab Number: L1930632
Report Date: 07/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03-09 Batch: WG1261959-3 WG1261959-4								
Ethyl-Tert-Butyl-Ether	96		96		70-130	0		30
Tertiary-Amyl Methyl Ether	89		89		70-130	0		30
1,4-Dioxane	135		129		65-136	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	112		112		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	105		104		70-130
Dibromofluoromethane	107		107		70-130

INORGANICS
&
MISCELLANEOUS

Project Name: FORMER WWTP
Project Number: Not Specified

Lab Number: L1930632
Report Date: 07/19/19

SAMPLE RESULTS

Lab ID: L1930632-01
Client ID: HSB-19-5
Sample Location: SALEM, NH

Date Collected: 07/11/19 09:15
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.0		%	0.100	NA	1	-	07/13/19 03:04	121,2540G	YA

Project Name: FORMER WWTP
Project Number: Not Specified

Lab Number: L1930632
Report Date: 07/19/19

SAMPLE RESULTS

Lab ID: L1930632-03
Client ID: HSB-19-7
Sample Location: SALEM, NH

Date Collected: 07/11/19 10:18
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.3		%	0.100	NA	1	-	07/13/19 03:04	121,2540G	YA

Project Name: FORMER WWTP
Project Number: Not Specified

Lab Number: L1930632
Report Date: 07/19/19

SAMPLE RESULTS

Lab ID: L1930632-04
Client ID: HSB-19-6
Sample Location: SALEM, NH

Date Collected: 07/11/19 11:40
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.6		%	0.100	NA	1	-	07/13/19 03:04	121,2540G	YA

Project Name: FORMER WWTP
Project Number: Not Specified

Lab Number: L1930632
Report Date: 07/19/19

SAMPLE RESULTS

Lab ID: L1930632-05
Client ID: HSB-19-1
Sample Location: SALEM, NH

Date Collected: 07/11/19 12:50
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.6		%	0.100	NA	1	-	07/13/19 03:04	121,2540G	YA

Project Name: FORMER WWTP
Project Number: Not Specified

Lab Number: L1930632
Report Date: 07/19/19

SAMPLE RESULTS

Lab ID: L1930632-06
Client ID: HSB-19-2
Sample Location: SALEM, NH

Date Collected: 07/11/19 13:40
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.2		%	0.100	NA	1	-	07/13/19 03:04	121,2540G	YA

Project Name: FORMER WWTP
Project Number: Not Specified

Lab Number: L1930632
Report Date: 07/19/19

SAMPLE RESULTS

Lab ID: L1930632-07
Client ID: HSB-19-3
Sample Location: SALEM, NH

Date Collected: 07/11/19 14:20
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.6		%	0.100	NA	1	-	07/13/19 03:04	121,2540G	YA

Project Name: FORMER WWTP
Project Number: Not Specified

Lab Number: L1930632
Report Date: 07/19/19

SAMPLE RESULTS

Lab ID: L1930632-08
Client ID: HSB-19-4
Sample Location: SALEM, NH

Date Collected: 07/11/19 16:20
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.0		%	0.100	NA	1	-	07/13/19 03:04	121,2540G	YA

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER WWTP
Project Number: Not Specified

Lab Number: L1930632
Report Date: 07/19/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,03-08 QC Batch ID: WG1259375-1 QC Sample: L1930038-02 Client ID: DUP Sample						
Solids, Total	91.0	91.5	%	1		20

Project Name: FORMER WWTP
Project Number: Not Specified

Lab Number: L1930632
Report Date: 07/19/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1930632-01A	Vial MeOH preserved	A	NA		4.2	Y	Absent		8260HLW-NH(14)
L1930632-01B	Vial water preserved	A	NA		4.2	Y	Absent	12-JUL-19 16:38	8260HLW-NH(14)
L1930632-01C	Vial water preserved	A	NA		4.2	Y	Absent	12-JUL-19 16:38	8260HLW-NH(14)
L1930632-01D	Plastic 60ml unpreserved	A	NA		4.2	Y	Absent		TS(7)
L1930632-02A	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1930632-02B	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1930632-02C	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1930632-03A	Vial MeOH preserved	A	NA		4.2	Y	Absent		8260HLW-NH(14)
L1930632-03B	Vial water preserved	A	NA		4.2	Y	Absent	12-JUL-19 16:38	8260HLW-NH(14)
L1930632-03C	Vial water preserved	A	NA		4.2	Y	Absent	12-JUL-19 16:38	8260HLW-NH(14)
L1930632-03D	Plastic 60ml unpreserved	A	NA		4.2	Y	Absent		TS(7)
L1930632-04A	Vial MeOH preserved	A	NA		4.2	Y	Absent		8260HLW-NH(14)
L1930632-04B	Vial water preserved	A	NA		4.2	Y	Absent	12-JUL-19 16:38	8260HLW-NH(14)
L1930632-04C	Vial water preserved	A	NA		4.2	Y	Absent	12-JUL-19 16:38	8260HLW-NH(14)
L1930632-04D	Plastic 60ml unpreserved	A	NA		4.2	Y	Absent		TS(7)
L1930632-05A	Vial MeOH preserved	A	NA		4.2	Y	Absent		8260HLW-NH(14)
L1930632-05B	Vial water preserved	A	NA		4.2	Y	Absent	12-JUL-19 16:38	8260HLW-NH(14)
L1930632-05C	Vial water preserved	A	NA		4.2	Y	Absent	12-JUL-19 16:38	8260HLW-NH(14)
L1930632-05D	Plastic 60ml unpreserved	A	NA		4.2	Y	Absent		TS(7)
L1930632-06A	Vial MeOH preserved	A	NA		4.2	Y	Absent		8260HLW-NH(14)
L1930632-06B	Vial water preserved	A	NA		4.2	Y	Absent	12-JUL-19 16:38	8260HLW-NH(14)
L1930632-06C	Vial water preserved	A	NA		4.2	Y	Absent	12-JUL-19 16:38	8260HLW-NH(14)
L1930632-06D	Plastic 60ml unpreserved	A	NA		4.2	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: FORMER WWTP
Project Number: Not Specified

Lab Number: L1930632
Report Date: 07/19/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1930632-07A	Vial MeOH preserved	A	NA		4.2	Y	Absent		8260HLW-NH(14)
L1930632-07B	Vial water preserved	A	NA		4.2	Y	Absent	12-JUL-19 16:38	8260HLW-NH(14)
L1930632-07C	Vial water preserved	A	NA		4.2	Y	Absent	12-JUL-19 16:38	8260HLW-NH(14)
L1930632-07D	Plastic 60ml unpreserved	A	NA		4.2	Y	Absent		TS(7)
L1930632-08A	Vial MeOH preserved	A	NA		4.2	Y	Absent		8260HLW-NH(14)
L1930632-08B	Vial water preserved	A	NA		4.2	Y	Absent	12-JUL-19 16:38	8260HLW-NH(14)
L1930632-08C	Vial water preserved	A	NA		4.2	Y	Absent	12-JUL-19 16:38	8260HLW-NH(14)
L1930632-08D	Plastic 60ml unpreserved	A	NA		4.2	Y	Absent		TS(7)
L1930632-09A	Vial MeOH preserved	A	NA		4.2	Y	Absent		8260HLW-NH(14)
L1930632-09B	Vial water preserved	A	NA		4.2	Y	Absent	12-JUL-19 16:38	8260HLW-NH(14)
L1930632-10A	Vial HCl preserved	A	NA		4.2	Y	Absent		HOLD-8260(14)
L1930632-10B	Vial HCl preserved	A	NA		4.2	Y	Absent		HOLD-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	FORMER WWTP	**Lab Number:**	L1930632
Project Number:	Not Specified	**Report Date:**	07/19/19

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: Data Usability Report

Project Name:	FORMER WWTP	**Lab Number:**	L1930632
Project Number:	Not Specified	**Report Date:**	07/19/19

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: Data Usability Report

Project Name:	FORMER WWTP	**Lab Number:**	L1930632
Project Number:	Not Specified	**Report Date:**	07/19/19

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

EPA 6860: SCM: Perchlorate

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 7/12/19

ALPHA Job #: L1930632

Client Information

Client: WOODARD & CURRAN
Address: 90 SHATTUCK RD SUITE 110
ANDOVER MA 01810
Phone:
Fax:
Email: Sdney@woodardcurran.com

Project Information

Project Name: FORMER WWTP
Project Location: SALEM NH
Project #:
Project Manager: SAM drey
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

☐ These samples have been Previously analyzed by Alpha

Due Date: Time:

Report Information — Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program Criteria

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☐ Yes	☐ No	Are MCP Analytical Methods Required?
☐ Yes	☐ No	Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes	☐ No	Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:
(If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed. (Note: All CAM methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done ☐ Not Needed ☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC Soil NHDES Full List	VOC Water NHDES Full List	Sample Specific Comments	TOTAL # BOTTLES
30632-01	HSB-19-5	7/11/19	915	SOIL	RM	☒	☐		9
02	EQUIPMENT BLANK	7/11/19	930	WATER	RM	☐	☒		3
03	HSB-19-7	7/11/19	1018	SOIL	RM	☒	☐		4
04	HSB-19-6	7/11/19	1140	SOIL	RM	☒	☐		4
05	HSB-19-1		1250	SOIL	RM	☒	☐		4
06	HSB-19-2		1340	SOIL	RM	☒	☐		4
07	HSB-19-3		1420	SOIL	RM	☒	☐		4
08	HSB-19-4		1620	SOIL	RM	☒	☐		4
09	TRIP BLANK					☒	☐		3
						☐	☐		

Container Type	V	-	-	-	-	-	-	-	-	-	-	-
Preservative	A	-	-	-	-	-	-	-	-	-	-	-

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
	7/12/19	AAL	7/12/19 1210
	7/12/19 1320		

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

ANALYTICAL REPORT

Lab Number:	L1930716
Client:	Woodard & Curran 40 Shattuck Road Suite 110 Andover, MA 01810
ATTN:	Jarrod Yoder
Phone:	(978) 557-8150
Project Name:	SALEM FORMER WWTF
Project Number:	231841
Report Date:	07/22/19

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: SALEM FORMER WWTF
Project Number: 231841

Lab Number: L1930716
Report Date: 07/22/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1930716-01	SB19-15 (10-11)	SOIL	SALEM, MA	07/11/19 10:40	07/12/19
L1930716-02	SB19-UST (16.5-18)	SOIL	SALEM, MA	07/11/19 09:45	07/12/19
L1930716-03	SB19-UST (22-24)	SOIL	SALEM, MA	07/11/19 09:50	07/12/19
L1930716-04	SB19-UST (22-24) DUP	SOIL	SALEM, MA	07/11/19 09:50	07/12/19
L1930716-05	SB19-16 (15-16.5)	SOIL	SALEM, MA	07/11/19 11:40	07/12/19
L1930716-06	SB19-17 (15-15.5)	SOIL	SALEM, MA	07/11/19 11:50	07/12/19
L1930716-07	SB19-18 (10-11.5)	SOIL	SALEM, MA	07/11/19 12:15	07/12/19
L1930716-08	SB19-19 (17-19)	SOIL	SALEM, MA	07/11/19 13:30	07/12/19
L1930716-09	TRIP BLANK	WATER	SALEM, MA	07/03/19 08:38	07/12/19

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1930716
Project Number:	231841	**Report Date:**	07/22/19

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1930716
Project Number:	231841	**Report Date:**	07/22/19

Case Narrative (continued)

Volatile Organics

L1930716-09: The Trip Blank has a result for acetone present above the reporting limit. The sample was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential for carry over.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cristin Walker

Title: Technical Director/Representative Date: 07/22/19

ORGANICS

VOLATILES

Project Name: SALEM FORMER WWTF **Lab Number:** L1930716

Project Number: 231841 **Report Date:** 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-01
Client ID: SB19-15 (10-11)
Sample Location: SALEM, MA

Date Collected: 07/11/19 10:40
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/17/19 18:58
Analyst: NLK
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.4	--	1
1,1-Dichloroethane	ND		ug/kg	0.67	--	1
Chloroform	ND		ug/kg	1.0	--	1
Carbon tetrachloride	ND		ug/kg	0.67	--	1
1,2-Dichloropropane	ND		ug/kg	0.67	--	1
Dibromochloromethane	ND		ug/kg	0.67	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.67	--	1
Tetrachloroethene	ND		ug/kg	0.34	--	1
Chlorobenzene	ND		ug/kg	0.34	--	1
Trichlorofluoromethane	ND		ug/kg	2.7	--	1
1,2-Dichloroethane	ND		ug/kg	0.67	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.34	--	1
Bromodichloromethane	ND		ug/kg	0.34	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.67	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.34	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.34	--	1
1,1-Dichloropropene	ND		ug/kg	0.34	--	1
Bromoform	ND		ug/kg	2.7	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.34	--	1
Benzene	ND		ug/kg	0.34	--	1
Toluene	ND		ug/kg	0.67	--	1
Ethylbenzene	ND		ug/kg	0.67	--	1
Chloromethane	ND		ug/kg	2.7	--	1
Bromomethane	ND		ug/kg	1.3	--	1
Vinyl chloride	ND		ug/kg	0.67	--	1
Chloroethane	ND		ug/kg	1.3	--	1
1,1-Dichloroethene	ND		ug/kg	0.67	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.0	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1930716

Project Number: 231841 **Report Date:** 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-01 Date Collected: 07/11/19 10:40

Client ID: SB19-15 (10-11) Date Received: 07/12/19

Sample Location: SALEM, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.34	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.3	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.3	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.3	--	1
Methyl tert butyl ether	ND		ug/kg	1.3	--	1
p/m-Xylene	ND		ug/kg	1.3	--	1
o-Xylene	ND		ug/kg	0.67	--	1
Xylenes, Total	ND		ug/kg	0.67	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.67	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.67	--	1
Dibromomethane	ND		ug/kg	1.3	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.3	--	1
Styrene	ND		ug/kg	0.67	--	1
Dichlorodifluoromethane	ND		ug/kg	6.7	--	1
Acetone	ND		ug/kg	6.7	--	1
Carbon disulfide	ND		ug/kg	6.7	--	1
2-Butanone	ND		ug/kg	6.7	--	1
4-Methyl-2-pentanone	ND		ug/kg	6.7	--	1
2-Hexanone	ND		ug/kg	6.7	--	1
Bromochloromethane	ND		ug/kg	1.3	--	1
Tetrahydrofuran	ND		ug/kg	2.7	--	1
2,2-Dichloropropane	ND		ug/kg	1.3	--	1
1,2-Dibromoethane	ND		ug/kg	0.67	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.34	--	1
Bromobenzene	ND		ug/kg	1.3	--	1
n-Butylbenzene	ND		ug/kg	0.67	--	1
sec-Butylbenzene	ND		ug/kg	0.67	--	1
tert-Butylbenzene	ND		ug/kg	1.3	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.3	--	1
o-Chlorotoluene	ND		ug/kg	1.3	--	1
p-Chlorotoluene	ND		ug/kg	1.3	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.0	--	1
Hexachlorobutadiene	ND		ug/kg	2.7	--	1
Isopropylbenzene	ND		ug/kg	0.67	--	1
p-Isopropyltoluene	ND		ug/kg	0.67	--	1
Naphthalene	ND		ug/kg	2.7	--	1
n-Propylbenzene	ND		ug/kg	0.67	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1930716

Project Number: 231841 **Report Date:** 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-01 Date Collected: 07/11/19 10:40

Client ID: SB19-15 (10-11) Date Received: 07/12/19

Sample Location: SALEM, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.3	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.3	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.3	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.3	--	1
Ethyl ether	ND		ug/kg	1.3	--	1
Isopropyl Ether	ND		ug/kg	1.3	--	1
Tert-Butyl Alcohol	ND		ug/kg	13	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.3	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.3	--	1
1,4-Dioxane	ND		ug/kg	54	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	107		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1930716

Project Number: 231841 **Report Date:** 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-02 Date Collected: 07/11/19 09:45

Client ID: SB19-UST (16.5-18) Date Received: 07/12/19

Sample Location: SALEM, MA Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 07/17/19 19:26

Analyst: NLK

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.5	--	1
1,1-Dichloroethane	ND		ug/kg	0.71	--	1
Chloroform	ND		ug/kg	1.0	--	1
Carbon tetrachloride	ND		ug/kg	0.71	--	1
1,2-Dichloropropane	ND		ug/kg	0.71	--	1
Dibromochloromethane	ND		ug/kg	0.71	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.71	--	1
Tetrachloroethene	ND		ug/kg	0.35	--	1
Chlorobenzene	ND		ug/kg	0.35	--	1
Trichlorofluoromethane	ND		ug/kg	2.8	--	1
1,2-Dichloroethane	ND		ug/kg	0.71	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.35	--	1
Bromodichloromethane	ND		ug/kg	0.35	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.71	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.35	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.35	--	1
1,1-Dichloropropene	ND		ug/kg	0.35	--	1
Bromoform	ND		ug/kg	2.8	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.35	--	1
Benzene	ND		ug/kg	0.35	--	1
Toluene	ND		ug/kg	0.71	--	1
Ethylbenzene	ND		ug/kg	0.71	--	1
Chloromethane	ND		ug/kg	2.8	--	1
Bromomethane	ND		ug/kg	1.4	--	1
Vinyl chloride	ND		ug/kg	0.71	--	1
Chloroethane	ND		ug/kg	1.4	--	1
1,1-Dichloroethene	ND		ug/kg	0.71	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.0	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1930716

Project Number: 231841 **Report Date:** 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-02 Date Collected: 07/11/19 09:45

Client ID: SB19-UST (16.5-18) Date Received: 07/12/19

Sample Location: SALEM, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.35	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.4	--	1
Methyl tert butyl ether	ND		ug/kg	1.4	--	1
p/m-Xylene	ND		ug/kg	1.4	--	1
o-Xylene	ND		ug/kg	0.71	--	1
Xylenes, Total	ND		ug/kg	0.71	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.71	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.71	--	1
Dibromomethane	ND		ug/kg	1.4	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.4	--	1
Styrene	ND		ug/kg	0.71	--	1
Dichlorodifluoromethane	ND		ug/kg	7.1	--	1
Acetone	7.1		ug/kg	7.1	--	1
Carbon disulfide	ND		ug/kg	7.1	--	1
2-Butanone	ND		ug/kg	7.1	--	1
4-Methyl-2-pentanone	ND		ug/kg	7.1	--	1
2-Hexanone	ND		ug/kg	7.1	--	1
Bromochloromethane	ND		ug/kg	1.4	--	1
Tetrahydrofuran	ND		ug/kg	2.8	--	1
2,2-Dichloropropane	ND		ug/kg	1.4	--	1
1,2-Dibromoethane	ND		ug/kg	0.71	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.35	--	1
Bromobenzene	ND		ug/kg	1.4	--	1
n-Butylbenzene	ND		ug/kg	0.71	--	1
sec-Butylbenzene	ND		ug/kg	0.71	--	1
tert-Butylbenzene	ND		ug/kg	1.4	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.4	--	1
o-Chlorotoluene	ND		ug/kg	1.4	--	1
p-Chlorotoluene	ND		ug/kg	1.4	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.1	--	1
Hexachlorobutadiene	ND		ug/kg	2.8	--	1
Isopropylbenzene	ND		ug/kg	0.71	--	1
p-Isopropyltoluene	ND		ug/kg	0.71	--	1
Naphthalene	ND		ug/kg	2.8	--	1
n-Propylbenzene	ND		ug/kg	0.71	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1930716

Project Number: 231841 **Report Date:** 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-02 Date Collected: 07/11/19 09:45

Client ID: SB19-UST (16.5-18) Date Received: 07/12/19

Sample Location: SALEM, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.4	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.4	--	1
Ethyl ether	ND		ug/kg	1.4	--	1
Isopropyl Ether	ND		ug/kg	1.4	--	1
Tert-Butyl Alcohol	ND		ug/kg	14	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.4	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.4	--	1
1,4-Dioxane	ND		ug/kg	56	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	109		70-130

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1930716
Report Date: 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-03
Client ID: SB19-UST (22-24)
Sample Location: SALEM, MA

Date Collected: 07/11/19 09:50
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/17/19 19:54
Analyst: NLK
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.8	--	1
1,1-Dichloroethane	ND		ug/kg	0.76	--	1
Chloroform	ND		ug/kg	1.1	--	1
Carbon tetrachloride	ND		ug/kg	0.76	--	1
1,2-Dichloropropane	ND		ug/kg	0.76	--	1
Dibromochloromethane	ND		ug/kg	0.76	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.76	--	1
Tetrachloroethene	ND		ug/kg	0.38	--	1
Chlorobenzene	ND		ug/kg	0.38	--	1
Trichlorofluoromethane	ND		ug/kg	3.1	--	1
1,2-Dichloroethane	ND		ug/kg	0.76	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.38	--	1
Bromodichloromethane	ND		ug/kg	0.38	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.76	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.38	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.38	--	1
1,1-Dichloropropene	ND		ug/kg	0.38	--	1
Bromoform	ND		ug/kg	3.1	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.38	--	1
Benzene	ND		ug/kg	0.38	--	1
Toluene	ND		ug/kg	0.76	--	1
Ethylbenzene	ND		ug/kg	0.76	--	1
Chloromethane	ND		ug/kg	3.1	--	1
Bromomethane	ND		ug/kg	1.5	--	1
Vinyl chloride	ND		ug/kg	0.76	--	1
Chloroethane	ND		ug/kg	1.5	--	1
1,1-Dichloroethene	ND		ug/kg	0.76	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.1	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1930716

Project Number: 231841 **Report Date:** 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-03 Date Collected: 07/11/19 09:50

Client ID: SB19-UST (22-24) Date Received: 07/12/19

Sample Location: SALEM, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.38	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.5	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.5	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.5	--	1
Methyl tert butyl ether	ND		ug/kg	1.5	--	1
p/m-Xylene	ND		ug/kg	1.5	--	1
o-Xylene	ND		ug/kg	0.76	--	1
Xylenes, Total	ND		ug/kg	0.76	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.76	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.76	--	1
Dibromomethane	ND		ug/kg	1.5	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.5	--	1
Styrene	ND		ug/kg	0.76	--	1
Dichlorodifluoromethane	ND		ug/kg	7.6	--	1
Acetone	19		ug/kg	7.6	--	1
Carbon disulfide	ND		ug/kg	7.6	--	1
2-Butanone	ND		ug/kg	7.6	--	1
4-Methyl-2-pentanone	ND		ug/kg	7.6	--	1
2-Hexanone	ND		ug/kg	7.6	--	1
Bromochloromethane	ND		ug/kg	1.5	--	1
Tetrahydrofuran	ND		ug/kg	3.1	--	1
2,2-Dichloropropane	ND		ug/kg	1.5	--	1
1,2-Dibromoethane	ND		ug/kg	0.76	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.38	--	1
Bromobenzene	ND		ug/kg	1.5	--	1
n-Butylbenzene	ND		ug/kg	0.76	--	1
sec-Butylbenzene	ND		ug/kg	0.76	--	1
tert-Butylbenzene	ND		ug/kg	1.5	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.5	--	1
o-Chlorotoluene	ND		ug/kg	1.5	--	1
p-Chlorotoluene	ND		ug/kg	1.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.3	--	1
Hexachlorobutadiene	ND		ug/kg	3.1	--	1
Isopropylbenzene	ND		ug/kg	0.76	--	1
p-Isopropyltoluene	ND		ug/kg	0.76	--	1
Naphthalene	ND		ug/kg	3.1	--	1
n-Propylbenzene	ND		ug/kg	0.76	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1930716

Project Number: 231841 **Report Date:** 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-03 Date Collected: 07/11/19 09:50

Client ID: SB19-UST (22-24) Date Received: 07/12/19

Sample Location: SALEM, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.5	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.5	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.5	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.5	--	1
Ethyl ether	ND		ug/kg	1.5	--	1
Isopropyl Ether	ND		ug/kg	1.5	--	1
Tert-Butyl Alcohol	ND		ug/kg	15	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.5	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.5	--	1
1,4-Dioxane	ND		ug/kg	61	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	107		70-130

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1930716
Report Date: 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-04
Client ID: SB19-UST (22-24) DUP
Sample Location: SALEM, MA

Date Collected: 07/11/19 09:50
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/17/19 20:21
Analyst: NLK
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.6	--	1
1,1-Dichloroethane	ND		ug/kg	0.72	--	1
Chloroform	ND		ug/kg	1.1	--	1
Carbon tetrachloride	ND		ug/kg	0.72	--	1
1,2-Dichloropropane	ND		ug/kg	0.72	--	1
Dibromochloromethane	ND		ug/kg	0.72	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.72	--	1
Tetrachloroethene	ND		ug/kg	0.36	--	1
Chlorobenzene	ND		ug/kg	0.36	--	1
Trichlorofluoromethane	ND		ug/kg	2.9	--	1
1,2-Dichloroethane	ND		ug/kg	0.72	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.36	--	1
Bromodichloromethane	ND		ug/kg	0.36	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.72	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.36	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.36	--	1
1,1-Dichloropropene	ND		ug/kg	0.36	--	1
Bromoform	ND		ug/kg	2.9	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.36	--	1
Benzene	ND		ug/kg	0.36	--	1
Toluene	ND		ug/kg	0.72	--	1
Ethylbenzene	ND		ug/kg	0.72	--	1
Chloromethane	ND		ug/kg	2.9	--	1
Bromomethane	ND		ug/kg	1.4	--	1
Vinyl chloride	ND		ug/kg	0.72	--	1
Chloroethane	ND		ug/kg	1.4	--	1
1,1-Dichloroethene	ND		ug/kg	0.72	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.1	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1930716

Project Number: 231841 **Report Date:** 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-04 Date Collected: 07/11/19 09:50

Client ID: SB19-UST (22-24) DUP Date Received: 07/12/19

Sample Location: SALEM, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.36	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.4	--	1
Methyl tert butyl ether	ND		ug/kg	1.4	--	1
p/m-Xylene	ND		ug/kg	1.4	--	1
o-Xylene	ND		ug/kg	0.72	--	1
Xylenes, Total	ND		ug/kg	0.72	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.72	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.72	--	1
Dibromomethane	ND		ug/kg	1.4	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.4	--	1
Styrene	ND		ug/kg	0.72	--	1
Dichlorodifluoromethane	ND		ug/kg	7.2	--	1
Acetone	17		ug/kg	7.2	--	1
Carbon disulfide	ND		ug/kg	7.2	--	1
2-Butanone	ND		ug/kg	7.2	--	1
4-Methyl-2-pentanone	ND		ug/kg	7.2	--	1
2-Hexanone	ND		ug/kg	7.2	--	1
Bromochloromethane	ND		ug/kg	1.4	--	1
Tetrahydrofuran	ND		ug/kg	2.9	--	1
2,2-Dichloropropane	ND		ug/kg	1.4	--	1
1,2-Dibromoethane	ND		ug/kg	0.72	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.36	--	1
Bromobenzene	ND		ug/kg	1.4	--	1
n-Butylbenzene	ND		ug/kg	0.72	--	1
sec-Butylbenzene	ND		ug/kg	0.72	--	1
tert-Butylbenzene	ND		ug/kg	1.4	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.4	--	1
o-Chlorotoluene	ND		ug/kg	1.4	--	1
p-Chlorotoluene	ND		ug/kg	1.4	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.2	--	1
Hexachlorobutadiene	ND		ug/kg	2.9	--	1
Isopropylbenzene	ND		ug/kg	0.72	--	1
p-Isopropyltoluene	ND		ug/kg	0.72	--	1
Naphthalene	ND		ug/kg	2.9	--	1
n-Propylbenzene	ND		ug/kg	0.72	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1930716

Project Number: 231841 **Report Date:** 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-04 Date Collected: 07/11/19 09:50

Client ID: SB19-UST (22-24) DUP Date Received: 07/12/19

Sample Location: SALEM, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.4	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.4	--	1
Ethyl ether	ND		ug/kg	1.4	--	1
Isopropyl Ether	ND		ug/kg	1.4	--	1
Tert-Butyl Alcohol	ND		ug/kg	14	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.4	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.4	--	1
1,4-Dioxane	ND		ug/kg	58	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	104		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1930716

Project Number: 231841 **Report Date:** 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-05
Client ID: SB19-16 (15-16.5)
Sample Location: SALEM, MA

Date Collected: 07/11/19 11:40
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/17/19 20:49
Analyst: NLK
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.4	--	1
1,1-Dichloroethane	ND		ug/kg	0.68	--	1
Chloroform	ND		ug/kg	1.0	--	1
Carbon tetrachloride	ND		ug/kg	0.68	--	1
1,2-Dichloropropane	ND		ug/kg	0.68	--	1
Dibromochloromethane	ND		ug/kg	0.68	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.68	--	1
Tetrachloroethene	ND		ug/kg	0.34	--	1
Chlorobenzene	ND		ug/kg	0.34	--	1
Trichlorofluoromethane	ND		ug/kg	2.7	--	1
1,2-Dichloroethane	ND		ug/kg	0.68	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.34	--	1
Bromodichloromethane	ND		ug/kg	0.34	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.68	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.34	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.34	--	1
1,1-Dichloropropene	ND		ug/kg	0.34	--	1
Bromoform	ND		ug/kg	2.7	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.34	--	1
Benzene	ND		ug/kg	0.34	--	1
Toluene	ND		ug/kg	0.68	--	1
Ethylbenzene	ND		ug/kg	0.68	--	1
Chloromethane	ND		ug/kg	2.7	--	1
Bromomethane	ND		ug/kg	1.4	--	1
Vinyl chloride	ND		ug/kg	0.68	--	1
Chloroethane	ND		ug/kg	1.4	--	1
1,1-Dichloroethene	ND		ug/kg	0.68	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.0	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1930716

Project Number: 231841 **Report Date:** 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-05 Date Collected: 07/11/19 11:40

Client ID: SB19-16 (15-16.5) Date Received: 07/12/19

Sample Location: SALEM, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.34	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.4	--	1
Methyl tert butyl ether	ND		ug/kg	1.4	--	1
p/m-Xylene	ND		ug/kg	1.4	--	1
o-Xylene	ND		ug/kg	0.68	--	1
Xylenes, Total	ND		ug/kg	0.68	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.68	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.68	--	1
Dibromomethane	ND		ug/kg	1.4	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.4	--	1
Styrene	ND		ug/kg	0.68	--	1
Dichlorodifluoromethane	ND		ug/kg	6.8	--	1
Acetone	32		ug/kg	6.8	--	1
Carbon disulfide	ND		ug/kg	6.8	--	1
2-Butanone	ND		ug/kg	6.8	--	1
4-Methyl-2-pentanone	ND		ug/kg	6.8	--	1
2-Hexanone	ND		ug/kg	6.8	--	1
Bromochloromethane	ND		ug/kg	1.4	--	1
Tetrahydrofuran	ND		ug/kg	2.7	--	1
2,2-Dichloropropane	ND		ug/kg	1.4	--	1
1,2-Dibromoethane	ND		ug/kg	0.68	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.34	--	1
Bromobenzene	ND		ug/kg	1.4	--	1
n-Butylbenzene	ND		ug/kg	0.68	--	1
sec-Butylbenzene	ND		ug/kg	0.68	--	1
tert-Butylbenzene	ND		ug/kg	1.4	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.4	--	1
o-Chlorotoluene	ND		ug/kg	1.4	--	1
p-Chlorotoluene	ND		ug/kg	1.4	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.0	--	1
Hexachlorobutadiene	ND		ug/kg	2.7	--	1
Isopropylbenzene	ND		ug/kg	0.68	--	1
p-Isopropyltoluene	ND		ug/kg	0.68	--	1
Naphthalene	ND		ug/kg	2.7	--	1
n-Propylbenzene	ND		ug/kg	0.68	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1930716

Project Number: 231841 **Report Date:** 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-05 Date Collected: 07/11/19 11:40

Client ID: SB19-16 (15-16.5) Date Received: 07/12/19

Sample Location: SALEM, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.4	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.4	--	1
Ethyl ether	ND		ug/kg	1.4	--	1
Isopropyl Ether	ND		ug/kg	1.4	--	1
Tert-Butyl Alcohol	ND		ug/kg	14	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.4	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.4	--	1
1,4-Dioxane	ND		ug/kg	54	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	110		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1930716

Project Number: 231841 **Report Date:** 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-06 Date Collected: 07/11/19 11:50
Client ID: SB19-17 (15-15.5) Date Received: 07/12/19
Sample Location: SALEM, MA Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/17/19 21:16
Analyst: NLK
Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.0	--	1
1,1-Dichloroethane	ND		ug/kg	0.60	--	1
Chloroform	ND		ug/kg	0.89	--	1
Carbon tetrachloride	ND		ug/kg	0.60	--	1
1,2-Dichloropropane	ND		ug/kg	0.60	--	1
Dibromochloromethane	ND		ug/kg	0.60	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.60	--	1
Tetrachloroethene	ND		ug/kg	0.30	--	1
Chlorobenzene	ND		ug/kg	0.30	--	1
Trichlorofluoromethane	ND		ug/kg	2.4	--	1
1,2-Dichloroethane	ND		ug/kg	0.60	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.30	--	1
Bromodichloromethane	ND		ug/kg	0.30	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.60	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.30	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.30	--	1
1,1-Dichloropropene	ND		ug/kg	0.30	--	1
Bromoform	ND		ug/kg	2.4	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.30	--	1
Benzene	ND		ug/kg	0.30	--	1
Toluene	ND		ug/kg	0.60	--	1
Ethylbenzene	ND		ug/kg	0.60	--	1
Chloromethane	ND		ug/kg	2.4	--	1
Bromomethane	ND		ug/kg	1.2	--	1
Vinyl chloride	ND		ug/kg	0.60	--	1
Chloroethane	ND		ug/kg	1.2	--	1
1,1-Dichloroethene	ND		ug/kg	0.60	--	1
trans-1,2-Dichloroethene	ND		ug/kg	0.89	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1930716

Project Number: 231841 **Report Date:** 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-06 Date Collected: 07/11/19 11:50

Client ID: SB19-17 (15-15.5) Date Received: 07/12/19

Sample Location: SALEM, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.30	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.2	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.2	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.2	--	1
Methyl tert butyl ether	ND		ug/kg	1.2	--	1
p/m-Xylene	ND		ug/kg	1.2	--	1
o-Xylene	ND		ug/kg	0.60	--	1
Xylenes, Total	ND		ug/kg	0.60	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.60	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.60	--	1
Dibromomethane	ND		ug/kg	1.2	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.2	--	1
Styrene	ND		ug/kg	0.60	--	1
Dichlorodifluoromethane	ND		ug/kg	6.0	--	1
Acetone	14		ug/kg	6.0	--	1
Carbon disulfide	ND		ug/kg	6.0	--	1
2-Butanone	ND		ug/kg	6.0	--	1
4-Methyl-2-pentanone	ND		ug/kg	6.0	--	1
2-Hexanone	ND		ug/kg	6.0	--	1
Bromochloromethane	ND		ug/kg	1.2	--	1
Tetrahydrofuran	ND		ug/kg	2.4	--	1
2,2-Dichloropropane	ND		ug/kg	1.2	--	1
1,2-Dibromoethane	ND		ug/kg	0.60	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.30	--	1
Bromobenzene	ND		ug/kg	1.2	--	1
n-Butylbenzene	ND		ug/kg	0.60	--	1
sec-Butylbenzene	ND		ug/kg	0.60	--	1
tert-Butylbenzene	ND		ug/kg	1.2	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.2	--	1
o-Chlorotoluene	ND		ug/kg	1.2	--	1
p-Chlorotoluene	ND		ug/kg	1.2	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	1.8	--	1
Hexachlorobutadiene	ND		ug/kg	2.4	--	1
Isopropylbenzene	ND		ug/kg	0.60	--	1
p-Isopropyltoluene	ND		ug/kg	0.60	--	1
Naphthalene	ND		ug/kg	2.4	--	1
n-Propylbenzene	ND		ug/kg	0.60	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1930716

Project Number: 231841 **Report Date:** 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-06 Date Collected: 07/11/19 11:50

Client ID: SB19-17 (15-15.5) Date Received: 07/12/19

Sample Location: SALEM, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.2	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.2	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.2	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.2	--	1
Ethyl ether	ND		ug/kg	1.2	--	1
Isopropyl Ether	ND		ug/kg	1.2	--	1
Tert-Butyl Alcohol	ND		ug/kg	12	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.2	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.2	--	1
1,4-Dioxane	ND		ug/kg	48	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	109		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1930716

Project Number: 231841 **Report Date:** 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-07 Date Collected: 07/11/19 12:15
Client ID: SB19-18 (10-11.5) Date Received: 07/12/19
Sample Location: SALEM, MA Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/17/19 21:44
Analyst: NLK
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.5	--	1
1,1-Dichloroethane	ND		ug/kg	0.70	--	1
Chloroform	ND		ug/kg	1.0	--	1
Carbon tetrachloride	ND		ug/kg	0.70	--	1
1,2-Dichloropropane	ND		ug/kg	0.70	--	1
Dibromochloromethane	ND		ug/kg	0.70	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.70	--	1
Tetrachloroethene	ND		ug/kg	0.35	--	1
Chlorobenzene	ND		ug/kg	0.35	--	1
Trichlorofluoromethane	ND		ug/kg	2.8	--	1
1,2-Dichloroethane	ND		ug/kg	0.70	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.35	--	1
Bromodichloromethane	ND		ug/kg	0.35	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.70	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.35	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.35	--	1
1,1-Dichloropropene	ND		ug/kg	0.35	--	1
Bromoform	ND		ug/kg	2.8	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.35	--	1
Benzene	ND		ug/kg	0.35	--	1
Toluene	ND		ug/kg	0.70	--	1
Ethylbenzene	ND		ug/kg	0.70	--	1
Chloromethane	ND		ug/kg	2.8	--	1
Bromomethane	ND		ug/kg	1.4	--	1
Vinyl chloride	ND		ug/kg	0.70	--	1
Chloroethane	ND		ug/kg	1.4	--	1
1,1-Dichloroethene	ND		ug/kg	0.70	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.0	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1930716

Project Number: 231841 **Report Date:** 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-07 Date Collected: 07/11/19 12:15

Client ID: SB19-18 (10-11.5) Date Received: 07/12/19

Sample Location: SALEM, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.35	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.4	--	1
Methyl tert butyl ether	ND		ug/kg	1.4	--	1
p/m-Xylene	ND		ug/kg	1.4	--	1
o-Xylene	ND		ug/kg	0.70	--	1
Xylenes, Total	ND		ug/kg	0.70	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.70	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.70	--	1
Dibromomethane	ND		ug/kg	1.4	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.4	--	1
Styrene	ND		ug/kg	0.70	--	1
Dichlorodifluoromethane	ND		ug/kg	7.0	--	1
Acetone	ND		ug/kg	7.0	--	1
Carbon disulfide	ND		ug/kg	7.0	--	1
2-Butanone	ND		ug/kg	7.0	--	1
4-Methyl-2-pentanone	ND		ug/kg	7.0	--	1
2-Hexanone	ND		ug/kg	7.0	--	1
Bromochloromethane	ND		ug/kg	1.4	--	1
Tetrahydrofuran	ND		ug/kg	2.8	--	1
2,2-Dichloropropane	ND		ug/kg	1.4	--	1
1,2-Dibromoethane	ND		ug/kg	0.70	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.35	--	1
Bromobenzene	ND		ug/kg	1.4	--	1
n-Butylbenzene	ND		ug/kg	0.70	--	1
sec-Butylbenzene	ND		ug/kg	0.70	--	1
tert-Butylbenzene	ND		ug/kg	1.4	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.4	--	1
o-Chlorotoluene	ND		ug/kg	1.4	--	1
p-Chlorotoluene	ND		ug/kg	1.4	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.1	--	1
Hexachlorobutadiene	ND		ug/kg	2.8	--	1
Isopropylbenzene	ND		ug/kg	0.70	--	1
p-Isopropyltoluene	ND		ug/kg	0.70	--	1
Naphthalene	ND		ug/kg	2.8	--	1
n-Propylbenzene	ND		ug/kg	0.70	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1930716

Project Number: 231841 **Report Date:** 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-07 Date Collected: 07/11/19 12:15

Client ID: SB19-18 (10-11.5) Date Received: 07/12/19

Sample Location: SALEM, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.4	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.4	--	1
Ethyl ether	ND		ug/kg	1.4	--	1
Isopropyl Ether	ND		ug/kg	1.4	--	1
Tert-Butyl Alcohol	ND		ug/kg	14	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.4	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.4	--	1
1,4-Dioxane	ND		ug/kg	56	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	105		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1930716

Project Number: 231841 **Report Date:** 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-08 Date Collected: 07/11/19 13:30
Client ID: SB19-19 (17-19) Date Received: 07/12/19
Sample Location: SALEM, MA Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/17/19 22:11
Analyst: NLK
Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.4	--	1
1,1-Dichloroethane	ND		ug/kg	0.68	--	1
Chloroform	ND		ug/kg	1.0	--	1
Carbon tetrachloride	ND		ug/kg	0.68	--	1
1,2-Dichloropropane	ND		ug/kg	0.68	--	1
Dibromochloromethane	ND		ug/kg	0.68	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.68	--	1
Tetrachloroethene	ND		ug/kg	0.34	--	1
Chlorobenzene	ND		ug/kg	0.34	--	1
Trichlorofluoromethane	ND		ug/kg	2.7	--	1
1,2-Dichloroethane	ND		ug/kg	0.68	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.34	--	1
Bromodichloromethane	ND		ug/kg	0.34	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.68	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.34	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.34	--	1
1,1-Dichloropropene	ND		ug/kg	0.34	--	1
Bromoform	ND		ug/kg	2.7	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.34	--	1
Benzene	ND		ug/kg	0.34	--	1
Toluene	ND		ug/kg	0.68	--	1
Ethylbenzene	ND		ug/kg	0.68	--	1
Chloromethane	ND		ug/kg	2.7	--	1
Bromomethane	ND		ug/kg	1.4	--	1
Vinyl chloride	ND		ug/kg	0.68	--	1
Chloroethane	ND		ug/kg	1.4	--	1
1,1-Dichloroethene	ND		ug/kg	0.68	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.0	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1930716

Project Number: 231841 **Report Date:** 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-08 Date Collected: 07/11/19 13:30

Client ID: SB19-19 (17-19) Date Received: 07/12/19

Sample Location: SALEM, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.34	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.4	--	1
Methyl tert butyl ether	ND		ug/kg	1.4	--	1
p/m-Xylene	ND		ug/kg	1.4	--	1
o-Xylene	ND		ug/kg	0.68	--	1
Xylenes, Total	ND		ug/kg	0.68	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.68	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.68	--	1
Dibromomethane	ND		ug/kg	1.4	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.4	--	1
Styrene	ND		ug/kg	0.68	--	1
Dichlorodifluoromethane	ND		ug/kg	6.8	--	1
Acetone	28		ug/kg	6.8	--	1
Carbon disulfide	ND		ug/kg	6.8	--	1
2-Butanone	ND		ug/kg	6.8	--	1
4-Methyl-2-pentanone	ND		ug/kg	6.8	--	1
2-Hexanone	ND		ug/kg	6.8	--	1
Bromochloromethane	ND		ug/kg	1.4	--	1
Tetrahydrofuran	ND		ug/kg	2.7	--	1
2,2-Dichloropropane	ND		ug/kg	1.4	--	1
1,2-Dibromoethane	ND		ug/kg	0.68	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.34	--	1
Bromobenzene	ND		ug/kg	1.4	--	1
n-Butylbenzene	ND		ug/kg	0.68	--	1
sec-Butylbenzene	ND		ug/kg	0.68	--	1
tert-Butylbenzene	ND		ug/kg	1.4	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.4	--	1
o-Chlorotoluene	ND		ug/kg	1.4	--	1
p-Chlorotoluene	ND		ug/kg	1.4	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.0	--	1
Hexachlorobutadiene	ND		ug/kg	2.7	--	1
Isopropylbenzene	ND		ug/kg	0.68	--	1
p-Isopropyltoluene	ND		ug/kg	0.68	--	1
Naphthalene	ND		ug/kg	2.7	--	1
n-Propylbenzene	ND		ug/kg	0.68	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1930716

Project Number: 231841 **Report Date:** 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-08 Date Collected: 07/11/19 13:30

Client ID: SB19-19 (17-19) Date Received: 07/12/19

Sample Location: SALEM, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.4	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.4	--	1
Ethyl ether	ND		ug/kg	1.4	--	1
Isopropyl Ether	ND		ug/kg	1.4	--	1
Tert-Butyl Alcohol	ND		ug/kg	14	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.4	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.4	--	1
1,4-Dioxane	ND		ug/kg	54	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	108		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1930716

Project Number: 231841 **Report Date:** 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-09 Date Collected: 07/03/19 08:38
Client ID: TRIP BLANK Date Received: 07/12/19
Sample Location: SALEM, MA Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/16/19 12:25
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1930716

Project Number: 231841 **Report Date:** 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-09 Date Collected: 07/03/19 08:38

Client ID: TRIP BLANK Date Received: 07/12/19

Sample Location: SALEM, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethene, Total	ND		ug/l	0.50	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	8.2		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1930716

Project Number: 231841 **Report Date:** 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-09 Date Collected: 07/03/19 08:38

Client ID: TRIP BLANK Date Received: 07/12/19

Sample Location: SALEM, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,3,5-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
Isopropyl Ether	ND		ug/l	2.0	--	1
Tert-Butyl Alcohol	ND		ug/l	10	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	111		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1930716

Project Number: 231841 **Report Date:** 07/22/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/16/19 09:08
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG1260896-5					
Methylene chloride	ND		ug/l	3.0	--
1,1-Dichloroethane	ND		ug/l	0.75	--
Chloroform	ND		ug/l	0.75	--
Carbon tetrachloride	ND		ug/l	0.50	--
1,2-Dichloropropane	ND		ug/l	1.8	--
Dibromochloromethane	ND		ug/l	0.50	--
1,1,2-Trichloroethane	ND		ug/l	0.75	--
Tetrachloroethene	ND		ug/l	0.50	--
Chlorobenzene	ND		ug/l	0.50	--
Trichlorofluoromethane	ND		ug/l	2.5	--
1,2-Dichloroethane	ND		ug/l	0.50	--
1,1,1-Trichloroethane	ND		ug/l	0.50	--
Bromodichloromethane	ND		ug/l	0.50	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,3-Dichloropropene, Total	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.5	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	0.75	--
Ethylbenzene	ND		ug/l	0.50	--
Chloromethane	ND		ug/l	2.5	--
Bromomethane	ND		ug/l	1.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	1.0	--
1,1-Dichloroethene	ND		ug/l	0.50	--
trans-1,2-Dichloroethene	ND		ug/l	0.75	--
1,2-Dichloroethene, Total	ND		ug/l	0.50	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1930716

Project Number: 231841 **Report Date:** 07/22/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/16/19 09:08
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG1260896-5					
Trichloroethene	ND		ug/l	0.50	--
1,2-Dichlorobenzene	ND		ug/l	2.5	--
1,3-Dichlorobenzene	ND		ug/l	2.5	--
1,4-Dichlorobenzene	ND		ug/l	2.5	--
Methyl tert butyl ether	ND		ug/l	1.0	--
p/m-Xylene	ND		ug/l	1.0	--
o-Xylene	ND		ug/l	1.0	--
Xylenes, Total	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	0.50	--
Dibromomethane	ND		ug/l	5.0	--
1,2,3-Trichloropropane	ND		ug/l	5.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	5.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	5.0	--
2-Butanone	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.5	--
Tetrahydrofuran	ND		ug/l	5.0	--
2,2-Dichloropropane	ND		ug/l	2.5	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--
Bromobenzene	ND		ug/l	2.5	--
n-Butylbenzene	ND		ug/l	0.50	--
sec-Butylbenzene	ND		ug/l	0.50	--
tert-Butylbenzene	ND		ug/l	2.5	--
o-Chlorotoluene	ND		ug/l	2.5	--
p-Chlorotoluene	ND		ug/l	2.5	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1930716

Project Number: 231841 **Report Date:** 07/22/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/16/19 09:08
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG1260896-5					
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--
Hexachlorobutadiene	ND		ug/l	0.50	--
Isopropylbenzene	ND		ug/l	0.50	--
p-Isopropyltoluene	ND		ug/l	0.50	--
Naphthalene	ND		ug/l	2.5	--
n-Propylbenzene	ND		ug/l	0.50	--
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--
1,3,5-Trichlorobenzene	ND		ug/l	2.0	--
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--
Ethyl ether	ND		ug/l	2.5	--
Isopropyl Ether	ND		ug/l	2.0	--
Tert-Butyl Alcohol	ND		ug/l	10	--
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--
1,4-Dioxane	ND		ug/l	250	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	114		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1930716

Project Number: 231841 **Report Date:** 07/22/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/17/19 12:59
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-08 Batch: WG1261412-5					
Methylene chloride	ND		ug/kg	5.0	--
1,1-Dichloroethane	ND		ug/kg	1.0	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	1.0	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.0	--
Tetrachloroethene	ND		ug/kg	0.50	--
Chlorobenzene	ND		ug/kg	0.50	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	0.50	--
Bromodichloromethane	ND		ug/kg	0.50	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--
1,1-Dichloropropene	ND		ug/kg	0.50	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--
Benzene	ND		ug/kg	0.50	--
Toluene	ND		ug/kg	1.0	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	1.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	0.50	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1930716

Project Number: 231841 **Report Date:** 07/22/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/17/19 12:59
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-08 Batch: WG1261412-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	--
1,3-Dichlorobenzene	ND		ug/kg	2.0	--
1,4-Dichlorobenzene	ND		ug/kg	2.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	1.0	--
Xylenes, Total	ND		ug/kg	1.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	2.0	--
1,2,3-Trichloropropane	ND		ug/kg	2.0	--
Styrene	ND		ug/kg	1.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	10	--
Carbon disulfide	ND		ug/kg	10	--
2-Butanone	ND		ug/kg	10	--
4-Methyl-2-pentanone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Bromochloromethane	ND		ug/kg	2.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	2.0	--
1,2-Dibromoethane	ND		ug/kg	1.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--
Bromobenzene	ND		ug/kg	2.0	--
n-Butylbenzene	ND		ug/kg	1.0	--
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	2.0	--
1,3,5-Trichlorobenzene	ND		ug/kg	2.0	--
o-Chlorotoluene	ND		ug/kg	2.0	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1930716

Project Number: 231841 **Report Date:** 07/22/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/17/19 12:59
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-08 Batch: WG1261412-5					
p-Chlorotoluene	ND		ug/kg	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--
Ethyl ether	ND		ug/kg	2.0	--
Isopropyl Ether	ND		ug/kg	2.0	--
Tert-Butyl Alcohol	ND		ug/kg	20	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--
1,4-Dioxane	ND		ug/kg	80	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	105		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1930716
Report Date: 07/22/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1260896-3 WG1260896-4								
Methylene chloride	110		100		70-130	10		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	99		100		70-130	1		20
Carbon tetrachloride	100		98		63-132	2		20
1,2-Dichloropropane	100		97		70-130	3		20
Dibromochloromethane	110		100		63-130	10		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	100		96		70-130	4		20
Chlorobenzene	110		100		75-130	10		25
Trichlorofluoromethane	120		110		62-150	9		20
1,2-Dichloroethane	97		98		70-130	1		20
1,1,1-Trichloroethane	110		100		67-130	10		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	96		92		70-130	4		20
cis-1,3-Dichloropropene	96		92		70-130	4		20
1,1-Dichloropropene	98		96		70-130	2		20
Bromoform	110		100		54-136	10		20
1,1,2,2-Tetrachloroethane	100		98		67-130	2		20
Benzene	100		100		70-130	0		25
Toluene	110		100		70-130	10		25
Ethylbenzene	100		97		70-130	3		20
Chloromethane	91		82		64-130	10		20
Bromomethane	**140**	Q	130		39-139	7		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 231841

Lab Number: L1930716
Report Date: 07/22/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1260896-3 WG1260896-4								
Vinyl chloride	98		98		55-140	0		20
Chloroethane	**170**	Q	**160**	Q	55-138	6		20
1,1-Dichloroethene	110		100		61-145	10		25
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	110		100		70-130	10		25
1,2-Dichlorobenzene	100		95		70-130	5		20
1,3-Dichlorobenzene	110		98		70-130	12		20
1,4-Dichlorobenzene	100		96		70-130	4		20
Methyl tert butyl ether	94		93		63-130	1		20
p/m-Xylene	105		100		70-130	5		20
o-Xylene	105		100		70-130	5		20
cis-1,2-Dichloroethene	110		100		70-130	10		20
Dibromomethane	110		100		70-130	10		20
1,2,3-Trichloropropane	98		92		64-130	6		20
Styrene	105		100		70-130	5		20
Dichlorodifluoromethane	92		84		36-147	9		20
Acetone	100		99		58-148	1		20
Carbon disulfide	110		100		51-130	10		20
2-Butanone	71		73		63-138	3		20
4-Methyl-2-pentanone	79		81		59-130	3		20
2-Hexanone	69		77		57-130	11		20
Bromochloromethane	110		100		70-130	10		20
Tetrahydrofuran	77		72		58-130	7		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 231841

Lab Number: L1930716

Report Date: 07/22/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1260896-3 WG1260896-4								
2,2-Dichloropropane	100		99		63-133	1		20
1,2-Dibromoethane	99		94		70-130	5		20
1,1,1,2-Tetrachloroethane	110		100		64-130	10		20
Bromobenzene	99		92		70-130	7		20
n-Butylbenzene	110		96		53-136	14		20
sec-Butylbenzene	100		94		70-130	6		20
tert-Butylbenzene	85		78		70-130	9		20
o-Chlorotoluene	100		94		70-130	6		20
p-Chlorotoluene	100		93		70-130	7		20
1,2-Dibromo-3-chloropropane	91		90		41-144	1		20
Hexachlorobutadiene	110		100		63-130	10		20
Isopropylbenzene	98		90		70-130	9		20
p-Isopropyltoluene	100		92		70-130	8		20
Naphthalene	74		74		70-130	0		20
n-Propylbenzene	100		97		69-130	3		20
1,2,3-Trichlorobenzene	90		88		70-130	2		20
1,2,4-Trichlorobenzene	94		88		70-130	7		20
1,3,5-Trimethylbenzene	100		92		64-130	8		20
1,3,5-Trichlorobenzene	110		98		70-130	12		20
1,2,4-Trimethylbenzene	100		92		70-130	8		20
Ethyl ether	96		110		59-134	14		20
Isopropyl Ether	81		86		70-130	6		20
Tert-Butyl Alcohol	108		114		70-130	5		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1930716
Report Date: 07/22/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1260896-3 WG1260896-4								
Ethyl-Tert-Butyl-Ether	86		88		70-130	2		20
Tertiary-Amyl Methyl Ether	86		84		66-130	2		20
1,4-Dioxane	148		158		56-162	7		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		100		70-130
Toluene-d8	107		103		70-130
4-Bromofluorobenzene	93		91		70-130
Dibromofluoromethane	106		106		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 231841

Lab Number: L1930716
Report Date: 07/22/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-08 Batch: WG1261412-3 WG1261412-4								
Methylene chloride	109		107		70-130	2		30
1,1-Dichloroethane	100		98		70-130	2		30
Chloroform	106		104		70-130	2		30
Carbon tetrachloride	80		81		70-130	1		30
1,2-Dichloropropane	100		100		70-130	0		30
Dibromochloromethane	100		99		70-130	1		30
1,1,2-Trichloroethane	109		109		70-130	0		30
Tetrachloroethene	95		94		70-130	1		30
Chlorobenzene	103		104		70-130	1		30
Trichlorofluoromethane	**150**	Q	**151**	Q	70-139	1		30
1,2-Dichloroethane	108		108		70-130	0		30
1,1,1-Trichloroethane	92		90		70-130	2		30
Bromodichloromethane	103		103		70-130	0		30
trans-1,3-Dichloropropene	99		101		70-130	2		30
cis-1,3-Dichloropropene	102		100		70-130	2		30
1,1-Dichloropropene	91		92		70-130	1		30
Bromoform	95		94		70-130	1		30
1,1,2,2-Tetrachloroethane	109		109		70-130	0		30
Benzene	100		99		70-130	1		30
Toluene	98		98		70-130	0		30
Ethylbenzene	100		102		70-130	2		30
Chloromethane	90		87		52-130	3		30
Bromomethane	**186**	Q	**169**	Q	57-147	10		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 231841

Lab Number: L1930716
Report Date: 07/22/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-08 Batch: WG1261412-3 WG1261412-4								
Vinyl chloride	129		129		67-130	0		30
Chloroethane	**203**	Q	**191**	Q	50-151	6		30
1,1-Dichloroethene	87		84		65-135	4		30
trans-1,2-Dichloroethene	96		97		70-130	1		30
Trichloroethene	99		100		70-130	1		30
1,2-Dichlorobenzene	106		105		70-130	1		30
1,3-Dichlorobenzene	105		103		70-130	2		30
1,4-Dichlorobenzene	105		104		70-130	1		30
Methyl tert butyl ether	94		95		66-130	1		30
p/m-Xylene	102		104		70-130	2		30
o-Xylene	104		105		70-130	1		30
cis-1,2-Dichloroethene	103		100		70-130	3		30
Dibromomethane	109		112		70-130	3		30
1,2,3-Trichloropropane	110		107		68-130	3		30
Styrene	107		108		70-130	1		30
Dichlorodifluoromethane	71		69		30-146	3		30
Acetone	115		110		54-140	4		30
Carbon disulfide	87		86		59-130	1		30
2-Butanone	107		99		70-130	8		30
4-Methyl-2-pentanone	100		104		70-130	4		30
2-Hexanone	92		96		70-130	4		30
Bromochloromethane	109		104		70-130	5		30
Tetrahydrofuran	86		87		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1930716
Report Date: 07/22/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-08 Batch: WG1261412-3 WG1261412-4								
2,2-Dichloropropane	89		88		70-130	1		30
1,2-Dibromoethane	108		109		70-130	1		30
1,1,1,2-Tetrachloroethane	100		103		70-130	3		30
Bromobenzene	101		102		70-130	1		30
n-Butylbenzene	106		105		70-130	1		30
sec-Butylbenzene	97		96		70-130	1		30
tert-Butylbenzene	95		95		70-130	0		30
1,3,5-Trichlorobenzene	110		111		70-139	1		30
o-Chlorotoluene	99		98		70-130	1		30
p-Chlorotoluene	100		101		70-130	1		30
1,2-Dibromo-3-chloropropane	100		103		68-130	3		30
Hexachlorobutadiene	88		88		67-130	0		30
Isopropylbenzene	96		94		70-130	2		30
p-Isopropyltoluene	99		98		70-130	1		30
Naphthalene	104		105		70-130	1		30
n-Propylbenzene	101		100		70-130	1		30
1,2,3-Trichlorobenzene	110		112		70-130	2		30
1,2,4-Trichlorobenzene	112		109		70-130	3		30
1,3,5-Trimethylbenzene	100		99		70-130	1		30
1,2,4-Trimethylbenzene	102		101		70-130	1		30
Ethyl ether	**206**	Q	**194**	Q	67-130	6		30
Isopropyl Ether	91		90		66-130	1		30
Tert-Butyl Alcohol	92		90		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1930716
Report Date: 07/22/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-08 Batch: WG1261412-3 WG1261412-4								
Ethyl-Tert-Butyl-Ether	93		92		70-130	1		30
Tertiary-Amyl Methyl Ether	95		94		70-130	1		30
1,4-Dioxane	98		99		65-136	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	105		105		70-130
Toluene-d8	101		100		70-130
4-Bromofluorobenzene	86		86		70-130
Dibromofluoromethane	107		106		70-130

PETROLEUM HYDROCARBONS

Project Name: SALEM FORMER WWTF
Lab Number: L1930716
Project Number: 231841
Report Date: 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-01
Client ID: SB19-15 (10-11)
Sample Location: SALEM, MA

Date Collected: 07/11/19 10:40
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 07/17/19 13:44
Analyst: MKS
Percent Solids: 88%

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	ND		ug/kg	5200	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	84		70-130
4-Bromofluorobenzene	87		70-130

Project Name: SALEM FORMER WWTF
Lab Number: L1930716
Project Number: 231841
Report Date: 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-01
Client ID: SB19-15 (10-11)
Sample Location: SALEM, MA

Date Collected: 07/11/19 10:40
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 07/20/19 10:19
Analyst: LL
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 07/19/19 04:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	ND		ug/kg	36500	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	61		40-140

Project Name: SALEM FORMER WWTF
Lab Number: L1930716
Project Number: 231841
Report Date: 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-02
Client ID: SB19-UST (16.5-18)
Sample Location: SALEM, MA

Date Collected: 07/11/19 09:45
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 07/17/19 14:24
Analyst: MKS
Percent Solids: 85%

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	ND		ug/kg	5400	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	84		70-130
4-Bromofluorobenzene	88		70-130

Project Name: SALEM FORMER WWTF
Lab Number: L1930716
Project Number: 231841
Report Date: 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-02
Client ID: SB19-UST (16.5-18)
Sample Location: SALEM, MA

Date Collected: 07/11/19 09:45
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 07/20/19 11:26
Analyst: LL
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 07/19/19 04:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	ND		ug/kg	38300	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	59		40-140

Project Name: SALEM FORMER WWTF
Lab Number: L1930716
Project Number: 231841
Report Date: 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-03
Client ID: SB19-UST (22-24)
Sample Location: SALEM, MA

Date Collected: 07/11/19 09:50
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 07/17/19 15:05
Analyst: MKS
Percent Solids: 84%

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	ND		ug/kg	5900	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	88		70-130
4-Bromofluorobenzene	93		70-130

Project Name: SALEM FORMER WWTF
Lab Number: L1930716
Project Number: 231841
Report Date: 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-03
Client ID: SB19-UST (22-24)
Sample Location: SALEM, MA

Date Collected: 07/11/19 09:50
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 07/20/19 11:59
Analyst: LL
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 07/19/19 04:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	ND		ug/kg	38800	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	79		40-140

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1930716
Report Date: 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-04
Client ID: SB19-UST (22-24) DUP
Sample Location: SALEM, MA

Date Collected: 07/11/19 09:50
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 07/17/19 15:46
Analyst: MKS
Percent Solids: 86%

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	ND		ug/kg	5900	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	90		70-130
4-Bromofluorobenzene	96		70-130

Project Name: SALEM FORMER WWTF
Lab Number: L1930716
Project Number: 231841
Report Date: 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-04
Client ID: SB19-UST (22-24) DUP
Sample Location: SALEM, MA

Date Collected: 07/11/19 09:50
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 07/20/19 12:33
Analyst: LL
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 07/19/19 04:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	ND		ug/kg	37900	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	70		40-140

Project Name: SALEM FORMER WWTF
Lab Number: L1930716
Project Number: 231841
Report Date: 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-05
Client ID: SB19-16 (15-16.5)
Sample Location: SALEM, MA

Date Collected: 07/11/19 11:40
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 07/17/19 16:27
Analyst: MKS
Percent Solids: 84%

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	ND		ug/kg	4800	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	89		70-130
4-Bromofluorobenzene	94		70-130

Project Name: SALEM FORMER WWTF
Lab Number: L1930716
Project Number: 231841
Report Date: 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-05
Client ID: SB19-16 (15-16.5)
Sample Location: SALEM, MA

Date Collected: 07/11/19 11:40
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 07/20/19 13:06
Analyst: LL
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 07/19/19 04:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	ND		ug/kg	39400	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	70		40-140

Project Name: SALEM FORMER WWTF
Lab Number: L1930716
Project Number: 231841
Report Date: 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-06
Client ID: SB19-17 (15-15.5)
Sample Location: SALEM, MA

Date Collected: 07/11/19 11:50
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 07/17/19 17:07
Analyst: MKS
Percent Solids: 82%

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	ND		ug/kg	5200	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	87		70-130
4-Bromofluorobenzene	93		70-130

Project Name: SALEM FORMER WWTF
Lab Number: L1930716
Project Number: 231841
Report Date: 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-06
Client ID: SB19-17 (15-15.5)
Sample Location: SALEM, MA

Date Collected: 07/11/19 11:50
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 07/20/19 13:40
Analyst: LL
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 07/19/19 04:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	ND		ug/kg	39300	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	70		40-140

Project Name: SALEM FORMER WWTF
Lab Number: L1930716
Project Number: 231841
Report Date: 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-07
Client ID: SB19-18 (10-11.5)
Sample Location: SALEM, MA

Date Collected: 07/11/19 12:15
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 07/17/19 17:48
Analyst: MKS
Percent Solids: 87%

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	ND		ug/kg	5600	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	90		70-130
4-Bromofluorobenzene	96		70-130

Project Name: SALEM FORMER WWTF
Lab Number: L1930716
Project Number: 231841
Report Date: 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-07
Client ID: SB19-18 (10-11.5)
Sample Location: SALEM, MA

Date Collected: 07/11/19 12:15
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 07/20/19 14:13
Analyst: LL
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 07/19/19 04:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	ND		ug/kg	36600	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	86		40-140

Project Name: SALEM FORMER WWTF
Lab Number: L1930716
Project Number: 231841
Report Date: 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-08
Client ID: SB19-19 (17-19)
Sample Location: SALEM, MA

Date Collected: 07/11/19 13:30
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 07/17/19 18:29
Analyst: MKS
Percent Solids: 82%

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	ND		ug/kg	5900	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	85		70-130
4-Bromofluorobenzene	90		70-130

Project Name: SALEM FORMER WWTF
Lab Number: L1930716
Project Number: 231841
Report Date: 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-08
Client ID: SB19-19 (17-19)
Sample Location: SALEM, MA

Date Collected: 07/11/19 13:30
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 07/20/19 14:47
Analyst: LL
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 07/19/19 04:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	ND		ug/kg	38800	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	78		40-140

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1930716
Report Date: 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-09
Client ID: TRIP BLANK
Sample Location: SALEM, MA

Date Collected: 07/03/19 08:38
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8015D(M)
Analytical Date: 07/17/19 23:34
Analyst: MKS

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	ND		ug/l	50	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	103		70-130
4-Bromofluorobenzene	106		70-130

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1930716
Report Date: 07/22/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015D(M)
Analytical Date: 07/17/19 09:18
Analyst: BAD

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 01-08 Batch: WG1261086-10					
Gasoline Range Organics	ND		ug/kg	2500	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	76		70-130
4-Bromofluorobenzene	81		70-130

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1930716
Report Date: 07/22/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015D(M)
Analytical Date: 07/17/19 20:10
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 09 Batch: WG1261379-4					
Gasoline Range Organics	ND		ug/l	50	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	95		70-130
4-Bromofluorobenzene	101		70-130

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1930716
Report Date: 07/22/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015D(M)
Analytical Date: 07/20/19 09:45
Analyst: LL

Extraction Method: EPA 3546
Extraction Date: 07/19/19 04:37

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01-08 Batch: WG1261887-1					
TPH	ND		ug/kg	32600	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	75		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 231841

Lab Number: L1930716

Report Date: 07/22/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab	Associated sample(s): 01-08		Batch: WG1261086-8 WG1261086-9					
Gasoline Range Organics	82		85		80-120	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	89		90		70-130
4-Bromofluorobenzene	94		98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 231841

Lab Number: L1930716

Report Date: 07/22/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab	Associated sample(s): 09		Batch: WG1261379-2 WG1261379-3					
Gasoline Range Organics	101		100		80-120	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	104		103		70-130
4-Bromofluorobenzene	110		109		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 231841

Lab Number: L1930716

Report Date: 07/22/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-08 Batch: WG1261887-2								
TPH	70		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	59				40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 231841

Lab Number: L1930716
Report Date: 07/22/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1261887-3 QC Sample: L1930716-01 Client ID: SB19-15 (10-11)						
TPH	ND	ND	ug/kg	NC		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	61		65		40-140

INORGANICS
&
MISCELLANEOUS

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1930716
Report Date: 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-01
Client ID: SB19-15 (10-11)
Sample Location: SALEM, MA
Sample Depth:
Matrix: Soil
Date Collected: 07/11/19 10:40
Date Received: 07/12/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.4		%	0.100	NA	1	-	07/13/19 05:42	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1930716
Report Date: 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-02
Client ID: SB19-UST (16.5-18)
Sample Location: SALEM, MA
Sample Depth:
Matrix: Soil

Date Collected: 07/11/19 09:45
Date Received: 07/12/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.8		%	0.100	NA	1	-	07/13/19 05:42	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1930716
Report Date: 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-03
Client ID: SB19-UST (22-24)
Sample Location: SALEM, MA
Sample Depth:
Matrix: Soil

Date Collected: 07/11/19 09:50
Date Received: 07/12/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.4		%	0.100	NA	1	-	07/13/19 05:42	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1930716
Report Date: 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-04
Client ID: SB19-UST (22-24) DUP
Sample Location: SALEM, MA
Sample Depth:
Matrix: Soil

Date Collected: 07/11/19 09:50
Date Received: 07/12/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.4		%	0.100	NA	1	-	07/13/19 05:42	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1930716
Report Date: 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-05
Client ID: SB19-16 (15-16.5)
Sample Location: SALEM, MA
Sample Depth:
Matrix: Soil

Date Collected: 07/11/19 11:40
Date Received: 07/12/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.2		%	0.100	NA	1	-	07/13/19 05:42	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1930716
Report Date: 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-06
Client ID: SB19-17 (15-15.5)
Sample Location: SALEM, MA
Sample Depth:
Matrix: Soil
Date Collected: 07/11/19 11:50
Date Received: 07/12/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.8		%	0.100	NA	1	-	07/13/19 05:42	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1930716
Report Date: 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-07
Client ID: SB19-18 (10-11.5)
Sample Location: SALEM, MA
Date Collected: 07/11/19 12:15
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.6		%	0.100	NA	1	-	07/13/19 05:42	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1930716
Report Date: 07/22/19

SAMPLE RESULTS

Lab ID: L1930716-08
Client ID: SB19-19 (17-19)
Sample Location: SALEM, MA
Sample Depth:
Matrix: Soil

Date Collected: 07/11/19 13:30
Date Received: 07/12/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.4		%	0.100	NA	1	-	07/13/19 05:42	121,2540G	YA

Lab Duplicate Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 231841

Lab Number: L1930716
Report Date: 07/22/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1259454-1 QC Sample: L1930716-03 Client ID: SB19-UST (22-24)						
Solids, Total	84.4	83.9	%	1		20

Project Name: SALEM FORMER WWTF
Project Number: 231841

Lab Number: L1930716
Report Date: 07/22/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1930716-01A	Vial MeOH preserved	A	NA		3.7	Y	Absent		8260HLW-NH(14)
L1930716-01A1	Vial MeOH preserved	A	NA		3.7	Y	Absent		TPH-GRO(14)
L1930716-01B	Vial water preserved	A	NA		3.7	Y	Absent	12-JUL-19 21:44	8260HLW-NH(14)
L1930716-01C	Vial water preserved	A	NA		3.7	Y	Absent	12-JUL-19 21:44	8260HLW-NH(14)
L1930716-01D	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		TS(7)
L1930716-01E	Glass 120ml/4oz unpreserved	A	NA		3.7	Y	Absent		TPH-DRO-D(14)
L1930716-02A	Vial MeOH preserved	A	NA		3.7	Y	Absent		8260HLW-NH(14)
L1930716-02A1	Vial MeOH preserved	A	NA		3.7	Y	Absent		TPH-GRO(14)
L1930716-02B	Vial water preserved	A	NA		3.7	Y	Absent	12-JUL-19 21:44	8260HLW-NH(14)
L1930716-02C	Vial water preserved	A	NA		3.7	Y	Absent	12-JUL-19 21:44	8260HLW-NH(14)
L1930716-02D	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		TS(7)
L1930716-02E	Glass 120ml/4oz unpreserved	A	NA		3.7	Y	Absent		TPH-DRO-D(14)
L1930716-03A	Vial MeOH preserved	A	NA		3.7	Y	Absent		8260HLW-NH(14)
L1930716-03A1	Vial MeOH preserved	A	NA		3.7	Y	Absent		TPH-GRO(14)
L1930716-03B	Vial water preserved	A	NA		3.7	Y	Absent	12-JUL-19 21:44	8260HLW-NH(14)
L1930716-03C	Vial water preserved	A	NA		3.7	Y	Absent	12-JUL-19 21:44	8260HLW-NH(14)
L1930716-03D	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		TS(7)
L1930716-03E	Glass 120ml/4oz unpreserved	A	NA		3.7	Y	Absent		TPH-DRO-D(14)
L1930716-04A	Vial MeOH preserved	A	NA		3.7	Y	Absent		8260HLW-NH(14)
L1930716-04A1	Vial MeOH preserved	A	NA		3.7	Y	Absent		TPH-GRO(14)
L1930716-04B	Vial water preserved	A	NA		3.7	Y	Absent	12-JUL-19 21:44	8260HLW-NH(14)
L1930716-04C	Vial water preserved	A	NA		3.7	Y	Absent	12-JUL-19 21:44	8260HLW-NH(14)
L1930716-04D	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: SALEM FORMER WWTF
Project Number: 231841

Lab Number: L1930716
Report Date: 07/22/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1930716-04E	Glass 120ml/4oz unpreserved	A	NA		3.7	Y	Absent		TPH-DRO-D(14)
L1930716-05A	Vial MeOH preserved	A	NA		3.7	Y	Absent		8260HLW-NH(14)
L1930716-05A1	Vial MeOH preserved	A	NA		3.7	Y	Absent		TPH-GRO(14)
L1930716-05B	Vial water preserved	A	NA		3.7	Y	Absent	12-JUL-19 21:44	8260HLW-NH(14)
L1930716-05C	Vial water preserved	A	NA		3.7	Y	Absent	12-JUL-19 21:44	8260HLW-NH(14)
L1930716-05D	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		TS(7)
L1930716-05E	Glass 120ml/4oz unpreserved	A	NA		3.7	Y	Absent		TPH-DRO-D(14)
L1930716-06A	Vial MeOH preserved	A	NA		3.7	Y	Absent		8260HLW-NH(14)
L1930716-06A1	Vial MeOH preserved	A	NA		3.7	Y	Absent		TPH-GRO(14)
L1930716-06B	Vial water preserved	A	NA		3.7	Y	Absent	12-JUL-19 21:44	8260HLW-NH(14)
L1930716-06C	Vial water preserved	A	NA		3.7	Y	Absent	12-JUL-19 21:44	8260HLW-NH(14)
L1930716-06D	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		TS(7)
L1930716-06E	Glass 120ml/4oz unpreserved	A	NA		3.7	Y	Absent		TPH-DRO-D(14)
L1930716-07A	Vial MeOH preserved	A	NA		3.7	Y	Absent		8260HLW-NH(14)
L1930716-07A1	Vial MeOH preserved	A	NA		3.7	Y	Absent		TPH-GRO(14)
L1930716-07B	Vial water preserved	A	NA		3.7	Y	Absent	12-JUL-19 21:44	8260HLW-NH(14)
L1930716-07C	Vial water preserved	A	NA		3.7	Y	Absent	12-JUL-19 21:44	8260HLW-NH(14)
L1930716-07D	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		TS(7)
L1930716-07E	Glass 120ml/4oz unpreserved	A	NA		3.7	Y	Absent		TPH-DRO-D(14)
L1930716-08A	Vial MeOH preserved	A	NA		3.7	Y	Absent		8260HLW-NH(14)
L1930716-08A1	Vial MeOH preserved	A	NA		3.7	Y	Absent		TPH-GRO(14)
L1930716-08B	Vial water preserved	A	NA		3.7	Y	Absent	12-JUL-19 21:44	8260HLW-NH(14)
L1930716-08C	Vial water preserved	A	NA		3.7	Y	Absent	12-JUL-19 21:44	8260HLW-NH(14)
L1930716-08D	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		TS(7)
L1930716-08E	Glass 120ml/4oz unpreserved	A	NA		3.7	Y	Absent		TPH-DRO-D(14)
L1930716-09A	Vial HCl preserved	A	NA		3.7	Y	Absent		TPH-GRO(14),8260-NH(14)
L1930716-09A1	Vial HCl preserved	A	NA		3.7	Y	Absent		TPH-GRO(14)

*Values in parentheses indicate holding time in days

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1930716
Project Number:	231841	**Report Date:**	07/22/19

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: Data Usability Report

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1930716
Project Number:	231841	**Report Date:**	07/22/19

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: Data Usability Report

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1930716
Project Number:	231841	**Report Date:**	07/22/19

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

EPA 6860: SCM: Perchlorate

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 7/12/19

ALPHA Job #: L1930716

ALPHA Analytical
8 Walkup Drive, Westboro, MA 01581, Tel: 508-898-9220
320 Forbes Blvd, Mansfield, MA 02048, Tel: 508-822-9300

Project Information

Project Name: Salem Former WWTF

Project Location: Salem, MA

Project #: 231841

Project Manager: Jarod Yoder

ALPHA Quote #:

Report Information - Data Deliverables

☒ ADEx ☒ EMAIL

Billing Information

☐ Same as Client info PO #:

Client Information

Client: Woodard & Curran

Address: 40 Shattuck Rd
Andover, MA

Phone: 978-482-7838

Email: sshipley@woodardcurran.com
kelichen@woodardcurran.com

Regulatory Requirements & Project Information Requirements

☐ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods
☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
☐ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)
☐ Yes ☐ No NPDES RGP
☐ Other State /Fed Program _____ Criteria _____

Additional Project Information:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	VOC: ☒ 8260 ☐ 624 ☐ 524.2	SVOC: ☐ ABN ☐ PAH	METALS: ☐ MCP 13 ☐ MCP 14 ☐ RCP 15	METALS: ☐ RCRA5 ☐ RCRA8 ☐ PP13	EPH: ☐ Ranges & Targets ☐ Ranges Only	VPH: ☐ Ranges & Targets ☐ Ranges Only	☐ PCB ☐ PEST	TPH: ☐ Quant Only ☐ Fingerprint	% Solids	TPH - DRO	TPH - GRO	Sample Comments	TOTAL # BOTTLES
30716-01	SB 19-15 (10-11)	7/11/19	10:40	Soil	ACS	X								X	X	X		6
-02	SB 19-UST (16.5-18)	7/11/19	09:45	Soil	ACS	X								X	X	X		6
-03	SB 19-UST (22-24)	7/11/19	09:50	Soil	ACS	X								X	X	X		6
-04	SB 19-UST (22-24) DUP	7/11/19	9:50	Soil	ACS	X								X	X	X		6
-05	SB 19-16 (15-16.5)	7/11/19	11:40	Soil	STO	X								X	X	X		6
-06	SB 19-17 (15-15.5)	7/11/19	11:50	Soil	STO	X								X	X	X		6
-07	SB 19-18 (10-11.5)	7/11/19	12:15	Soil	STO	X								X	X	X		6
-08	SB 19-19 (17-19)	7/11/19	13:30	Soil	STO	X								X	X	X		6
-09	Trip Blank	7/3/19	08:38	—	—	X										X		2
						Container Type	✓							P	A	V		
						Preservative	F,p							A	A	F		

SAMPLE INFO

Filtration
☐ Field
☐ Lab to do

Preservation
☐ Lab to do

Container Type
P= Plastic
A= Amber glass
V= Vial
G= Glass
B= Bacteria cup
C= Cube
O= Other
E= Encore
D= BOD Bottle

Preservative
A= None
B= HCl
C= HNO_3
D= H_2SO_4
E= NaOH
F= MeOH
G= $NaHSO_4$
H = $Na_2S_2O_3$
I= Ascorbic Acid
J = NH_4Cl
K= Zn Acetate
O= Other

Relinquished By:	Date/Time	Received By:	Date/Time
T. Hudellen VRC	7/12/19 1520	T. Hudellen AAL	7/12/19 1530
T. Hudellen	7/12/19 1640		7/12/19 1640

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)

ANALYTICAL REPORT

Lab Number:	L1930717
Client:	Woodard & Curran 40 Shattuck Road Suite 110 Andover, MA 01810
ATTN:	Jarrod Yoder
Phone:	(978) 557-8150
Project Name:	SALEM FORMER WWTF
Project Number:	0231841
Report Date:	07/31/19

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1930717
Report Date: 07/31/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1930717-01	SB19-10 (0-1.75)	SOIL	SALEM, NH	07/10/19 09:00	07/12/19
L1930717-02	SB19-10 (17.5-20)	SOIL	SALEM, NH	07/10/19 09:05	07/12/19
L1930717-03	SB19-11 (10-12.2)	SOIL	SALEM, NH	07/10/19 11:45	07/12/19
L1930717-04	SB19-11 (32-34)	SOIL	SALEM, NH	07/10/19 11:50	07/12/19
L1930717-05	SB19-12 (0-1.9)	SOIL	SALEM, NH	07/10/19 14:05	07/12/19
L1930717-06	SB19-12 (12.5-15)	SOIL	SALEM, NH	07/10/19 14:10	07/12/19
L1930717-07	SB19-12 (27.5-30)	SOIL	SALEM, NH	07/10/19 14:15	07/12/19
L1930717-08	SB19-13 (10-10.5)	SOIL	SALEM, NH	07/10/19 15:30	07/12/19
L1930717-09	TRIP BLANK	SOIL	SALEM, NH	07/03/19 08:38	07/12/19

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1930717
Project Number:	0231841	**Report Date:**	07/31/19

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1930717
Project Number:	0231841	**Report Date:**	07/31/19

Case Narrative (continued)

Report Submission

July 31, 2019: This final report includes the results of all requested analyses.

July 19, 2019: This is a preliminary report.

Volatile Organics

L1930717-04: The first low-level vial broken. A second low-level vial was analyzed, but yielded no internal standard recoveries. A high-level analysis was performed, and only those results are reported.

Total Organic Carbon

WG1261537: The required batch QC was prepared; however, the native sample required a different reporting method; therefore, the associated QC results could not be reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 07/31/19

ORGANICS

VOLATILES

Project Name: SALEM FORMER WWTF **Lab Number:** L1930717

Project Number: 0231841 **Report Date:** 07/31/19

SAMPLE RESULTS

Lab ID: L1930717-01
Client ID: SB19-10 (0-1.75)
Sample Location: SALEM, NH

Date Collected: 07/10/19 09:00
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/18/19 19:43
Analyst: MV
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.0	--	1
1,1-Dichloroethane	ND		ug/kg	0.79	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.79	--	1
1,2-Dichloropropane	ND		ug/kg	0.79	--	1
Dibromochloromethane	ND		ug/kg	0.79	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.79	--	1
Tetrachloroethene	ND		ug/kg	0.40	--	1
Chlorobenzene	ND		ug/kg	0.40	--	1
Trichlorofluoromethane	ND		ug/kg	3.2	--	1
1,2-Dichloroethane	ND		ug/kg	0.79	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.40	--	1
Bromodichloromethane	ND		ug/kg	0.40	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.79	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.40	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.40	--	1
1,1-Dichloropropene	ND		ug/kg	0.40	--	1
Bromoform	ND		ug/kg	3.2	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.40	--	1
Benzene	ND		ug/kg	0.40	--	1
Toluene	ND		ug/kg	0.79	--	1
Ethylbenzene	4.8		ug/kg	0.79	--	1
Chloromethane	ND		ug/kg	3.2	--	1
Bromomethane	ND		ug/kg	1.6	--	1
Vinyl chloride	ND		ug/kg	0.79	--	1
Chloroethane	ND		ug/kg	1.6	--	1
1,1-Dichloroethene	ND		ug/kg	0.79	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1930717

Project Number: 0231841 **Report Date:** 07/31/19

SAMPLE RESULTS

Lab ID: L1930717-01 Date Collected: 07/10/19 09:00

Client ID: SB19-10 (0-1.75) Date Received: 07/12/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.40	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.6	--	1
Methyl tert butyl ether	ND		ug/kg	1.6	--	1
p/m-Xylene	25		ug/kg	1.6	--	1
o-Xylene	12		ug/kg	0.79	--	1
Xylenes, Total	37		ug/kg	0.79	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.79	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.79	--	1
Dibromomethane	ND		ug/kg	1.6	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.6	--	1
Styrene	ND		ug/kg	0.79	--	1
Dichlorodifluoromethane	ND		ug/kg	7.9	--	1
Acetone	ND		ug/kg	7.9	--	1
Carbon disulfide	ND		ug/kg	7.9	--	1
2-Butanone	ND		ug/kg	7.9	--	1
4-Methyl-2-pentanone	ND		ug/kg	7.9	--	1
2-Hexanone	ND		ug/kg	7.9	--	1
Bromochloromethane	ND		ug/kg	1.6	--	1
Tetrahydrofuran	ND		ug/kg	3.2	--	1
2,2-Dichloropropane	ND		ug/kg	1.6	--	1
1,2-Dibromoethane	ND		ug/kg	0.79	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.40	--	1
Bromobenzene	ND		ug/kg	1.6	--	1
n-Butylbenzene	ND		ug/kg	0.79	--	1
sec-Butylbenzene	ND		ug/kg	0.79	--	1
tert-Butylbenzene	ND		ug/kg	1.6	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.6	--	1
o-Chlorotoluene	ND		ug/kg	1.6	--	1
p-Chlorotoluene	ND		ug/kg	1.6	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.4	--	1
Hexachlorobutadiene	ND		ug/kg	3.2	--	1
Isopropylbenzene	ND		ug/kg	0.79	--	1
p-Isopropyltoluene	ND		ug/kg	0.79	--	1
Naphthalene	ND		ug/kg	3.2	--	1
n-Propylbenzene	ND		ug/kg	0.79	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1930717

Project Number: 0231841 **Report Date:** 07/31/19

SAMPLE RESULTS

Lab ID: L1930717-01 Date Collected: 07/10/19 09:00

Client ID: SB19-10 (0-1.75) Date Received: 07/12/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.6	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.6	--	1
Ethyl ether	ND		ug/kg	1.6	--	1
Isopropyl Ether	ND		ug/kg	1.6	--	1
Tert-Butyl Alcohol	ND		ug/kg	16	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.6	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.6	--	1
1,4-Dioxane	ND		ug/kg	64	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	126		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	102		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1930717

Project Number: 0231841 **Report Date:** 07/31/19

SAMPLE RESULTS

Lab ID: L1930717-02 Date Collected: 07/10/19 09:05
Client ID: SB19-10 (17.5-20) Date Received: 07/12/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/18/19 20:09
Analyst: MV
Percent Solids: 75%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.0	--	1
1,1-Dichloroethane	ND		ug/kg	0.80	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.80	--	1
1,2-Dichloropropane	ND		ug/kg	0.80	--	1
Dibromochloromethane	ND		ug/kg	0.80	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.80	--	1
Tetrachloroethene	ND		ug/kg	0.40	--	1
Chlorobenzene	ND		ug/kg	0.40	--	1
Trichlorofluoromethane	ND		ug/kg	3.2	--	1
1,2-Dichloroethane	ND		ug/kg	0.80	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.40	--	1
Bromodichloromethane	ND		ug/kg	0.40	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.80	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.40	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.40	--	1
1,1-Dichloropropene	ND		ug/kg	0.40	--	1
Bromoform	ND		ug/kg	3.2	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.40	--	1
Benzene	ND		ug/kg	0.40	--	1
Toluene	ND		ug/kg	0.80	--	1
Ethylbenzene	ND		ug/kg	0.80	--	1
Chloromethane	ND		ug/kg	3.2	--	1
Bromomethane	ND		ug/kg	1.6	--	1
Vinyl chloride	ND		ug/kg	0.80	--	1
Chloroethane	ND		ug/kg	1.6	--	1
1,1-Dichloroethene	ND		ug/kg	0.80	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1930717

Project Number: 0231841 **Report Date:** 07/31/19

SAMPLE RESULTS

Lab ID: L1930717-02 Date Collected: 07/10/19 09:05

Client ID: SB19-10 (17.5-20) Date Received: 07/12/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.40	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.6	--	1
Methyl tert butyl ether	ND		ug/kg	1.6	--	1
p/m-Xylene	ND		ug/kg	1.6	--	1
o-Xylene	ND		ug/kg	0.80	--	1
Xylenes, Total	ND		ug/kg	0.80	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.80	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.80	--	1
Dibromomethane	ND		ug/kg	1.6	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.6	--	1
Styrene	ND		ug/kg	0.80	--	1
Dichlorodifluoromethane	ND		ug/kg	8.0	--	1
Acetone	ND		ug/kg	8.0	--	1
Carbon disulfide	ND		ug/kg	8.0	--	1
2-Butanone	ND		ug/kg	8.0	--	1
4-Methyl-2-pentanone	ND		ug/kg	8.0	--	1
2-Hexanone	ND		ug/kg	8.0	--	1
Bromochloromethane	ND		ug/kg	1.6	--	1
Tetrahydrofuran	ND		ug/kg	3.2	--	1
2,2-Dichloropropane	ND		ug/kg	1.6	--	1
1,2-Dibromoethane	ND		ug/kg	0.80	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.40	--	1
Bromobenzene	ND		ug/kg	1.6	--	1
n-Butylbenzene	ND		ug/kg	0.80	--	1
sec-Butylbenzene	ND		ug/kg	0.80	--	1
tert-Butylbenzene	ND		ug/kg	1.6	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.6	--	1
o-Chlorotoluene	ND		ug/kg	1.6	--	1
p-Chlorotoluene	ND		ug/kg	1.6	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.4	--	1
Hexachlorobutadiene	ND		ug/kg	3.2	--	1
Isopropylbenzene	ND		ug/kg	0.80	--	1
p-Isopropyltoluene	ND		ug/kg	0.80	--	1
Naphthalene	ND		ug/kg	3.2	--	1
n-Propylbenzene	ND		ug/kg	0.80	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1930717

Project Number: 0231841 **Report Date:** 07/31/19

SAMPLE RESULTS

Lab ID: L1930717-02 Date Collected: 07/10/19 09:05

Client ID: SB19-10 (17.5-20) Date Received: 07/12/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.6	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.6	--	1
Ethyl ether	ND		ug/kg	1.6	--	1
Isopropyl Ether	ND		ug/kg	1.6	--	1
Tert-Butyl Alcohol	ND		ug/kg	16	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.6	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.6	--	1
1,4-Dioxane	ND		ug/kg	64	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	100		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1930717

Project Number: 0231841 **Report Date:** 07/31/19

SAMPLE RESULTS

Lab ID: L1930717-03 Date Collected: 07/10/19 11:45
Client ID: SB19-11 (10-12.2) Date Received: 07/12/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/18/19 20:35
Analyst: MV
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.6	--	1
1,1-Dichloroethane	ND		ug/kg	0.72	--	1
Chloroform	ND		ug/kg	1.1	--	1
Carbon tetrachloride	ND		ug/kg	0.72	--	1
1,2-Dichloropropane	ND		ug/kg	0.72	--	1
Dibromochloromethane	ND		ug/kg	0.72	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.72	--	1
Tetrachloroethene	ND		ug/kg	0.36	--	1
Chlorobenzene	ND		ug/kg	0.36	--	1
Trichlorofluoromethane	ND		ug/kg	2.9	--	1
1,2-Dichloroethane	ND		ug/kg	0.72	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.36	--	1
Bromodichloromethane	ND		ug/kg	0.36	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.72	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.36	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.36	--	1
1,1-Dichloropropene	ND		ug/kg	0.36	--	1
Bromoform	ND		ug/kg	2.9	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.36	--	1
Benzene	ND		ug/kg	0.36	--	1
Toluene	ND		ug/kg	0.72	--	1
Ethylbenzene	ND		ug/kg	0.72	--	1
Chloromethane	ND		ug/kg	2.9	--	1
Bromomethane	ND		ug/kg	1.4	--	1
Vinyl chloride	ND		ug/kg	0.72	--	1
Chloroethane	ND		ug/kg	1.4	--	1
1,1-Dichloroethene	ND		ug/kg	0.72	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.1	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1930717

Project Number: 0231841 **Report Date:** 07/31/19

SAMPLE RESULTS

Lab ID: L1930717-03 Date Collected: 07/10/19 11:45

Client ID: SB19-11 (10-12.2) Date Received: 07/12/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.36	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.4	--	1
Methyl tert butyl ether	ND		ug/kg	1.4	--	1
p/m-Xylene	ND		ug/kg	1.4	--	1
o-Xylene	ND		ug/kg	0.72	--	1
Xylenes, Total	ND		ug/kg	0.72	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.72	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.72	--	1
Dibromomethane	ND		ug/kg	1.4	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.4	--	1
Styrene	ND		ug/kg	0.72	--	1
Dichlorodifluoromethane	ND		ug/kg	7.2	--	1
Acetone	22		ug/kg	7.2	--	1
Carbon disulfide	ND		ug/kg	7.2	--	1
2-Butanone	ND		ug/kg	7.2	--	1
4-Methyl-2-pentanone	ND		ug/kg	7.2	--	1
2-Hexanone	ND		ug/kg	7.2	--	1
Bromochloromethane	ND		ug/kg	1.4	--	1
Tetrahydrofuran	ND		ug/kg	2.9	--	1
2,2-Dichloropropane	ND		ug/kg	1.4	--	1
1,2-Dibromoethane	ND		ug/kg	0.72	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.36	--	1
Bromobenzene	ND		ug/kg	1.4	--	1
n-Butylbenzene	ND		ug/kg	0.72	--	1
sec-Butylbenzene	ND		ug/kg	0.72	--	1
tert-Butylbenzene	ND		ug/kg	1.4	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.4	--	1
o-Chlorotoluene	ND		ug/kg	1.4	--	1
p-Chlorotoluene	ND		ug/kg	1.4	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.2	--	1
Hexachlorobutadiene	ND		ug/kg	2.9	--	1
Isopropylbenzene	ND		ug/kg	0.72	--	1
p-Isopropyltoluene	ND		ug/kg	0.72	--	1
Naphthalene	ND		ug/kg	2.9	--	1
n-Propylbenzene	ND		ug/kg	0.72	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1930717

Project Number: 0231841 **Report Date:** 07/31/19

SAMPLE RESULTS

Lab ID: L1930717-03 Date Collected: 07/10/19 11:45

Client ID: SB19-11 (10-12.2) Date Received: 07/12/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.4	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.4	--	1
Ethyl ether	ND		ug/kg	1.4	--	1
Isopropyl Ether	ND		ug/kg	1.4	--	1
Tert-Butyl Alcohol	ND		ug/kg	14	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.4	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.4	--	1
1,4-Dioxane	ND		ug/kg	58	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	101		70-130

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1930717
Report Date: 07/31/19

SAMPLE RESULTS

Lab ID: L1930717-04
Client ID: SB19-11 (32-34)
Sample Location: SALEM, NH

Date Collected: 07/10/19 11:50
Date Received: 07/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/19/19 12:14
Analyst: MV
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	620	--	1
1,1-Dichloroethane	ND		ug/kg	120	--	1
Chloroform	ND		ug/kg	180	--	1
Carbon tetrachloride	ND		ug/kg	120	--	1
1,2-Dichloropropane	ND		ug/kg	120	--	1
Dibromochloromethane	ND		ug/kg	120	--	1
1,1,2-Trichloroethane	ND		ug/kg	120	--	1
Tetrachloroethene	ND		ug/kg	62	--	1
Chlorobenzene	ND		ug/kg	62	--	1
Trichlorofluoromethane	ND		ug/kg	500	--	1
1,2-Dichloroethane	ND		ug/kg	120	--	1
1,1,1-Trichloroethane	ND		ug/kg	62	--	1
Bromodichloromethane	ND		ug/kg	62	--	1
trans-1,3-Dichloropropene	ND		ug/kg	120	--	1
cis-1,3-Dichloropropene	ND		ug/kg	62	--	1
1,3-Dichloropropene, Total	ND		ug/kg	62	--	1
1,1-Dichloropropene	ND		ug/kg	62	--	1
Bromoform	ND		ug/kg	500	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	62	--	1
Benzene	ND		ug/kg	62	--	1
Toluene	ND		ug/kg	120	--	1
Ethylbenzene	ND		ug/kg	120	--	1
Chloromethane	ND		ug/kg	500	--	1
Bromomethane	ND		ug/kg	250	--	1
Vinyl chloride	ND		ug/kg	120	--	1
Chloroethane	ND		ug/kg	250	--	1
1,1-Dichloroethene	ND		ug/kg	120	--	1
trans-1,2-Dichloroethene	ND		ug/kg	180	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1930717

Project Number: 0231841 **Report Date:** 07/31/19

SAMPLE RESULTS

Lab ID: L1930717-04 Date Collected: 07/10/19 11:50

Client ID: SB19-11 (32-34) Date Received: 07/12/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	62	--	1
1,2-Dichlorobenzene	ND		ug/kg	250	--	1
1,3-Dichlorobenzene	ND		ug/kg	250	--	1
1,4-Dichlorobenzene	ND		ug/kg	250	--	1
Methyl tert butyl ether	ND		ug/kg	250	--	1
p/m-Xylene	ND		ug/kg	250	--	1
o-Xylene	ND		ug/kg	120	--	1
Xylenes, Total	ND		ug/kg	120	--	1
cis-1,2-Dichloroethene	ND		ug/kg	120	--	1
1,2-Dichloroethene, Total	ND		ug/kg	120	--	1
Dibromomethane	ND		ug/kg	250	--	1
1,2,3-Trichloropropane	ND		ug/kg	250	--	1
Styrene	ND		ug/kg	120	--	1
Dichlorodifluoromethane	ND		ug/kg	1200	--	1
Acetone	ND		ug/kg	1200	--	1
Carbon disulfide	ND		ug/kg	1200	--	1
2-Butanone	ND		ug/kg	1200	--	1
4-Methyl-2-pentanone	ND		ug/kg	1200	--	1
2-Hexanone	ND		ug/kg	1200	--	1
Bromochloromethane	ND		ug/kg	250	--	1
Tetrahydrofuran	ND		ug/kg	500	--	1
2,2-Dichloropropane	ND		ug/kg	250	--	1
1,2-Dibromoethane	ND		ug/kg	120	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	62	--	1
Bromobenzene	ND		ug/kg	250	--	1
n-Butylbenzene	ND		ug/kg	120	--	1
sec-Butylbenzene	ND		ug/kg	120	--	1
tert-Butylbenzene	ND		ug/kg	250	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	250	--	1
o-Chlorotoluene	ND		ug/kg	250	--	1
p-Chlorotoluene	ND		ug/kg	250	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	370	--	1
Hexachlorobutadiene	ND		ug/kg	500	--	1
Isopropylbenzene	ND		ug/kg	120	--	1
p-Isopropyltoluene	ND		ug/kg	120	--	1
Naphthalene	ND		ug/kg	500	--	1
n-Propylbenzene	ND		ug/kg	120	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1930717

Project Number: 0231841 **Report Date:** 07/31/19

SAMPLE RESULTS

Lab ID: L1930717-04 Date Collected: 07/10/19 11:50

Client ID: SB19-11 (32-34) Date Received: 07/12/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	250	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	250	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	250	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	250	--	1
Ethyl ether	ND		ug/kg	250	--	1
Isopropyl Ether	ND		ug/kg	250	--	1
Tert-Butyl Alcohol	ND		ug/kg	2500	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	250	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	250	--	1
1,4-Dioxane	ND		ug/kg	9900	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	92		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1930717

Project Number: 0231841 **Report Date:** 07/31/19

SAMPLE RESULTS

Lab ID: L1930717-05 Date Collected: 07/10/19 14:05

Client ID: SB19-12 (0-1.9) Date Received: 07/12/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 07/19/19 10:10

Analyst: MV

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.7	--	1
1,1-Dichloroethane	ND		ug/kg	0.75	--	1
Chloroform	ND		ug/kg	1.1	--	1
Carbon tetrachloride	ND		ug/kg	0.75	--	1
1,2-Dichloropropane	ND		ug/kg	0.75	--	1
Dibromochloromethane	ND		ug/kg	0.75	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.75	--	1
Tetrachloroethene	ND		ug/kg	0.37	--	1
Chlorobenzene	ND		ug/kg	0.37	--	1
Trichlorofluoromethane	ND		ug/kg	3.0	--	1
1,2-Dichloroethane	ND		ug/kg	0.75	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.37	--	1
Bromodichloromethane	ND		ug/kg	0.37	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.75	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.37	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.37	--	1
1,1-Dichloropropene	ND		ug/kg	0.37	--	1
Bromoform	ND		ug/kg	3.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.37	--	1
Benzene	ND		ug/kg	0.37	--	1
Toluene	ND		ug/kg	0.75	--	1
Ethylbenzene	ND		ug/kg	0.75	--	1
Chloromethane	ND		ug/kg	3.0	--	1
Bromomethane	ND		ug/kg	1.5	--	1
Vinyl chloride	ND		ug/kg	0.75	--	1
Chloroethane	ND		ug/kg	1.5	--	1
1,1-Dichloroethene	ND		ug/kg	0.75	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.1	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1930717

Project Number: 0231841 **Report Date:** 07/31/19

SAMPLE RESULTS

Lab ID: L1930717-05 Date Collected: 07/10/19 14:05

Client ID: SB19-12 (0-1.9) Date Received: 07/12/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.37	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.5	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.5	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.5	--	1
Methyl tert butyl ether	ND		ug/kg	1.5	--	1
p/m-Xylene	ND		ug/kg	1.5	--	1
o-Xylene	ND		ug/kg	0.75	--	1
Xylenes, Total	ND		ug/kg	0.75	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.75	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.75	--	1
Dibromomethane	ND		ug/kg	1.5	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.5	--	1
Styrene	ND		ug/kg	0.75	--	1
Dichlorodifluoromethane	ND		ug/kg	7.5	--	1
Acetone	ND		ug/kg	7.5	--	1
Carbon disulfide	ND		ug/kg	7.5	--	1
2-Butanone	ND		ug/kg	7.5	--	1
4-Methyl-2-pentanone	ND		ug/kg	7.5	--	1
2-Hexanone	ND		ug/kg	7.5	--	1
Bromochloromethane	ND		ug/kg	1.5	--	1
Tetrahydrofuran	ND		ug/kg	3.0	--	1
2,2-Dichloropropane	ND		ug/kg	1.5	--	1
1,2-Dibromoethane	ND		ug/kg	0.75	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.37	--	1
Bromobenzene	ND		ug/kg	1.5	--	1
n-Butylbenzene	ND		ug/kg	0.75	--	1
sec-Butylbenzene	ND		ug/kg	0.75	--	1
tert-Butylbenzene	ND		ug/kg	1.5	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.5	--	1
o-Chlorotoluene	ND		ug/kg	1.5	--	1
p-Chlorotoluene	ND		ug/kg	1.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.2	--	1
Hexachlorobutadiene	ND		ug/kg	3.0	--	1
Isopropylbenzene	ND		ug/kg	0.75	--	1
p-Isopropyltoluene	ND		ug/kg	0.75	--	1
Naphthalene	ND		ug/kg	3.0	--	1
n-Propylbenzene	ND		ug/kg	0.75	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1930717

Project Number: 0231841 **Report Date:** 07/31/19

SAMPLE RESULTS

Lab ID: L1930717-05 Date Collected: 07/10/19 14:05

Client ID: SB19-12 (0-1.9) Date Received: 07/12/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.5	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.5	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.5	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.5	--	1
Ethyl ether	ND		ug/kg	1.5	--	1
Isopropyl Ether	ND		ug/kg	1.5	--	1
Tert-Butyl Alcohol	ND		ug/kg	15	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.5	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.5	--	1
1,4-Dioxane	ND		ug/kg	60	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	106		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1930717

Project Number: 0231841 **Report Date:** 07/31/19

SAMPLE RESULTS

Lab ID: L1930717-07 Date Collected: 07/10/19 14:15
Client ID: SB19-12 (27.5-30) Date Received: 07/12/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/18/19 21:51
Analyst: MV
Percent Solids: 75%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.0	--	1
1,1-Dichloroethane	ND		ug/kg	0.79	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.79	--	1
1,2-Dichloropropane	ND		ug/kg	0.79	--	1
Dibromochloromethane	ND		ug/kg	0.79	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.79	--	1
Tetrachloroethene	ND		ug/kg	0.40	--	1
Chlorobenzene	ND		ug/kg	0.40	--	1
Trichlorofluoromethane	ND		ug/kg	3.2	--	1
1,2-Dichloroethane	ND		ug/kg	0.79	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.40	--	1
Bromodichloromethane	ND		ug/kg	0.40	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.79	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.40	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.40	--	1
1,1-Dichloropropene	ND		ug/kg	0.40	--	1
Bromoform	ND		ug/kg	3.2	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.40	--	1
Benzene	ND		ug/kg	0.40	--	1
Toluene	ND		ug/kg	0.79	--	1
Ethylbenzene	ND		ug/kg	0.79	--	1
Chloromethane	ND		ug/kg	3.2	--	1
Bromomethane	ND		ug/kg	1.6	--	1
Vinyl chloride	ND		ug/kg	0.79	--	1
Chloroethane	ND		ug/kg	1.6	--	1
1,1-Dichloroethene	ND		ug/kg	0.79	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1930717

Project Number: 0231841 **Report Date:** 07/31/19

SAMPLE RESULTS

Lab ID: L1930717-07 Date Collected: 07/10/19 14:15

Client ID: SB19-12 (27.5-30) Date Received: 07/12/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.40	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.6	--	1
Methyl tert butyl ether	ND		ug/kg	1.6	--	1
p/m-Xylene	ND		ug/kg	1.6	--	1
o-Xylene	ND		ug/kg	0.79	--	1
Xylenes, Total	ND		ug/kg	0.79	--	1
cis-1,2-Dichloroethene	0.96		ug/kg	0.79	--	1
1,2-Dichloroethene, Total	0.96		ug/kg	0.79	--	1
Dibromomethane	ND		ug/kg	1.6	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.6	--	1
Styrene	ND		ug/kg	0.79	--	1
Dichlorodifluoromethane	ND		ug/kg	7.9	--	1
Acetone	ND		ug/kg	7.9	--	1
Carbon disulfide	ND		ug/kg	7.9	--	1
2-Butanone	ND		ug/kg	7.9	--	1
4-Methyl-2-pentanone	ND		ug/kg	7.9	--	1
2-Hexanone	ND		ug/kg	7.9	--	1
Bromochloromethane	ND		ug/kg	1.6	--	1
Tetrahydrofuran	ND		ug/kg	3.2	--	1
2,2-Dichloropropane	ND		ug/kg	1.6	--	1
1,2-Dibromoethane	ND		ug/kg	0.79	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.40	--	1
Bromobenzene	ND		ug/kg	1.6	--	1
n-Butylbenzene	ND		ug/kg	0.79	--	1
sec-Butylbenzene	ND		ug/kg	0.79	--	1
tert-Butylbenzene	ND		ug/kg	1.6	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.6	--	1
o-Chlorotoluene	ND		ug/kg	1.6	--	1
p-Chlorotoluene	ND		ug/kg	1.6	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.4	--	1
Hexachlorobutadiene	ND		ug/kg	3.2	--	1
Isopropylbenzene	ND		ug/kg	0.79	--	1
p-Isopropyltoluene	ND		ug/kg	0.79	--	1
Naphthalene	ND		ug/kg	3.2	--	1
n-Propylbenzene	ND		ug/kg	0.79	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1930717

Project Number: 0231841 **Report Date:** 07/31/19

SAMPLE RESULTS

Lab ID: L1930717-07 Date Collected: 07/10/19 14:15

Client ID: SB19-12 (27.5-30) Date Received: 07/12/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.6	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.6	--	1
Ethyl ether	ND		ug/kg	1.6	--	1
Isopropyl Ether	ND		ug/kg	1.6	--	1
Tert-Butyl Alcohol	ND		ug/kg	16	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.6	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.6	--	1
1,4-Dioxane	ND		ug/kg	63	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	126		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	104		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1930717

Project Number: 0231841 **Report Date:** 07/31/19

SAMPLE RESULTS

Lab ID: L1930717-08 Date Collected: 07/10/19 15:30
Client ID: SB19-13 (10-10.5) Date Received: 07/12/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/18/19 22:17
Analyst: MV
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.4	--	1
1,1-Dichloroethane	ND		ug/kg	0.68	--	1
Chloroform	ND		ug/kg	1.0	--	1
Carbon tetrachloride	ND		ug/kg	0.68	--	1
1,2-Dichloropropane	ND		ug/kg	0.68	--	1
Dibromochloromethane	ND		ug/kg	0.68	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.68	--	1
Tetrachloroethene	ND		ug/kg	0.34	--	1
Chlorobenzene	ND		ug/kg	0.34	--	1
Trichlorofluoromethane	ND		ug/kg	2.7	--	1
1,2-Dichloroethane	ND		ug/kg	0.68	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.34	--	1
Bromodichloromethane	ND		ug/kg	0.34	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.68	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.34	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.34	--	1
1,1-Dichloropropene	ND		ug/kg	0.34	--	1
Bromoform	ND		ug/kg	2.7	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.34	--	1
Benzene	ND		ug/kg	0.34	--	1
Toluene	ND		ug/kg	0.68	--	1
Ethylbenzene	ND		ug/kg	0.68	--	1
Chloromethane	ND		ug/kg	2.7	--	1
Bromomethane	ND		ug/kg	1.4	--	1
Vinyl chloride	ND		ug/kg	0.68	--	1
Chloroethane	ND		ug/kg	1.4	--	1
1,1-Dichloroethene	ND		ug/kg	0.68	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.0	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1930717

Project Number: 0231841 **Report Date:** 07/31/19

SAMPLE RESULTS

Lab ID: L1930717-08 Date Collected: 07/10/19 15:30

Client ID: SB19-13 (10-10.5) Date Received: 07/12/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.34	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.4	--	1
Methyl tert butyl ether	ND		ug/kg	1.4	--	1
p/m-Xylene	ND		ug/kg	1.4	--	1
o-Xylene	ND		ug/kg	0.68	--	1
Xylenes, Total	ND		ug/kg	0.68	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.68	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.68	--	1
Dibromomethane	ND		ug/kg	1.4	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.4	--	1
Styrene	ND		ug/kg	0.68	--	1
Dichlorodifluoromethane	ND		ug/kg	6.8	--	1
Acetone	14		ug/kg	6.8	--	1
Carbon disulfide	ND		ug/kg	6.8	--	1
2-Butanone	ND		ug/kg	6.8	--	1
4-Methyl-2-pentanone	ND		ug/kg	6.8	--	1
2-Hexanone	ND		ug/kg	6.8	--	1
Bromochloromethane	ND		ug/kg	1.4	--	1
Tetrahydrofuran	ND		ug/kg	2.7	--	1
2,2-Dichloropropane	ND		ug/kg	1.4	--	1
1,2-Dibromoethane	ND		ug/kg	0.68	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.34	--	1
Bromobenzene	ND		ug/kg	1.4	--	1
n-Butylbenzene	ND		ug/kg	0.68	--	1
sec-Butylbenzene	ND		ug/kg	0.68	--	1
tert-Butylbenzene	ND		ug/kg	1.4	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.4	--	1
o-Chlorotoluene	ND		ug/kg	1.4	--	1
p-Chlorotoluene	ND		ug/kg	1.4	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.0	--	1
Hexachlorobutadiene	ND		ug/kg	2.7	--	1
Isopropylbenzene	ND		ug/kg	0.68	--	1
p-Isopropyltoluene	ND		ug/kg	0.68	--	1
Naphthalene	ND		ug/kg	2.7	--	1
n-Propylbenzene	ND		ug/kg	0.68	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1930717

Project Number: 0231841 **Report Date:** 07/31/19

SAMPLE RESULTS

Lab ID: L1930717-08 Date Collected: 07/10/19 15:30

Client ID: SB19-13 (10-10.5) Date Received: 07/12/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.4	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.4	--	1
Ethyl ether	ND		ug/kg	1.4	--	1
Isopropyl Ether	ND		ug/kg	1.4	--	1
Tert-Butyl Alcohol	ND		ug/kg	14	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.4	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.4	--	1
1,4-Dioxane	ND		ug/kg	54	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	103		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1930717

Project Number: 0231841 **Report Date:** 07/31/19

SAMPLE RESULTS

Lab ID: L1930717-09 Date Collected: 07/03/19 08:38
Client ID: TRIP BLANK Date Received: 07/12/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/18/19 19:18
Analyst: MV
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	--	1
1,1-Dichloroethane	ND		ug/kg	1.0	--	1
Chloroform	ND		ug/kg	1.5	--	1
Carbon tetrachloride	ND		ug/kg	1.0	--	1
1,2-Dichloropropane	ND		ug/kg	1.0	--	1
Dibromochloromethane	ND		ug/kg	1.0	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	--	1
Tetrachloroethene	ND		ug/kg	0.50	--	1
Chlorobenzene	ND		ug/kg	0.50	--	1
Trichlorofluoromethane	ND		ug/kg	4.0	--	1
1,2-Dichloroethane	ND		ug/kg	1.0	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	--	1
Bromodichloromethane	ND		ug/kg	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--	1
1,1-Dichloropropene	ND		ug/kg	0.50	--	1
Bromoform	ND		ug/kg	4.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--	1
Benzene	ND		ug/kg	0.50	--	1
Toluene	ND		ug/kg	1.0	--	1
Ethylbenzene	ND		ug/kg	1.0	--	1
Chloromethane	ND		ug/kg	4.0	--	1
Bromomethane	ND		ug/kg	2.0	--	1
Vinyl chloride	ND		ug/kg	1.0	--	1
Chloroethane	ND		ug/kg	2.0	--	1
1,1-Dichloroethene	ND		ug/kg	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1930717

Project Number: 0231841 **Report Date:** 07/31/19

SAMPLE RESULTS

Lab ID: L1930717-09 Date Collected: 07/03/19 08:38

Client ID: TRIP BLANK Date Received: 07/12/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.50	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	--	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	--	1
Methyl tert butyl ether	ND		ug/kg	2.0	--	1
p/m-Xylene	ND		ug/kg	2.0	--	1
o-Xylene	ND		ug/kg	1.0	--	1
Xylenes, Total	ND		ug/kg	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--	1
Dibromomethane	ND		ug/kg	2.0	--	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	--	1
Styrene	ND		ug/kg	1.0	--	1
Dichlorodifluoromethane	ND		ug/kg	10	--	1
Acetone	ND		ug/kg	10	--	1
Carbon disulfide	ND		ug/kg	10	--	1
2-Butanone	ND		ug/kg	10	--	1
4-Methyl-2-pentanone	ND		ug/kg	10	--	1
2-Hexanone	ND		ug/kg	10	--	1
Bromochloromethane	ND		ug/kg	2.0	--	1
Tetrahydrofuran	ND		ug/kg	4.0	--	1
2,2-Dichloropropane	ND		ug/kg	2.0	--	1
1,2-Dibromoethane	ND		ug/kg	1.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--	1
Bromobenzene	ND		ug/kg	2.0	--	1
n-Butylbenzene	ND		ug/kg	1.0	--	1
sec-Butylbenzene	ND		ug/kg	1.0	--	1
tert-Butylbenzene	ND		ug/kg	2.0	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	2.0	--	1
o-Chlorotoluene	ND		ug/kg	2.0	--	1
p-Chlorotoluene	ND		ug/kg	2.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--	1
Hexachlorobutadiene	ND		ug/kg	4.0	--	1
Isopropylbenzene	ND		ug/kg	1.0	--	1
p-Isopropyltoluene	ND		ug/kg	1.0	--	1
Naphthalene	ND		ug/kg	4.0	--	1
n-Propylbenzene	ND		ug/kg	1.0	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1930717

Project Number: 0231841 **Report Date:** 07/31/19

SAMPLE RESULTS

Lab ID: L1930717-09 Date Collected: 07/03/19 08:38

Client ID: TRIP BLANK Date Received: 07/12/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--	1
Ethyl ether	ND		ug/kg	2.0	--	1
Isopropyl Ether	ND		ug/kg	2.0	--	1
Tert-Butyl Alcohol	ND		ug/kg	20	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--	1
1,4-Dioxane	ND		ug/kg	80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	100		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1930717

Project Number: 0231841 **Report Date:** 07/31/19

SAMPLE RESULTS

Lab ID: L1930717-09 Date Collected: 07/03/19 08:38
Client ID: TRIP BLANK Date Received: 07/12/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/19/19 16:23
Analyst: JC
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	250	--	1
1,1-Dichloroethane	ND		ug/kg	50	--	1
Chloroform	ND		ug/kg	75	--	1
Carbon tetrachloride	ND		ug/kg	50	--	1
1,2-Dichloropropane	ND		ug/kg	50	--	1
Dibromochloromethane	ND		ug/kg	50	--	1
1,1,2-Trichloroethane	ND		ug/kg	50	--	1
Tetrachloroethene	ND		ug/kg	25	--	1
Chlorobenzene	ND		ug/kg	25	--	1
Trichlorofluoromethane	ND		ug/kg	200	--	1
1,2-Dichloroethane	ND		ug/kg	50	--	1
1,1,1-Trichloroethane	ND		ug/kg	25	--	1
Bromodichloromethane	ND		ug/kg	25	--	1
trans-1,3-Dichloropropene	ND		ug/kg	50	--	1
cis-1,3-Dichloropropene	ND		ug/kg	25	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--	1
1,1-Dichloropropene	ND		ug/kg	25	--	1
Bromoform	ND		ug/kg	200	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	--	1
Benzene	ND		ug/kg	25	--	1
Toluene	ND		ug/kg	50	--	1
Ethylbenzene	ND		ug/kg	50	--	1
Chloromethane	ND		ug/kg	200	--	1
Bromomethane	ND		ug/kg	100	--	1
Vinyl chloride	ND		ug/kg	50	--	1
Chloroethane	ND		ug/kg	100	--	1
1,1-Dichloroethene	ND		ug/kg	50	--	1
trans-1,2-Dichloroethene	ND		ug/kg	75	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1930717

Project Number: 0231841 **Report Date:** 07/31/19

SAMPLE RESULTS

Lab ID: L1930717-09 Date Collected: 07/03/19 08:38

Client ID: TRIP BLANK Date Received: 07/12/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	25	--	1
1,2-Dichlorobenzene	ND		ug/kg	100	--	1
1,3-Dichlorobenzene	ND		ug/kg	100	--	1
1,4-Dichlorobenzene	ND		ug/kg	100	--	1
Methyl tert butyl ether	ND		ug/kg	100	--	1
p/m-Xylene	ND		ug/kg	100	--	1
o-Xylene	ND		ug/kg	50	--	1
Xylenes, Total	ND		ug/kg	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/kg	50	--	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--	1
Dibromomethane	ND		ug/kg	100	--	1
1,2,3-Trichloropropane	ND		ug/kg	100	--	1
Styrene	ND		ug/kg	50	--	1
Dichlorodifluoromethane	ND		ug/kg	500	--	1
Acetone	ND		ug/kg	500	--	1
Carbon disulfide	ND		ug/kg	500	--	1
2-Butanone	ND		ug/kg	500	--	1
4-Methyl-2-pentanone	ND		ug/kg	500	--	1
2-Hexanone	ND		ug/kg	500	--	1
Bromochloromethane	ND		ug/kg	100	--	1
Tetrahydrofuran	ND		ug/kg	200	--	1
2,2-Dichloropropane	ND		ug/kg	100	--	1
1,2-Dibromoethane	ND		ug/kg	50	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	--	1
Bromobenzene	ND		ug/kg	100	--	1
n-Butylbenzene	ND		ug/kg	50	--	1
sec-Butylbenzene	ND		ug/kg	50	--	1
tert-Butylbenzene	ND		ug/kg	100	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	100	--	1
o-Chlorotoluene	ND		ug/kg	100	--	1
p-Chlorotoluene	ND		ug/kg	100	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	--	1
Hexachlorobutadiene	ND		ug/kg	200	--	1
Isopropylbenzene	ND		ug/kg	50	--	1
p-Isopropyltoluene	ND		ug/kg	50	--	1
Naphthalene	ND		ug/kg	200	--	1
n-Propylbenzene	ND		ug/kg	50	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1930717

Project Number: 0231841 **Report Date:** 07/31/19

SAMPLE RESULTS

Lab ID: L1930717-09 Date Collected: 07/03/19 08:38

Client ID: TRIP BLANK Date Received: 07/12/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	100	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	100	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	100	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	100	--	1
Ethyl ether	ND		ug/kg	100	--	1
Isopropyl Ether	ND		ug/kg	100	--	1
Tert-Butyl Alcohol	ND		ug/kg	1000	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	100	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	100	--	1
1,4-Dioxane	ND		ug/kg	4000	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	102		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1930717

Project Number: 0231841 **Report Date:** 07/31/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/18/19 18:52
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03,07-09 Batch: WG1261891-5					
Methylene chloride	ND		ug/kg	5.0	--
1,1-Dichloroethane	ND		ug/kg	1.0	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	1.0	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.0	--
Tetrachloroethene	ND		ug/kg	0.50	--
Chlorobenzene	ND		ug/kg	0.50	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	0.50	--
Bromodichloromethane	ND		ug/kg	0.50	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--
1,1-Dichloropropene	ND		ug/kg	0.50	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--
Benzene	ND		ug/kg	0.50	--
Toluene	ND		ug/kg	1.0	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	1.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	0.50	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1930717

Project Number: 0231841 **Report Date:** 07/31/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/18/19 18:52
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03,07-09 Batch: WG1261891-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	--
1,3-Dichlorobenzene	ND		ug/kg	2.0	--
1,4-Dichlorobenzene	ND		ug/kg	2.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	1.0	--
Xylenes, Total	ND		ug/kg	1.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	2.0	--
1,2,3-Trichloropropane	ND		ug/kg	2.0	--
Styrene	ND		ug/kg	1.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	10	--
Carbon disulfide	ND		ug/kg	10	--
2-Butanone	ND		ug/kg	10	--
4-Methyl-2-pentanone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Bromochloromethane	ND		ug/kg	2.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	2.0	--
1,2-Dibromoethane	ND		ug/kg	1.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--
Bromobenzene	ND		ug/kg	2.0	--
n-Butylbenzene	ND		ug/kg	1.0	--
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	2.0	--
1,3,5-Trichlorobenzene	ND		ug/kg	2.0	--
o-Chlorotoluene	ND		ug/kg	2.0	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1930717

Project Number: 0231841 **Report Date:** 07/31/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/18/19 18:52
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03,07-09 Batch: WG1261891-5					
p-Chlorotoluene	ND		ug/kg	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--
Ethyl ether	ND		ug/kg	2.0	--
Isopropyl Ether	ND		ug/kg	2.0	--
Tert-Butyl Alcohol	ND		ug/kg	20	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--
1,4-Dioxane	ND		ug/kg	80	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	99		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1930717

Project Number: 0231841 **Report Date:** 07/31/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/19/19 06:40
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04 Batch: WG1262100-5					
Methylene chloride	ND		ug/kg	250	--
1,1-Dichloroethane	ND		ug/kg	50	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	50	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	50	--
Tetrachloroethene	ND		ug/kg	25	--
Chlorobenzene	ND		ug/kg	25	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	25	--
Bromodichloromethane	ND		ug/kg	25	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	25	--
1,3-Dichloropropene, Total	ND		ug/kg	25	--
1,1-Dichloropropene	ND		ug/kg	25	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	--
Benzene	ND		ug/kg	25	--
Toluene	ND		ug/kg	50	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	50	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	25	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1930717

Project Number: 0231841 **Report Date:** 07/31/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/19/19 06:40
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04 Batch: WG1262100-5					
1,2-Dichlorobenzene	ND		ug/kg	100	--
1,3-Dichlorobenzene	ND		ug/kg	100	--
1,4-Dichlorobenzene	ND		ug/kg	100	--
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	50	--
Xylenes, Total	ND		ug/kg	50	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
1,2-Dichloroethene, Total	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	100	--
1,2,3-Trichloropropane	ND		ug/kg	100	--
Styrene	ND		ug/kg	50	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	500	--
Carbon disulfide	ND		ug/kg	500	--
2-Butanone	ND		ug/kg	500	--
4-Methyl-2-pentanone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	100	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	100	--
1,2-Dibromoethane	ND		ug/kg	50	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	--
Bromobenzene	ND		ug/kg	100	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	100	--
1,3,5-Trichlorobenzene	ND		ug/kg	100	--
o-Chlorotoluene	ND		ug/kg	100	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1930717

Project Number: 0231841 **Report Date:** 07/31/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/19/19 06:40
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04 Batch: WG1262100-5					
p-Chlorotoluene	ND		ug/kg	100	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--
1,2,3-Trichlorobenzene	ND		ug/kg	100	--
1,2,4-Trichlorobenzene	ND		ug/kg	100	--
1,3,5-Trimethylbenzene	ND		ug/kg	100	--
1,2,4-Trimethylbenzene	ND		ug/kg	100	--
Ethyl ether	ND		ug/kg	100	--
Isopropyl Ether	ND		ug/kg	100	--
Tert-Butyl Alcohol	ND		ug/kg	1000	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	100	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	100	--
1,4-Dioxane	ND		ug/kg	4000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	91		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1930717

Project Number: 0231841 **Report Date:** 07/31/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/19/19 09:40
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 05 Batch: WG1262120-5					
Methylene chloride	ND		ug/kg	5.0	--
1,1-Dichloroethane	ND		ug/kg	1.0	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	1.0	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.0	--
Tetrachloroethene	ND		ug/kg	0.50	--
Chlorobenzene	ND		ug/kg	0.50	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	0.50	--
Bromodichloromethane	ND		ug/kg	0.50	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--
1,1-Dichloropropene	ND		ug/kg	0.50	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--
Benzene	ND		ug/kg	0.50	--
Toluene	ND		ug/kg	1.0	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	1.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	0.50	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1930717

Project Number: 0231841 **Report Date:** 07/31/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/19/19 09:40
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 05 Batch: WG1262120-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	--
1,3-Dichlorobenzene	ND		ug/kg	2.0	--
1,4-Dichlorobenzene	ND		ug/kg	2.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	1.0	--
Xylenes, Total	ND		ug/kg	1.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	2.0	--
1,2,3-Trichloropropane	ND		ug/kg	2.0	--
Styrene	ND		ug/kg	1.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	10	--
Carbon disulfide	ND		ug/kg	10	--
2-Butanone	ND		ug/kg	10	--
4-Methyl-2-pentanone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Bromochloromethane	ND		ug/kg	2.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	2.0	--
1,2-Dibromoethane	ND		ug/kg	1.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--
Bromobenzene	ND		ug/kg	2.0	--
n-Butylbenzene	ND		ug/kg	1.0	--
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	2.0	--
1,3,5-Trichlorobenzene	ND		ug/kg	2.0	--
o-Chlorotoluene	ND		ug/kg	2.0	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1930717

Project Number: 0231841 **Report Date:** 07/31/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/19/19 09:40
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 05 Batch: WG1262120-5					
p-Chlorotoluene	ND		ug/kg	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--
Ethyl ether	ND		ug/kg	2.0	--
Isopropyl Ether	ND		ug/kg	2.0	--
Tert-Butyl Alcohol	ND		ug/kg	20	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--
1,4-Dioxane	ND		ug/kg	80	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	106		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1930717

Project Number: 0231841 **Report Date:** 07/31/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/19/19 10:13
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 09 Batch: WG1262197-5					
Methylene chloride	ND		ug/kg	250	--
1,1-Dichloroethane	ND		ug/kg	50	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	50	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	50	--
Tetrachloroethene	ND		ug/kg	25	--
Chlorobenzene	ND		ug/kg	25	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	25	--
Bromodichloromethane	ND		ug/kg	25	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	25	--
1,3-Dichloropropene, Total	ND		ug/kg	25	--
1,1-Dichloropropene	ND		ug/kg	25	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	--
Benzene	ND		ug/kg	25	--
Toluene	ND		ug/kg	50	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	50	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	25	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1930717

Project Number: 0231841 **Report Date:** 07/31/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/19/19 10:13
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 09 Batch: WG1262197-5					
1,2-Dichlorobenzene	ND		ug/kg	100	--
1,3-Dichlorobenzene	ND		ug/kg	100	--
1,4-Dichlorobenzene	ND		ug/kg	100	--
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	50	--
Xylenes, Total	ND		ug/kg	50	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
1,2-Dichloroethene, Total	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	100	--
1,2,3-Trichloropropane	ND		ug/kg	100	--
Styrene	ND		ug/kg	50	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	500	--
Carbon disulfide	ND		ug/kg	500	--
2-Butanone	ND		ug/kg	500	--
4-Methyl-2-pentanone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	100	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	100	--
1,2-Dibromoethane	ND		ug/kg	50	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	--
Bromobenzene	ND		ug/kg	100	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	100	--
1,3,5-Trichlorobenzene	ND		ug/kg	100	--
o-Chlorotoluene	ND		ug/kg	100	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1930717

Project Number: 0231841 **Report Date:** 07/31/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/19/19 10:13
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 09 Batch: WG1262197-5					
p-Chlorotoluene	ND		ug/kg	100	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--
1,2,3-Trichlorobenzene	ND		ug/kg	100	--
1,2,4-Trichlorobenzene	ND		ug/kg	100	--
1,3,5-Trimethylbenzene	ND		ug/kg	100	--
1,2,4-Trimethylbenzene	ND		ug/kg	100	--
Ethyl ether	ND		ug/kg	100	--
Isopropyl Ether	ND		ug/kg	100	--
Tert-Butyl Alcohol	ND		ug/kg	1000	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	100	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	100	--
1,4-Dioxane	ND		ug/kg	4000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1930717
Report Date: 07/31/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03,07-09 Batch: WG1261891-3 WG1261891-4								
Methylene chloride	90		90		70-130	0		30
1,1-Dichloroethane	112		111		70-130	1		30
Chloroform	100		99		70-130	1		30
Carbon tetrachloride	87		86		70-130	1		30
1,2-Dichloropropane	110		110		70-130	0		30
Dibromochloromethane	78		79		70-130	1		30
1,1,2-Trichloroethane	94		93		70-130	1		30
Tetrachloroethene	80		79		70-130	1		30
Chlorobenzene	88		87		70-130	1		30
Trichlorofluoromethane	88		87		70-139	1		30
1,2-Dichloroethane	110		108		70-130	2		30
1,1,1-Trichloroethane	96		94		70-130	2		30
Bromodichloromethane	94		94		70-130	0		30
trans-1,3-Dichloropropene	91		91		70-130	0		30
cis-1,3-Dichloropropene	95		94		70-130	1		30
1,1-Dichloropropene	104		105		70-130	1		30
Bromoform	**67**	Q	**67**	Q	70-130	0		30
1,1,2,2-Tetrachloroethane	99		96		70-130	3		30
Benzene	100		99		70-130	1		30
Toluene	94		94		70-130	0		30
Ethylbenzene	97		98		70-130	1		30
Chloromethane	129		128		52-130	1		30
Bromomethane	136		145		57-147	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1930717
Report Date: 07/31/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03,07-09 Batch: WG1261891-3 WG1261891-4								
Vinyl chloride	117		116		67-130	1		30
Chloroethane	97		97		50-151	0		30
1,1-Dichloroethene	90		89		65-135	1		30
trans-1,2-Dichloroethene	91		90		70-130	1		30
Trichloroethene	92		89		70-130	3		30
1,2-Dichlorobenzene	86		85		70-130	1		30
1,3-Dichlorobenzene	87		85		70-130	2		30
1,4-Dichlorobenzene	85		84		70-130	1		30
Methyl tert butyl ether	92		91		66-130	1		30
p/m-Xylene	89		90		70-130	1		30
o-Xylene	88		88		70-130	0		30
cis-1,2-Dichloroethene	93		92		70-130	1		30
Dibromomethane	95		93		70-130	2		30
1,2,3-Trichloropropane	101		99		68-130	2		30
Styrene	86		86		70-130	0		30
Dichlorodifluoromethane	76		76		30-146	0		30
Acetone	**147**	Q	**144**	Q	54-140	2		30
Carbon disulfide	96		95		59-130	1		30
2-Butanone	108		106		70-130	2		30
4-Methyl-2-pentanone	101		98		70-130	3		30
2-Hexanone	114		110		70-130	4		30
Bromochloromethane	85		85		70-130	0		30
Tetrahydrofuran	**136**	Q	130		66-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1930717
Report Date: 07/31/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03,07-09 Batch: WG1261891-3 WG1261891-4								
2,2-Dichloropropane	94		96		70-130	2		30
1,2-Dibromoethane	87		87		70-130	0		30
1,1,1,2-Tetrachloroethane	79		80		70-130	1		30
Bromobenzene	84		81		70-130	4		30
n-Butylbenzene	103		102		70-130	1		30
sec-Butylbenzene	98		96		70-130	2		30
tert-Butylbenzene	92		91		70-130	1		30
1,3,5-Trichlorobenzene	78		78		70-139	0		30
o-Chlorotoluene	101		102		70-130	1		30
p-Chlorotoluene	101		97		70-130	4		30
1,2-Dibromo-3-chloropropane	72		**66**	Q	68-130	9		30
Hexachlorobutadiene	74		72		67-130	3		30
Isopropylbenzene	95		94		70-130	1		30
p-Isopropyltoluene	92		90		70-130	2		30
Naphthalene	83		79		70-130	5		30
n-Propylbenzene	101		99		70-130	2		30
1,2,3-Trichlorobenzene	75		75		70-130	0		30
1,2,4-Trichlorobenzene	77		74		70-130	4		30
1,3,5-Trimethylbenzene	95		95		70-130	0		30
1,2,4-Trimethylbenzene	95		92		70-130	3		30
Ethyl ether	108		103		67-130	5		30
Isopropyl Ether	123		123		66-130	0		30
Tert-Butyl Alcohol	96		86		70-130	11		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 0231841

Lab Number: L1930717

Report Date: 07/31/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03,07-09 Batch: WG1261891-3 WG1261891-4								
Ethyl-Tert-Butyl-Ether	102		102		70-130	0		30
Tertiary-Amyl Methyl Ether	90		89		70-130	1		30
1,4-Dioxane	115		108		65-136	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	116		116		70-130
Toluene-d8	102		103		70-130
4-Bromofluorobenzene	108		107		70-130
Dibromofluoromethane	99		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1930717
Report Date: 07/31/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04 Batch: WG1262100-3 WG1262100-4								
Methylene chloride	83		82		70-130	1		30
1,1-Dichloroethane	95		97		70-130	2		30
Chloroform	94		97		70-130	3		30
Carbon tetrachloride	92		95		70-130	3		30
1,2-Dichloropropane	100		99		70-130	1		30
Dibromochloromethane	92		91		70-130	1		30
1,1,2-Trichloroethane	100		101		70-130	1		30
Tetrachloroethene	93		93		70-130	0		30
Chlorobenzene	89		90		70-130	1		30
Trichlorofluoromethane	93		94		70-139	1		30
1,2-Dichloroethane	92		90		70-130	2		30
1,1,1-Trichloroethane	100		99		70-130	1		30
Bromodichloromethane	101		100		70-130	1		30
trans-1,3-Dichloropropene	98		95		70-130	3		30
cis-1,3-Dichloropropene	102		100		70-130	2		30
1,1-Dichloropropene	98		98		70-130	0		30
Bromoform	97		91		70-130	6		30
1,1,2,2-Tetrachloroethane	91		88		70-130	3		30
Benzene	96		97		70-130	1		30
Toluene	94		95		70-130	1		30
Ethylbenzene	96		97		70-130	1		30
Chloromethane	84		83		52-130	1		30
Bromomethane	99		99		57-147	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1930717
Report Date: 07/31/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04 Batch: WG1262100-3 WG1262100-4								
Vinyl chloride	96		97		67-130	1		30
Chloroethane	106		107		50-151	1		30
1,1-Dichloroethene	92		94		65-135	2		30
trans-1,2-Dichloroethene	94		95		70-130	1		30
Trichloroethene	99		99		70-130	0		30
1,2-Dichlorobenzene	85		86		70-130	1		30
1,3-Dichlorobenzene	87		86		70-130	1		30
1,4-Dichlorobenzene	86		86		70-130	0		30
Methyl tert butyl ether	90		87		66-130	3		30
p/m-Xylene	93		94		70-130	1		30
o-Xylene	94		94		70-130	0		30
cis-1,2-Dichloroethene	99		99		70-130	0		30
Dibromomethane	102		97		70-130	5		30
1,2,3-Trichloropropane	91		87		68-130	4		30
Styrene	94		94		70-130	0		30
Dichlorodifluoromethane	74		74		30-146	0		30
Acetone	73		66		54-140	10		30
Carbon disulfide	87		87		59-130	0		30
2-Butanone	74		71		70-130	4		30
4-Methyl-2-pentanone	94		90		70-130	4		30
2-Hexanone	78		**69**	Q	70-130	12		30
Bromochloromethane	96		95		70-130	1		30
Tetrahydrofuran	93		85		66-130	9		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1930717
Report Date: 07/31/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04 Batch: WG1262100-3 WG1262100-4								
2,2-Dichloropropane	98		96		70-130	2		30
1,2-Dibromoethane	95		93		70-130	2		30
1,1,1,2-Tetrachloroethane	92		92		70-130	0		30
Bromobenzene	90		90		70-130	0		30
n-Butylbenzene	95		97		70-130	2		30
sec-Butylbenzene	90		90		70-130	0		30
tert-Butylbenzene	88		89		70-130	1		30
1,3,5-Trichlorobenzene	93		92		70-139	1		30
o-Chlorotoluene	77		78		70-130	1		30
p-Chlorotoluene	94		93		70-130	1		30
1,2-Dibromo-3-chloropropane	81		80		68-130	1		30
Hexachlorobutadiene	103		104		67-130	1		30
Isopropylbenzene	89		90		70-130	1		30
p-Isopropyltoluene	89		89		70-130	0		30
Naphthalene	83		80		70-130	4		30
n-Propylbenzene	95		95		70-130	0		30
1,2,3-Trichlorobenzene	88		84		70-130	5		30
1,2,4-Trichlorobenzene	93		89		70-130	4		30
1,3,5-Trimethylbenzene	90		91		70-130	1		30
1,2,4-Trimethylbenzene	89		89		70-130	0		30
Ethyl ether	91		89		67-130	2		30
Isopropyl Ether	91		89		66-130	2		30
Tert-Butyl Alcohol	85		79		70-130	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 0231841

Lab Number: L1930717

Report Date: 07/31/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04 Batch: WG1262100-3 WG1262100-4								
Ethyl-Tert-Butyl-Ether	95		94		70-130	1		30
Tertiary-Amyl Methyl Ether	94		93		70-130	1		30
1,4-Dioxane	75		75		65-136	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		94		70-130
Toluene-d8	99		100		70-130
4-Bromofluorobenzene	100		100		70-130
Dibromofluoromethane	96		96		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
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Report Date: 07/31/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 05 Batch: WG1262120-3 WG1262120-4								
Methylene chloride	99		94		70-130	5		30
1,1-Dichloroethane	107		102		70-130	5		30
Chloroform	111		106		70-130	5		30
Carbon tetrachloride	122		116		70-130	5		30
1,2-Dichloropropane	102		102		70-130	0		30
Dibromochloromethane	98		96		70-130	2		30
1,1,2-Trichloroethane	90		87		70-130	3		30
Tetrachloroethene	102		97		70-130	5		30
Chlorobenzene	90		88		70-130	2		30
Trichlorofluoromethane	129		117		70-139	10		30
1,2-Dichloroethane	113		109		70-130	4		30
1,1,1-Trichloroethane	128		121		70-130	6		30
Bromodichloromethane	112		110		70-130	2		30
trans-1,3-Dichloropropene	99		98		70-130	1		30
cis-1,3-Dichloropropene	109		106		70-130	3		30
1,1-Dichloropropene	113		105		70-130	7		30
Bromoform	94		92		70-130	2		30
1,1,2,2-Tetrachloroethane	86		86		70-130	0		30
Benzene	100		96		70-130	4		30
Toluene	93		91		70-130	2		30
Ethylbenzene	100		96		70-130	4		30
Chloromethane	98		89		52-130	10		30
Bromomethane	122		119		57-147	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1930717
Report Date: 07/31/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 05 Batch: WG1262120-3 WG1262120-4								
Vinyl chloride	93		85		67-130	9		30
Chloroethane	105		101		50-151	4		30
1,1-Dichloroethene	92		88		65-135	4		30
trans-1,2-Dichloroethene	106		101		70-130	5		30
Trichloroethene	110		101		70-130	9		30
1,2-Dichlorobenzene	88		88		70-130	0		30
1,3-Dichlorobenzene	91		88		70-130	3		30
1,4-Dichlorobenzene	90		87		70-130	3		30
Methyl tert butyl ether	111		109		66-130	2		30
p/m-Xylene	94		92		70-130	2		30
o-Xylene	95		92		70-130	3		30
cis-1,2-Dichloroethene	106		101		70-130	5		30
Dibromomethane	101		101		70-130	0		30
1,2,3-Trichloropropane	86		87		68-130	1		30
Styrene	96		94		70-130	2		30
Dichlorodifluoromethane	117		108		30-146	8		30
Acetone	125		115		54-140	8		30
Carbon disulfide	76		73		59-130	4		30
2-Butanone	96		92		70-130	4		30
4-Methyl-2-pentanone	95		94		70-130	1		30
2-Hexanone	95		93		70-130	2		30
Bromochloromethane	101		98		70-130	3		30
Tetrahydrofuran	119		114		66-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1930717
Report Date: 07/31/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 05 Batch: WG1262120-3 WG1262120-4								
2,2-Dichloropropane	124		114		70-130	8		30
1,2-Dibromoethane	89		89		70-130	0		30
1,1,1,2-Tetrachloroethane	98		97		70-130	1		30
Bromobenzene	87		85		70-130	2		30
n-Butylbenzene	102		98		70-130	4		30
sec-Butylbenzene	95		91		70-130	4		30
tert-Butylbenzene	95		90		70-130	5		30
1,3,5-Trichlorobenzene	95		93		70-139	2		30
o-Chlorotoluene	98		94		70-130	4		30
p-Chlorotoluene	97		94		70-130	3		30
1,2-Dibromo-3-chloropropane	82		81		68-130	1		30
Hexachlorobutadiene	103		101		67-130	2		30
Isopropylbenzene	93		89		70-130	4		30
p-Isopropyltoluene	96		92		70-130	4		30
Naphthalene	86		86		70-130	0		30
n-Propylbenzene	98		93		70-130	5		30
1,2,3-Trichlorobenzene	90		90		70-130	0		30
1,2,4-Trichlorobenzene	94		93		70-130	1		30
1,3,5-Trimethylbenzene	96		91		70-130	5		30
1,2,4-Trimethylbenzene	94		91		70-130	3		30
Ethyl ether	90		90		67-130	0		30
Isopropyl Ether	106		104		66-130	2		30
Tert-Butyl Alcohol	107		102		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 0231841

Lab Number: L1930717

Report Date: 07/31/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 05 Batch: WG1262120-3 WG1262120-4								
Ethyl-Tert-Butyl-Ether	110		107		70-130	3		30
Tertiary-Amyl Methyl Ether	103		100		70-130	3		30
1,4-Dioxane	85		86		65-136	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	113		113		70-130
Toluene-d8	99		100		70-130
4-Bromofluorobenzene	105		107		70-130
Dibromofluoromethane	108		107		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 0231841

Lab Number: L1930717

Report Date: 07/31/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 09 Batch: WG1262197-3 WG1262197-4								
Methylene chloride	83		83		70-130	0		30
1,1-Dichloroethane	93		92		70-130	1		30
Chloroform	99		98		70-130	1		30
Carbon tetrachloride	125		127		70-130	2		30
1,2-Dichloropropane	86		87		70-130	1		30
Dibromochloromethane	99		100		70-130	1		30
1,1,2-Trichloroethane	81		80		70-130	1		30
Tetrachloroethene	111		110		70-130	1		30
Chlorobenzene	95		93		70-130	2		30
Trichlorofluoromethane	123		122		70-139	1		30
1,2-Dichloroethane	98		99		70-130	1		30
1,1,1-Trichloroethane	114		113		70-130	1		30
Bromodichloromethane	98		98		70-130	0		30
trans-1,3-Dichloropropene	86		86		70-130	0		30
cis-1,3-Dichloropropene	94		94		70-130	0		30
1,1-Dichloropropene	101		101		70-130	0		30
Bromoform	96		94		70-130	2		30
1,1,2,2-Tetrachloroethane	73		72		70-130	1		30
Benzene	92		91		70-130	1		30
Toluene	92		90		70-130	2		30
Ethylbenzene	94		94		70-130	0		30
Chloromethane	87		86		52-130	1		30
Bromomethane	83		84		57-147	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1930717
Report Date: 07/31/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 09 Batch: WG1262197-3 WG1262197-4								
Vinyl chloride	82		81		67-130	1		30
Chloroethane	74		73		50-151	1		30
1,1-Dichloroethene	104		104		65-135	0		30
trans-1,2-Dichloroethene	104		102		70-130	2		30
Trichloroethene	102		101		70-130	1		30
1,2-Dichlorobenzene	95		94		70-130	1		30
1,3-Dichlorobenzene	97		97		70-130	0		30
1,4-Dichlorobenzene	97		96		70-130	1		30
Methyl tert butyl ether	96		96		66-130	0		30
p/m-Xylene	100		100		70-130	0		30
o-Xylene	100		99		70-130	1		30
cis-1,2-Dichloroethene	100		101		70-130	1		30
Dibromomethane	93		94		70-130	1		30
1,2,3-Trichloropropane	76		76		68-130	0		30
Styrene	101		102		70-130	1		30
Dichlorodifluoromethane	89		89		30-146	0		30
Acetone	85		77		54-140	10		30
Carbon disulfide	87		86		59-130	1		30
2-Butanone	95		91		70-130	4		30
4-Methyl-2-pentanone	81		79		70-130	3		30
2-Hexanone	77		75		70-130	3		30
Bromochloromethane	108		109		70-130	1		30
Tetrahydrofuran	87		87		66-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1930717
Report Date: 07/31/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 09 Batch: WG1262197-3 WG1262197-4								
2,2-Dichloropropane	109		107		70-130	2		30
1,2-Dibromoethane	91		91		70-130	0		30
1,1,1,2-Tetrachloroethane	101		104		70-130	3		30
Bromobenzene	95		93		70-130	2		30
n-Butylbenzene	92		92		70-130	0		30
sec-Butylbenzene	96		94		70-130	2		30
tert-Butylbenzene	100		100		70-130	0		30
1,3,5-Trichlorobenzene	103		102		70-139	1		30
o-Chlorotoluene	88		85		70-130	3		30
p-Chlorotoluene	88		87		70-130	1		30
1,2-Dibromo-3-chloropropane	94		98		68-130	4		30
Hexachlorobutadiene	110		110		67-130	0		30
Isopropylbenzene	95		93		70-130	2		30
p-Isopropyltoluene	104		103		70-130	1		30
Naphthalene	98		100		70-130	2		30
n-Propylbenzene	87		87		70-130	0		30
1,2,3-Trichlorobenzene	102		103		70-130	1		30
1,2,4-Trichlorobenzene	101		102		70-130	1		30
1,3,5-Trimethylbenzene	96		95		70-130	1		30
1,2,4-Trimethylbenzene	96		95		70-130	1		30
Ethyl ether	88		87		67-130	1		30
Isopropyl Ether	88		87		66-130	1		30
Tert-Butyl Alcohol	99		98		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1930717
Report Date: 07/31/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 09 Batch: WG1262197-3 WG1262197-4								
Ethyl-Tert-Butyl-Ether	95		95		70-130	0		30
Tertiary-Amyl Methyl Ether	94		94		70-130	0		30
1,4-Dioxane	84		82		65-136	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		103		70-130
Toluene-d8	91		91		70-130
4-Bromofluorobenzene	86		86		70-130
Dibromofluoromethane	105		105		70-130

INORGANICS
&
MISCELLANEOUS

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1930717
Report Date: 07/31/19

SAMPLE RESULTS

Lab ID: L1930717-01
Client ID: SB19-10 (0-1.75)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/10/19 09:00
Date Received: 07/12/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.9		%	0.100	NA	1	-	07/13/19 05:42	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1930717
Report Date: 07/31/19

SAMPLE RESULTS

Lab ID: L1930717-02
Client ID: SB19-10 (17.5-20)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/10/19 09:05
Date Received: 07/12/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	74.6		%	0.100	NA	1	-	07/13/19 05:42	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1930717
Report Date: 07/31/19

SAMPLE RESULTS

Lab ID: L1930717-03
Client ID: SB19-11 (10-12.2)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/10/19 11:45
Date Received: 07/12/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon	0.021		%	0.010	--	1	-	07/29/19 13:37	1,9060A	SP
Grain Size Analysis - Mansfield Lab										
Cobbles	ND		%	0.100	NA	1	-	07/25/19 03:01	12,D6913/D7928	MC
% Coarse Gravel	ND		%	0.100	NA	1	-	07/25/19 03:01	12,D6913/D7928	MC
% Fine Gravel	ND		%	0.100	NA	1	-	07/25/19 03:01	12,D6913/D7928	MC
% Total Gravel	ND		%	0.100	NA	1	-	07/25/19 03:01	12,D6913/D7928	MC
% Coarse Sand	1.70		%	0.100	NA	1	-	07/25/19 03:01	12,D6913/D7928	MC
% Medium Sand	40.3		%	0.100	NA	1	-	07/25/19 03:01	12,D6913/D7928	MC
% Fine Sand	38.6		%	0.100	NA	1	-	07/25/19 03:01	12,D6913/D7928	MC
% Total Sand	80.6		%	0.100	NA	1	-	07/25/19 03:01	12,D6913/D7928	MC
% Total Fines	19.4		%	0.100	NA	1	-	07/25/19 03:01	12,D6913/D7928	MC
General Chemistry - Westborough Lab										
Solids, Total	87.0		%	0.100	NA	1	-	07/13/19 05:42	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1930717
Report Date: 07/31/19

SAMPLE RESULTS

Lab ID: L1930717-04
Client ID: SB19-11 (32-34)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/10/19 11:50
Date Received: 07/12/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.0		%	0.100	NA	1	-	07/13/19 05:42	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1930717
Report Date: 07/31/19

SAMPLE RESULTS

Lab ID: L1930717-05
Client ID: SB19-12 (0-1.9)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/10/19 14:05
Date Received: 07/12/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.2		%	0.100	NA	1	-	07/13/19 05:42	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1930717
Report Date: 07/31/19

SAMPLE RESULTS

Lab ID: L1930717-06
Client ID: SB19-12 (12.5-15)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/10/19 14:10
Date Received: 07/12/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon	0.012		%	0.010	--	1	-	07/29/19 13:37	1,9060A	SP
Grain Size Analysis - Mansfield Lab										
Cobbles	ND		%	0.100	NA	1	-	07/25/19 03:01	12,D6913/D7928	MC
% Coarse Gravel	ND		%	0.100	NA	1	-	07/25/19 03:01	12,D6913/D7928	MC
% Fine Gravel	ND		%	0.100	NA	1	-	07/25/19 03:01	12,D6913/D7928	MC
% Total Gravel	ND		%	0.100	NA	1	-	07/25/19 03:01	12,D6913/D7928	MC
% Coarse Sand	ND		%	0.100	NA	1	-	07/25/19 03:01	12,D6913/D7928	MC
% Medium Sand	0.100		%	0.100	NA	1	-	07/25/19 03:01	12,D6913/D7928	MC
% Fine Sand	6.10		%	0.100	NA	1	-	07/25/19 03:01	12,D6913/D7928	MC
% Total Sand	6.20		%	0.100	NA	1	-	07/25/19 03:01	12,D6913/D7928	MC
% Total Fines	93.8		%	0.100	NA	1	-	07/25/19 03:01	12,D6913/D7928	MC
General Chemistry - Westborough Lab										
Solids, Total	74.6		%	0.100	NA	1	-	07/13/19 05:42	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1930717
Report Date: 07/31/19

SAMPLE RESULTS

Lab ID: L1930717-07
Client ID: SB19-12 (27.5-30)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/10/19 14:15
Date Received: 07/12/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	74.8		%	0.100	NA	1	-	07/13/19 05:42	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1930717
Report Date: 07/31/19

SAMPLE RESULTS

Lab ID: L1930717-08
Client ID: SB19-13 (10-10.5)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/10/19 15:30
Date Received: 07/12/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.1		%	0.100	NA	1	-	07/13/19 05:42	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1930717
Report Date: 07/31/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab for sample(s): 03,06 Batch: WG1261537-1										
Total Organic Carbon	ND		%	0.010	--	1	-	07/29/19 13:37	1,9060A	SP

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 0231841

Lab Number: L1930717

Report Date: 07/31/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Organic Carbon - Mansfield Lab Associated sample(s): 03,06 Batch: WG1261537-2								
Total Organic Carbon	86		-		75-125	-		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1930717
Report Date: 07/31/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1259454-1 QC Sample: L1930716-03 Client ID: DUP Sample						
Solids, Total	84.4	83.9	%	1		20
Grain Size Analysis - Mansfield Lab Associated sample(s): 03,06 QC Batch ID: WG1264165-1 QC Sample: L1930717-03 Client ID: SB19-11 (10-12.2)						
Cobbles	ND	ND	%	NC		20
% Coarse Gravel	ND	ND	%	NC		20
% Fine Gravel	ND	ND	%	NC		20
% Total Gravel	ND	ND	%	NC		20
% Coarse Sand	1.70	1.70	%	0		20
% Medium Sand	40.3	38.3	%	5		20
% Fine Sand	38.6	39.9	%	3		20
% Total Sand	80.6	79.9	%	1		20
% Total Fines	19.4	20.1	%	4		20

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1930717
Report Date: 07/31/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1930717-01A	Vial MeOH preserved	A	NA		3.2	Y	Absent		8260HLW-NH(14)
L1930717-01B	Vial water preserved	A	NA		3.2	Y	Absent	10-JUL-19 17:10	8260HLW-NH(14)
L1930717-01C	Vial water preserved	A	NA		3.2	Y	Absent	10-JUL-19 17:10	8260HLW-NH(14)
L1930717-01D	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L1930717-02A	Vial MeOH preserved	A	NA		3.2	Y	Absent		8260HLW-NH(14)
L1930717-02B	Vial water preserved	A	NA		3.2	Y	Absent	10-JUL-19 17:10	8260HLW-NH(14)
L1930717-02C	Vial water preserved	A	NA		3.2	Y	Absent	10-JUL-19 17:10	8260HLW-NH(14)
L1930717-02D	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L1930717-03A	Vial MeOH preserved	A	NA		3.2	Y	Absent		8260HLW-NH(14)
L1930717-03B	Vial water preserved	A	NA		3.2	Y	Absent	10-JUL-19 17:10	8260HLW-NH(14)
L1930717-03C	Vial water preserved	A	NA		3.2	Y	Absent	10-JUL-19 17:10	8260HLW-NH(14)
L1930717-03D	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L1930717-03E	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		A2-TOC-9060(28)
L1930717-03F	Plastic 8oz unpreserved for Grain Size	A	NA		3.2	Y	Absent		A2-HYDRO-TFINE(),A2-HYDRO-CGRAVEL(),A2-HYDRO-FSAND(),A2-HYDRO-MSAND(),A2-HYDRO-TGRAVEL(),A2-HYDRO-CSAND(),A2-HYDRO-TSAND(),A2-HYDRO-COBBLES(),A2-HYDRO-FGRAVEL()
L1930717-04A	Vial MeOH preserved	A	NA		3.2	Y	Absent		8260H-NH(14)
L1930717-04B	Vial water preserved	A	NA		3.2	Y	Absent	10-JUL-19 17:10	8260H-NH(14)
L1930717-04C	Vial water preserved	A	NA		3.2	Y	Absent	10-JUL-19 17:10	8260H-NH(14)
L1930717-04D	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L1930717-05A	Vial MeOH preserved	A	NA		3.2	Y	Absent		8260HLW-NH(14)
L1930717-05B	Vial water preserved	A	NA		3.2	Y	Absent	10-JUL-19 17:10	8260HLW-NH(14)
L1930717-05C	Vial water preserved	A	NA		3.2	Y	Absent	10-JUL-19 17:10	8260HLW-NH(14)

*Values in parentheses indicate holding time in days

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1930717
Report Date: 07/31/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1930717-05D	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L1930717-06D	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L1930717-06E	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		A2-TOC-9060(28)
L1930717-06F	Plastic 8oz unpreserved for Grain Size	A	NA		3.2	Y	Absent		A2-HYDRO-TFINE(),A2-HYDRO-CGRAVEL(),A2-HYDRO-FSAND(),A2-HYDRO-MSAND(),A2-HYDRO-TGRAVEL(),A2-HYDRO-CSAND(),A2-HYDRO-TSAND(),A2-HYDRO-COBBLES(),A2-HYDRO-FGRAVEL()
L1930717-07A	Vial MeOH preserved	A	NA		3.2	Y	Absent		8260HLW-NH(14)
L1930717-07B	Vial water preserved	A	NA		3.2	Y	Absent	10-JUL-19 17:10	8260HLW-NH(14)
L1930717-07C	Vial water preserved	A	NA		3.2	Y	Absent	10-JUL-19 17:10	8260HLW-NH(14)
L1930717-07D	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L1930717-08A	Vial MeOH preserved	A	NA		3.2	Y	Absent		8260HLW-NH(14)
L1930717-08B	Vial water preserved	A	NA		3.2	Y	Absent	10-JUL-19 17:10	8260HLW-NH(14)
L1930717-08C	Vial water preserved	A	NA		3.2	Y	Absent	10-JUL-19 17:10	8260HLW-NH(14)
L1930717-08D	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L1930717-09A	Vial MeOH preserved	A	NA		3.2	Y	Absent		8260H-NH(14),8260HLW-NH(14)
L1930717-09B	Vial water preserved	A	NA		3.2	Y	Absent	**10-JUL-19 17:10**	8260H-NH(14),8260HLW-NH(14)

*Values in parentheses indicate holding time in days

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1930717
Project Number:	0231841	**Report Date:**	07/31/19

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: Data Usability Report

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1930717
Project Number:	0231841	**Report Date:**	07/31/19

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: Data Usability Report

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1930717
Project Number:	0231841	**Report Date:**	07/31/19

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

12 Annual Book of ASTM Standards. (American Society for Testing and Materials) ASTM International.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

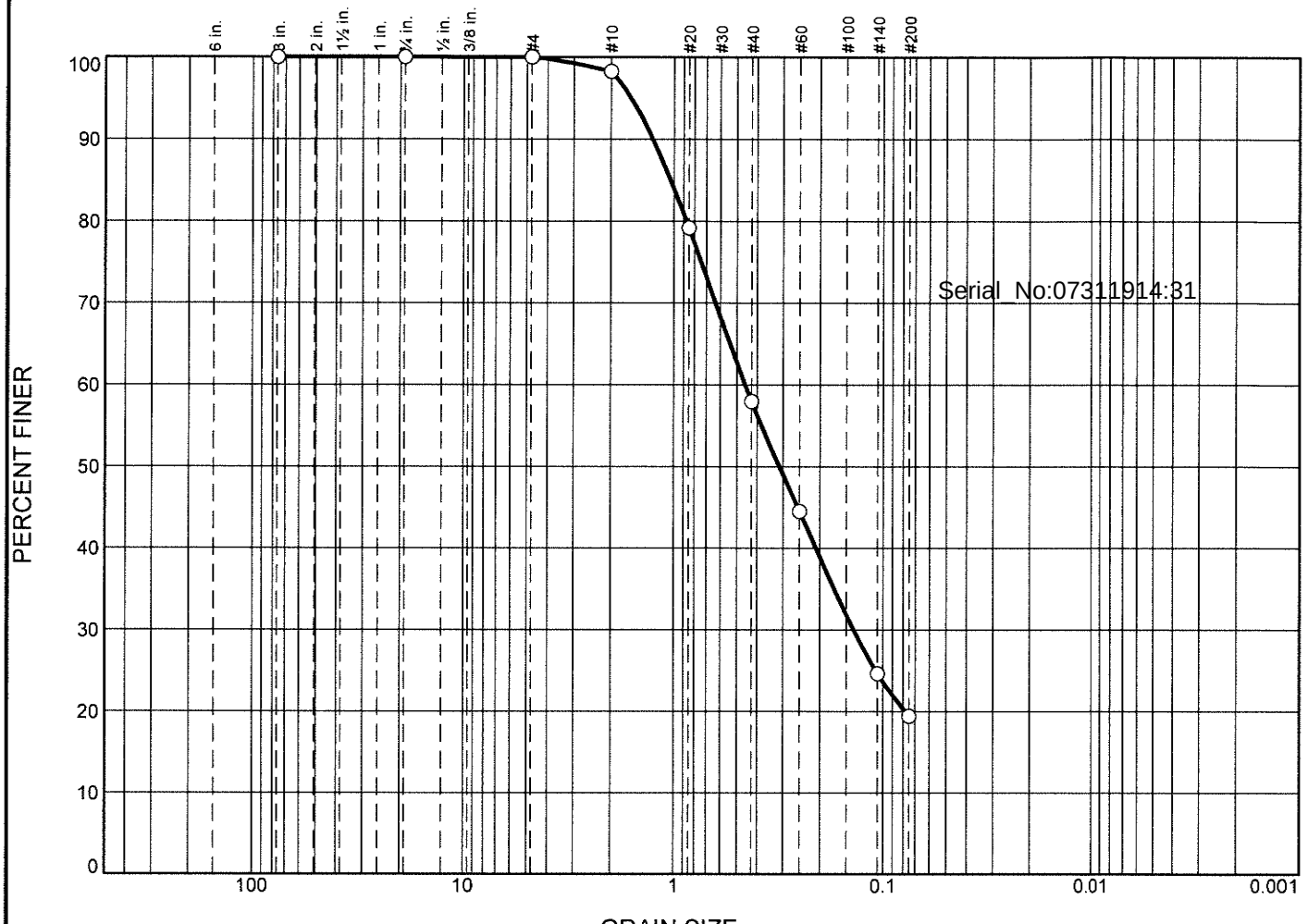
Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

ASTM D6913/D7928

GRAIN SIZE ANALYSIS

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	1.7	40.3	38.6	19.4	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				1.0403	0.4563	0.3125	0.1383				

Material Description	USCS	AASHTO
○		

Project No. **Client:**

Project:

○ **Source of Sample:** SB19-11 (10-12.2) **Sample Number:** L1930717-03

Date: ○

Alpha Analytical

Mansfield, MA

Remarks:

○ Sampled and Tested by MCH

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

7/30/2019

Location: SB19-11 (10-12.2)

Sample Number: L1930717-03

Testing Remarks: Sampled and Tested by MCH

Sieve Test Data

Post #200 Wash Test Weights (grams): **Dry Sample and Tare =** 97.31
Tare Wt. = 0.00
Minus #200 from wash = 0.0%

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer
97.31	0.00	3	0.00	0.00	100.0
		0.75	0.00	0.00	100.0
		#4	0.00	0.00	100.0
		#10	1.70	0.00	98.3
		#20	18.57	0.00	79.2
		#40	20.62	0.00	58.0
		#60	13.10	0.00	44.5
		#140	19.35	0.00	24.6
		#200	5.08	0.00	19.4

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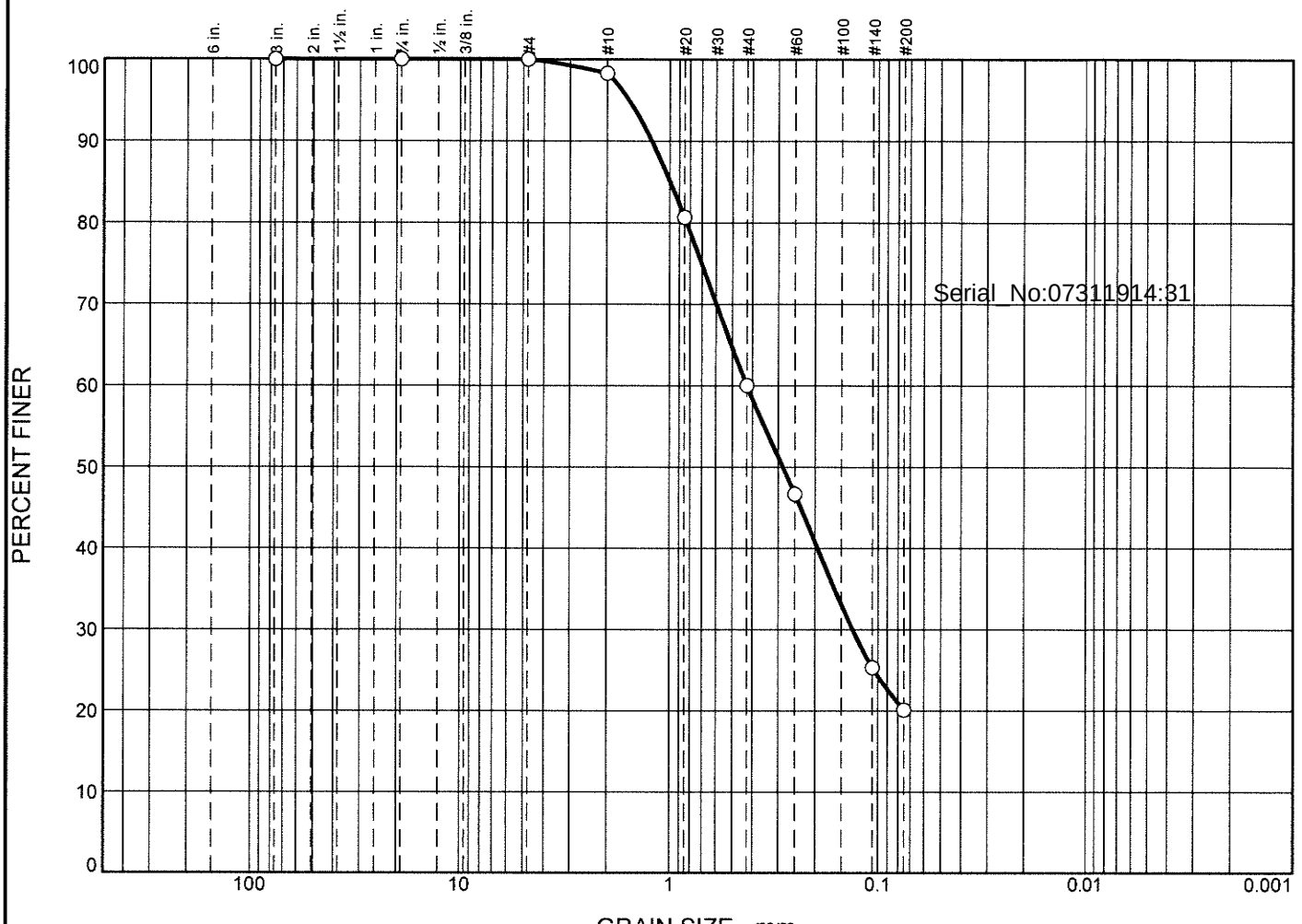
Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	0.0	0.0	1.7	40.3	38.6	80.6			19.4

D_5	D_{10}	D_{15}	D_{20}	D_{30}	D_{40}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
			0.0783	0.1383	0.2088	0.3125	0.4563	0.8739	1.0403	1.2636	1.6027

Fineness Modulus
1.64

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	1.7	38.3	39.9	20.1	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				0.9946	0.4247	0.2855	0.1322				

	Material Description	USCS	AASHTO
○			

Project No. **Client:**

Project:

○ **Source of Sample:** SB19-11 (10-12.2) **Sample Number:** WG1264165-1

Date: ○

Alpha Analytical

Mansfield, MA

Remarks:

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

7/30/2019

Location: SB19-11 (10-12.2)

Sample Number: WG1264165-1

Sieve Test Data

Post #200 Wash Test Weights (grams): **Dry Sample and Tare =** 95.07
Tare Wt. = 0.00
Minus #200 from wash = 0.0%

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer
95.07	0.00	3	0.00	0.00	100.0
		0.75	0.00	0.00	100.0
		#4	0.00	0.00	100.0
		#10	1.62	0.00	98.3
		#20	16.76	0.00	80.7
		#40	19.63	0.00	60.0
		#60	12.68	0.00	46.7
		#140	20.30	0.00	25.3
		#200	4.98	0.00	20.1

Serial_No:07311914:31

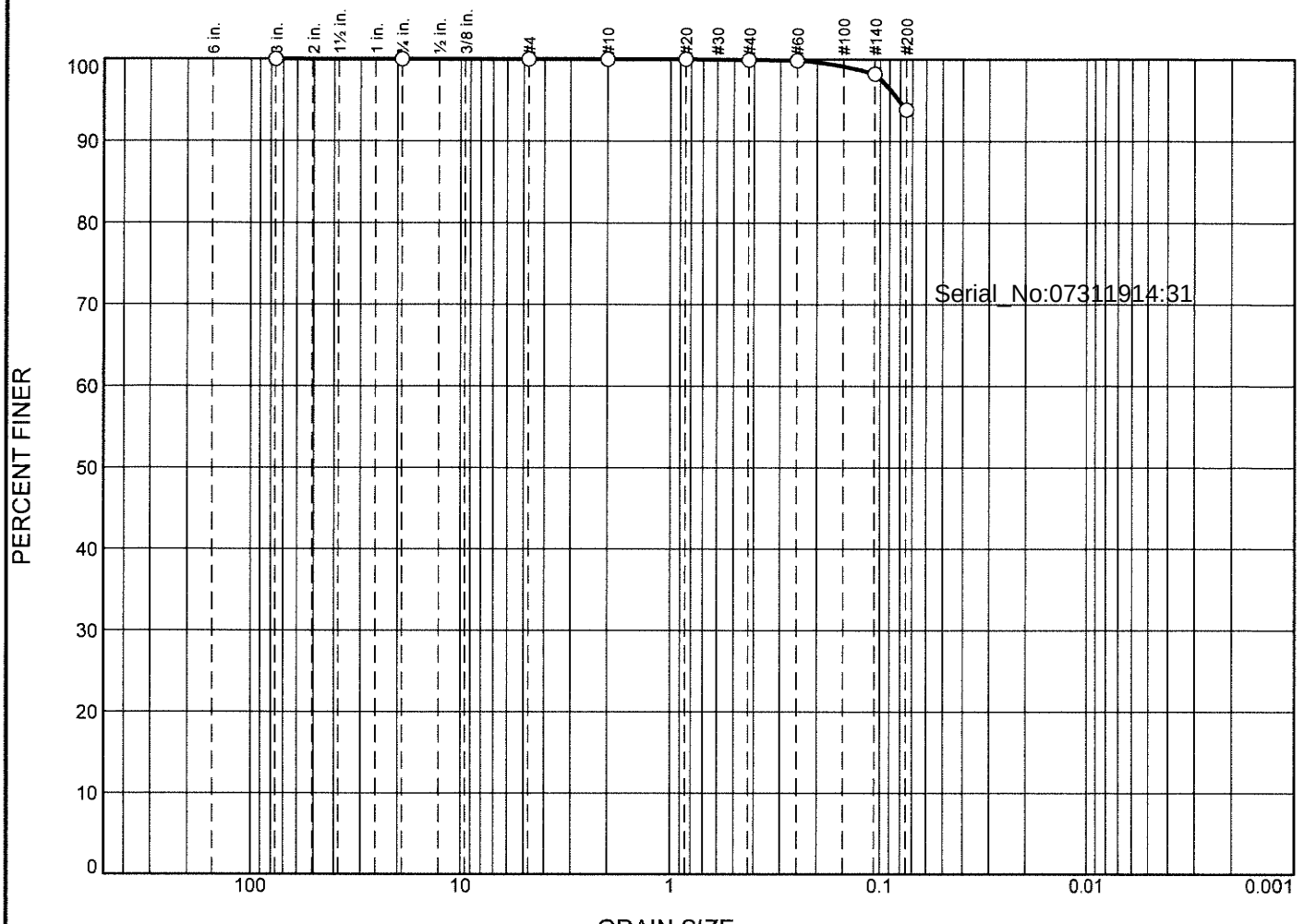
Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	0.0	0.0	1.7	38.3	39.9	79.9			20.1

D_5	D_{10}	D_{15}	D_{20}	D_{30}	D_{40}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
				0.1322	0.1945	0.2855	0.4247	0.8306	0.9946	1.2192	1.5689

Fineness Modulus
1.58

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	0.1	6.1	93.8	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○											

Material Description	USCS	AASHTO
○		

Project No. **Client:**

Project:

○ **Source of Sample:** SB19-12 (12.5-15) **Sample Number:** L1930717-06

Date: ○

Alpha Analytical

Mansfield, MA

Remarks:

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

7/30/2019

Location: SB19-12 (12.5-15)

Sample Number: L1930717-06

Sieve Test Data

Post #200 Wash Test Weights (grams): **Dry Sample and Tare =** 87.19
Tare Wt. = 0.00
Minus #200 from wash = 0.0%

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer
87.19	0.00	3	0.00	0.00	100.0
		0.75	0.00	0.00	100.0
		#4	0.00	0.00	100.0
		#10	0.00	0.00	100.0
		#20	0.00	0.00	100.0
		#40	0.06	0.00	99.9
		#60	0.05	0.00	99.9
		#140	1.44	0.00	98.2
		#200	3.83	0.00	93.8

Serial_No:07311914:31

Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	0.0	0.0	0.0	0.1	6.1	6.2			93.8

D_5	D_{10}	D_{15}	D_{20}	D_{30}	D_{40}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
											0.0814

Fineness Modulus
0.01

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 7/12/19

ALPHA Job #: L1930717

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Client Information

Client: Woodard & Curran
Address: 40 Shattuck Rd
Andover, MA
Phone: 978-482-7838
Email: Sdney@woodardcurran.com
Kelich@woodardcurran.com

Project Information

Project Name: Salem Former WWTF
Project Location: Salem, NH
Project #: 0231841
Project Manager: Jarrod Yoder
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due:

Report Information - Data Deliverables

☒ ADEx ☒ EMAIL

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements & Project Information Requirements

☐ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods
☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
☐ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)
☐ Yes ☐ No NPDES RGP
☐ Other State /Fed Program _____ Criteria _____

Additional Project Information:

NOC DI water preserved
frozen on 7/10/19 @ 1710

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	VOC: ☒8260 ☐624 ☐524.2	SVOC: ☐ABN ☐PAH	METALS: ☐MCP 13 ☐MCP 14 ☐RCP 15	METALS: ☐RCRA5 ☐RCRA8 ☐PP13	EPH: ☐Ranges & Targets ☐Ranges Only	VPH: ☐Ranges & Targets ☐Ranges Only	☐PCB ☐PEST	TPH: ☐Quant Only ☐Fingerprint	% Solids	TOC 9060	Grain Size	Sample Comments	TOTAL # BOTTLES
30717-01	SB19-10 (0-1.15)	9:00	7/10/19	Soil	CSM	X								X				4
-02	SB19-10 (17.5-20)	7/10/19	9:05	Soil	STO	X								X				4
-03	SB19-11 (10-12.2)	7/10/19	11:45	Soil	CSM	X								X	X	X		6
-04	SB19-11 (32-34)	7/10/19	11:50	Soil	CSM	X								X				4
-05	SB19-12 (0-1.9)	7/10/19	14:05	Soil	STO	X								X				4
-06	SB19-12 (12.5-15)	7/10/19	14:10	Soil	CSM									X	X	X		3
-07	SB19-12 (27.5-30)	7/10/19	14:15	Soil	STO	X								X				4
-08	SB19-13 (10-10.5)	7/10/19	15:30	Soil	STO	X								X				4
-09	Trip Blank	7/3/19	8:30	—	—	X												2

SAMPLE INFO
Filtration
☐ Field
☐ Lab to do
Preservation
☐ Lab to do

Container Type	V													P	A	P		
Preservative	F, O													A	A	A		

Container Type
P= Plastic
A= Amber glass
V= Vial
G= Glass
B= Bacteria cup
C= Cube
O= Other
E= Encore
D= BOD Bottle

Preservative
A= None
B= HCl
C= HNO_3
D= H_2SO_4
E= NaOH
F= MeOH
G= $NaHSO_4$
H = $Na_2S_2O_3$
I= Ascorbic Acid
J = NH_4Cl
K= Zn Acetate
O= Other

Relinquished By:	Date/Time	Received By:	Date/Time
T. Hunsiker	7/12 1500		7/12/19 1640
	7/12/19 1640		

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)

ANALYTICAL REPORT

Lab Number:	L1931284
Client:	Woodard & Curran 40 Shattuck Road Suite 110 Andover, MA 01810
ATTN:	Jarrod Yoder
Phone:	(978) 557-8150
Project Name:	SALEM FORMER WWTF
Project Number:	0231841
Report Date:	08/02/19

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1931284
Report Date: 08/02/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1931284-01	SB19-33 (15-17.25)	SOIL	SALEM, NH	07/16/19 08:35	07/16/19
L1931284-02	SB19-34 (20-22.5)	SOIL	SALEM, NH	07/16/19 11:30	07/16/19
L1931284-03	SB19-35 (22.25-24.5)	SOIL	SALEM, NH	07/16/19 13:08	07/16/19
L1931284-04	SB16-36 (16.75-18.5)	SOIL	SALEM, NH	07/16/19 14:47	07/16/19
L1931284-05	TRIP BLANK	WATER	SALEM, NH	07/03/19 08:38	07/16/19

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1931284
Project Number:	0231841	**Report Date:**	08/02/19

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1931284
Project Number:	0231841	**Report Date:**	08/02/19

Case Narrative (continued)

Report Submission

August 02, 2019: This final report includes the results of all requested analyses.

July 23, 2019: This is a preliminary report.

Grain Size Analysis

The WG1264229-1 Laboratory Duplicate RPD for % medium sand (120%), performed on L1931284-01, is outside the acceptance criteria. The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 08/02/19

ORGANICS

VOLATILES

Project Name: SALEM FORMER WWTF **Lab Number:** L1931284

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931284-01 Date Collected: 07/16/19 08:35
Client ID: SB19-33 (15-17.25) Date Received: 07/16/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/22/19 18:04
Analyst: MV
Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	280	--	1
1,1-Dichloroethane	ND		ug/kg	56	--	1
Chloroform	ND		ug/kg	84	--	1
Carbon tetrachloride	ND		ug/kg	56	--	1
1,2-Dichloropropane	ND		ug/kg	56	--	1
Dibromochloromethane	ND		ug/kg	56	--	1
1,1,2-Trichloroethane	ND		ug/kg	56	--	1
Tetrachloroethene	ND		ug/kg	28	--	1
Chlorobenzene	ND		ug/kg	28	--	1
Trichlorofluoromethane	ND		ug/kg	220	--	1
1,2-Dichloroethane	ND		ug/kg	56	--	1
1,1,1-Trichloroethane	71		ug/kg	28	--	1
Bromodichloromethane	ND		ug/kg	28	--	1
trans-1,3-Dichloropropene	ND		ug/kg	56	--	1
cis-1,3-Dichloropropene	ND		ug/kg	28	--	1
1,3-Dichloropropene, Total	ND		ug/kg	28	--	1
1,1-Dichloropropene	ND		ug/kg	28	--	1
Bromoform	ND		ug/kg	220	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	28	--	1
Benzene	ND		ug/kg	28	--	1
Toluene	ND		ug/kg	56	--	1
Ethylbenzene	ND		ug/kg	56	--	1
Chloromethane	ND		ug/kg	220	--	1
Bromomethane	ND		ug/kg	110	--	1
Vinyl chloride	180		ug/kg	56	--	1
Chloroethane	ND		ug/kg	110	--	1
1,1-Dichloroethene	ND		ug/kg	56	--	1
trans-1,2-Dichloroethene	ND		ug/kg	84	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1931284

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931284-01 Date Collected: 07/16/19 08:35

Client ID: SB19-33 (15-17.25) Date Received: 07/16/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	28	--	1
1,2-Dichlorobenzene	ND		ug/kg	110	--	1
1,3-Dichlorobenzene	ND		ug/kg	110	--	1
1,4-Dichlorobenzene	ND		ug/kg	110	--	1
Methyl tert butyl ether	ND		ug/kg	110	--	1
p/m-Xylene	ND		ug/kg	110	--	1
o-Xylene	ND		ug/kg	56	--	1
Xylenes, Total	ND		ug/kg	56	--	1
cis-1,2-Dichloroethene	1300		ug/kg	56	--	1
1,2-Dichloroethene, Total	1300		ug/kg	56	--	1
Dibromomethane	ND		ug/kg	110	--	1
1,2,3-Trichloropropane	ND		ug/kg	110	--	1
Styrene	ND		ug/kg	56	--	1
Dichlorodifluoromethane	ND		ug/kg	560	--	1
Acetone	ND		ug/kg	560	--	1
Carbon disulfide	ND		ug/kg	560	--	1
2-Butanone	ND		ug/kg	560	--	1
4-Methyl-2-pentanone	ND		ug/kg	560	--	1
2-Hexanone	ND		ug/kg	560	--	1
Bromochloromethane	ND		ug/kg	110	--	1
Tetrahydrofuran	ND		ug/kg	220	--	1
2,2-Dichloropropane	ND		ug/kg	110	--	1
1,2-Dibromoethane	ND		ug/kg	56	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	28	--	1
Bromobenzene	ND		ug/kg	110	--	1
n-Butylbenzene	ND		ug/kg	56	--	1
sec-Butylbenzene	ND		ug/kg	56	--	1
tert-Butylbenzene	ND		ug/kg	110	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	110	--	1
o-Chlorotoluene	ND		ug/kg	110	--	1
p-Chlorotoluene	ND		ug/kg	110	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	170	--	1
Hexachlorobutadiene	ND		ug/kg	220	--	1
Isopropylbenzene	ND		ug/kg	56	--	1
p-Isopropyltoluene	ND		ug/kg	56	--	1
Naphthalene	ND		ug/kg	220	--	1
n-Propylbenzene	ND		ug/kg	56	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1931284

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931284-01 Date Collected: 07/16/19 08:35

Client ID: SB19-33 (15-17.25) Date Received: 07/16/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	110	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	110	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	110	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	110	--	1
Ethyl ether	ND		ug/kg	110	--	1
Isopropyl Ether	ND		ug/kg	110	--	1
Tert-Butyl Alcohol	ND		ug/kg	1100	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	110	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	110	--	1
1,4-Dioxane	ND		ug/kg	4500	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	105		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1931284

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931284-02 Date Collected: 07/16/19 11:30
Client ID: SB19-34 (20-22.5) Date Received: 07/16/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/21/19 23:22
Analyst: JC
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.8	--	1
1,1-Dichloroethane	ND		ug/kg	0.76	--	1
Chloroform	ND		ug/kg	1.1	--	1
Carbon tetrachloride	ND		ug/kg	0.76	--	1
1,2-Dichloropropane	ND		ug/kg	0.76	--	1
Dibromochloromethane	ND		ug/kg	0.76	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.76	--	1
Tetrachloroethene	0.60		ug/kg	0.38	--	1
Chlorobenzene	ND		ug/kg	0.38	--	1
Trichlorofluoromethane	ND		ug/kg	3.0	--	1
1,2-Dichloroethane	ND		ug/kg	0.76	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.38	--	1
Bromodichloromethane	ND		ug/kg	0.38	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.76	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.38	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.38	--	1
1,1-Dichloropropene	ND		ug/kg	0.38	--	1
Bromoform	ND		ug/kg	3.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.38	--	1
Benzene	ND		ug/kg	0.38	--	1
Toluene	ND		ug/kg	0.76	--	1
Ethylbenzene	5.7		ug/kg	0.76	--	1
Chloromethane	ND		ug/kg	3.0	--	1
Bromomethane	ND		ug/kg	1.5	--	1
Vinyl chloride	ND		ug/kg	0.76	--	1
Chloroethane	ND		ug/kg	1.5	--	1
1,1-Dichloroethene	ND		ug/kg	0.76	--	1
trans-1,2-Dichloroethene	1.8		ug/kg	1.1	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1931284

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931284-02 Date Collected: 07/16/19 11:30

Client ID: SB19-34 (20-22.5) Date Received: 07/16/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	1.0		ug/kg	0.38	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.5	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.5	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.5	--	1
Methyl tert butyl ether	ND		ug/kg	1.5	--	1
p/m-Xylene	ND		ug/kg	1.5	--	1
o-Xylene	ND		ug/kg	0.76	--	1
Xylenes, Total	ND		ug/kg	0.76	--	1
cis-1,2-Dichloroethene	80		ug/kg	0.76	--	1
1,2-Dichloroethene, Total	82		ug/kg	0.76	--	1
Dibromomethane	ND		ug/kg	1.5	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.5	--	1
Styrene	ND		ug/kg	0.76	--	1
Dichlorodifluoromethane	ND		ug/kg	7.6	--	1
Acetone	ND		ug/kg	7.6	--	1
Carbon disulfide	ND		ug/kg	7.6	--	1
2-Butanone	ND		ug/kg	7.6	--	1
4-Methyl-2-pentanone	ND		ug/kg	7.6	--	1
2-Hexanone	ND		ug/kg	7.6	--	1
Bromochloromethane	ND		ug/kg	1.5	--	1
Tetrahydrofuran	ND		ug/kg	3.0	--	1
2,2-Dichloropropane	ND		ug/kg	1.5	--	1
1,2-Dibromoethane	ND		ug/kg	0.76	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.38	--	1
Bromobenzene	ND		ug/kg	1.5	--	1
n-Butylbenzene	ND		ug/kg	0.76	--	1
sec-Butylbenzene	ND		ug/kg	0.76	--	1
tert-Butylbenzene	ND		ug/kg	1.5	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.5	--	1
o-Chlorotoluene	ND		ug/kg	1.5	--	1
p-Chlorotoluene	ND		ug/kg	1.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.3	--	1
Hexachlorobutadiene	ND		ug/kg	3.0	--	1
Isopropylbenzene	ND		ug/kg	0.76	--	1
p-Isopropyltoluene	ND		ug/kg	0.76	--	1
Naphthalene	ND		ug/kg	3.0	--	1
n-Propylbenzene	ND		ug/kg	0.76	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1931284

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931284-02 Date Collected: 07/16/19 11:30

Client ID: SB19-34 (20-22.5) Date Received: 07/16/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.5	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.5	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.5	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.5	--	1
Ethyl ether	ND		ug/kg	1.5	--	1
Isopropyl Ether	ND		ug/kg	1.5	--	1
Tert-Butyl Alcohol	ND		ug/kg	15	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.5	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.5	--	1
1,4-Dioxane	ND		ug/kg	60	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	102		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1931284

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931284-03 Date Collected: 07/16/19 13:08
Client ID: SB19-35 (22.25-24.5) Date Received: 07/16/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/22/19 08:28
Analyst: MV
Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.9	--	1
1,1-Dichloroethane	ND		ug/kg	0.78	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.78	--	1
1,2-Dichloropropane	ND		ug/kg	0.78	--	1
Dibromochloromethane	ND		ug/kg	0.78	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.78	--	1
Tetrachloroethene	0.55		ug/kg	0.39	--	1
Chlorobenzene	ND		ug/kg	0.39	--	1
Trichlorofluoromethane	ND		ug/kg	3.1	--	1
1,2-Dichloroethane	ND		ug/kg	0.78	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.39	--	1
Bromodichloromethane	ND		ug/kg	0.39	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.78	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.39	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.39	--	1
1,1-Dichloropropene	ND		ug/kg	0.39	--	1
Bromoform	ND		ug/kg	3.1	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.39	--	1
Benzene	ND		ug/kg	0.39	--	1
Toluene	ND		ug/kg	0.78	--	1
Ethylbenzene	13		ug/kg	0.78	--	1
Chloromethane	ND		ug/kg	3.1	--	1
Bromomethane	ND		ug/kg	1.6	--	1
Vinyl chloride	ND		ug/kg	0.78	--	1
Chloroethane	ND		ug/kg	1.6	--	1
1,1-Dichloroethene	ND		ug/kg	0.78	--	1
trans-1,2-Dichloroethene	2.7		ug/kg	1.2	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1931284

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931284-03 Date Collected: 07/16/19 13:08

Client ID: SB19-35 (22.25-24.5) Date Received: 07/16/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	2.5		ug/kg	0.39	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.6	--	1
Methyl tert butyl ether	ND		ug/kg	1.6	--	1
p/m-Xylene	9.1		ug/kg	1.6	--	1
o-Xylene	ND		ug/kg	0.78	--	1
Xylenes, Total	9.1		ug/kg	0.78	--	1
cis-1,2-Dichloroethene	110		ug/kg	0.78	--	1
1,2-Dichloroethene, Total	110		ug/kg	0.78	--	1
Dibromomethane	ND		ug/kg	1.6	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.6	--	1
Styrene	ND		ug/kg	0.78	--	1
Dichlorodifluoromethane	ND		ug/kg	7.8	--	1
Acetone	ND		ug/kg	7.8	--	1
Carbon disulfide	ND		ug/kg	7.8	--	1
2-Butanone	ND		ug/kg	7.8	--	1
4-Methyl-2-pentanone	ND		ug/kg	7.8	--	1
2-Hexanone	ND		ug/kg	7.8	--	1
Bromochloromethane	ND		ug/kg	1.6	--	1
Tetrahydrofuran	ND		ug/kg	3.1	--	1
2,2-Dichloropropane	ND		ug/kg	1.6	--	1
1,2-Dibromoethane	ND		ug/kg	0.78	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.39	--	1
Bromobenzene	ND		ug/kg	1.6	--	1
n-Butylbenzene	ND		ug/kg	0.78	--	1
sec-Butylbenzene	ND		ug/kg	0.78	--	1
tert-Butylbenzene	ND		ug/kg	1.6	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.6	--	1
o-Chlorotoluene	ND		ug/kg	1.6	--	1
p-Chlorotoluene	ND		ug/kg	1.6	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.3	--	1
Hexachlorobutadiene	ND		ug/kg	3.1	--	1
Isopropylbenzene	ND		ug/kg	0.78	--	1
p-Isopropyltoluene	ND		ug/kg	0.78	--	1
Naphthalene	ND		ug/kg	3.1	--	1
n-Propylbenzene	ND		ug/kg	0.78	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1931284

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931284-03 Date Collected: 07/16/19 13:08

Client ID: SB19-35 (22.25-24.5) Date Received: 07/16/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.6	--	1
1,2,4-Trimethylbenzene	1.6		ug/kg	1.6	--	1
Ethyl ether	ND		ug/kg	1.6	--	1
Isopropyl Ether	ND		ug/kg	1.6	--	1
Tert-Butyl Alcohol	ND		ug/kg	16	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.6	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.6	--	1
1,4-Dioxane	ND		ug/kg	62	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	96		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1931284

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931284-04 Date Collected: 07/16/19 14:47
Client ID: SB16-36 (16.75-18.5) Date Received: 07/16/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/22/19 08:54
Analyst: MV
Percent Solids: 75%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.2	--	1
1,1-Dichloroethane	ND		ug/kg	0.63	--	1
Chloroform	ND		ug/kg	0.95	--	1
Carbon tetrachloride	ND		ug/kg	0.63	--	1
1,2-Dichloropropane	ND		ug/kg	0.63	--	1
Dibromochloromethane	ND		ug/kg	0.63	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.63	--	1
Tetrachloroethene	ND		ug/kg	0.32	--	1
Chlorobenzene	ND		ug/kg	0.32	--	1
Trichlorofluoromethane	ND		ug/kg	2.5	--	1
1,2-Dichloroethane	ND		ug/kg	0.63	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.32	--	1
Bromodichloromethane	ND		ug/kg	0.32	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.63	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.32	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.32	--	1
1,1-Dichloropropene	ND		ug/kg	0.32	--	1
Bromoform	ND		ug/kg	2.5	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.32	--	1
Benzene	ND		ug/kg	0.32	--	1
Toluene	ND		ug/kg	0.63	--	1
Ethylbenzene	ND		ug/kg	0.63	--	1
Chloromethane	ND		ug/kg	2.5	--	1
Bromomethane	ND		ug/kg	1.3	--	1
Vinyl chloride	ND		ug/kg	0.63	--	1
Chloroethane	ND		ug/kg	1.3	--	1
1,1-Dichloroethene	ND		ug/kg	0.63	--	1
trans-1,2-Dichloroethene	ND		ug/kg	0.95	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1931284

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931284-04 Date Collected: 07/16/19 14:47

Client ID: SB16-36 (16.75-18.5) Date Received: 07/16/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.66		ug/kg	0.32	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.3	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.3	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.3	--	1
Methyl tert butyl ether	ND		ug/kg	1.3	--	1
p/m-Xylene	ND		ug/kg	1.3	--	1
o-Xylene	ND		ug/kg	0.63	--	1
Xylenes, Total	ND		ug/kg	0.63	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.63	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.63	--	1
Dibromomethane	ND		ug/kg	1.3	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.3	--	1
Styrene	ND		ug/kg	0.63	--	1
Dichlorodifluoromethane	ND		ug/kg	6.3	--	1
Acetone	6.3		ug/kg	6.3	--	1
Carbon disulfide	ND		ug/kg	6.3	--	1
2-Butanone	ND		ug/kg	6.3	--	1
4-Methyl-2-pentanone	ND		ug/kg	6.3	--	1
2-Hexanone	ND		ug/kg	6.3	--	1
Bromochloromethane	ND		ug/kg	1.3	--	1
Tetrahydrofuran	ND		ug/kg	2.5	--	1
2,2-Dichloropropane	ND		ug/kg	1.3	--	1
1,2-Dibromoethane	ND		ug/kg	0.63	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.32	--	1
Bromobenzene	ND		ug/kg	1.3	--	1
n-Butylbenzene	ND		ug/kg	0.63	--	1
sec-Butylbenzene	ND		ug/kg	0.63	--	1
tert-Butylbenzene	ND		ug/kg	1.3	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.3	--	1
o-Chlorotoluene	ND		ug/kg	1.3	--	1
p-Chlorotoluene	ND		ug/kg	1.3	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	1.9	--	1
Hexachlorobutadiene	ND		ug/kg	2.5	--	1
Isopropylbenzene	ND		ug/kg	0.63	--	1
p-Isopropyltoluene	ND		ug/kg	0.63	--	1
Naphthalene	ND		ug/kg	2.5	--	1
n-Propylbenzene	ND		ug/kg	0.63	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1931284

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931284-04 Date Collected: 07/16/19 14:47

Client ID: SB16-36 (16.75-18.5) Date Received: 07/16/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.3	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.3	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.3	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.3	--	1
Ethyl ether	ND		ug/kg	1.3	--	1
Isopropyl Ether	ND		ug/kg	1.3	--	1
Tert-Butyl Alcohol	ND		ug/kg	13	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.3	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.3	--	1
1,4-Dioxane	ND		ug/kg	51	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	97		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1931284

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931284-05 Date Collected: 07/03/19 08:38
Client ID: TRIP BLANK Date Received: 07/16/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/19/19 12:12
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1931284

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931284-05 Date Collected: 07/03/19 08:38

Client ID: TRIP BLANK Date Received: 07/16/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethene, Total	ND		ug/l	0.50	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1931284

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931284-05 Date Collected: 07/03/19 08:38

Client ID: TRIP BLANK Date Received: 07/16/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,3,5-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
Isopropyl Ether	ND		ug/l	2.0	--	1
Tert-Butyl Alcohol	ND		ug/l	10	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	101		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1931284

Project Number: 0231841 **Report Date:** 08/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/19/19 08:56
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1262843-5					
Methylene chloride	ND		ug/l	3.0	--
1,1-Dichloroethane	ND		ug/l	0.75	--
Chloroform	ND		ug/l	0.75	--
Carbon tetrachloride	ND		ug/l	0.50	--
1,2-Dichloropropane	ND		ug/l	1.8	--
Dibromochloromethane	ND		ug/l	0.50	--
1,1,2-Trichloroethane	ND		ug/l	0.75	--
Tetrachloroethene	ND		ug/l	0.50	--
Chlorobenzene	ND		ug/l	0.50	--
Trichlorofluoromethane	ND		ug/l	2.5	--
1,2-Dichloroethane	ND		ug/l	0.50	--
1,1,1-Trichloroethane	ND		ug/l	0.50	--
Bromodichloromethane	ND		ug/l	0.50	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,3-Dichloropropene, Total	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.5	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	0.75	--
Ethylbenzene	ND		ug/l	0.50	--
Chloromethane	ND		ug/l	2.5	--
Bromomethane	ND		ug/l	1.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	1.0	--
1,1-Dichloroethene	ND		ug/l	0.50	--
trans-1,2-Dichloroethene	ND		ug/l	0.75	--
1,2-Dichloroethene, Total	ND		ug/l	0.50	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1931284

Project Number: 0231841 **Report Date:** 08/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/19/19 08:56
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1262843-5					
Trichloroethene	ND		ug/l	0.50	--
1,2-Dichlorobenzene	ND		ug/l	2.5	--
1,3-Dichlorobenzene	ND		ug/l	2.5	--
1,4-Dichlorobenzene	ND		ug/l	2.5	--
Methyl tert butyl ether	ND		ug/l	1.0	--
p/m-Xylene	ND		ug/l	1.0	--
o-Xylene	ND		ug/l	1.0	--
Xylenes, Total	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	0.50	--
Dibromomethane	ND		ug/l	5.0	--
1,2,3-Trichloropropane	ND		ug/l	5.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	5.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	5.0	--
2-Butanone	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.5	--
Tetrahydrofuran	ND		ug/l	5.0	--
2,2-Dichloropropane	ND		ug/l	2.5	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--
Bromobenzene	ND		ug/l	2.5	--
n-Butylbenzene	ND		ug/l	0.50	--
sec-Butylbenzene	ND		ug/l	0.50	--
tert-Butylbenzene	ND		ug/l	2.5	--
o-Chlorotoluene	ND		ug/l	2.5	--
p-Chlorotoluene	ND		ug/l	2.5	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1931284

Project Number: 0231841 **Report Date:** 08/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/19/19 08:56
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1262843-5					
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--
Hexachlorobutadiene	ND		ug/l	0.50	--
Isopropylbenzene	ND		ug/l	0.50	--
p-Isopropyltoluene	ND		ug/l	0.50	--
Naphthalene	ND		ug/l	2.5	--
n-Propylbenzene	ND		ug/l	0.50	--
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--
1,3,5-Trichlorobenzene	ND		ug/l	2.0	--
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--
Ethyl ether	ND		ug/l	2.5	--
Isopropyl Ether	ND		ug/l	2.0	--
Tert-Butyl Alcohol	ND		ug/l	10	--
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--
1,4-Dioxane	ND		ug/l	250	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	103		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1931284

Project Number: 0231841 **Report Date:** 08/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/21/19 15:55
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02 Batch: WG1262880-5					
Methylene chloride	ND		ug/kg	5.0	--
1,1-Dichloroethane	ND		ug/kg	1.0	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	1.0	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.0	--
Tetrachloroethene	ND		ug/kg	0.50	--
Chlorobenzene	ND		ug/kg	0.50	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	0.50	--
Bromodichloromethane	ND		ug/kg	0.50	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--
1,1-Dichloropropene	ND		ug/kg	0.50	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--
Benzene	ND		ug/kg	0.50	--
Toluene	ND		ug/kg	1.0	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	1.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	0.50	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1931284

Project Number: 0231841 **Report Date:** 08/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/21/19 15:55
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02 Batch: WG1262880-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	--
1,3-Dichlorobenzene	ND		ug/kg	2.0	--
1,4-Dichlorobenzene	ND		ug/kg	2.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	1.0	--
Xylenes, Total	ND		ug/kg	1.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	2.0	--
1,2,3-Trichloropropane	ND		ug/kg	2.0	--
Styrene	ND		ug/kg	1.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	10	--
Carbon disulfide	ND		ug/kg	10	--
2-Butanone	ND		ug/kg	10	--
4-Methyl-2-pentanone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Bromochloromethane	ND		ug/kg	2.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	2.0	--
1,2-Dibromoethane	ND		ug/kg	1.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--
Bromobenzene	ND		ug/kg	2.0	--
n-Butylbenzene	ND		ug/kg	1.0	--
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	2.0	--
1,3,5-Trichlorobenzene	ND		ug/kg	2.0	--
o-Chlorotoluene	ND		ug/kg	2.0	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1931284

Project Number: 0231841 **Report Date:** 08/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/21/19 15:55
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02 Batch: WG1262880-5					
p-Chlorotoluene	ND		ug/kg	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--
Ethyl ether	ND		ug/kg	2.0	--
Isopropyl Ether	ND		ug/kg	2.0	--
Tert-Butyl Alcohol	ND		ug/kg	20	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--
1,4-Dioxane	ND		ug/kg	80	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	100		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1931284

Project Number: 0231841 **Report Date:** 08/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/22/19 07:36
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03-04 Batch: WG1262999-5					
Methylene chloride	ND		ug/kg	5.0	--
1,1-Dichloroethane	ND		ug/kg	1.0	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	1.0	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.0	--
Tetrachloroethene	ND		ug/kg	0.50	--
Chlorobenzene	ND		ug/kg	0.50	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	0.50	--
Bromodichloromethane	ND		ug/kg	0.50	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--
1,1-Dichloropropene	ND		ug/kg	0.50	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--
Benzene	ND		ug/kg	0.50	--
Toluene	ND		ug/kg	1.0	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	1.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	0.50	--

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1931284
Report Date: 08/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/22/19 07:36
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03-04 Batch: WG1262999-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	--
1,3-Dichlorobenzene	ND		ug/kg	2.0	--
1,4-Dichlorobenzene	ND		ug/kg	2.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	1.0	--
Xylenes, Total	ND		ug/kg	1.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	2.0	--
1,2,3-Trichloropropane	ND		ug/kg	2.0	--
Styrene	ND		ug/kg	1.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	10	--
Carbon disulfide	ND		ug/kg	10	--
2-Butanone	ND		ug/kg	10	--
4-Methyl-2-pentanone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Bromochloromethane	ND		ug/kg	2.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	2.0	--
1,2-Dibromoethane	ND		ug/kg	1.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--
Bromobenzene	ND		ug/kg	2.0	--
n-Butylbenzene	ND		ug/kg	1.0	--
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	2.0	--
1,3,5-Trichlorobenzene	ND		ug/kg	2.0	--
o-Chlorotoluene	ND		ug/kg	2.0	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1931284

Project Number: 0231841 **Report Date:** 08/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/22/19 07:36
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03-04 Batch: WG1262999-5					
p-Chlorotoluene	ND		ug/kg	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--
Ethyl ether	ND		ug/kg	2.0	--
Isopropyl Ether	ND		ug/kg	2.0	--
Tert-Butyl Alcohol	ND		ug/kg	20	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--
1,4-Dioxane	ND		ug/kg	80	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	95		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1931284

Project Number: 0231841 **Report Date:** 08/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/22/19 16:46
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG1263180-5					
Methylene chloride	ND		ug/kg	250	--
1,1-Dichloroethane	ND		ug/kg	50	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	50	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	50	--
Tetrachloroethene	ND		ug/kg	25	--
Chlorobenzene	ND		ug/kg	25	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	25	--
Bromodichloromethane	ND		ug/kg	25	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	25	--
1,3-Dichloropropene, Total	ND		ug/kg	25	--
1,1-Dichloropropene	ND		ug/kg	25	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	--
Benzene	ND		ug/kg	25	--
Toluene	ND		ug/kg	50	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	50	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	25	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1931284

Project Number: 0231841 **Report Date:** 08/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/22/19 16:46
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG1263180-5					
1,2-Dichlorobenzene	ND		ug/kg	100	--
1,3-Dichlorobenzene	ND		ug/kg	100	--
1,4-Dichlorobenzene	ND		ug/kg	100	--
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	50	--
Xylenes, Total	ND		ug/kg	50	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
1,2-Dichloroethene, Total	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	100	--
1,2,3-Trichloropropane	ND		ug/kg	100	--
Styrene	ND		ug/kg	50	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	500	--
Carbon disulfide	ND		ug/kg	500	--
2-Butanone	ND		ug/kg	500	--
4-Methyl-2-pentanone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	100	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	100	--
1,2-Dibromoethane	ND		ug/kg	50	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	--
Bromobenzene	ND		ug/kg	100	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	100	--
1,3,5-Trichlorobenzene	ND		ug/kg	100	--
o-Chlorotoluene	ND		ug/kg	100	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1931284

Project Number: 0231841 **Report Date:** 08/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/22/19 16:46
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG1263180-5					
p-Chlorotoluene	ND		ug/kg	100	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--
1,2,3-Trichlorobenzene	ND		ug/kg	100	--
1,2,4-Trichlorobenzene	ND		ug/kg	100	--
1,3,5-Trimethylbenzene	ND		ug/kg	100	--
1,2,4-Trimethylbenzene	ND		ug/kg	100	--
Ethyl ether	ND		ug/kg	100	--
Isopropyl Ether	ND		ug/kg	100	--
Tert-Butyl Alcohol	ND		ug/kg	1000	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	100	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	100	--
1,4-Dioxane	ND		ug/kg	4000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	104		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1931284
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1262843-3 WG1262843-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	96		98		70-130	2		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	100		110		63-132	10		20
1,2-Dichloropropane	93		96		70-130	3		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	97		100		70-130	3		20
Chlorobenzene	100		100		75-130	0		25
Trichlorofluoromethane	97		100		62-150	3		20
1,2-Dichloroethane	94		98		70-130	4		20
1,1,1-Trichloroethane	98		100		67-130	2		20
Bromodichloromethane	98		100		67-130	2		20
trans-1,3-Dichloropropene	100		110		70-130	10		20
cis-1,3-Dichloropropene	82		92		70-130	11		20
1,1-Dichloropropene	95		100		70-130	5		20
Bromoform	99		100		54-136	1		20
1,1,2,2-Tetrachloroethane	110		110		67-130	0		20
Benzene	100		110		70-130	10		25
Toluene	100		100		70-130	0		25
Ethylbenzene	100		100		70-130	0		20
Chloromethane	78		87		64-130	11		20
Bromomethane	53		73		39-139	**32**	Q	20

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1931284
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1262843-3 WG1262843-4								
Vinyl chloride	86		92		55-140	7		20
Chloroethane	93		97		55-138	4		20
1,1-Dichloroethene	100		100		61-145	0		25
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	100		110		70-130	10		25
1,2-Dichlorobenzene	99		100		70-130	1		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	110		110		63-130	0		20
p/m-Xylene	100		105		70-130	5		20
o-Xylene	100		105		70-130	5		20
cis-1,2-Dichloroethene	100		110		70-130	10		20
Dibromomethane	97		99		70-130	2		20
1,2,3-Trichloropropane	110		110		64-130	0		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	98		110		36-147	12		20
Acetone	110		110		58-148	0		20
Carbon disulfide	100		100		51-130	0		20
2-Butanone	100		100		63-138	0		20
4-Methyl-2-pentanone	98		110		59-130	12		20
2-Hexanone	91		91		57-130	0		20
Bromochloromethane	100		100		70-130	0		20
Tetrahydrofuran	95		100		58-130	5		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1931284
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1262843-3 WG1262843-4								
2,2-Dichloropropane	110		110		63-133	0		20
1,2-Dibromoethane	100		100		70-130	0		20
1,1,1,2-Tetrachloroethane	96		100		64-130	4		20
Bromobenzene	100		100		70-130	0		20
n-Butylbenzene	100		100		53-136	0		20
sec-Butylbenzene	75		82		70-130	9		20
tert-Butylbenzene	100		100		70-130	0		20
o-Chlorotoluene	100		110		70-130	10		20
p-Chlorotoluene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	100		110		41-144	10		20
Hexachlorobutadiene	97		98		63-130	1		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	100		110		70-130	10		20
Naphthalene	100		100		70-130	0		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	97		100		70-130	3		20
1,2,4-Trichlorobenzene	98		100		70-130	2		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,3,5-Trichlorobenzene	100		100		70-130	0		20
1,2,4-Trimethylbenzene	100		110		70-130	10		20
Ethyl ether	110		100		59-134	10		20
Isopropyl Ether	89		92		70-130	3		20
Tert-Butyl Alcohol	**134**	Q	**140**	Q	70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1931284
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1262843-3 WG1262843-4								
Ethyl-Tert-Butyl-Ether	97		100		70-130	3		20
Tertiary-Amyl Methyl Ether	97		100		66-130	3		20
1,4-Dioxane	**168**	Q	**166**	Q	56-162	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		104		70-130
Toluene-d8	101		100		70-130
4-Bromofluorobenzene	101		96		70-130
Dibromofluoromethane	98		102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1931284
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02 Batch: WG1262880-3 WG1262880-4								
Methylene chloride	112		112		70-130	0		30
1,1-Dichloroethane	130		**132**	Q	70-130	2		30
Chloroform	114		118		70-130	3		30
Carbon tetrachloride	98		100		70-130	2		30
1,2-Dichloropropane	130		**132**	Q	70-130	2		30
Dibromochloromethane	92		93		70-130	1		30
1,1,2-Trichloroethane	107		108		70-130	1		30
Tetrachloroethene	90		92		70-130	2		30
Chlorobenzene	101		103		70-130	2		30
Trichlorofluoromethane	88		89		70-139	1		30
1,2-Dichloroethane	121		124		70-130	2		30
1,1,1-Trichloroethane	106		109		70-130	3		30
Bromodichloromethane	107		108		70-130	1		30
trans-1,3-Dichloropropene	108		107		70-130	1		30
cis-1,3-Dichloropropene	114		116		70-130	2		30
1,1-Dichloropropene	118		118		70-130	0		30
Bromoform	82		81		70-130	1		30
1,1,2,2-Tetrachloroethane	111		112		70-130	1		30
Benzene	116		119		70-130	3		30
Toluene	108		109		70-130	1		30
Ethylbenzene	110		112		70-130	2		30
Chloromethane	**156**	Q	**159**	Q	52-130	2		30
Bromomethane	147		**150**	Q	57-147	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1931284
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02 Batch: WG1262880-3 WG1262880-4								
Vinyl chloride	127		129		67-130	2		30
Chloroethane	95		96		50-151	1		30
1,1-Dichloroethene	109		110		65-135	1		30
trans-1,2-Dichloroethene	109		111		70-130	2		30
Trichloroethene	105		105		70-130	0		30
1,2-Dichlorobenzene	100		99		70-130	1		30
1,3-Dichlorobenzene	99		100		70-130	1		30
1,4-Dichlorobenzene	98		99		70-130	1		30
Methyl tert butyl ether	112		114		66-130	2		30
p/m-Xylene	100		104		70-130	4		30
o-Xylene	100		101		70-130	1		30
cis-1,2-Dichloroethene	111		114		70-130	3		30
Dibromomethane	108		110		70-130	2		30
1,2,3-Trichloropropane	113		111		68-130	2		30
Styrene	99		100		70-130	1		30
Dichlorodifluoromethane	110		111		30-146	1		30
Acetone	**182**	Q	**172**	Q	54-140	6		30
Carbon disulfide	116		117		59-130	1		30
2-Butanone	**133**	Q	124		70-130	7		30
4-Methyl-2-pentanone	116		115		70-130	1		30
2-Hexanone	125		124		70-130	1		30
Bromochloromethane	103		103		70-130	0		30
Tetrahydrofuran	**152**	Q	**151**	Q	66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1931284
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02 Batch: WG1262880-3 WG1262880-4								
2,2-Dichloropropane	110		110		70-130	0		30
1,2-Dibromoethane	102		103		70-130	1		30
1,1,1,2-Tetrachloroethane	91		92		70-130	1		30
Bromobenzene	96		98		70-130	2		30
n-Butylbenzene	115		116		70-130	1		30
sec-Butylbenzene	109		110		70-130	1		30
tert-Butylbenzene	105		106		70-130	1		30
1,3,5-Trichlorobenzene	91		93		70-139	2		30
o-Chlorotoluene	117		116		70-130	1		30
p-Chlorotoluene	113		113		70-130	0		30
1,2-Dibromo-3-chloropropane	83		82		68-130	1		30
Hexachlorobutadiene	87		87		67-130	0		30
Isopropylbenzene	110		111		70-130	1		30
p-Isopropyltoluene	104		106		70-130	2		30
Naphthalene	97		96		70-130	1		30
n-Propylbenzene	114		115		70-130	1		30
1,2,3-Trichlorobenzene	90		91		70-130	1		30
1,2,4-Trichlorobenzene	90		90		70-130	0		30
1,3,5-Trimethylbenzene	109		110		70-130	1		30
1,2,4-Trimethylbenzene	109		109		70-130	0		30
Ethyl ether	120		121		67-130	1		30
Isopropyl Ether	**144**	Q	**147**	Q	66-130	2		30
Tert-Butyl Alcohol	109		108		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1931284
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02 Batch: WG1262880-3 WG1262880-4								
Ethyl-Tert-Butyl-Ether	122		124		70-130	2		30
Tertiary-Amyl Methyl Ether	108		107		70-130	1		30
1,4-Dioxane	88		83		65-136	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	109		107		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	113		113		70-130
Dibromofluoromethane	98		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1931284
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-04 Batch: WG1262999-3 WG1262999-4								
Methylene chloride	91		89		70-130	2		30
1,1-Dichloroethane	108		104		70-130	4		30
Chloroform	97		94		70-130	3		30
Carbon tetrachloride	79		78		70-130	1		30
1,2-Dichloropropane	109		107		70-130	2		30
Dibromochloromethane	92		90		70-130	2		30
1,1,2-Trichloroethane	111		108		70-130	3		30
Tetrachloroethene	85		81		70-130	5		30
Chlorobenzene	97		94		70-130	3		30
Trichlorofluoromethane	77		71		70-139	8		30
1,2-Dichloroethane	109		106		70-130	3		30
1,1,1-Trichloroethane	88		85		70-130	3		30
Bromodichloromethane	92		91		70-130	1		30
trans-1,3-Dichloropropene	104		105		70-130	1		30
cis-1,3-Dichloropropene	95		94		70-130	1		30
1,1-Dichloropropene	97		93		70-130	4		30
Bromoform	86		85		70-130	1		30
1,1,2,2-Tetrachloroethane	119		118		70-130	1		30
Benzene	98		94		70-130	4		30
Toluene	103		99		70-130	4		30
Ethylbenzene	104		101		70-130	3		30
Chloromethane	**146**	Q	129		52-130	12		30
Bromomethane	124		120		57-147	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1931284
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-04 Batch: WG1262999-3 WG1262999-4								
Vinyl chloride	110		102		67-130	8		30
Chloroethane	84		78		50-151	7		30
1,1-Dichloroethene	88		82		65-135	7		30
trans-1,2-Dichloroethene	89		84		70-130	6		30
Trichloroethene	86		83		70-130	4		30
1,2-Dichlorobenzene	100		99		70-130	1		30
1,3-Dichlorobenzene	100		98		70-130	2		30
1,4-Dichlorobenzene	98		97		70-130	1		30
Methyl tert butyl ether	96		95		66-130	1		30
p/m-Xylene	96		94		70-130	2		30
o-Xylene	96		93		70-130	3		30
cis-1,2-Dichloroethene	92		89		70-130	3		30
Dibromomethane	95		95		70-130	0		30
1,2,3-Trichloropropane	122		121		68-130	1		30
Styrene	96		94		70-130	2		30
Dichlorodifluoromethane	93		87		30-146	7		30
Acetone	138		131		54-140	5		30
Carbon disulfide	94		89		59-130	5		30
2-Butanone	115		116		70-130	1		30
4-Methyl-2-pentanone	120		116		70-130	3		30
2-Hexanone	**134**	Q	127		70-130	5		30
Bromochloromethane	87		85		70-130	2		30
Tetrahydrofuran	128		**141**	Q	66-130	10		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1931284
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-04 Batch: WG1262999-3 WG1262999-4								
2,2-Dichloropropane	89		86		70-130	3		30
1,2-Dibromoethane	102		100		70-130	2		30
1,1,1,2-Tetrachloroethane	88		87		70-130	1		30
Bromobenzene	96		94		70-130	2		30
n-Butylbenzene	112		110		70-130	2		30
sec-Butylbenzene	106		103		70-130	3		30
tert-Butylbenzene	101		99		70-130	2		30
1,3,5-Trichlorobenzene	91		90		70-139	1		30
o-Chlorotoluene	116		115		70-130	1		30
p-Chlorotoluene	113		112		70-130	1		30
1,2-Dibromo-3-chloropropane	88		88		68-130	0		30
Hexachlorobutadiene	78		78		67-130	0		30
Isopropylbenzene	106		103		70-130	3		30
p-Isopropyltoluene	101		99		70-130	2		30
Naphthalene	100		101		70-130	1		30
n-Propylbenzene	112		109		70-130	3		30
1,2,3-Trichlorobenzene	90		91		70-130	1		30
1,2,4-Trichlorobenzene	89		89		70-130	0		30
1,3,5-Trimethylbenzene	106		104		70-130	2		30
1,2,4-Trimethylbenzene	107		105		70-130	2		30
Ethyl ether	100		99		67-130	1		30
Isopropyl Ether	124		122		66-130	2		30
Tert-Butyl Alcohol	98		93		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1931284
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-04 Batch: WG1262999-3 WG1262999-4								
Ethyl-Tert-Butyl-Ether	103		103		70-130	0		30
Tertiary-Amyl Methyl Ether	92		92		70-130	0		30
1,4-Dioxane	80		77		65-136	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	116		117		70-130
Toluene-d8	110		110		70-130
4-Bromofluorobenzene	113		114		70-130
Dibromofluoromethane	96		96		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1931284
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1263180-3 WG1263180-4								
Methylene chloride	94		96		70-130	2		30
1,1-Dichloroethane	106		105		70-130	1		30
Chloroform	112		115		70-130	3		30
Carbon tetrachloride	**150**	Q	**154**	Q	70-130	3		30
1,2-Dichloropropane	95		98		70-130	3		30
Dibromochloromethane	108		115		70-130	6		30
1,1,2-Trichloroethane	88		90		70-130	2		30
Tetrachloroethene	**131**	Q	**132**	Q	70-130	1		30
Chlorobenzene	107		110		70-130	3		30
Trichlorofluoromethane	**146**	Q	**150**	Q	70-139	3		30
1,2-Dichloroethane	106		111		70-130	5		30
1,1,1-Trichloroethane	**133**	Q	**137**	Q	70-130	3		30
Bromodichloromethane	107		113		70-130	5		30
trans-1,3-Dichloropropene	93		98		70-130	5		30
cis-1,3-Dichloropropene	104		107		70-130	3		30
1,1-Dichloropropene	117		122		70-130	4		30
Bromoform	105		105		70-130	0		30
1,1,2,2-Tetrachloroethane	77		78		70-130	1		30
Benzene	105		108		70-130	3		30
Toluene	102		108		70-130	6		30
Ethylbenzene	108		111		70-130	3		30
Chloromethane	111		108		52-130	3		30
Bromomethane	96		99		57-147	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 0231841

Lab Number: L1931284

Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1263180-3 WG1263180-4								
Vinyl chloride	99		99		67-130	0		30
Chloroethane	90		90		50-151	0		30
1,1-Dichloroethene	125		125		65-135	0		30
trans-1,2-Dichloroethene	121		123		70-130	2		30
Trichloroethene	119		122		70-130	2		30
1,2-Dichlorobenzene	104		106		70-130	2		30
1,3-Dichlorobenzene	109		111		70-130	2		30
1,4-Dichlorobenzene	106		108		70-130	2		30
Methyl tert butyl ether	101		105		66-130	4		30
p/m-Xylene	114		117		70-130	3		30
o-Xylene	112		115		70-130	3		30
cis-1,2-Dichloroethene	113		116		70-130	3		30
Dibromomethane	103		108		70-130	5		30
1,2,3-Trichloropropane	80		81		68-130	1		30
Styrene	114		117		70-130	3		30
Dichlorodifluoromethane	118		118		30-146	0		30
Acetone	99		96		54-140	3		30
Carbon disulfide	107		107		59-130	0		30
2-Butanone	91		90		70-130	1		30
4-Methyl-2-pentanone	87		87		70-130	0		30
2-Hexanone	82		84		70-130	2		30
Bromochloromethane	119		125		70-130	5		30
Tetrahydrofuran	106		104		66-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1931284
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1263180-3 WG1263180-4								
2,2-Dichloropropane	128		130		70-130	2		30
1,2-Dibromoethane	97		101		70-130	4		30
1,1,1,2-Tetrachloroethane	114		118		70-130	3		30
Bromobenzene	104		106		70-130	2		30
n-Butylbenzene	104		105		70-130	1		30
sec-Butylbenzene	108		110		70-130	2		30
tert-Butylbenzene	114		115		70-130	1		30
1,3,5-Trichlorobenzene	115		116		70-139	1		30
o-Chlorotoluene	98		99		70-130	1		30
p-Chlorotoluene	97		100		70-130	3		30
1,2-Dibromo-3-chloropropane	101		101		68-130	0		30
Hexachlorobutadiene	127		130		67-130	2		30
Isopropylbenzene	107		109		70-130	2		30
p-Isopropyltoluene	118		119		70-130	1		30
Naphthalene	102		105		70-130	3		30
n-Propylbenzene	100		101		70-130	1		30
1,2,3-Trichlorobenzene	108		112		70-130	4		30
1,2,4-Trichlorobenzene	110		113		70-130	3		30
1,3,5-Trimethylbenzene	108		109		70-130	1		30
1,2,4-Trimethylbenzene	108		109		70-130	1		30
Ethyl ether	93		100		67-130	7		30
Isopropyl Ether	95		99		66-130	4		30
Tert-Butyl Alcohol	98		99		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1931284
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1263180-3 WG1263180-4								
Ethyl-Tert-Butyl-Ether	102		105		70-130	3		30
Tertiary-Amyl Methyl Ether	98		103		70-130	5		30
1,4-Dioxane	100		103		65-136	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		99		70-130
Toluene-d8	91		92		70-130
4-Bromofluorobenzene	86		85		70-130
Dibromofluoromethane	105		106		70-130

INORGANICS
&
MISCELLANEOUS

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1931284
Report Date: 08/02/19

SAMPLE RESULTS

Lab ID: L1931284-01
Client ID: SB19-33 (15-17.25)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/16/19 08:35
Date Received: 07/16/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon	0.026		%	0.010	--	1	-	07/31/19 18:13	1,9060A	SP
Grain Size Analysis - Mansfield Lab										
Cobbles	ND		%	0.100	NA	1	-	07/25/19 06:26	12,D6913/D7928	SM
% Coarse Gravel	ND		%	0.100	NA	1	-	07/25/19 06:26	12,D6913/D7928	SM
% Fine Gravel	ND		%	0.100	NA	1	-	07/25/19 06:26	12,D6913/D7928	SM
% Total Gravel	ND		%	0.100	NA	1	-	07/25/19 06:26	12,D6913/D7928	SM
% Coarse Sand	ND		%	0.100	NA	1	-	07/25/19 06:26	12,D6913/D7928	SM
% Medium Sand	0.100		%	0.100	NA	1	-	07/25/19 06:26	12,D6913/D7928	SM
% Fine Sand	64.5		%	0.100	NA	1	-	07/25/19 06:26	12,D6913/D7928	SM
% Total Sand	64.6		%	0.100	NA	1	-	07/25/19 06:26	12,D6913/D7928	SM
% Total Fines	35.4		%	0.100	NA	1	-	07/25/19 06:26	12,D6913/D7928	SM
General Chemistry - Westborough Lab										
Solids, Total	79.1		%	0.100	NA	1	-	07/17/19 02:54	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1931284
Report Date: 08/02/19

SAMPLE RESULTS

Lab ID: L1931284-02
Client ID: SB19-34 (20-22.5)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/16/19 11:30
Date Received: 07/16/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.2		%	0.100	NA	1	-	07/17/19 02:54	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1931284
Report Date: 08/02/19

SAMPLE RESULTS

Lab ID: L1931284-03
Client ID: SB19-35 (22.25-24.5)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/16/19 13:08
Date Received: 07/16/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon	0.017		%	0.010	--	1	-	07/31/19 18:13	1,9060A	SP
Grain Size Analysis - Mansfield Lab										
Cobbles	ND		%	0.100	NA	1	-	07/25/19 06:26	12,D6913/D7928	SM
% Coarse Gravel	ND		%	0.100	NA	1	-	07/25/19 06:26	12,D6913/D7928	SM
% Fine Gravel	ND		%	0.100	NA	1	-	07/25/19 06:26	12,D6913/D7928	SM
% Total Gravel	ND		%	0.100	NA	1	-	07/25/19 06:26	12,D6913/D7928	SM
% Coarse Sand	ND		%	0.100	NA	1	-	07/25/19 06:26	12,D6913/D7928	SM
% Medium Sand	0.300		%	0.100	NA	1	-	07/25/19 06:26	12,D6913/D7928	SM
% Fine Sand	14.5		%	0.100	NA	1	-	07/25/19 06:26	12,D6913/D7928	SM
% Total Sand	14.8		%	0.100	NA	1	-	07/25/19 06:26	12,D6913/D7928	SM
% Total Fines	85.2		%	0.100	NA	1	-	07/25/19 06:26	12,D6913/D7928	SM
General Chemistry - Westborough Lab										
Solids, Total	82.2		%	0.100	NA	1	-	07/17/19 02:54	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1931284
Report Date: 08/02/19

SAMPLE RESULTS

Lab ID: L1931284-04
Client ID: SB16-36 (16.75-18.5)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/16/19 14:47
Date Received: 07/16/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	74.6		%	0.100	NA	1	-	07/17/19 02:54	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1931284
Report Date: 08/02/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab for sample(s): 01,03 Batch: WG1267823-1										
Total Organic Carbon	ND		%	0.010	--	1	-	07/31/19 18:13	1,9060A	SP

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 0231841

Lab Number: L1931284

Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Organic Carbon - Mansfield Lab Associated sample(s): 01,03 Batch: WG1267823-2								
Total Organic Carbon	89		-		75-125	-		25

Matrix Spike Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1931284
Report Date: 08/02/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Organic Carbon - Mansfield Lab Associated sample(s): 01,03 QC Batch ID: WG1267823-4 QC Sample: L1931284-01 Client ID: SB19-33 (15-17.25)												
Total Organic Carbon	0.026	0.876	0.886	98		-	-		75-125	-		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1931284
Report Date: 08/02/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1260752-1 QC Sample: L1931095-03 Client ID: DUP Sample						
Solids, Total	86.8	87.0	%	0		20
Grain Size Analysis - Mansfield Lab Associated sample(s): 01,03 QC Batch ID: WG1264229-1 QC Sample: L1931284-01 Client ID: SB19-33 (15-17.25)						
Cobbles	ND	ND	%	NC		20
% Coarse Gravel	ND	ND	%	NC		20
% Fine Gravel	ND	ND	%	NC		20
% Total Gravel	ND	ND	%	NC		20
% Coarse Sand	ND	0.100	%	NC		20
% Medium Sand	0.100	0.400	%	**120**	Q	20
% Fine Sand	64.5	66.0	%	2		20
% Total Sand	64.6	66.5	%	3		20
% Total Fines	35.4	33.5	%	6		20
Total Organic Carbon - Mansfield Lab Associated sample(s): 01,03 QC Batch ID: WG1267823-3 QC Sample: L1931284-01 Client ID: SB19-33 (15-17.25)						
Total Organic Carbon	0.026	0.023	%	12		25

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1931284
Report Date: 08/02/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1931284-01A	Vial MeOH preserved	A	NA		4.0	Y	Absent		8260HLW-NH(14)
L1931284-01B	Vial water preserved	A	NA		4.0	Y	Absent	16-JUL-19 15:52	8260HLW-NH(14)
L1931284-01C	Vial water preserved	A	NA		4.0	Y	Absent	16-JUL-19 15:52	8260HLW-NH(14)
L1931284-01D	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L1931284-01E	Glass 120ml/4oz unpreserved	A	NA		4.0	Y	Absent		A2-TOC-9060(28)
L1931284-01F	Plastic 8oz unpreserved for Grain Size	A	NA		4.0	Y	Absent		A2-HYDRO-TFINE(),A2-HYDRO-CGRAVEL(),A2-HYDRO-COBBLES(W)(),A2-HYDRO-FSAND(),A2-HYDRO-GRANULE(W)(),A2-HYDRO-CLAY(W)(),A2-HYDRO-MSAND(),A2-HYDRO-VFSAND(W)(),A2-HYDRO-SILT(W)(),A2-HYDRO-TGRAVEL(),A2-HYDRO-CSAND(),A2-HYDRO-PEBBLE(W)(),A2-HYDRO-FSAND(W)(),A2-HYDRO-TSAND(),A2-HYDRO-BOULDER(W)(),A2-HYDRO-CSAND(W)(),A2-HYDRO-MSAND(W)(),A2-HYDRO-VCSAND(W)(),A2-HYDRO-COBBLES(),A2-HYDRO-FGRAVEL()
L1931284-02A	Vial MeOH preserved	A	NA		4.0	Y	Absent		8260HLW-NH(14)
L1931284-02B	Vial water preserved	A	NA		4.0	Y	Absent	16-JUL-19 15:52	8260HLW-NH(14)
L1931284-02C	Vial water preserved	A	NA		4.0	Y	Absent	16-JUL-19 15:52	8260HLW-NH(14)
L1931284-02D	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L1931284-03A	Vial MeOH preserved	A	NA		4.0	Y	Absent		8260HLW-NH(14)
L1931284-03B	Vial water preserved	A	NA		4.0	Y	Absent	16-JUL-19 15:52	8260HLW-NH(14)
L1931284-03C	Vial water preserved	A	NA		4.0	Y	Absent	16-JUL-19 15:52	8260HLW-NH(14)
L1931284-03D	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L1931284-03E	Glass 120ml/4oz unpreserved	A	NA		4.0	Y	Absent		A2-TOC-9060(28)

*Values in parentheses indicate holding time in days

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1931284
Report Date: 08/02/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1931284-03F	Plastic 8oz unpreserved for Grain Size	A	NA		4.0	Y	Absent		A2-HYDRO-TFINE(),A2-HYDRO-CGRAVEL(),A2-HYDRO-COBBLES(W)(),A2-HYDRO-FSAND(),A2-HYDRO-GRANULE(W)(),A2-HYDRO-CLAY(W)(),A2-HYDRO-MSAND(),A2-HYDRO-VFSAND(W)(),A2-HYDRO-SILT(W)(),A2-HYDRO-TGRAVEL(),A2-HYDRO-CSAND(),A2-HYDRO-PEBBLE(W)(),A2-HYDRO-FSAND(W)(),A2-HYDRO-TSAND(),A2-HYDRO-BOULDER(W)(),A2-HYDRO-CSAND(W)(),A2-HYDRO-MSAND(W)(),A2-HYDRO-VCSAND(W)(),A2-HYDRO-COBBLES(),A2-HYDRO-FGRAVEL()
L1931284-04A	Vial MeOH preserved	A	NA		4.0	Y	Absent		8260HLW-NH(14)
L1931284-04B	Vial water preserved	A	NA		4.0	Y	Absent	16-JUL-19 15:52	8260HLW-NH(14)
L1931284-04C	Vial water preserved	A	NA		4.0	Y	Absent	16-JUL-19 15:52	8260HLW-NH(14)
L1931284-04D	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L1931284-05A	Vial HCl preserved	A	NA		4.0	Y	Absent		8260-NH(14)
L1931284-05B	Vial HCl preserved	A	NA		4.0	Y	Absent		8260-NH(14)

*Values in parentheses indicate holding time in days

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1931284
Project Number:	0231841	**Report Date:**	08/02/19

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: Data Usability Report

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1931284
Project Number:	0231841	**Report Date:**	08/02/19

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: Data Usability Report

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1931284
Project Number:	0231841	**Report Date:**	08/02/19

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

12 Annual Book of ASTM Standards. (American Society for Testing and Materials) ASTM International.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

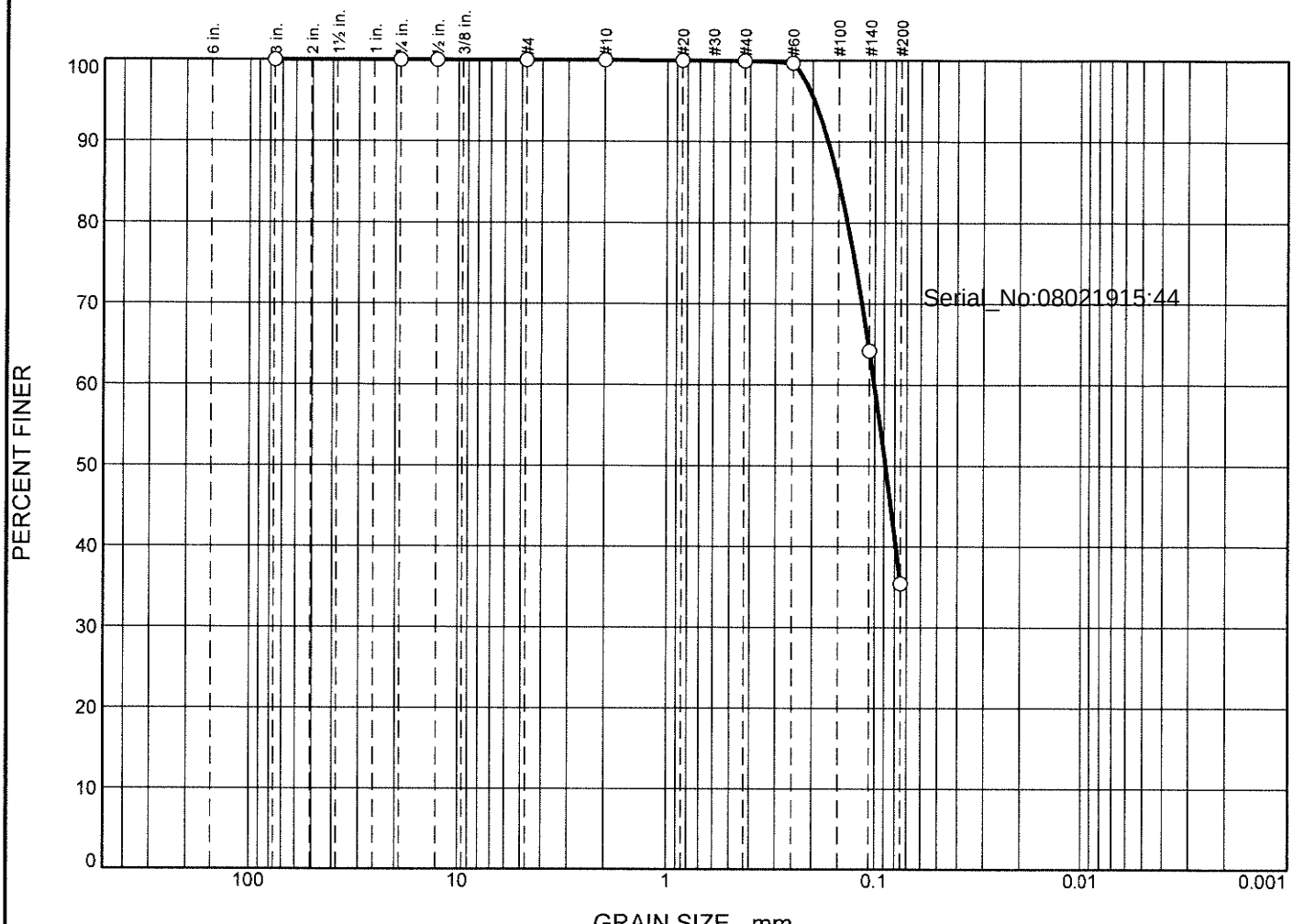
Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

ASTM D6913/D7928

GRAIN SIZE ANALYSIS

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	0.1	64.5	35.4	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				0.1496	0.1003	0.0887					

	Material Description	USCS	AASHTO
○			

Project No. **Client:**

Project:

○ **Source of Sample:** SB19-33 (15-17.25) **Sample Number:** L1931284-01

Date: ○

Alpha Analytical

Mansfield, MA

Remarks:

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

7/31/2019

Location: SB19-33 (15-17.25)

Sample Number: L1931284-01

Sieve Test Data

Post #200 Wash Test Weights (grams): **Dry Sample and Tare =** 81.50
Tare Wt. = 0.00
Minus #200 from wash = 0.0%

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer
81.50	0.00	3	0.00	0.00	100.0
		0.75	0.00	0.00	100.0
		0.50	0.00	0.00	100.0
		#4	0.00	0.00	100.0
		#10	0.00	0.00	100.0
		#20	0.03	0.00	100.0
		#40	0.03	0.00	99.9
		#60	0.21	0.00	99.7
		#140	28.89	0.00	64.2
		#200	23.45	0.00	35.4

Serial_No:08021915:44

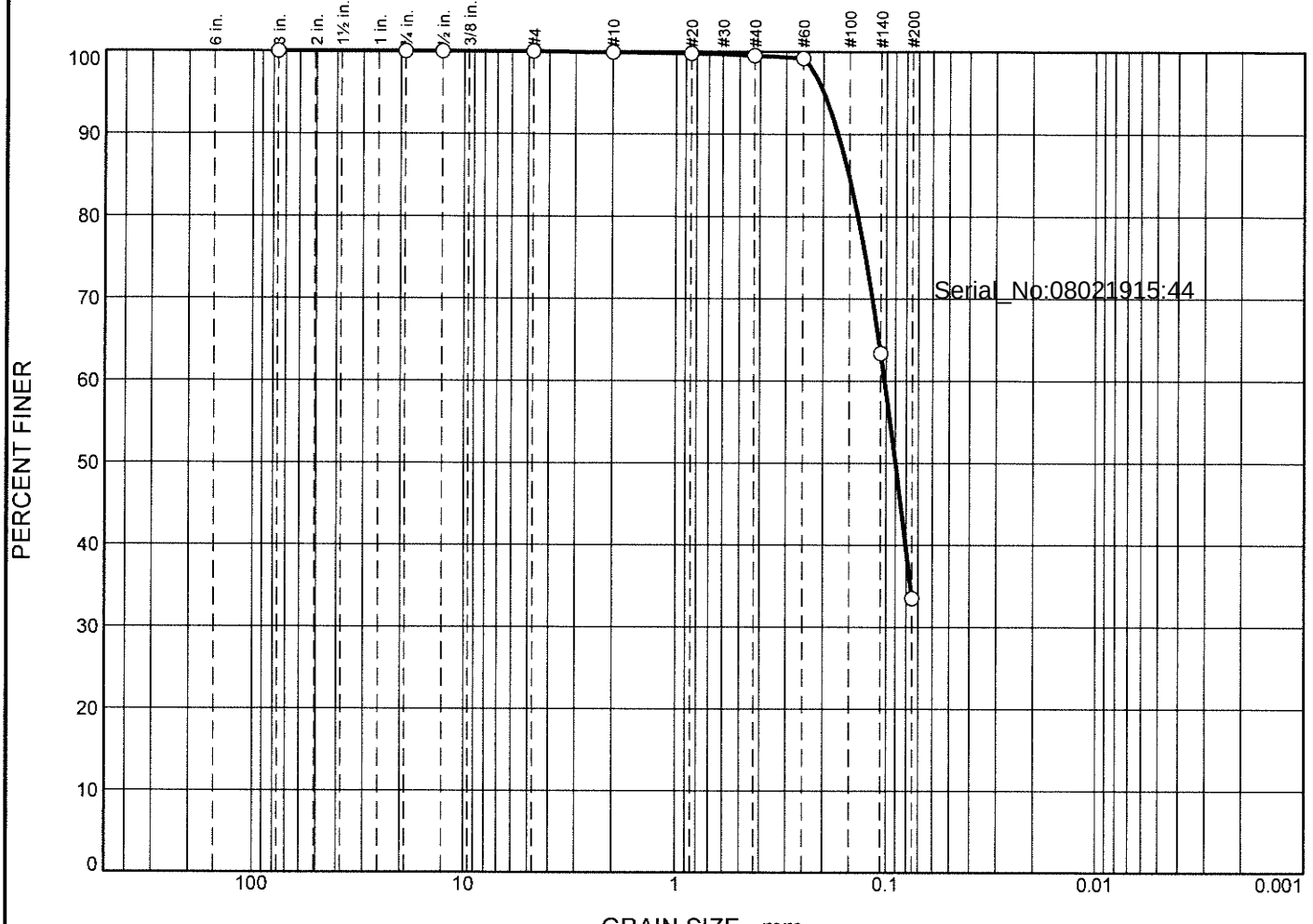
Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	0.0	0.0	0.0	0.1	64.5	64.6			35.4

D_5	D_{10}	D_{15}	D_{20}	D_{30}	D_{40}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
					0.0790	0.0887	0.1003	0.1356	0.1496	0.1682	0.1958

Fineness Modulus
0.15

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.1	0.4	66.0	33.5	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				0.1510	0.1015	0.0901					

Material Description	USCS	AASHTO
○		

Project No. **Client:**

Project:

○ **Source of Sample:** SB19-33 (15-17.25) **Sample Number:** WG1264229-1

Date: ○

Alpha Analytical

Mansfield, MA

Remarks:

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

7/31/2019

Location: SB19-33 (15-17.25)

Sample Number: WG1264229-1

Sieve Test Data

Post #200 Wash Test Weights (grams): **Dry Sample and Tare =** 81.00
Tare Wt. = 0.00
Minus #200 from wash = 0.0%

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer
81.00	0.00	3	0.00	0.00	100.0
		0.75	0.00	0.00	100.0
		0.50	0.00	0.00	100.0
		#4	0.00	0.00	100.0
		#10	0.10	0.00	99.9
		#20	0.08	0.00	99.8
		#40	0.21	0.00	99.5
		#60	0.25	0.00	99.2
		#140	29.03	0.00	63.4
		#200	24.17	0.00	33.5

Serial_No:08021915:44

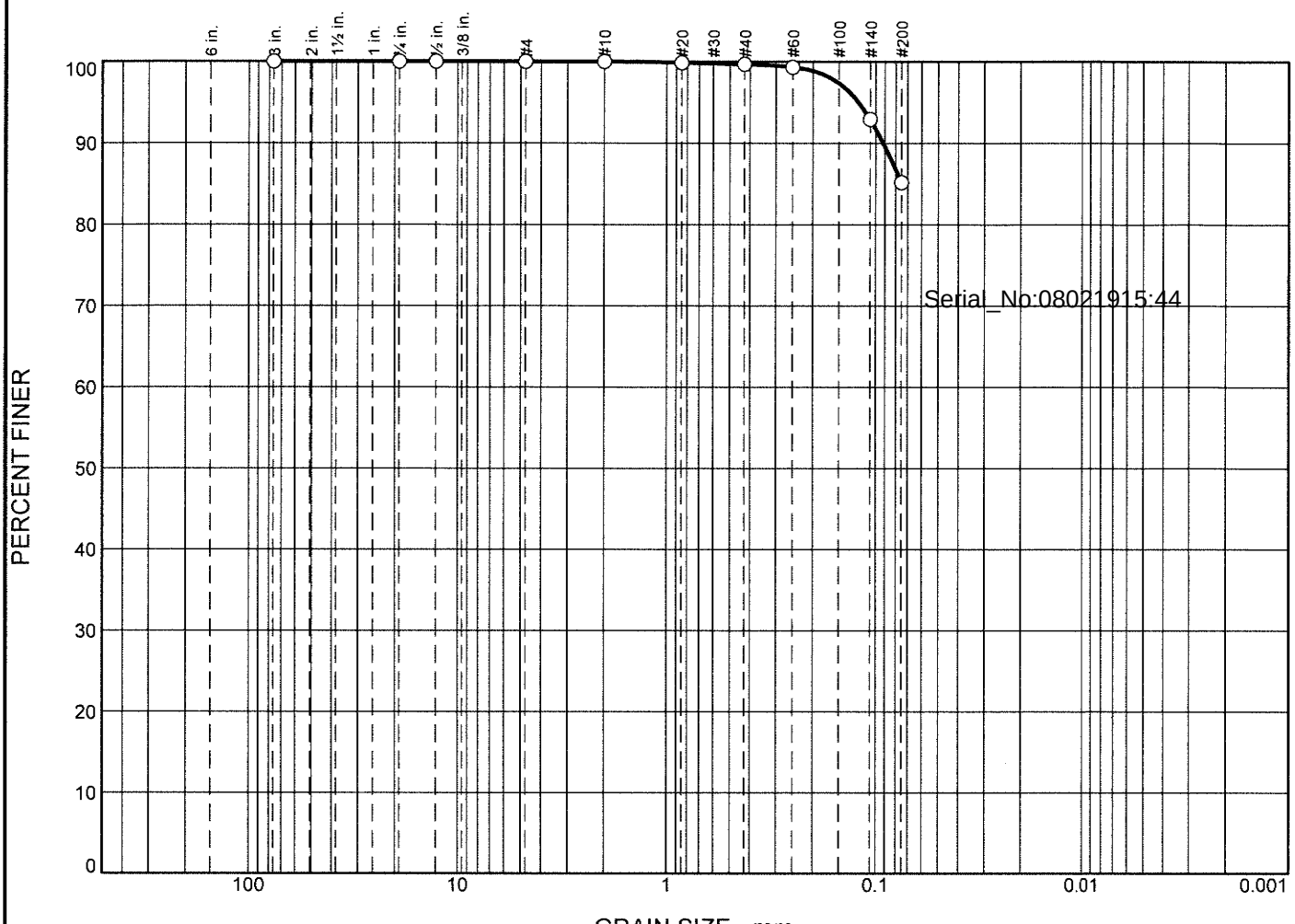
Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	0.0	0.0	0.1	0.4	66.0	66.5			33.5

D_5	D_{10}	D_{15}	D_{20}	D_{30}	D_{40}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
					0.0805	0.0901	0.1015	0.1368	0.1510	0.1700	0.1988

Fineness Modulus
0.17

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	0.3	14.5	85.2	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○											

	Material Description	USCS	AASHTO
○			

Project No. **Client:**

Project:

○ **Source of Sample:** SB19-35 (22.25-24.5) **Sample Number:** L1931284-03

Date: ○

Alpha Analytical

Mansfield, MA

Remarks:

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

7/31/2019

Location: SB19-35 (22.25-24.5)

Sample Number: L1931284-03

Sieve Test Data

Post #200 Wash Test Weights (grams): **Dry Sample and Tare =** 82.50
Tare Wt. = 0.00
Minus #200 from wash = 0.0%

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer
82.50	0.00	3	0.00	0.00	100.0
		0.75	0.00	0.00	100.0
		0.50	0.00	0.00	100.0
		#4	0.00	0.00	100.0
		#10	0.00	0.00	100.0
		#20	0.11	0.00	99.9
		#40	0.17	0.00	99.7
		#60	0.28	0.00	99.3
		#140	5.27	0.00	92.9
		#200	6.40	0.00	85.2

Serial_No:08021915:44

Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	0.0	0.0	0.0	0.3	14.5	14.8			85.2

D_5	D_{10}	D_{15}	D_{20}	D_{30}	D_{40}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
										0.0919	0.1206

Fineness Modulus
0.03

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 7/16/19

ALPHA Job #: L1931284

ALPHA
8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Client Information

Client: Weston & Sampson

Address: 400 Shattuck Rd

Andover, MA

Phone: 978-475-7705

Email: gainey@westonandsampson.com

kelichea@westonandsampson.com

Project Information

Project Name: Salem, NH

Project Location: Salem former WWTP

Project #: 02318411

Project Manager: James Yeder

ALPHA Quote #:

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due:

Report Information - Data Deliverables

☒ FAX ☒ EMAIL

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements & Project Information Requirements

☐ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods

☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)

☐ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)

☐ Yes ☐ No NPDES RGP

☐ Other State /Fed Program _____ Criteria _____

Additional Project Information:

Rush VOC Samples w/ PF

water by Freezing @ 1552 7/16/19

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	VOC: ☒ 8260 ☐ 624 ☐ 524.2	SVOC: ☐ ABN ☐ PAH	METALS: ☐ MCP 13 ☐ MCP 14 ☐ RCP 15	METALS: ☐ RCRA5 ☐ RCRA8 ☐ PP13	EPH: ☐ Ranges & Targets ☐ Ranges Only	VPH: ☐ Ranges & Targets ☐ Ranges Only	☐ PCB ☐ PEST	TPH: ☐ Quant Only ☐ Fingerprint	% Solids	grain size	TOC	Sample Comments	TOTAL # BOTTLES
31284-01	SB19-33 (15-17.25)	7/16/19	0635	Soil	ACS	X								X	X	X		6
-02	SB19-34 (20-22.5)	7/16/19	1130	Soil	ACS	X								X				4
-03	SB19-35 (22.25-24.5)	7/16/19	1308	Soil	ACS	X								X	X	X		6
-04	SB19-36 (16.75-18.5)	7/16/19	1447	Soil	ACS	X								X				4
-05	Trip Blank	7/3/19	938	water	—	X								~~X~~				

SAMPLE INFO

Filtration
☐ Field
☐ Lab to do

Preservation
☐ Lab to do

Container Type	✓													P	P	A		
Preservative	✓													A	A	A		

Container Type
P= Plastic
A= Amber glass
V= Vial
G= Glass
B= Bacteria cup
C= Cube
O= Other
E= Encore
D= BOD Bottle

Preservative
A= None
B= HCl
C= HNO_3
D= H_2SO_4
E= NaOH
F= MeOH
G= $NaHSO_4$
H= $Na_2S_2O_3$
I= Ascorbic Acid
J= NH_4Cl
K= Zn Acetate
O= Other

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	7/16 1610	[signature] AM	7-16-19 16:10
[signature] AM	7-16-19 17:20	[signature]	7/16/19 1720

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)

ANALYTICAL REPORT

Lab Number:	L1931286
Client:	Woodard & Curran 40 Shattuck Road Suite 110 Andover, MA 01810
ATTN:	Jarrod Yoder
Phone:	(978) 557-8150
Project Name:	SALEM FORMER WWTF
Project Number:	0231841
Report Date:	08/02/19

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1931286
Report Date: 08/02/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1931286-01	SB19-20 (17.5-20)	SOIL	SALEM, NH	07/12/19 09:00	07/16/19
L1931286-02	SB19-21 (5-7)	SOIL	SALEM, NH	07/12/19 09:59	07/16/19
L1931286-03	SB19-22 (5-7.5)	SOIL	SALEM, NH	07/12/19 10:59	07/16/19
L1931286-04	SB19-23 (7-9)	SOIL	SALEM, NH	07/12/19 12:07	07/16/19
L1931286-05	SB19-24 (7-9)	SOIL	SALEM, NH	07/12/19 12:20	07/16/19
L1931286-06	SB19-25 (12.5-15)	SOIL	SALEM, NH	07/12/19 13:50	07/16/19
L1931286-07	TRIP BLANK	SOIL	SALEM, NH	07/03/19 08:38	07/16/19

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1931286
Project Number:	0231841	**Report Date:**	08/02/19

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1931286
Project Number:	0231841	**Report Date:**	08/02/19

Case Narrative (continued)

Report Submission

August 02, 2019: This final report includes the results of all requested analyses.

August 01, 2019: This is a preliminary report.

Sample Receipt

L1931286-03: The collection date and time on the chain of custody was 12-JUL-19 10:54; however, the collection date/time on the container label was 12-JUL-19 10:59. At the client's request, the collection date/time is reported as 12-JUL-19 10:59.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 08/02/19

ORGANICS

VOLATILES

Project Name: SALEM FORMER WWTF **Lab Number:** L1931286

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931286-01
Client ID: SB19-20 (17.5-20)
Sample Location: SALEM, NH

Date Collected: 07/12/19 09:00
Date Received: 07/16/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/25/19 11:29
Analyst: MV
Percent Solids: 75%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.2	--	1
1,1-Dichloroethane	ND		ug/kg	0.84	--	1
Chloroform	ND		ug/kg	1.3	--	1
Carbon tetrachloride	ND		ug/kg	0.84	--	1
1,2-Dichloropropane	ND		ug/kg	0.84	--	1
Dibromochloromethane	ND		ug/kg	0.84	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.84	--	1
Tetrachloroethene	ND		ug/kg	0.42	--	1
Chlorobenzene	ND		ug/kg	0.42	--	1
Trichlorofluoromethane	ND		ug/kg	3.4	--	1
1,2-Dichloroethane	ND		ug/kg	0.84	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.42	--	1
Bromodichloromethane	ND		ug/kg	0.42	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.84	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.42	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.42	--	1
1,1-Dichloropropene	ND		ug/kg	0.42	--	1
Bromoform	ND		ug/kg	3.4	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.42	--	1
Benzene	ND		ug/kg	0.42	--	1
Toluene	ND		ug/kg	0.84	--	1
Ethylbenzene	ND		ug/kg	0.84	--	1
Chloromethane	ND		ug/kg	3.4	--	1
Bromomethane	ND		ug/kg	1.7	--	1
Vinyl chloride	ND		ug/kg	0.84	--	1
Chloroethane	ND		ug/kg	1.7	--	1
1,1-Dichloroethene	ND		ug/kg	0.84	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1931286

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931286-01 Date Collected: 07/12/19 09:00

Client ID: SB19-20 (17.5-20) Date Received: 07/16/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.42	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.7	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.7	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.7	--	1
Methyl tert butyl ether	ND		ug/kg	1.7	--	1
p/m-Xylene	ND		ug/kg	1.7	--	1
o-Xylene	ND		ug/kg	0.84	--	1
Xylenes, Total	ND		ug/kg	0.84	--	1
cis-1,2-Dichloroethene	1.0		ug/kg	0.84	--	1
1,2-Dichloroethene, Total	1.0		ug/kg	0.84	--	1
Dibromomethane	ND		ug/kg	1.7	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.7	--	1
Styrene	ND		ug/kg	0.84	--	1
Dichlorodifluoromethane	ND		ug/kg	8.4	--	1
Acetone	ND		ug/kg	8.4	--	1
Carbon disulfide	ND		ug/kg	8.4	--	1
2-Butanone	ND		ug/kg	8.4	--	1
4-Methyl-2-pentanone	ND		ug/kg	8.4	--	1
2-Hexanone	ND		ug/kg	8.4	--	1
Bromochloromethane	ND		ug/kg	1.7	--	1
Tetrahydrofuran	ND		ug/kg	3.4	--	1
2,2-Dichloropropane	ND		ug/kg	1.7	--	1
1,2-Dibromoethane	ND		ug/kg	0.84	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.42	--	1
Bromobenzene	ND		ug/kg	1.7	--	1
n-Butylbenzene	ND		ug/kg	0.84	--	1
sec-Butylbenzene	ND		ug/kg	0.84	--	1
tert-Butylbenzene	ND		ug/kg	1.7	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.7	--	1
o-Chlorotoluene	ND		ug/kg	1.7	--	1
p-Chlorotoluene	ND		ug/kg	1.7	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.5	--	1
Hexachlorobutadiene	ND		ug/kg	3.4	--	1
Isopropylbenzene	ND		ug/kg	0.84	--	1
p-Isopropyltoluene	ND		ug/kg	0.84	--	1
Naphthalene	ND		ug/kg	3.4	--	1
n-Propylbenzene	ND		ug/kg	0.84	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1931286

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931286-01 Date Collected: 07/12/19 09:00

Client ID: SB19-20 (17.5-20) Date Received: 07/16/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.7	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.7	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.7	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.7	--	1
Ethyl ether	ND		ug/kg	1.7	--	1
Isopropyl Ether	ND		ug/kg	1.7	--	1
Tert-Butyl Alcohol	ND		ug/kg	17	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.7	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.7	--	1
1,4-Dioxane	ND		ug/kg	67	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	94		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1931286

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931286-02
Client ID: SB19-21 (5-7)
Sample Location: SALEM, NH

Date Collected: 07/12/19 09:59
Date Received: 07/16/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/25/19 20:00
Analyst: MV
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.5	--	1
1,1-Dichloroethane	ND		ug/kg	0.70	--	1
Chloroform	ND		ug/kg	1.0	--	1
Carbon tetrachloride	ND		ug/kg	0.70	--	1
1,2-Dichloropropane	ND		ug/kg	0.70	--	1
Dibromochloromethane	ND		ug/kg	0.70	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.70	--	1
Tetrachloroethene	ND		ug/kg	0.35	--	1
Chlorobenzene	ND		ug/kg	0.35	--	1
Trichlorofluoromethane	ND		ug/kg	2.8	--	1
1,2-Dichloroethane	ND		ug/kg	0.70	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.35	--	1
Bromodichloromethane	ND		ug/kg	0.35	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.70	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.35	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.35	--	1
1,1-Dichloropropene	ND		ug/kg	0.35	--	1
Bromoform	ND		ug/kg	2.8	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.35	--	1
Benzene	ND		ug/kg	0.35	--	1
Toluene	ND		ug/kg	0.70	--	1
Ethylbenzene	ND		ug/kg	0.70	--	1
Chloromethane	ND		ug/kg	2.8	--	1
Bromomethane	ND		ug/kg	1.4	--	1
Vinyl chloride	ND		ug/kg	0.70	--	1
Chloroethane	ND		ug/kg	1.4	--	1
1,1-Dichloroethene	ND		ug/kg	0.70	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.0	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1931286

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931286-02 Date Collected: 07/12/19 09:59

Client ID: SB19-21 (5-7) Date Received: 07/16/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.35	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.4	--	1
Methyl tert butyl ether	ND		ug/kg	1.4	--	1
p/m-Xylene	ND		ug/kg	1.4	--	1
o-Xylene	ND		ug/kg	0.70	--	1
Xylenes, Total	ND		ug/kg	0.70	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.70	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.70	--	1
Dibromomethane	ND		ug/kg	1.4	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.4	--	1
Styrene	ND		ug/kg	0.70	--	1
Dichlorodifluoromethane	ND		ug/kg	7.0	--	1
Acetone	ND		ug/kg	7.0	--	1
Carbon disulfide	ND		ug/kg	7.0	--	1
2-Butanone	ND		ug/kg	7.0	--	1
4-Methyl-2-pentanone	ND		ug/kg	7.0	--	1
2-Hexanone	ND		ug/kg	7.0	--	1
Bromochloromethane	ND		ug/kg	1.4	--	1
Tetrahydrofuran	ND		ug/kg	2.8	--	1
2,2-Dichloropropane	ND		ug/kg	1.4	--	1
1,2-Dibromoethane	ND		ug/kg	0.70	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.35	--	1
Bromobenzene	ND		ug/kg	1.4	--	1
n-Butylbenzene	ND		ug/kg	0.70	--	1
sec-Butylbenzene	ND		ug/kg	0.70	--	1
tert-Butylbenzene	ND		ug/kg	1.4	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.4	--	1
o-Chlorotoluene	ND		ug/kg	1.4	--	1
p-Chlorotoluene	ND		ug/kg	1.4	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.1	--	1
Hexachlorobutadiene	ND		ug/kg	2.8	--	1
Isopropylbenzene	ND		ug/kg	0.70	--	1
p-Isopropyltoluene	ND		ug/kg	0.70	--	1
Naphthalene	ND		ug/kg	2.8	--	1
n-Propylbenzene	ND		ug/kg	0.70	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1931286

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931286-02 Date Collected: 07/12/19 09:59

Client ID: SB19-21 (5-7) Date Received: 07/16/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.4	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.4	--	1
Ethyl ether	ND		ug/kg	1.4	--	1
Isopropyl Ether	ND		ug/kg	1.4	--	1
Tert-Butyl Alcohol	ND		ug/kg	14	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.4	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.4	--	1
1,4-Dioxane	ND		ug/kg	56	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	106		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1931286

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931286-03 Date Collected: 07/12/19 10:59
Client ID: SB19-22 (5-7.5) Date Received: 07/16/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/25/19 20:28
Analyst: MV
Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.4	--	1
1,1-Dichloroethane	ND		ug/kg	0.68	--	1
Chloroform	ND		ug/kg	1.0	--	1
Carbon tetrachloride	ND		ug/kg	0.68	--	1
1,2-Dichloropropane	ND		ug/kg	0.68	--	1
Dibromochloromethane	ND		ug/kg	0.68	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.68	--	1
Tetrachloroethene	ND		ug/kg	0.34	--	1
Chlorobenzene	ND		ug/kg	0.34	--	1
Trichlorofluoromethane	ND		ug/kg	2.7	--	1
1,2-Dichloroethane	ND		ug/kg	0.68	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.34	--	1
Bromodichloromethane	ND		ug/kg	0.34	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.68	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.34	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.34	--	1
1,1-Dichloropropene	ND		ug/kg	0.34	--	1
Bromoform	ND		ug/kg	2.7	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.34	--	1
Benzene	ND		ug/kg	0.34	--	1
Toluene	ND		ug/kg	0.68	--	1
Ethylbenzene	ND		ug/kg	0.68	--	1
Chloromethane	ND		ug/kg	2.7	--	1
Bromomethane	ND		ug/kg	1.4	--	1
Vinyl chloride	ND		ug/kg	0.68	--	1
Chloroethane	ND		ug/kg	1.4	--	1
1,1-Dichloroethene	ND		ug/kg	0.68	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.0	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1931286

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931286-03 Date Collected: 07/12/19 10:59

Client ID: SB19-22 (5-7.5) Date Received: 07/16/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.34	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.4	--	1
Methyl tert butyl ether	ND		ug/kg	1.4	--	1
p/m-Xylene	ND		ug/kg	1.4	--	1
o-Xylene	ND		ug/kg	0.68	--	1
Xylenes, Total	ND		ug/kg	0.68	--	1
cis-1,2-Dichloroethene	1.1		ug/kg	0.68	--	1
1,2-Dichloroethene, Total	1.1		ug/kg	0.68	--	1
Dibromomethane	ND		ug/kg	1.4	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.4	--	1
Styrene	ND		ug/kg	0.68	--	1
Dichlorodifluoromethane	ND		ug/kg	6.8	--	1
Acetone	12		ug/kg	6.8	--	1
Carbon disulfide	ND		ug/kg	6.8	--	1
2-Butanone	ND		ug/kg	6.8	--	1
4-Methyl-2-pentanone	ND		ug/kg	6.8	--	1
2-Hexanone	ND		ug/kg	6.8	--	1
Bromochloromethane	ND		ug/kg	1.4	--	1
Tetrahydrofuran	ND		ug/kg	2.7	--	1
2,2-Dichloropropane	ND		ug/kg	1.4	--	1
1,2-Dibromoethane	ND		ug/kg	0.68	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.34	--	1
Bromobenzene	ND		ug/kg	1.4	--	1
n-Butylbenzene	ND		ug/kg	0.68	--	1
sec-Butylbenzene	ND		ug/kg	0.68	--	1
tert-Butylbenzene	ND		ug/kg	1.4	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.4	--	1
o-Chlorotoluene	ND		ug/kg	1.4	--	1
p-Chlorotoluene	ND		ug/kg	1.4	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.0	--	1
Hexachlorobutadiene	ND		ug/kg	2.7	--	1
Isopropylbenzene	ND		ug/kg	0.68	--	1
p-Isopropyltoluene	ND		ug/kg	0.68	--	1
Naphthalene	ND		ug/kg	2.7	--	1
n-Propylbenzene	ND		ug/kg	0.68	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1931286

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931286-03 Date Collected: 07/12/19 10:59

Client ID: SB19-22 (5-7.5) Date Received: 07/16/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.4	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.4	--	1
Ethyl ether	ND		ug/kg	1.4	--	1
Isopropyl Ether	ND		ug/kg	1.4	--	1
Tert-Butyl Alcohol	ND		ug/kg	14	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.4	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.4	--	1
1,4-Dioxane	ND		ug/kg	54	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	107		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1931286

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931286-04 Date Collected: 07/12/19 12:07
Client ID: SB19-23 (7-9) Date Received: 07/16/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/25/19 20:55
Analyst: MV
Percent Solids: 71%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.9	--	1
1,1-Dichloroethane	ND		ug/kg	0.98	--	1
Chloroform	ND		ug/kg	1.5	--	1
Carbon tetrachloride	ND		ug/kg	0.98	--	1
1,2-Dichloropropane	ND		ug/kg	0.98	--	1
Dibromochloromethane	ND		ug/kg	0.98	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.98	--	1
Tetrachloroethene	ND		ug/kg	0.49	--	1
Chlorobenzene	ND		ug/kg	0.49	--	1
Trichlorofluoromethane	ND		ug/kg	3.9	--	1
1,2-Dichloroethane	ND		ug/kg	0.98	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.49	--	1
Bromodichloromethane	ND		ug/kg	0.49	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.98	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.49	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.49	--	1
1,1-Dichloropropene	ND		ug/kg	0.49	--	1
Bromoform	ND		ug/kg	3.9	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.49	--	1
Benzene	ND		ug/kg	0.49	--	1
Toluene	1.2		ug/kg	0.98	--	1
Ethylbenzene	ND		ug/kg	0.98	--	1
Chloromethane	ND		ug/kg	3.9	--	1
Bromomethane	ND		ug/kg	2.0	--	1
Vinyl chloride	1.5		ug/kg	0.98	--	1
Chloroethane	ND		ug/kg	2.0	--	1
1,1-Dichloroethene	ND		ug/kg	0.98	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1931286

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931286-04 Date Collected: 07/12/19 12:07

Client ID: SB19-23 (7-9) Date Received: 07/16/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.49	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	--	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	--	1
Methyl tert butyl ether	ND		ug/kg	2.0	--	1
p/m-Xylene	ND		ug/kg	2.0	--	1
o-Xylene	ND		ug/kg	0.98	--	1
Xylenes, Total	ND		ug/kg	0.98	--	1
cis-1,2-Dichloroethene	3.6		ug/kg	0.98	--	1
1,2-Dichloroethene, Total	3.6		ug/kg	0.98	--	1
Dibromomethane	ND		ug/kg	2.0	--	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	--	1
Styrene	ND		ug/kg	0.98	--	1
Dichlorodifluoromethane	ND		ug/kg	9.8	--	1
Acetone	76		ug/kg	9.8	--	1
Carbon disulfide	ND		ug/kg	9.8	--	1
2-Butanone	22		ug/kg	9.8	--	1
4-Methyl-2-pentanone	ND		ug/kg	9.8	--	1
2-Hexanone	ND		ug/kg	9.8	--	1
Bromochloromethane	ND		ug/kg	2.0	--	1
Tetrahydrofuran	ND		ug/kg	3.9	--	1
2,2-Dichloropropane	ND		ug/kg	2.0	--	1
1,2-Dibromoethane	ND		ug/kg	0.98	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.49	--	1
Bromobenzene	ND		ug/kg	2.0	--	1
n-Butylbenzene	ND		ug/kg	0.98	--	1
sec-Butylbenzene	ND		ug/kg	0.98	--	1
tert-Butylbenzene	ND		ug/kg	2.0	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	2.0	--	1
o-Chlorotoluene	ND		ug/kg	2.0	--	1
p-Chlorotoluene	ND		ug/kg	2.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	--	1
Hexachlorobutadiene	ND		ug/kg	3.9	--	1
Isopropylbenzene	ND		ug/kg	0.98	--	1
p-Isopropyltoluene	ND		ug/kg	0.98	--	1
Naphthalene	ND		ug/kg	3.9	--	1
n-Propylbenzene	ND		ug/kg	0.98	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1931286

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931286-04 Date Collected: 07/12/19 12:07

Client ID: SB19-23 (7-9) Date Received: 07/16/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--	1
Ethyl ether	ND		ug/kg	2.0	--	1
Isopropyl Ether	ND		ug/kg	2.0	--	1
Tert-Butyl Alcohol	ND		ug/kg	20	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--	1
1,4-Dioxane	ND		ug/kg	78	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	108		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1931286

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931286-05 Date Collected: 07/12/19 12:20
Client ID: SB19-24 (7-9) Date Received: 07/16/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/21/19 14:47
Analyst: MV
Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.9	--	1
1,1-Dichloroethane	3.6		ug/kg	0.77	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.77	--	1
1,2-Dichloropropane	ND		ug/kg	0.77	--	1
Dibromochloromethane	ND		ug/kg	0.77	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.77	--	1
Tetrachloroethene	ND		ug/kg	0.39	--	1
Chlorobenzene	ND		ug/kg	0.39	--	1
Trichlorofluoromethane	ND		ug/kg	3.1	--	1
1,2-Dichloroethane	ND		ug/kg	0.77	--	1
1,1,1-Trichloroethane	1.8		ug/kg	0.39	--	1
Bromodichloromethane	ND		ug/kg	0.39	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.77	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.39	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.39	--	1
1,1-Dichloropropene	ND		ug/kg	0.39	--	1
Bromoform	ND		ug/kg	3.1	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.39	--	1
Benzene	ND		ug/kg	0.39	--	1
Toluene	ND		ug/kg	0.77	--	1
Ethylbenzene	ND		ug/kg	0.77	--	1
Chloromethane	ND		ug/kg	3.1	--	1
Bromomethane	ND		ug/kg	1.5	--	1
Vinyl chloride	9.1		ug/kg	0.77	--	1
Chloroethane	ND		ug/kg	1.5	--	1
1,1-Dichloroethene	ND		ug/kg	0.77	--	1
trans-1,2-Dichloroethene	3.2		ug/kg	1.2	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1931286

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931286-05 Date Collected: 07/12/19 12:20

Client ID: SB19-24 (7-9) Date Received: 07/16/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.39	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.5	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.5	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.5	--	1
Methyl tert butyl ether	ND		ug/kg	1.5	--	1
p/m-Xylene	ND		ug/kg	1.5	--	1
o-Xylene	ND		ug/kg	0.77	--	1
Xylenes, Total	ND		ug/kg	0.77	--	1
cis-1,2-Dichloroethene	150		ug/kg	0.77	--	1
1,2-Dichloroethene, Total	150		ug/kg	0.77	--	1
Dibromomethane	ND		ug/kg	1.5	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.5	--	1
Styrene	ND		ug/kg	0.77	--	1
Dichlorodifluoromethane	ND		ug/kg	7.7	--	1
Acetone	13		ug/kg	7.7	--	1
Carbon disulfide	ND		ug/kg	7.7	--	1
2-Butanone	ND		ug/kg	7.7	--	1
4-Methyl-2-pentanone	ND		ug/kg	7.7	--	1
2-Hexanone	ND		ug/kg	7.7	--	1
Bromochloromethane	ND		ug/kg	1.5	--	1
Tetrahydrofuran	ND		ug/kg	3.1	--	1
2,2-Dichloropropane	ND		ug/kg	1.5	--	1
1,2-Dibromoethane	ND		ug/kg	0.77	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.39	--	1
Bromobenzene	ND		ug/kg	1.5	--	1
n-Butylbenzene	ND		ug/kg	0.77	--	1
sec-Butylbenzene	ND		ug/kg	0.77	--	1
tert-Butylbenzene	ND		ug/kg	1.5	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.5	--	1
o-Chlorotoluene	ND		ug/kg	1.5	--	1
p-Chlorotoluene	ND		ug/kg	1.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.3	--	1
Hexachlorobutadiene	ND		ug/kg	3.1	--	1
Isopropylbenzene	ND		ug/kg	0.77	--	1
p-Isopropyltoluene	ND		ug/kg	0.77	--	1
Naphthalene	ND		ug/kg	3.1	--	1
n-Propylbenzene	ND		ug/kg	0.77	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1931286

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931286-05 Date Collected: 07/12/19 12:20

Client ID: SB19-24 (7-9) Date Received: 07/16/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.5	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.5	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.5	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.5	--	1
Ethyl ether	ND		ug/kg	1.5	--	1
Isopropyl Ether	ND		ug/kg	1.5	--	1
Tert-Butyl Alcohol	ND		ug/kg	15	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.5	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.5	--	1
1,4-Dioxane	ND		ug/kg	62	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	96		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1931286

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931286-06 Date Collected: 07/12/19 13:50
Client ID: SB19-25 (12.5-15) Date Received: 07/16/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/25/19 21:23
Analyst: MV
Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.8	--	1
1,1-Dichloroethane	ND		ug/kg	0.77	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.77	--	1
1,2-Dichloropropane	ND		ug/kg	0.77	--	1
Dibromochloromethane	ND		ug/kg	0.77	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.77	--	1
Tetrachloroethene	ND		ug/kg	0.38	--	1
Chlorobenzene	ND		ug/kg	0.38	--	1
Trichlorofluoromethane	ND		ug/kg	3.1	--	1
1,2-Dichloroethane	ND		ug/kg	0.77	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.38	--	1
Bromodichloromethane	ND		ug/kg	0.38	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.77	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.38	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.38	--	1
1,1-Dichloropropene	ND		ug/kg	0.38	--	1
Bromoform	ND		ug/kg	3.1	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.38	--	1
Benzene	ND		ug/kg	0.38	--	1
Toluene	ND		ug/kg	0.77	--	1
Ethylbenzene	ND		ug/kg	0.77	--	1
Chloromethane	ND		ug/kg	3.1	--	1
Bromomethane	ND		ug/kg	1.5	--	1
Vinyl chloride	ND		ug/kg	0.77	--	1
Chloroethane	ND		ug/kg	1.5	--	1
1,1-Dichloroethene	ND		ug/kg	0.77	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1931286

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931286-06 Date Collected: 07/12/19 13:50

Client ID: SB19-25 (12.5-15) Date Received: 07/16/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.38	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.5	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.5	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.5	--	1
Methyl tert butyl ether	ND		ug/kg	1.5	--	1
p/m-Xylene	ND		ug/kg	1.5	--	1
o-Xylene	ND		ug/kg	0.77	--	1
Xylenes, Total	ND		ug/kg	0.77	--	1
cis-1,2-Dichloroethene	2.0		ug/kg	0.77	--	1
1,2-Dichloroethene, Total	2.0		ug/kg	0.77	--	1
Dibromomethane	ND		ug/kg	1.5	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.5	--	1
Styrene	ND		ug/kg	0.77	--	1
Dichlorodifluoromethane	ND		ug/kg	7.7	--	1
Acetone	ND		ug/kg	7.7	--	1
Carbon disulfide	ND		ug/kg	7.7	--	1
2-Butanone	ND		ug/kg	7.7	--	1
4-Methyl-2-pentanone	ND		ug/kg	7.7	--	1
2-Hexanone	ND		ug/kg	7.7	--	1
Bromochloromethane	ND		ug/kg	1.5	--	1
Tetrahydrofuran	ND		ug/kg	3.1	--	1
2,2-Dichloropropane	ND		ug/kg	1.5	--	1
1,2-Dibromoethane	ND		ug/kg	0.77	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.38	--	1
Bromobenzene	ND		ug/kg	1.5	--	1
n-Butylbenzene	ND		ug/kg	0.77	--	1
sec-Butylbenzene	ND		ug/kg	0.77	--	1
tert-Butylbenzene	ND		ug/kg	1.5	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.5	--	1
o-Chlorotoluene	ND		ug/kg	1.5	--	1
p-Chlorotoluene	ND		ug/kg	1.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.3	--	1
Hexachlorobutadiene	ND		ug/kg	3.1	--	1
Isopropylbenzene	ND		ug/kg	0.77	--	1
p-Isopropyltoluene	ND		ug/kg	0.77	--	1
Naphthalene	ND		ug/kg	3.1	--	1
n-Propylbenzene	ND		ug/kg	0.77	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1931286

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931286-06 Date Collected: 07/12/19 13:50

Client ID: SB19-25 (12.5-15) Date Received: 07/16/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.5	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.5	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.5	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.5	--	1
Ethyl ether	ND		ug/kg	1.5	--	1
Isopropyl Ether	ND		ug/kg	1.5	--	1
Tert-Butyl Alcohol	ND		ug/kg	15	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.5	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.5	--	1
1,4-Dioxane	ND		ug/kg	62	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	109		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1931286

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931286-07 Date Collected: 07/03/19 08:38
Client ID: TRIP BLANK Date Received: 07/16/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/25/19 19:33
Analyst: MV
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	--	1
1,1-Dichloroethane	ND		ug/kg	1.0	--	1
Chloroform	ND		ug/kg	1.5	--	1
Carbon tetrachloride	ND		ug/kg	1.0	--	1
1,2-Dichloropropane	ND		ug/kg	1.0	--	1
Dibromochloromethane	ND		ug/kg	1.0	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	--	1
Tetrachloroethene	ND		ug/kg	0.50	--	1
Chlorobenzene	ND		ug/kg	0.50	--	1
Trichlorofluoromethane	ND		ug/kg	4.0	--	1
1,2-Dichloroethane	ND		ug/kg	1.0	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	--	1
Bromodichloromethane	ND		ug/kg	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--	1
1,1-Dichloropropene	ND		ug/kg	0.50	--	1
Bromoform	ND		ug/kg	4.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--	1
Benzene	ND		ug/kg	0.50	--	1
Toluene	ND		ug/kg	1.0	--	1
Ethylbenzene	ND		ug/kg	1.0	--	1
Chloromethane	ND		ug/kg	4.0	--	1
Bromomethane	ND		ug/kg	2.0	--	1
Vinyl chloride	ND		ug/kg	1.0	--	1
Chloroethane	ND		ug/kg	2.0	--	1
1,1-Dichloroethene	ND		ug/kg	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1931286

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931286-07 Date Collected: 07/03/19 08:38

Client ID: TRIP BLANK Date Received: 07/16/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.50	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	--	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	--	1
Methyl tert butyl ether	ND		ug/kg	2.0	--	1
p/m-Xylene	ND		ug/kg	2.0	--	1
o-Xylene	ND		ug/kg	1.0	--	1
Xylenes, Total	ND		ug/kg	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--	1
Dibromomethane	ND		ug/kg	2.0	--	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	--	1
Styrene	ND		ug/kg	1.0	--	1
Dichlorodifluoromethane	ND		ug/kg	10	--	1
Acetone	ND		ug/kg	10	--	1
Carbon disulfide	ND		ug/kg	10	--	1
2-Butanone	ND		ug/kg	10	--	1
4-Methyl-2-pentanone	ND		ug/kg	10	--	1
2-Hexanone	ND		ug/kg	10	--	1
Bromochloromethane	ND		ug/kg	2.0	--	1
Tetrahydrofuran	ND		ug/kg	4.0	--	1
2,2-Dichloropropane	ND		ug/kg	2.0	--	1
1,2-Dibromoethane	ND		ug/kg	1.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--	1
Bromobenzene	ND		ug/kg	2.0	--	1
n-Butylbenzene	ND		ug/kg	1.0	--	1
sec-Butylbenzene	ND		ug/kg	1.0	--	1
tert-Butylbenzene	ND		ug/kg	2.0	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	2.0	--	1
o-Chlorotoluene	ND		ug/kg	2.0	--	1
p-Chlorotoluene	ND		ug/kg	2.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--	1
Hexachlorobutadiene	ND		ug/kg	4.0	--	1
Isopropylbenzene	ND		ug/kg	1.0	--	1
p-Isopropyltoluene	ND		ug/kg	1.0	--	1
Naphthalene	ND		ug/kg	4.0	--	1
n-Propylbenzene	ND		ug/kg	1.0	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1931286

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931286-07 Date Collected: 07/03/19 08:38

Client ID: TRIP BLANK Date Received: 07/16/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--	1
Ethyl ether	ND		ug/kg	2.0	--	1
Isopropyl Ether	ND		ug/kg	2.0	--	1
Tert-Butyl Alcohol	ND		ug/kg	20	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--	1
1,4-Dioxane	ND		ug/kg	80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	103		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1931286

Project Number: 0231841 **Report Date:** 08/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/21/19 13:12
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 05 Batch: WG1262730-5					
Methylene chloride	ND		ug/kg	5.0	--
1,1-Dichloroethane	ND		ug/kg	1.0	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	1.0	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.0	--
Tetrachloroethene	ND		ug/kg	0.50	--
Chlorobenzene	ND		ug/kg	0.50	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	0.50	--
Bromodichloromethane	ND		ug/kg	0.50	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--
1,1-Dichloropropene	ND		ug/kg	0.50	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--
Benzene	ND		ug/kg	0.50	--
Toluene	ND		ug/kg	1.0	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	1.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	0.50	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1931286

Project Number: 0231841 **Report Date:** 08/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/21/19 13:12
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 05 Batch: WG1262730-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	--
1,3-Dichlorobenzene	ND		ug/kg	2.0	--
1,4-Dichlorobenzene	ND		ug/kg	2.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	1.0	--
Xylenes, Total	ND		ug/kg	1.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	2.0	--
1,2,3-Trichloropropane	ND		ug/kg	2.0	--
Styrene	ND		ug/kg	1.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	10	--
Carbon disulfide	ND		ug/kg	10	--
2-Butanone	ND		ug/kg	10	--
4-Methyl-2-pentanone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Bromochloromethane	ND		ug/kg	2.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	2.0	--
1,2-Dibromoethane	ND		ug/kg	1.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--
Bromobenzene	ND		ug/kg	2.0	--
n-Butylbenzene	ND		ug/kg	1.0	--
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	2.0	--
1,3,5-Trichlorobenzene	ND		ug/kg	2.0	--
o-Chlorotoluene	ND		ug/kg	2.0	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1931286

Project Number: 0231841 **Report Date:** 08/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/21/19 13:12
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 05 Batch: WG1262730-5					
p-Chlorotoluene	ND		ug/kg	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--
Ethyl ether	ND		ug/kg	2.0	--
Isopropyl Ether	ND		ug/kg	2.0	--
Tert-Butyl Alcohol	ND		ug/kg	20	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--
1,4-Dioxane	ND		ug/kg	80	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	81		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	91		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1931286

Project Number: 0231841 **Report Date:** 08/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/25/19 07:38
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1264490-5					
Methylene chloride	ND		ug/kg	5.0	--
1,1-Dichloroethane	ND		ug/kg	1.0	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	1.0	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.0	--
Tetrachloroethene	ND		ug/kg	0.50	--
Chlorobenzene	ND		ug/kg	0.50	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	0.50	--
Bromodichloromethane	ND		ug/kg	0.50	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--
1,1-Dichloropropene	ND		ug/kg	0.50	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--
Benzene	ND		ug/kg	0.50	--
Toluene	ND		ug/kg	1.0	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	1.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	0.50	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1931286

Project Number: 0231841 **Report Date:** 08/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/25/19 07:38
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1264490-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	--
1,3-Dichlorobenzene	ND		ug/kg	2.0	--
1,4-Dichlorobenzene	ND		ug/kg	2.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	1.0	--
Xylenes, Total	ND		ug/kg	1.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	2.0	--
1,2,3-Trichloropropane	ND		ug/kg	2.0	--
Styrene	ND		ug/kg	1.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	10	--
Carbon disulfide	ND		ug/kg	10	--
2-Butanone	ND		ug/kg	10	--
4-Methyl-2-pentanone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Bromochloromethane	ND		ug/kg	2.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	2.0	--
1,2-Dibromoethane	ND		ug/kg	1.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--
Bromobenzene	ND		ug/kg	2.0	--
n-Butylbenzene	ND		ug/kg	1.0	--
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	2.0	--
1,3,5-Trichlorobenzene	ND		ug/kg	2.0	--
o-Chlorotoluene	ND		ug/kg	2.0	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1931286

Project Number: 0231841 **Report Date:** 08/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/25/19 07:38
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1264490-5					
p-Chlorotoluene	ND		ug/kg	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--
Ethyl ether	ND		ug/kg	2.0	--
Isopropyl Ether	ND		ug/kg	2.0	--
Tert-Butyl Alcohol	ND		ug/kg	20	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--
1,4-Dioxane	ND		ug/kg	80	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	91		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1931286

Project Number: 0231841 **Report Date:** 08/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/25/19 12:41
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-04,06-07 Batch: WG1264825-5					
Methylene chloride	ND		ug/kg	5.0	--
1,1-Dichloroethane	ND		ug/kg	1.0	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	1.0	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.0	--
Tetrachloroethene	ND		ug/kg	0.50	--
Chlorobenzene	ND		ug/kg	0.50	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	0.50	--
Bromodichloromethane	ND		ug/kg	0.50	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--
1,1-Dichloropropene	ND		ug/kg	0.50	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--
Benzene	ND		ug/kg	0.50	--
Toluene	ND		ug/kg	1.0	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	1.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	0.50	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1931286

Project Number: 0231841 **Report Date:** 08/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/25/19 12:41
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-04,06-07 Batch: WG1264825-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	--
1,3-Dichlorobenzene	ND		ug/kg	2.0	--
1,4-Dichlorobenzene	ND		ug/kg	2.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	1.0	--
Xylenes, Total	ND		ug/kg	1.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	2.0	--
1,2,3-Trichloropropane	ND		ug/kg	2.0	--
Styrene	ND		ug/kg	1.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	10	--
Carbon disulfide	ND		ug/kg	10	--
2-Butanone	ND		ug/kg	10	--
4-Methyl-2-pentanone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Bromochloromethane	ND		ug/kg	2.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	2.0	--
1,2-Dibromoethane	ND		ug/kg	1.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--
Bromobenzene	ND		ug/kg	2.0	--
n-Butylbenzene	ND		ug/kg	1.0	--
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	2.0	--
1,3,5-Trichlorobenzene	ND		ug/kg	2.0	--
o-Chlorotoluene	ND		ug/kg	2.0	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1931286

Project Number: 0231841 **Report Date:** 08/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/25/19 12:41
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-04,06-07 Batch: WG1264825-5					
p-Chlorotoluene	ND		ug/kg	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--
Ethyl ether	ND		ug/kg	2.0	--
Isopropyl Ether	ND		ug/kg	2.0	--
Tert-Butyl Alcohol	ND		ug/kg	20	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--
1,4-Dioxane	ND		ug/kg	80	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	104		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1931286
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 05 Batch: WG1262730-3 WG1262730-4								
Methylene chloride	98		97		70-130	1		30
1,1-Dichloroethane	105		104		70-130	1		30
Chloroform	104		103		70-130	1		30
Carbon tetrachloride	98		97		70-130	1		30
1,2-Dichloropropane	107		108		70-130	1		30
Dibromochloromethane	96		94		70-130	2		30
1,1,2-Trichloroethane	111		107		70-130	4		30
Tetrachloroethene	106		103		70-130	3		30
Chlorobenzene	99		98		70-130	1		30
Trichlorofluoromethane	98		95		70-139	3		30
1,2-Dichloroethane	86		85		70-130	1		30
1,1,1-Trichloroethane	104		103		70-130	1		30
Bromodichloromethane	103		102		70-130	1		30
trans-1,3-Dichloropropene	104		102		70-130	2		30
cis-1,3-Dichloropropene	110		110		70-130	0		30
1,1-Dichloropropene	114		114		70-130	0		30
Bromoform	101		97		70-130	4		30
1,1,2,2-Tetrachloroethane	101		98		70-130	3		30
Benzene	110		108		70-130	2		30
Toluene	107		106		70-130	1		30
Ethylbenzene	109		107		70-130	2		30
Chloromethane	95		90		52-130	5		30
Bromomethane	113		108		57-147	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1931286
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 05 Batch: WG1262730-3 WG1262730-4								
Vinyl chloride	113		110		67-130	3		30
Chloroethane	125		123		50-151	2		30
1,1-Dichloroethene	116		113		65-135	3		30
trans-1,2-Dichloroethene	114		110		70-130	4		30
Trichloroethene	110		110		70-130	0		30
1,2-Dichlorobenzene	90		91		70-130	1		30
1,3-Dichlorobenzene	94		93		70-130	1		30
1,4-Dichlorobenzene	92		91		70-130	1		30
Methyl tert butyl ether	95		94		66-130	1		30
p/m-Xylene	104		104		70-130	0		30
o-Xylene	104		101		70-130	3		30
cis-1,2-Dichloroethene	112		111		70-130	1		30
Dibromomethane	105		103		70-130	2		30
1,2,3-Trichloropropane	93		93		68-130	0		30
Styrene	104		101		70-130	3		30
Dichlorodifluoromethane	80		77		30-146	4		30
Acetone	86		75		54-140	14		30
Carbon disulfide	111		107		59-130	4		30
2-Butanone	**69**	Q	71		70-130	3		30
4-Methyl-2-pentanone	102		98		70-130	4		30
2-Hexanone	80		78		70-130	3		30
Bromochloromethane	105		105		70-130	0		30
Tetrahydrofuran	87		98		66-130	12		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1931286
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 05 Batch: WG1262730-3 WG1262730-4								
2,2-Dichloropropane	107		103		70-130	4		30
1,2-Dibromoethane	102		98		70-130	4		30
1,1,1,2-Tetrachloroethane	97		96		70-130	1		30
Bromobenzene	98		96		70-130	2		30
n-Butylbenzene	106		105		70-130	1		30
sec-Butylbenzene	100		99		70-130	1		30
tert-Butylbenzene	97		97		70-130	0		30
1,3,5-Trichlorobenzene	100		98		70-139	2		30
o-Chlorotoluene	85		86		70-130	1		30
p-Chlorotoluene	101		100		70-130	1		30
1,2-Dibromo-3-chloropropane	87		84		68-130	4		30
Hexachlorobutadiene	113		113		67-130	0		30
Isopropylbenzene	101		99		70-130	2		30
p-Isopropyltoluene	98		98		70-130	0		30
Naphthalene	110		101		70-130	9		30
n-Propylbenzene	107		104		70-130	3		30
1,2,3-Trichlorobenzene	91		92		70-130	1		30
1,2,4-Trichlorobenzene	98		96		70-130	2		30
1,3,5-Trimethylbenzene	98		98		70-130	0		30
1,2,4-Trimethylbenzene	96		95		70-130	1		30
Ethyl ether	107		106		67-130	1		30
Isopropyl Ether	91		90		66-130	1		30
Tert-Butyl Alcohol	90		88		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1931286
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 05 Batch: WG1262730-3 WG1262730-4								
Ethyl-Tert-Butyl-Ether	96		96		70-130	0		30
Tertiary-Amyl Methyl Ether	100		98		70-130	2		30
1,4-Dioxane	118		112		65-136	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	83		83		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	97		98		70-130
Dibromofluoromethane	93		95		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1931286
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1264490-3 WG1264490-4								
Methylene chloride	91		88		70-130	3		30
1,1-Dichloroethane	104		101		70-130	3		30
Chloroform	98		95		70-130	3		30
Carbon tetrachloride	99		95		70-130	4		30
1,2-Dichloropropane	104		101		70-130	3		30
Dibromochloromethane	106		103		70-130	3		30
1,1,2-Trichloroethane	102		99		70-130	3		30
Tetrachloroethene	109		105		70-130	4		30
Chlorobenzene	107		104		70-130	3		30
Trichlorofluoromethane	71		**67**	Q	70-139	6		30
1,2-Dichloroethane	96		94		70-130	2		30
1,1,1-Trichloroethane	100		98		70-130	2		30
Bromodichloromethane	98		96		70-130	2		30
trans-1,3-Dichloropropene	107		104		70-130	3		30
cis-1,3-Dichloropropene	101		99		70-130	2		30
1,1-Dichloropropene	100		98		70-130	2		30
Bromoform	95		94		70-130	1		30
1,1,2,2-Tetrachloroethane	103		102		70-130	1		30
Benzene	101		98		70-130	3		30
Toluene	106		101		70-130	5		30
Ethylbenzene	107		103		70-130	4		30
Chloromethane	125		118		52-130	6		30
Bromomethane	66		65		57-147	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1931286
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1264490-3 WG1264490-4								
Vinyl chloride	84		79		67-130	6		30
Chloroethane	64		61		50-151	5		30
1,1-Dichloroethene	100		94		65-135	6		30
trans-1,2-Dichloroethene	101		97		70-130	4		30
Trichloroethene	101		96		70-130	5		30
1,2-Dichlorobenzene	107		105		70-130	2		30
1,3-Dichlorobenzene	110		107		70-130	3		30
1,4-Dichlorobenzene	108		107		70-130	1		30
Methyl tert butyl ether	87		85		66-130	2		30
p/m-Xylene	108		105		70-130	3		30
o-Xylene	102		100		70-130	2		30
cis-1,2-Dichloroethene	100		96		70-130	4		30
Dibromomethane	94		92		70-130	2		30
1,2,3-Trichloropropane	97		96		68-130	1		30
Styrene	101		99		70-130	2		30
Dichlorodifluoromethane	83		80		30-146	4		30
Acetone	113		111		54-140	2		30
Carbon disulfide	87		84		59-130	4		30
2-Butanone	106		106		70-130	0		30
4-Methyl-2-pentanone	99		96		70-130	3		30
2-Hexanone	112		110		70-130	2		30
Bromochloromethane	98		98		70-130	0		30
Tetrahydrofuran	117		115		66-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1931286
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1264490-3 WG1264490-4								
2,2-Dichloropropane	99		94		70-130	5		30
1,2-Dibromoethane	104		102		70-130	2		30
1,1,1,2-Tetrachloroethane	106		104		70-130	2		30
Bromobenzene	106		104		70-130	2		30
n-Butylbenzene	111		108		70-130	3		30
sec-Butylbenzene	110		107		70-130	3		30
tert-Butylbenzene	108		106		70-130	2		30
1,3,5-Trichlorobenzene	112		108		70-139	4		30
o-Chlorotoluene	106		104		70-130	2		30
p-Chlorotoluene	108		106		70-130	2		30
1,2-Dibromo-3-chloropropane	97		96		68-130	1		30
Hexachlorobutadiene	108		105		67-130	3		30
Isopropylbenzene	109		106		70-130	3		30
p-Isopropyltoluene	111		108		70-130	3		30
Naphthalene	105		103		70-130	2		30
n-Propylbenzene	110		108		70-130	2		30
1,2,3-Trichlorobenzene	110		108		70-130	2		30
1,2,4-Trichlorobenzene	116		111		70-130	4		30
1,3,5-Trimethylbenzene	108		106		70-130	2		30
1,2,4-Trimethylbenzene	109		106		70-130	3		30
Ethyl ether	88		86		67-130	2		30
Isopropyl Ether	**132**	Q	127		66-130	4		30
Tert-Butyl Alcohol	98		97		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1931286
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1264490-3 WG1264490-4								
Ethyl-Tert-Butyl-Ether	105		102		70-130	3		30
Tertiary-Amyl Methyl Ether	93		90		70-130	3		30
1,4-Dioxane	88		94		65-136	7		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		95		70-130
Toluene-d8	105		104		70-130
4-Bromofluorobenzene	98		99		70-130
Dibromofluoromethane	95		96		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1931286
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-04,06-07 Batch: WG1264825-3 WG1264825-4								
Methylene chloride	104		106		70-130	2		30
1,1-Dichloroethane	108		108		70-130	0		30
Chloroform	111		113		70-130	2		30
Carbon tetrachloride	111		112		70-130	1		30
1,2-Dichloropropane	100		101		70-130	1		30
Dibromochloromethane	99		103		70-130	4		30
1,1,2-Trichloroethane	104		107		70-130	3		30
Tetrachloroethene	108		108		70-130	0		30
Chlorobenzene	103		105		70-130	2		30
Trichlorofluoromethane	**198**	Q	**197**	Q	70-139	1		30
1,2-Dichloroethane	115		118		70-130	3		30
1,1,1-Trichloroethane	116		116		70-130	0		30
Bromodichloromethane	110		115		70-130	4		30
trans-1,3-Dichloropropene	104		111		70-130	7		30
cis-1,3-Dichloropropene	110		114		70-130	4		30
1,1-Dichloropropene	115		112		70-130	3		30
Bromoform	94		99		70-130	5		30
1,1,2,2-Tetrachloroethane	95		100		70-130	5		30
Benzene	105		106		70-130	1		30
Toluene	99		102		70-130	3		30
Ethylbenzene	108		110		70-130	2		30
Chloromethane	93		92		52-130	1		30
Bromomethane	**172**	Q	**172**	Q	57-147	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1931286
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-04,06-07 Batch: WG1264825-3 WG1264825-4								
Vinyl chloride	**148**	Q	**148**	Q	67-130	0		30
Chloroethane	**200**	Q	**199**	Q	50-151	1		30
1,1-Dichloroethene	135		**136**	Q	65-135	1		30
trans-1,2-Dichloroethene	108		108		70-130	0		30
Trichloroethene	114		115		70-130	1		30
1,2-Dichlorobenzene	100		100		70-130	0		30
1,3-Dichlorobenzene	101		103		70-130	2		30
1,4-Dichlorobenzene	102		103		70-130	1		30
Methyl tert butyl ether	97		100		66-130	3		30
p/m-Xylene	108		110		70-130	2		30
o-Xylene	106		108		70-130	2		30
cis-1,2-Dichloroethene	105		105		70-130	0		30
Dibromomethane	111		116		70-130	4		30
1,2,3-Trichloropropane	102		105		68-130	3		30
Styrene	108		109		70-130	1		30
Dichlorodifluoromethane	104		103		30-146	1		30
Acetone	106		110		54-140	4		30
Carbon disulfide	**133**	Q	130		59-130	2		30
2-Butanone	88		91		70-130	3		30
4-Methyl-2-pentanone	92		95		70-130	3		30
2-Hexanone	82		91		70-130	10		30
Bromochloromethane	105		108		70-130	3		30
Tetrahydrofuran	78		80		66-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1931286
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-04,06-07 Batch: WG1264825-3 WG1264825-4								
2,2-Dichloropropane	115		115		70-130	0		30
1,2-Dibromoethane	103		108		70-130	5		30
1,1,1,2-Tetrachloroethane	105		106		70-130	1		30
Bromobenzene	95		96		70-130	1		30
n-Butylbenzene	116		115		70-130	1		30
sec-Butylbenzene	102		100		70-130	2		30
tert-Butylbenzene	102		103		70-130	1		30
1,3,5-Trichlorobenzene	108		107		70-139	1		30
o-Chlorotoluene	100		101		70-130	1		30
p-Chlorotoluene	102		102		70-130	0		30
1,2-Dibromo-3-chloropropane	96		97		68-130	1		30
Hexachlorobutadiene	98		99		67-130	1		30
Isopropylbenzene	102		102		70-130	0		30
p-Isopropyltoluene	106		105		70-130	1		30
Naphthalene	93		96		70-130	3		30
n-Propylbenzene	108		106		70-130	2		30
1,2,3-Trichlorobenzene	101		104		70-130	3		30
1,2,4-Trichlorobenzene	104		105		70-130	1		30
1,3,5-Trimethylbenzene	106		104		70-130	2		30
1,2,4-Trimethylbenzene	105		106		70-130	1		30
Ethyl ether	**173**	Q	**176**	Q	67-130	2		30
Isopropyl Ether	88		90		66-130	2		30
Tert-Butyl Alcohol	97		98		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1931286
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-04,06-07 Batch: WG1264825-3 WG1264825-4								
Ethyl-Tert-Butyl-Ether	98		102		70-130	4		30
Tertiary-Amyl Methyl Ether	102		105		70-130	3		30
1,4-Dioxane	85		86		65-136	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	114		116		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	90		90		70-130
Dibromofluoromethane	105		106		70-130

INORGANICS
&
MISCELLANEOUS

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1931286
Report Date: 08/02/19

SAMPLE RESULTS

Lab ID: L1931286-01
Client ID: SB19-20 (17.5-20)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/12/19 09:00
Date Received: 07/16/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon	0.012		%	0.010	--	1	-	07/31/19 18:13	1,9060A	SP
Grain Size Analysis - Mansfield Lab										
Cobbles	ND		%	0.100	NA	1	-	07/27/19 12:15	12,D6913/D7928	MC
% Coarse Gravel	ND		%	0.100	NA	1	-	07/27/19 12:15	12,D6913/D7928	MC
% Fine Gravel	ND		%	0.100	NA	1	-	07/27/19 12:15	12,D6913/D7928	MC
% Total Gravel	ND		%	0.100	NA	1	-	07/27/19 12:15	12,D6913/D7928	MC
% Coarse Sand	ND		%	0.100	NA	1	-	07/27/19 12:15	12,D6913/D7928	MC
% Medium Sand	0.100		%	0.100	NA	1	-	07/27/19 12:15	12,D6913/D7928	MC
% Fine Sand	29.4		%	0.100	NA	1	-	07/27/19 12:15	12,D6913/D7928	MC
% Total Sand	29.5		%	0.100	NA	1	-	07/27/19 12:15	12,D6913/D7928	MC
% Total Fines	70.5		%	0.100	NA	1	-	07/27/19 12:15	12,D6913/D7928	MC
General Chemistry - Westborough Lab										
Solids, Total	74.7		%	0.100	NA	1	-	07/17/19 03:21	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1931286
Report Date: 08/02/19

SAMPLE RESULTS

Lab ID: L1931286-02
Client ID: SB19-21 (5-7)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/12/19 09:59
Date Received: 07/16/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.0		%	0.100	NA	1	-	07/17/19 03:21	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1931286
Report Date: 08/02/19

SAMPLE RESULTS

Lab ID: L1931286-03
Client ID: SB19-22 (5-7.5)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/12/19 10:59
Date Received: 07/16/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.2		%	0.100	NA	1	-	07/17/19 03:21	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1931286
Report Date: 08/02/19

SAMPLE RESULTS

Lab ID: L1931286-04
Client ID: SB19-23 (7-9)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/12/19 12:07
Date Received: 07/16/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	70.5		%	0.100	NA	1	-	07/17/19 03:21	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1931286
Report Date: 08/02/19

SAMPLE RESULTS

Lab ID: L1931286-05
Client ID: SB19-24 (7-9)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/12/19 12:20
Date Received: 07/16/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.6		%	0.100	NA	1	-	07/17/19 03:21	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1931286
Report Date: 08/02/19

SAMPLE RESULTS

Lab ID: L1931286-06
Client ID: SB19-25 (12.5-15)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/12/19 13:50
Date Received: 07/16/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.2		%	0.100	NA	1	-	07/17/19 03:21	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1931286
Report Date: 08/02/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab for sample(s): 01 Batch: WG1267823-1										
Total Organic Carbon	ND		%	0.010	--	1	-	07/31/19 18:13	1,9060A	SP

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 0231841

Lab Number: L1931286

Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Organic Carbon - Mansfield Lab Associated sample(s): 01 Batch: WG1267823-2								
Total Organic Carbon	89		-		75-125	-		25

Matrix Spike Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1931286
Report Date: 08/02/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Organic Carbon - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1267823-4 QC Sample: L1931284-01 Client ID: MS Sample												
Total Organic Carbon	0.026	0.876	0.886	98		-	-		75-125	-		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1931286
Report Date: 08/02/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1260753-1 QC Sample: L1931286-06 Client ID: SB19-25 (12.5-15)						
Solids, Total	76.2	77.6	%	2		20
Grain Size Analysis - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1265395-1 QC Sample: L1931286-01 Client ID: SB19-20 (17.5-20)						
Cobbles	ND	ND	%	NC		20
% Coarse Gravel	ND	ND	%	NC		20
% Fine Gravel	ND	ND	%	NC		20
% Total Gravel	ND	ND	%	NC		20
% Coarse Sand	ND	ND	%	NC		20
% Medium Sand	0.100	0.100	%	0		20
% Fine Sand	29.4	31.5	%	7		20
% Total Sand	29.5	31.6	%	7		20
% Total Fines	70.5	68.4	%	3		20
Total Organic Carbon - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1267823-3 QC Sample: L1931284-01 Client ID: DUP Sample						
Total Organic Carbon	0.026	0.023	%	12		25

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1931286
Report Date: 08/02/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1931286-01A	Vial MeOH preserved	A	NA		4.0	Y	Absent		8260HLW-NH(14)
L1931286-01B	Vial water preserved	A	NA		4.0	Y	Absent	12-JUN-19 15:45	8260HLW-NH(14)
L1931286-01C	Vial water preserved	A	NA		4.0	Y	Absent	12-JUN-19 15:45	8260HLW-NH(14)
L1931286-01D	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L1931286-01E	Glass 120ml/4oz unpreserved	A	NA		4.0	Y	Absent		A2-TOC-9060(28)
L1931286-01F	Plastic 8oz unpreserved for Grain Size	A	NA		4.0	Y	Absent		A2-HYDRO-TFINE(),A2-HYDRO-CGRAVEL(),A2-HYDRO-COBBLES(W)(),A2-HYDRO-FSAND(),A2-HYDRO-GRANULE(W)(),A2-HYDRO-CLAY(W)(),A2-HYDRO-MSAND(),A2-HYDRO-VFSAND(W)(),A2-HYDRO-SILT(W)(),A2-HYDRO-TGRAVEL(),A2-HYDRO-CSAND(),A2-HYDRO-PEBBLE(W)(),A2-HYDRO-FSAND(W)(),A2-HYDRO-TSAND(),A2-HYDRO-BOULDER(W)(),A2-HYDRO-CSAND(W)(),A2-HYDRO-MSAND(W)(),A2-HYDRO-VCSAND(W)(),A2-HYDRO-COBBLES(),A2-HYDRO-FGRAVEL()
L1931286-02A	Vial MeOH preserved	A	NA		4.0	Y	Absent		8260HLW-NH(14)
L1931286-02B	Vial water preserved	A	NA		4.0	Y	Absent	12-JUN-19 15:45	8260HLW-NH(14)
L1931286-02C	Vial water preserved	A	NA		4.0	Y	Absent	12-JUN-19 15:45	8260HLW-NH(14)
L1931286-02D	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L1931286-03A	Vial MeOH preserved	A	NA		4.0	Y	Absent		8260HLW-NH(14)
L1931286-03B	Vial water preserved	A	NA		4.0	Y	Absent	12-JUN-19 15:45	8260HLW-NH(14)
L1931286-03C	Vial water preserved	A	NA		4.0	Y	Absent	12-JUN-19 15:45	8260HLW-NH(14)
L1931286-03D	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L1931286-04A	Vial MeOH preserved	A	NA		4.0	Y	Absent		8260HLW-NH(14)
L1931286-04B	Vial water preserved	A	NA		4.0	Y	Absent	12-JUN-19 15:45	8260HLW-NH(14)
L1931286-04C	Vial water preserved	A	NA		4.0	Y	Absent	12-JUN-19 15:45	8260HLW-NH(14)

*Values in parentheses indicate holding time in days

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1931286
Report Date: 08/02/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1931286-04D	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L1931286-05A	Vial MeOH preserved	A	NA		4.0	Y	Absent		8260HLW-NH(14)
L1931286-05B	Vial water preserved	A	NA		4.0	Y	Absent	12-JUN-19 15:45	8260HLW-NH(14)
L1931286-05C	Vial water preserved	A	NA		4.0	Y	Absent	12-JUN-19 15:45	8260HLW-NH(14)
L1931286-05D	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L1931286-06A	Vial MeOH preserved	A	NA		4.0	Y	Absent		8260HLW-NH(14)
L1931286-06B	Vial water preserved	A	NA		4.0	Y	Absent	12-JUN-19 15:45	8260HLW-NH(14)
L1931286-06C	Vial water preserved	A	NA		4.0	Y	Absent	12-JUN-19 15:45	8260HLW-NH(14)
L1931286-06D	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L1931286-07A	Vial MeOH preserved	A	NA		4.0	Y	Absent		8260HLW-NH(14)
L1931286-07B	Vial water preserved	A	NA		4.0	Y	Absent	12-JUN-19 15:45	8260HLW-NH(14)

*Values in parentheses indicate holding time in days

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1931286
Project Number:	0231841	**Report Date:**	08/02/19

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: Data Usability Report

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1931286
Project Number:	0231841	**Report Date:**	08/02/19

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: Data Usability Report

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

12 Annual Book of ASTM Standards. (American Society for Testing and Materials) ASTM International.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

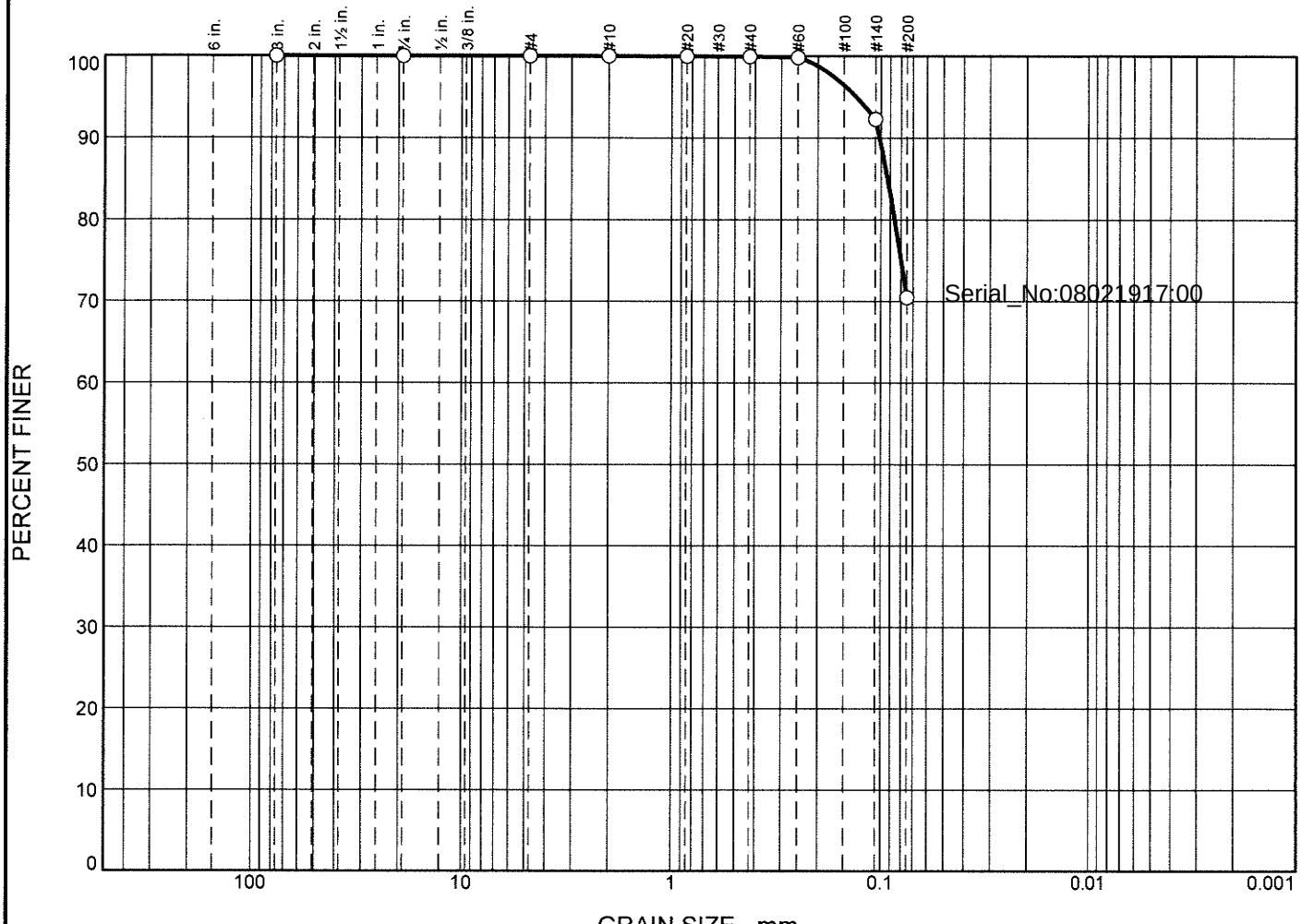
Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

ASTM D6913/D7928

GRAIN SIZE ANALYSIS

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	0.1	29.4	70.5	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				0.0928							

Material Description	USCS	AASHTO
○		

Project No. **Client:**

Project:

○ **Source of Sample:** SB19-20 (17.5-20) **Sample Number:** L1931286-01

Date: ○

Alpha Analytical

Mansfield, MA

Remarks:

○ Sampled by SM

Tested by MCH

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

8/1/2019

Location: SB19-20 (17.5-20)
Sample Number: L1931286-01
Testing Remarks: Sampled by SM
Tested by MCH

Sieve Test Data

Post #200 Wash Test Weights (grams): **Dry Sample and Tare =** 80.42
Tare Wt. = 0.00
Minus #200 from wash = 0.0%

Serial_No:08021917:00

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer
80.42	0.00	3	0.00	0.00	100.0
		0.75	0.00	0.00	100.0
		#4	0.00	0.00	100.0
		#10	0.00	0.00	100.0
		#20	0.03	0.00	100.0
		#40	0.03	0.00	99.9
		#60	0.07	0.00	99.8
		#140	6.08	0.00	92.3
		#200	17.52	0.00	70.5

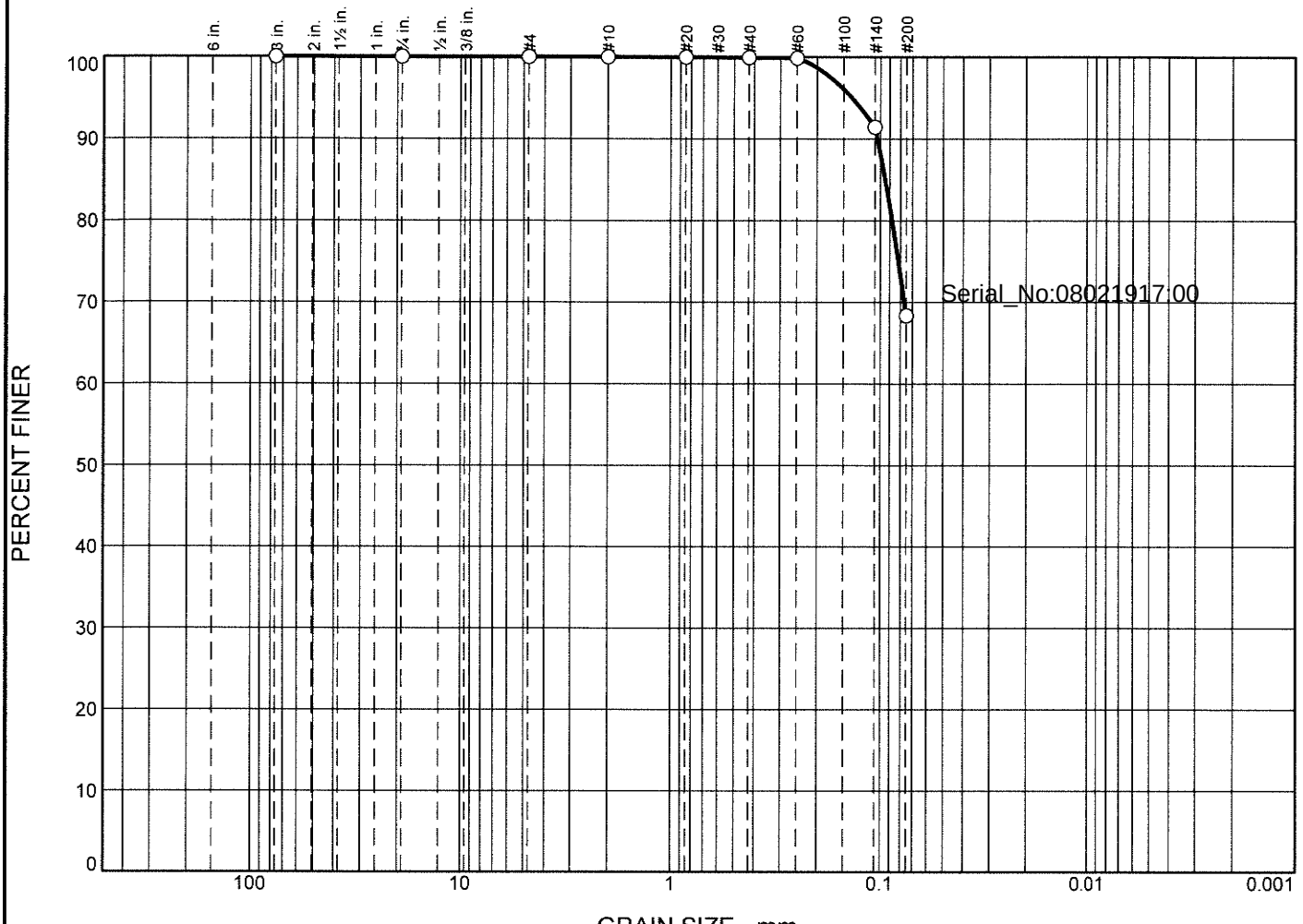
Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	0.0	0.0	0.0	0.1	29.4	29.5			70.5

D_5	D_{10}	D_{15}	D_{20}	D_{30}	D_{40}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
								0.0859	0.0928	0.1012	0.1310

Fineness Modulus
0.04

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	0.1	31.5	68.4	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				0.0947							

	Material Description	USCS	AASHTO
○			

Project No. **Client:**

Project:

○ **Source of Sample:** SB19-20 (17.5-20) **Sample Number:** WG1265395-1

Date: ○

Alpha Analytical

Mansfield, MA

Remarks:

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

8/1/2019

Location: SB19-20 (17.5-20)

Sample Number: WG1265395-1

Sieve Test Data

Post #200 Wash Test Weights (grams): **Dry Sample and Tare =** 83.47
Tare Wt. = 0.00
Minus #200 from wash = 0.0%

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer
83.47	0.00	3	0.00	0.00	100.0
		0.75	0.00	0.00	100.0
		#4	0.00	0.00	100.0
		#10	0.00	0.00	100.0
		#20	0.03	0.00	100.0
		#40	0.04	0.00	99.9
		#60	0.05	0.00	99.9
		#140	7.03	0.00	91.4
		#200	19.24	0.00	68.4

Serial_No:08021917:00

Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	0.0	0.0	0.0	0.1	31.5	31.6			68.4

D_5	D_{10}	D_{15}	D_{20}	D_{30}	D_{40}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
								0.0878	0.0947	0.1031	0.1367

Fineness Modulus
0.04

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 7/16/19

ALPHA Job #: L1931286

ALPHA Analytical
8 Walkup Drive, Westboro, MA 01581, Tel: 508-898-9220
320 Forbes Blvd, Mansfield, MA 02048, Tel: 508-822-9300

Client Information

Client: Woodard & Curran

Address: 40 Shattuck Rd
Andover, MA

Phone: 978-482-7838

Email: sdacey@woodardcurran.com
kdicke@woodardcurran.com

Project Information

Project Name: Salem Former WWTP

Project Location: Salem, NH

Project #: 0231841

Project Manager: Jared Yoder

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due:

Report Information - Data Deliverables

☒ ADEx ☒ EMAIL

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements & Project Information Requirements

☐ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods
☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
☐ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)
☐ Yes ☐ No NPDES RGP
☐ Other State /Fed Program _____ Criteria _____

Additional Project Information:

VOC DI water

Preserved frozen on 7/12/19 @ 1545

ANALYSIS

- VOC: ☒ 8260 ☐ 624 ☐ 524.2
- SVOC: ☐ ABN ☐ PAH
- METALS: ☐ MCP 13 ☐ MCP 14 ☐ RCP 15
- METALS: ☐ RCRA5 ☐ RCRA8 ☐ PP13
- EPH: ☐ Ranges & Targets ☐ Ranges Only
- VPH: ☐ Ranges & Targets ☐ Ranges Only
- ☐ PCB ☐ PEST
- TPH: ☐ Quant Only ☐ Fingerprint
- 8260 Soil-s
- TCL 8260
- Grain Size

SAMPLE INFO

Filtration
☐ Field
☐ Lab to do

Preservation
☐ Lab to do

Sample Comments

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler Initials | VOC | | | | | | | | SVOC | | | | | | | |

ANALYTICAL REPORT

Lab Number:	L1931288
Client:	Woodard & Curran 40 Shattuck Road Suite 110 Andover, MA 01810
ATTN:	Jarrod Yoder
Phone:	(978) 557-8150
Project Name:	SALEM FORMER WWTF
Project Number:	0231841
Report Date:	08/02/19

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1931288
Report Date: 08/02/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1931288-01	SB19-26 (10-12.5)	SOIL	SALEM, NH	07/15/19 08:31	07/16/19
L1931288-02	SB19-27 (11.5-13)	SOIL	SALEM, NH	07/15/19 08:59	07/16/19
L1931288-03	SB19-28 (1.75-3.5)	SOIL	SALEM, NH	07/15/19 10:05	07/16/19
L1931288-04	SB19-28 (10-12)	SOIL	SALEM, NH	07/15/19 10:00	07/16/19
L1931288-05	SB19-29 (12.25-14.5)	SOIL	SALEM, NH	07/15/19 11:43	07/16/19
L1931288-06	SB19-30 (12.5-15)	SOIL	SALEM, NH	07/15/19 13:07	07/16/19
L1931288-07	SB19-30 (12.5-15) DUP	SOIL	SALEM, NH	07/15/19 13:07	07/16/19
L1931288-08	SB19-31 (20-22)	SOIL	SALEM, NH	07/15/19 14:19	07/16/19
L1931288-09	SB19-32 (17-19)	SOIL	SALEM, NH	07/15/19 15:10	07/16/19
L1931288-10	TRIP BLANK	WATER	SALEM, NH	07/08/19 09:47	07/16/19

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1931288
Project Number:	0231841	**Report Date:**	08/02/19

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1931288
Project Number:	0231841	**Report Date:**	08/02/19

Case Narrative (continued)

Report Submission

August 02, 2019: This final report includes the results of all requested analyses.

July 23, 2019: This is a preliminary report.

Sample Receipt

L1931288-04: The collection date and time on the chain of custody was 15-JUL-19 10:00; however, the collection date/time on the container label was 15-JUL-19 10:10. At the client's request, the collection date/time is reported as 15-JUL-19 10:00.

L1931288-09: The collection date and time on the chain of custody was 15-JUL-19 15:09; however, the collection date/time on the container label was 15-JUL-19 15:10. At the client's request, the collection date/time is reported as 15-JUL-19 15:10.

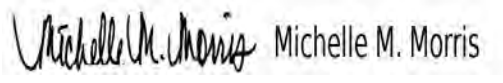
Volatile Organics

L1931288-07 and -08 were analyzed as a High Level Methanol in order to quantitate the sample within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial Low Level analysis. The results of both analyses are reported.

Grain Size Analysis

The WG1265396-1 Laboratory Duplicate RPD for fines (52%), performed on L1931288-04, is outside the acceptance criteria. The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Michelle M. Morris

Title: Technical Director/Representative Date: 08/02/19

ORGANICS

VOLATILES

Project Name: SALEM FORMER WWTF **Lab Number:** L1931288

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931288-01 D
Client ID: SB19-26 (10-12.5)
Sample Location: SALEM, NH

Date Collected: 07/15/19 08:31
Date Received: 07/16/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/23/19 09:57
Analyst: MV
Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	710	--	2.5
1,1-Dichloroethane	ND		ug/kg	140	--	2.5
Chloroform	ND		ug/kg	210	--	2.5
Carbon tetrachloride	ND		ug/kg	140	--	2.5
1,2-Dichloropropane	ND		ug/kg	140	--	2.5
Dibromochloromethane	ND		ug/kg	140	--	2.5
1,1,2-Trichloroethane	ND		ug/kg	140	--	2.5
Tetrachloroethene	180		ug/kg	71	--	2.5
Chlorobenzene	ND		ug/kg	71	--	2.5
Trichlorofluoromethane	ND		ug/kg	570	--	2.5
1,2-Dichloroethane	ND		ug/kg	140	--	2.5
1,1,1-Trichloroethane	2400		ug/kg	71	--	2.5
Bromodichloromethane	ND		ug/kg	71	--	2.5
trans-1,3-Dichloropropene	ND		ug/kg	140	--	2.5
cis-1,3-Dichloropropene	ND		ug/kg	71	--	2.5
1,3-Dichloropropene, Total	ND		ug/kg	71	--	2.5
1,1-Dichloropropene	ND		ug/kg	71	--	2.5
Bromoform	ND		ug/kg	570	--	2.5
1,1,2,2-Tetrachloroethane	ND		ug/kg	71	--	2.5
Benzene	ND		ug/kg	71	--	2.5
Toluene	490		ug/kg	140	--	2.5
Ethylbenzene	ND		ug/kg	140	--	2.5
Chloromethane	ND		ug/kg	570	--	2.5
Bromomethane	ND		ug/kg	280	--	2.5
Vinyl chloride	ND		ug/kg	140	--	2.5
Chloroethane	ND		ug/kg	280	--	2.5
1,1-Dichloroethene	ND		ug/kg	140	--	2.5
trans-1,2-Dichloroethene	ND		ug/kg	210	--	2.5

Project Name: SALEM FORMER WWTF **Lab Number:** L1931288

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931288-01 D
Client ID: SB19-26 (10-12.5)
Sample Location: SALEM, NH

Date Collected: 07/15/19 08:31
Date Received: 07/16/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	28000		ug/kg	71	--	2.5
1,2-Dichlorobenzene	ND		ug/kg	280	--	2.5
1,3-Dichlorobenzene	ND		ug/kg	280	--	2.5
1,4-Dichlorobenzene	ND		ug/kg	280	--	2.5
Methyl tert butyl ether	ND		ug/kg	280	--	2.5
p/m-Xylene	ND		ug/kg	280	--	2.5
o-Xylene	ND		ug/kg	140	--	2.5
Xylenes, Total	ND		ug/kg	140	--	2.5
cis-1,2-Dichloroethene	12000		ug/kg	140	--	2.5
1,2-Dichloroethene, Total	12000		ug/kg	140	--	2.5
Dibromomethane	ND		ug/kg	280	--	2.5
1,2,3-Trichloropropane	ND		ug/kg	280	--	2.5
Styrene	ND		ug/kg	140	--	2.5
Dichlorodifluoromethane	ND		ug/kg	1400	--	2.5
Acetone	ND		ug/kg	1400	--	2.5
Carbon disulfide	ND		ug/kg	1400	--	2.5
2-Butanone	ND		ug/kg	1400	--	2.5
4-Methyl-2-pentanone	ND		ug/kg	1400	--	2.5
2-Hexanone	ND		ug/kg	1400	--	2.5
Bromochloromethane	ND		ug/kg	280	--	2.5
Tetrahydrofuran	ND		ug/kg	570	--	2.5
2,2-Dichloropropane	ND		ug/kg	280	--	2.5
1,2-Dibromoethane	ND		ug/kg	140	--	2.5
1,1,1,2-Tetrachloroethane	ND		ug/kg	71	--	2.5
Bromobenzene	ND		ug/kg	280	--	2.5
n-Butylbenzene	ND		ug/kg	140	--	2.5
sec-Butylbenzene	ND		ug/kg	140	--	2.5
tert-Butylbenzene	ND		ug/kg	280	--	2.5
1,3,5-Trichlorobenzene	ND		ug/kg	280	--	2.5
o-Chlorotoluene	ND		ug/kg	280	--	2.5
p-Chlorotoluene	ND		ug/kg	280	--	2.5
1,2-Dibromo-3-chloropropane	ND		ug/kg	430	--	2.5
Hexachlorobutadiene	ND		ug/kg	570	--	2.5
Isopropylbenzene	ND		ug/kg	140	--	2.5
p-Isopropyltoluene	ND		ug/kg	140	--	2.5
Naphthalene	ND		ug/kg	570	--	2.5
n-Propylbenzene	ND		ug/kg	140	--	2.5

Project Name: SALEM FORMER WWTF **Lab Number:** L1931288

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931288-01 D
Client ID: SB19-26 (10-12.5)
Sample Location: SALEM, NH

Date Collected: 07/15/19 08:31
Date Received: 07/16/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	280	--	2.5
1,2,4-Trichlorobenzene	ND		ug/kg	280	--	2.5
1,3,5-Trimethylbenzene	ND		ug/kg	280	--	2.5
1,2,4-Trimethylbenzene	ND		ug/kg	280	--	2.5
Ethyl ether	ND		ug/kg	280	--	2.5
Isopropyl Ether	ND		ug/kg	280	--	2.5
Tert-Butyl Alcohol	ND		ug/kg	2800	--	2.5
Ethyl-Tert-Butyl-Ether	ND		ug/kg	280	--	2.5
Tertiary-Amyl Methyl Ether	ND		ug/kg	280	--	2.5
1,4-Dioxane	ND		ug/kg	11000	--	2.5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	96		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1931288

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931288-02
Client ID: SB19-27 (11.5-13)
Sample Location: SALEM, NH

Date Collected: 07/15/19 08:59
Date Received: 07/16/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/22/19 10:38
Analyst: MV
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	270	--	1
1,1-Dichloroethane	ND		ug/kg	55	--	1
Chloroform	ND		ug/kg	82	--	1
Carbon tetrachloride	ND		ug/kg	55	--	1
1,2-Dichloropropane	ND		ug/kg	55	--	1
Dibromochloromethane	ND		ug/kg	55	--	1
1,1,2-Trichloroethane	ND		ug/kg	55	--	1
Tetrachloroethene	ND		ug/kg	27	--	1
Chlorobenzene	ND		ug/kg	27	--	1
Trichlorofluoromethane	ND		ug/kg	220	--	1
1,2-Dichloroethane	ND		ug/kg	55	--	1
1,1,1-Trichloroethane	83		ug/kg	27	--	1
Bromodichloromethane	ND		ug/kg	27	--	1
trans-1,3-Dichloropropene	ND		ug/kg	55	--	1
cis-1,3-Dichloropropene	ND		ug/kg	27	--	1
1,3-Dichloropropene, Total	ND		ug/kg	27	--	1
1,1-Dichloropropene	ND		ug/kg	27	--	1
Bromoform	ND		ug/kg	220	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	27	--	1
Benzene	ND		ug/kg	27	--	1
Toluene	ND		ug/kg	55	--	1
Ethylbenzene	ND		ug/kg	55	--	1
Chloromethane	ND		ug/kg	220	--	1
Bromomethane	ND		ug/kg	110	--	1
Vinyl chloride	260		ug/kg	55	--	1
Chloroethane	ND		ug/kg	110	--	1
1,1-Dichloroethene	ND		ug/kg	55	--	1
trans-1,2-Dichloroethene	ND		ug/kg	82	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1931288

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931288-02 Date Collected: 07/15/19 08:59

Client ID: SB19-27 (11.5-13) Date Received: 07/16/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	27	--	1
1,2-Dichlorobenzene	ND		ug/kg	110	--	1
1,3-Dichlorobenzene	ND		ug/kg	110	--	1
1,4-Dichlorobenzene	ND		ug/kg	110	--	1
Methyl tert butyl ether	ND		ug/kg	110	--	1
p/m-Xylene	ND		ug/kg	110	--	1
o-Xylene	ND		ug/kg	55	--	1
Xylenes, Total	ND		ug/kg	55	--	1
cis-1,2-Dichloroethene	2300		ug/kg	55	--	1
1,2-Dichloroethene, Total	2300		ug/kg	55	--	1
Dibromomethane	ND		ug/kg	110	--	1
1,2,3-Trichloropropane	ND		ug/kg	110	--	1
Styrene	ND		ug/kg	55	--	1
Dichlorodifluoromethane	ND		ug/kg	550	--	1
Acetone	ND		ug/kg	550	--	1
Carbon disulfide	ND		ug/kg	550	--	1
2-Butanone	ND		ug/kg	550	--	1
4-Methyl-2-pentanone	ND		ug/kg	550	--	1
2-Hexanone	ND		ug/kg	550	--	1
Bromochloromethane	ND		ug/kg	110	--	1
Tetrahydrofuran	ND		ug/kg	220	--	1
2,2-Dichloropropane	ND		ug/kg	110	--	1
1,2-Dibromoethane	ND		ug/kg	55	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	27	--	1
Bromobenzene	ND		ug/kg	110	--	1
n-Butylbenzene	ND		ug/kg	55	--	1
sec-Butylbenzene	ND		ug/kg	55	--	1
tert-Butylbenzene	ND		ug/kg	110	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	110	--	1
o-Chlorotoluene	ND		ug/kg	110	--	1
p-Chlorotoluene	ND		ug/kg	110	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	160	--	1
Hexachlorobutadiene	ND		ug/kg	220	--	1
Isopropylbenzene	ND		ug/kg	55	--	1
p-Isopropyltoluene	ND		ug/kg	55	--	1
Naphthalene	ND		ug/kg	220	--	1
n-Propylbenzene	ND		ug/kg	55	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1931288

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931288-02 Date Collected: 07/15/19 08:59

Client ID: SB19-27 (11.5-13) Date Received: 07/16/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	110	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	110	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	110	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	110	--	1
Ethyl ether	ND		ug/kg	110	--	1
Isopropyl Ether	ND		ug/kg	110	--	1
Tert-Butyl Alcohol	ND		ug/kg	1100	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	110	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	110	--	1
1,4-Dioxane	ND		ug/kg	4400	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	105		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1931288

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931288-03 Date Collected: 07/15/19 10:05
Client ID: SB19-28 (1.75-3.5) Date Received: 07/16/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/22/19 11:04
Analyst: MV
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	280	--	1
1,1-Dichloroethane	ND		ug/kg	55	--	1
Chloroform	ND		ug/kg	83	--	1
Carbon tetrachloride	ND		ug/kg	55	--	1
1,2-Dichloropropane	ND		ug/kg	55	--	1
Dibromochloromethane	ND		ug/kg	55	--	1
1,1,2-Trichloroethane	ND		ug/kg	55	--	1
Tetrachloroethene	ND		ug/kg	28	--	1
Chlorobenzene	ND		ug/kg	28	--	1
Trichlorofluoromethane	ND		ug/kg	220	--	1
1,2-Dichloroethane	ND		ug/kg	55	--	1
1,1,1-Trichloroethane	500		ug/kg	28	--	1
Bromodichloromethane	ND		ug/kg	28	--	1
trans-1,3-Dichloropropene	ND		ug/kg	55	--	1
cis-1,3-Dichloropropene	ND		ug/kg	28	--	1
1,3-Dichloropropene, Total	ND		ug/kg	28	--	1
1,1-Dichloropropene	ND		ug/kg	28	--	1
Bromoform	ND		ug/kg	220	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	28	--	1
Benzene	ND		ug/kg	28	--	1
Toluene	250		ug/kg	55	--	1
Ethylbenzene	93		ug/kg	55	--	1
Chloromethane	ND		ug/kg	220	--	1
Bromomethane	ND		ug/kg	110	--	1
Vinyl chloride	ND		ug/kg	55	--	1
Chloroethane	ND		ug/kg	110	--	1
1,1-Dichloroethene	ND		ug/kg	55	--	1
trans-1,2-Dichloroethene	ND		ug/kg	83	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1931288

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931288-03 Date Collected: 07/15/19 10:05

Client ID: SB19-28 (1.75-3.5) Date Received: 07/16/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	170		ug/kg	28	--	1
1,2-Dichlorobenzene	ND		ug/kg	110	--	1
1,3-Dichlorobenzene	ND		ug/kg	110	--	1
1,4-Dichlorobenzene	ND		ug/kg	110	--	1
Methyl tert butyl ether	ND		ug/kg	110	--	1
p/m-Xylene	390		ug/kg	110	--	1
o-Xylene	ND		ug/kg	55	--	1
Xylenes, Total	390		ug/kg	55	--	1
cis-1,2-Dichloroethene	3200		ug/kg	55	--	1
1,2-Dichloroethene, Total	3200		ug/kg	55	--	1
Dibromomethane	ND		ug/kg	110	--	1
1,2,3-Trichloropropane	ND		ug/kg	110	--	1
Styrene	ND		ug/kg	55	--	1
Dichlorodifluoromethane	ND		ug/kg	550	--	1
Acetone	ND		ug/kg	550	--	1
Carbon disulfide	ND		ug/kg	550	--	1
2-Butanone	ND		ug/kg	550	--	1
4-Methyl-2-pentanone	ND		ug/kg	550	--	1
2-Hexanone	ND		ug/kg	550	--	1
Bromochloromethane	ND		ug/kg	110	--	1
Tetrahydrofuran	ND		ug/kg	220	--	1
2,2-Dichloropropane	ND		ug/kg	110	--	1
1,2-Dibromoethane	ND		ug/kg	55	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	28	--	1
Bromobenzene	ND		ug/kg	110	--	1
n-Butylbenzene	ND		ug/kg	55	--	1
sec-Butylbenzene	ND		ug/kg	55	--	1
tert-Butylbenzene	ND		ug/kg	110	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	110	--	1
o-Chlorotoluene	ND		ug/kg	110	--	1
p-Chlorotoluene	ND		ug/kg	110	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	160	--	1
Hexachlorobutadiene	ND		ug/kg	220	--	1
Isopropylbenzene	ND		ug/kg	55	--	1
p-Isopropyltoluene	ND		ug/kg	55	--	1
Naphthalene	ND		ug/kg	220	--	1
n-Propylbenzene	ND		ug/kg	55	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1931288

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931288-03 Date Collected: 07/15/19 10:05

Client ID: SB19-28 (1.75-3.5) Date Received: 07/16/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	110	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	110	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	110	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	110	--	1
Ethyl ether	ND		ug/kg	110	--	1
Isopropyl Ether	ND		ug/kg	110	--	1
Tert-Butyl Alcohol	ND		ug/kg	1100	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	110	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	110	--	1
1,4-Dioxane	ND		ug/kg	4400	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	106		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1931288

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931288-04 Date Collected: 07/15/19 10:00
Client ID: SB19-28 (10-12) Date Received: 07/16/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/22/19 12:21
Analyst: MV
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.3	--	1
1,1-Dichloroethane	4.4		ug/kg	0.86	--	1
Chloroform	ND		ug/kg	1.3	--	1
Carbon tetrachloride	ND		ug/kg	0.86	--	1
1,2-Dichloropropane	ND		ug/kg	0.86	--	1
Dibromochloromethane	ND		ug/kg	0.86	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.86	--	1
Tetrachloroethene	ND		ug/kg	0.43	--	1
Chlorobenzene	ND		ug/kg	0.43	--	1
Trichlorofluoromethane	ND		ug/kg	3.4	--	1
1,2-Dichloroethane	ND		ug/kg	0.86	--	1
1,1,1-Trichloroethane	5.8		ug/kg	0.43	--	1
Bromodichloromethane	ND		ug/kg	0.43	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.86	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.43	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.43	--	1
1,1-Dichloropropene	ND		ug/kg	0.43	--	1
Bromoform	ND		ug/kg	3.4	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.43	--	1
Benzene	ND		ug/kg	0.43	--	1
Toluene	17		ug/kg	0.86	--	1
Ethylbenzene	5.5		ug/kg	0.86	--	1
Chloromethane	ND		ug/kg	3.4	--	1
Bromomethane	ND		ug/kg	1.7	--	1
Vinyl chloride	15		ug/kg	0.86	--	1
Chloroethane	ND		ug/kg	1.7	--	1
1,1-Dichloroethene	ND		ug/kg	0.86	--	1
trans-1,2-Dichloroethene	3.5		ug/kg	1.3	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1931288

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931288-04 Date Collected: 07/15/19 10:00

Client ID: SB19-28 (10-12) Date Received: 07/16/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.62		ug/kg	0.43	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.7	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.7	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.7	--	1
Methyl tert butyl ether	ND		ug/kg	1.7	--	1
p/m-Xylene	18		ug/kg	1.7	--	1
o-Xylene	3.2		ug/kg	0.86	--	1
Xylenes, Total	21		ug/kg	0.86	--	1
cis-1,2-Dichloroethene	32		ug/kg	0.86	--	1
1,2-Dichloroethene, Total	36		ug/kg	0.86	--	1
Dibromomethane	ND		ug/kg	1.7	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.7	--	1
Styrene	ND		ug/kg	0.86	--	1
Dichlorodifluoromethane	ND		ug/kg	8.6	--	1
Acetone	47		ug/kg	8.6	--	1
Carbon disulfide	ND		ug/kg	8.6	--	1
2-Butanone	8.9		ug/kg	8.6	--	1
4-Methyl-2-pentanone	ND		ug/kg	8.6	--	1
2-Hexanone	ND		ug/kg	8.6	--	1
Bromochloromethane	ND		ug/kg	1.7	--	1
Tetrahydrofuran	ND		ug/kg	3.4	--	1
2,2-Dichloropropane	ND		ug/kg	1.7	--	1
1,2-Dibromoethane	ND		ug/kg	0.86	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.43	--	1
Bromobenzene	ND		ug/kg	1.7	--	1
n-Butylbenzene	ND		ug/kg	0.86	--	1
sec-Butylbenzene	ND		ug/kg	0.86	--	1
tert-Butylbenzene	ND		ug/kg	1.7	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.7	--	1
o-Chlorotoluene	ND		ug/kg	1.7	--	1
p-Chlorotoluene	ND		ug/kg	1.7	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.6	--	1
Hexachlorobutadiene	ND		ug/kg	3.4	--	1
Isopropylbenzene	ND		ug/kg	0.86	--	1
p-Isopropyltoluene	ND		ug/kg	0.86	--	1
Naphthalene	ND		ug/kg	3.4	--	1
n-Propylbenzene	ND		ug/kg	0.86	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1931288

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931288-04 Date Collected: 07/15/19 10:00

Client ID: SB19-28 (10-12) Date Received: 07/16/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.7	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.7	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.7	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.7	--	1
Ethyl ether	ND		ug/kg	1.7	--	1
Isopropyl Ether	ND		ug/kg	1.7	--	1
Tert-Butyl Alcohol	ND		ug/kg	17	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.7	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.7	--	1
1,4-Dioxane	ND		ug/kg	68	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	125		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	110		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1931288

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931288-05 Date Collected: 07/15/19 11:43
Client ID: SB19-29 (12.25-14.5) Date Received: 07/16/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/22/19 11:30
Analyst: MV
Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	300	--	1
1,1-Dichloroethane	ND		ug/kg	59	--	1
Chloroform	ND		ug/kg	88	--	1
Carbon tetrachloride	ND		ug/kg	59	--	1
1,2-Dichloropropane	ND		ug/kg	59	--	1
Dibromochloromethane	ND		ug/kg	59	--	1
1,1,2-Trichloroethane	ND		ug/kg	59	--	1
Tetrachloroethene	ND		ug/kg	30	--	1
Chlorobenzene	ND		ug/kg	30	--	1
Trichlorofluoromethane	ND		ug/kg	240	--	1
1,2-Dichloroethane	ND		ug/kg	59	--	1
1,1,1-Trichloroethane	170		ug/kg	30	--	1
Bromodichloromethane	ND		ug/kg	30	--	1
trans-1,3-Dichloropropene	ND		ug/kg	59	--	1
cis-1,3-Dichloropropene	ND		ug/kg	30	--	1
1,3-Dichloropropene, Total	ND		ug/kg	30	--	1
1,1-Dichloropropene	ND		ug/kg	30	--	1
Bromoform	ND		ug/kg	240	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	30	--	1
Benzene	ND		ug/kg	30	--	1
Toluene	61		ug/kg	59	--	1
Ethylbenzene	ND		ug/kg	59	--	1
Chloromethane	ND		ug/kg	240	--	1
Bromomethane	ND		ug/kg	120	--	1
Vinyl chloride	360		ug/kg	59	--	1
Chloroethane	ND		ug/kg	120	--	1
1,1-Dichloroethene	ND		ug/kg	59	--	1
trans-1,2-Dichloroethene	ND		ug/kg	88	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1931288

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931288-05 Date Collected: 07/15/19 11:43

Client ID: SB19-29 (12.25-14.5) Date Received: 07/16/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	30	--	1
1,2-Dichlorobenzene	ND		ug/kg	120	--	1
1,3-Dichlorobenzene	ND		ug/kg	120	--	1
1,4-Dichlorobenzene	ND		ug/kg	120	--	1
Methyl tert butyl ether	ND		ug/kg	120	--	1
p/m-Xylene	ND		ug/kg	120	--	1
o-Xylene	ND		ug/kg	59	--	1
Xylenes, Total	ND		ug/kg	59	--	1
cis-1,2-Dichloroethene	2900		ug/kg	59	--	1
1,2-Dichloroethene, Total	2900		ug/kg	59	--	1
Dibromomethane	ND		ug/kg	120	--	1
1,2,3-Trichloropropane	ND		ug/kg	120	--	1
Styrene	ND		ug/kg	59	--	1
Dichlorodifluoromethane	ND		ug/kg	590	--	1
Acetone	ND		ug/kg	590	--	1
Carbon disulfide	ND		ug/kg	590	--	1
2-Butanone	ND		ug/kg	590	--	1
4-Methyl-2-pentanone	ND		ug/kg	590	--	1
2-Hexanone	ND		ug/kg	590	--	1
Bromochloromethane	ND		ug/kg	120	--	1
Tetrahydrofuran	ND		ug/kg	240	--	1
2,2-Dichloropropane	ND		ug/kg	120	--	1
1,2-Dibromoethane	ND		ug/kg	59	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	30	--	1
Bromobenzene	ND		ug/kg	120	--	1
n-Butylbenzene	ND		ug/kg	59	--	1
sec-Butylbenzene	ND		ug/kg	59	--	1
tert-Butylbenzene	ND		ug/kg	120	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	120	--	1
o-Chlorotoluene	ND		ug/kg	120	--	1
p-Chlorotoluene	ND		ug/kg	120	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	180	--	1
Hexachlorobutadiene	ND		ug/kg	240	--	1
Isopropylbenzene	ND		ug/kg	59	--	1
p-Isopropyltoluene	ND		ug/kg	59	--	1
Naphthalene	ND		ug/kg	240	--	1
n-Propylbenzene	ND		ug/kg	59	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1931288

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931288-05 Date Collected: 07/15/19 11:43

Client ID: SB19-29 (12.25-14.5) Date Received: 07/16/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	120	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	120	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	120	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	120	--	1
Ethyl ether	ND		ug/kg	120	--	1
Isopropyl Ether	ND		ug/kg	120	--	1
Tert-Butyl Alcohol	ND		ug/kg	1200	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	120	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	120	--	1
1,4-Dioxane	ND		ug/kg	4700	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	124		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	107		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1931288

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931288-06 Date Collected: 07/15/19 13:07
Client ID: SB19-30 (12.5-15) Date Received: 07/16/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/22/19 11:55
Analyst: MV
Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	280	--	1
1,1-Dichloroethane	ND		ug/kg	55	--	1
Chloroform	ND		ug/kg	83	--	1
Carbon tetrachloride	ND		ug/kg	55	--	1
1,2-Dichloropropane	ND		ug/kg	55	--	1
Dibromochloromethane	ND		ug/kg	55	--	1
1,1,2-Trichloroethane	ND		ug/kg	55	--	1
Tetrachloroethene	ND		ug/kg	28	--	1
Chlorobenzene	ND		ug/kg	28	--	1
Trichlorofluoromethane	ND		ug/kg	220	--	1
1,2-Dichloroethane	ND		ug/kg	55	--	1
1,1,1-Trichloroethane	46		ug/kg	28	--	1
Bromodichloromethane	ND		ug/kg	28	--	1
trans-1,3-Dichloropropene	ND		ug/kg	55	--	1
cis-1,3-Dichloropropene	ND		ug/kg	28	--	1
1,3-Dichloropropene, Total	ND		ug/kg	28	--	1
1,1-Dichloropropene	ND		ug/kg	28	--	1
Bromoform	ND		ug/kg	220	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	28	--	1
Benzene	ND		ug/kg	28	--	1
Toluene	ND		ug/kg	55	--	1
Ethylbenzene	ND		ug/kg	55	--	1
Chloromethane	ND		ug/kg	220	--	1
Bromomethane	ND		ug/kg	110	--	1
Vinyl chloride	800		ug/kg	55	--	1
Chloroethane	ND		ug/kg	110	--	1
1,1-Dichloroethene	ND		ug/kg	55	--	1
trans-1,2-Dichloroethene	ND		ug/kg	83	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1931288

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931288-06 Date Collected: 07/15/19 13:07

Client ID: SB19-30 (12.5-15) Date Received: 07/16/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	28	--	1
1,2-Dichlorobenzene	ND		ug/kg	110	--	1
1,3-Dichlorobenzene	ND		ug/kg	110	--	1
1,4-Dichlorobenzene	ND		ug/kg	110	--	1
Methyl tert butyl ether	ND		ug/kg	110	--	1
p/m-Xylene	ND		ug/kg	110	--	1
o-Xylene	ND		ug/kg	55	--	1
Xylenes, Total	ND		ug/kg	55	--	1
cis-1,2-Dichloroethene	1000		ug/kg	55	--	1
1,2-Dichloroethene, Total	1000		ug/kg	55	--	1
Dibromomethane	ND		ug/kg	110	--	1
1,2,3-Trichloropropane	ND		ug/kg	110	--	1
Styrene	ND		ug/kg	55	--	1
Dichlorodifluoromethane	ND		ug/kg	550	--	1
Acetone	ND		ug/kg	550	--	1
Carbon disulfide	ND		ug/kg	550	--	1
2-Butanone	ND		ug/kg	550	--	1
4-Methyl-2-pentanone	ND		ug/kg	550	--	1
2-Hexanone	ND		ug/kg	550	--	1
Bromochloromethane	ND		ug/kg	110	--	1
Tetrahydrofuran	ND		ug/kg	220	--	1
2,2-Dichloropropane	ND		ug/kg	110	--	1
1,2-Dibromoethane	ND		ug/kg	55	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	28	--	1
Bromobenzene	ND		ug/kg	110	--	1
n-Butylbenzene	ND		ug/kg	55	--	1
sec-Butylbenzene	ND		ug/kg	55	--	1
tert-Butylbenzene	ND		ug/kg	110	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	110	--	1
o-Chlorotoluene	ND		ug/kg	110	--	1
p-Chlorotoluene	ND		ug/kg	110	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	160	--	1
Hexachlorobutadiene	ND		ug/kg	220	--	1
Isopropylbenzene	ND		ug/kg	55	--	1
p-Isopropyltoluene	ND		ug/kg	55	--	1
Naphthalene	ND		ug/kg	220	--	1
n-Propylbenzene	ND		ug/kg	55	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1931288

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931288-06 Date Collected: 07/15/19 13:07

Client ID: SB19-30 (12.5-15) Date Received: 07/16/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	110	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	110	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	110	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	110	--	1
Ethyl ether	ND		ug/kg	110	--	1
Isopropyl Ether	ND		ug/kg	110	--	1
Tert-Butyl Alcohol	ND		ug/kg	1100	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	110	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	110	--	1
1,4-Dioxane	ND		ug/kg	4400	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	124		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	107		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1931288

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931288-07 Date Collected: 07/15/19 13:07
Client ID: SB19-30 (12.5-15) DUP Date Received: 07/16/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/22/19 12:47
Analyst: MV
Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.8	--	1
1,1-Dichloroethane	17		ug/kg	0.77	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.77	--	1
1,2-Dichloropropane	ND		ug/kg	0.77	--	1
Dibromochloromethane	ND		ug/kg	0.77	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.77	--	1
Tetrachloroethene	ND		ug/kg	0.38	--	1
Chlorobenzene	ND		ug/kg	0.38	--	1
Trichlorofluoromethane	ND		ug/kg	3.1	--	1
1,2-Dichloroethane	ND		ug/kg	0.77	--	1
1,1,1-Trichloroethane	22		ug/kg	0.38	--	1
Bromodichloromethane	ND		ug/kg	0.38	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.77	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.38	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.38	--	1
1,1-Dichloropropene	ND		ug/kg	0.38	--	1
Bromoform	ND		ug/kg	3.1	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.38	--	1
Benzene	ND		ug/kg	0.38	--	1
Toluene	17		ug/kg	0.77	--	1
Ethylbenzene	11		ug/kg	0.77	--	1
Chloromethane	ND		ug/kg	3.1	--	1
Bromomethane	ND		ug/kg	1.5	--	1
Vinyl chloride	340	E	ug/kg	0.77	--	1
Chloroethane	ND		ug/kg	1.5	--	1
1,1-Dichloroethene	1.1		ug/kg	0.77	--	1
trans-1,2-Dichloroethene	4.1		ug/kg	1.2	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1931288

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931288-07 Date Collected: 07/15/19 13:07

Client ID: SB19-30 (12.5-15) DUP Date Received: 07/16/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	1.5		ug/kg	0.38	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.5	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.5	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.5	--	1
Methyl tert butyl ether	ND		ug/kg	1.5	--	1
p/m-Xylene	11		ug/kg	1.5	--	1
o-Xylene	7.3		ug/kg	0.77	--	1
Xylenes, Total	18		ug/kg	0.77	--	1
cis-1,2-Dichloroethene	460	E	ug/kg	0.77	--	1
1,2-Dichloroethene, Total	1100		ug/kg	1.2	--	1
Dibromomethane	ND		ug/kg	1.5	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.5	--	1
Styrene	ND		ug/kg	0.77	--	1
Dichlorodifluoromethane	ND		ug/kg	7.7	--	1
Acetone	8.8		ug/kg	7.7	--	1
Carbon disulfide	ND		ug/kg	7.7	--	1
2-Butanone	ND		ug/kg	7.7	--	1
4-Methyl-2-pentanone	ND		ug/kg	7.7	--	1
2-Hexanone	ND		ug/kg	7.7	--	1
Bromochloromethane	ND		ug/kg	1.5	--	1
Tetrahydrofuran	ND		ug/kg	3.1	--	1
2,2-Dichloropropane	ND		ug/kg	1.5	--	1
1,2-Dibromoethane	ND		ug/kg	0.77	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.38	--	1
Bromobenzene	ND		ug/kg	1.5	--	1
n-Butylbenzene	ND		ug/kg	0.77	--	1
sec-Butylbenzene	ND		ug/kg	0.77	--	1
tert-Butylbenzene	ND		ug/kg	1.5	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.5	--	1
o-Chlorotoluene	ND		ug/kg	1.5	--	1
p-Chlorotoluene	ND		ug/kg	1.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.3	--	1
Hexachlorobutadiene	ND		ug/kg	3.1	--	1
Isopropylbenzene	ND		ug/kg	0.77	--	1
p-Isopropyltoluene	ND		ug/kg	0.77	--	1
Naphthalene	ND		ug/kg	3.1	--	1
n-Propylbenzene	ND		ug/kg	0.77	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1931288

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931288-07 Date Collected: 07/15/19 13:07

Client ID: SB19-30 (12.5-15) DUP Date Received: 07/16/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.5	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.5	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.5	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.5	--	1
Ethyl ether	ND		ug/kg	1.5	--	1
Isopropyl Ether	ND		ug/kg	1.5	--	1
Tert-Butyl Alcohol	ND		ug/kg	15	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.5	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.5	--	1
1,4-Dioxane	ND		ug/kg	62	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	108		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1931288

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931288-07 Date Collected: 07/15/19 13:07
Client ID: SB19-30 (12.5-15) DUP Date Received: 07/16/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/23/19 09:06
Analyst: MV
Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	270	--	1
1,1-Dichloroethane	ND		ug/kg	54	--	1
Chloroform	ND		ug/kg	81	--	1
Carbon tetrachloride	ND		ug/kg	54	--	1
1,2-Dichloropropane	ND		ug/kg	54	--	1
Dibromochloromethane	ND		ug/kg	54	--	1
1,1,2-Trichloroethane	ND		ug/kg	54	--	1
Tetrachloroethene	ND		ug/kg	27	--	1
Chlorobenzene	ND		ug/kg	27	--	1
Trichlorofluoromethane	ND		ug/kg	220	--	1
1,2-Dichloroethane	ND		ug/kg	54	--	1
1,1,1-Trichloroethane	34		ug/kg	27	--	1
Bromodichloromethane	ND		ug/kg	27	--	1
trans-1,3-Dichloropropene	ND		ug/kg	54	--	1
cis-1,3-Dichloropropene	ND		ug/kg	27	--	1
1,3-Dichloropropene, Total	ND		ug/kg	27	--	1
1,1-Dichloropropene	ND		ug/kg	27	--	1
Bromoform	ND		ug/kg	220	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	27	--	1
Benzene	ND		ug/kg	27	--	1
Toluene	ND		ug/kg	54	--	1
Ethylbenzene	ND		ug/kg	54	--	1
Chloromethane	ND		ug/kg	220	--	1
Bromomethane	ND		ug/kg	110	--	1
Vinyl chloride	1100		ug/kg	54	--	1
Chloroethane	ND		ug/kg	110	--	1
1,1-Dichloroethene	ND		ug/kg	54	--	1
trans-1,2-Dichloroethene	ND		ug/kg	81	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1931288

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931288-07 Date Collected: 07/15/19 13:07

Client ID: SB19-30 (12.5-15) DUP Date Received: 07/16/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	27	--	1
1,2-Dichlorobenzene	ND		ug/kg	110	--	1
1,3-Dichlorobenzene	ND		ug/kg	110	--	1
1,4-Dichlorobenzene	ND		ug/kg	110	--	1
Methyl tert butyl ether	ND		ug/kg	110	--	1
p/m-Xylene	ND		ug/kg	110	--	1
o-Xylene	ND		ug/kg	54	--	1
Xylenes, Total	ND		ug/kg	54	--	1
cis-1,2-Dichloroethene	1100		ug/kg	54	--	1
1,2-Dichloroethene, Total	1100		ug/kg	54	--	1
Dibromomethane	ND		ug/kg	110	--	1
1,2,3-Trichloropropane	ND		ug/kg	110	--	1
Styrene	ND		ug/kg	54	--	1
Dichlorodifluoromethane	ND		ug/kg	540	--	1
Acetone	ND		ug/kg	540	--	1
Carbon disulfide	ND		ug/kg	540	--	1
2-Butanone	ND		ug/kg	540	--	1
4-Methyl-2-pentanone	ND		ug/kg	540	--	1
2-Hexanone	ND		ug/kg	540	--	1
Bromochloromethane	ND		ug/kg	110	--	1
Tetrahydrofuran	ND		ug/kg	220	--	1
2,2-Dichloropropane	ND		ug/kg	110	--	1
1,2-Dibromoethane	ND		ug/kg	54	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	27	--	1
Bromobenzene	ND		ug/kg	110	--	1
n-Butylbenzene	ND		ug/kg	54	--	1
sec-Butylbenzene	ND		ug/kg	54	--	1
tert-Butylbenzene	ND		ug/kg	110	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	110	--	1
o-Chlorotoluene	ND		ug/kg	110	--	1
p-Chlorotoluene	ND		ug/kg	110	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	160	--	1
Hexachlorobutadiene	ND		ug/kg	220	--	1
Isopropylbenzene	ND		ug/kg	54	--	1
p-Isopropyltoluene	ND		ug/kg	54	--	1
Naphthalene	ND		ug/kg	220	--	1
n-Propylbenzene	ND		ug/kg	54	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1931288

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931288-07 Date Collected: 07/15/19 13:07

Client ID: SB19-30 (12.5-15) DUP Date Received: 07/16/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	110	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	110	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	110	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	110	--	1
Ethyl ether	ND		ug/kg	110	--	1
Isopropyl Ether	ND		ug/kg	110	--	1
Tert-Butyl Alcohol	ND		ug/kg	1100	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	110	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	110	--	1
1,4-Dioxane	ND		ug/kg	4300	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	97		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1931288

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931288-08 Date Collected: 07/15/19 14:19

Client ID: SB19-31 (20-22) Date Received: 07/16/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 07/22/19 13:13

Analyst: MV

Percent Solids: 75%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.6	--	1
1,1-Dichloroethane	43		ug/kg	0.73	--	1
Chloroform	ND		ug/kg	1.1	--	1
Carbon tetrachloride	ND		ug/kg	0.73	--	1
1,2-Dichloropropane	ND		ug/kg	0.73	--	1
Dibromochloromethane	ND		ug/kg	0.73	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.73	--	1
Tetrachloroethene	ND		ug/kg	0.36	--	1
Chlorobenzene	ND		ug/kg	0.36	--	1
Trichlorofluoromethane	ND		ug/kg	2.9	--	1
1,2-Dichloroethane	ND		ug/kg	0.73	--	1
1,1,1-Trichloroethane	3.0		ug/kg	0.36	--	1
Bromodichloromethane	ND		ug/kg	0.36	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.73	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.36	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.36	--	1
1,1-Dichloropropene	ND		ug/kg	0.36	--	1
Bromoform	ND		ug/kg	2.9	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.36	--	1
Benzene	ND		ug/kg	0.36	--	1
Toluene	21		ug/kg	0.73	--	1
Ethylbenzene	18		ug/kg	0.73	--	1
Chloromethane	ND		ug/kg	2.9	--	1
Bromomethane	ND		ug/kg	1.5	--	1
Vinyl chloride	310	E	ug/kg	0.73	--	1
Chloroethane	3.0		ug/kg	1.5	--	1
1,1-Dichloroethene	ND		ug/kg	0.73	--	1
trans-1,2-Dichloroethene	4.2		ug/kg	1.1	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1931288

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931288-08 Date Collected: 07/15/19 14:19

Client ID: SB19-31 (20-22) Date Received: 07/16/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.36	--	1
1,2-Dichlorobenzene	1.6		ug/kg	1.5	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.5	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.5	--	1
Methyl tert butyl ether	ND		ug/kg	1.5	--	1
p/m-Xylene	29		ug/kg	1.5	--	1
o-Xylene	12		ug/kg	0.73	--	1
Xylenes, Total	41		ug/kg	0.73	--	1
cis-1,2-Dichloroethene	1.3		ug/kg	0.73	--	1
1,2-Dichloroethene, Total	5.5		ug/kg	0.73	--	1
Dibromomethane	ND		ug/kg	1.5	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.5	--	1
Styrene	ND		ug/kg	0.73	--	1
Dichlorodifluoromethane	ND		ug/kg	7.3	--	1
Acetone	12		ug/kg	7.3	--	1
Carbon disulfide	ND		ug/kg	7.3	--	1
2-Butanone	ND		ug/kg	7.3	--	1
4-Methyl-2-pentanone	ND		ug/kg	7.3	--	1
2-Hexanone	ND		ug/kg	7.3	--	1
Bromochloromethane	ND		ug/kg	1.5	--	1
Tetrahydrofuran	ND		ug/kg	2.9	--	1
2,2-Dichloropropane	ND		ug/kg	1.5	--	1
1,2-Dibromoethane	ND		ug/kg	0.73	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.36	--	1
Bromobenzene	ND		ug/kg	1.5	--	1
n-Butylbenzene	ND		ug/kg	0.73	--	1
sec-Butylbenzene	ND		ug/kg	0.73	--	1
tert-Butylbenzene	ND		ug/kg	1.5	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.5	--	1
o-Chlorotoluene	ND		ug/kg	1.5	--	1
p-Chlorotoluene	ND		ug/kg	1.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.2	--	1
Hexachlorobutadiene	ND		ug/kg	2.9	--	1
Isopropylbenzene	ND		ug/kg	0.73	--	1
p-Isopropyltoluene	ND		ug/kg	0.73	--	1
Naphthalene	ND		ug/kg	2.9	--	1
n-Propylbenzene	ND		ug/kg	0.73	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1931288

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931288-08 Date Collected: 07/15/19 14:19

Client ID: SB19-31 (20-22) Date Received: 07/16/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.5	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.5	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.5	--	1
1,2,4-Trimethylbenzene	1.8		ug/kg	1.5	--	1
Ethyl ether	ND		ug/kg	1.5	--	1
Isopropyl Ether	ND		ug/kg	1.5	--	1
Tert-Butyl Alcohol	ND		ug/kg	15	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.5	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.5	--	1
1,4-Dioxane	ND		ug/kg	58	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	107		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1931288

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931288-08 Date Collected: 07/15/19 14:19
Client ID: SB19-31 (20-22) Date Received: 07/16/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/23/19 09:32
Analyst: MV
Percent Solids: 75%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	280	--	1
1,1-Dichloroethane	60		ug/kg	57	--	1
Chloroform	ND		ug/kg	86	--	1
Carbon tetrachloride	ND		ug/kg	57	--	1
1,2-Dichloropropane	ND		ug/kg	57	--	1
Dibromochloromethane	ND		ug/kg	57	--	1
1,1,2-Trichloroethane	ND		ug/kg	57	--	1
Tetrachloroethene	ND		ug/kg	28	--	1
Chlorobenzene	ND		ug/kg	28	--	1
Trichlorofluoromethane	ND		ug/kg	230	--	1
1,2-Dichloroethane	ND		ug/kg	57	--	1
1,1,1-Trichloroethane	ND		ug/kg	28	--	1
Bromodichloromethane	ND		ug/kg	28	--	1
trans-1,3-Dichloropropene	ND		ug/kg	57	--	1
cis-1,3-Dichloropropene	ND		ug/kg	28	--	1
1,3-Dichloropropene, Total	ND		ug/kg	28	--	1
1,1-Dichloropropene	ND		ug/kg	28	--	1
Bromoform	ND		ug/kg	230	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	28	--	1
Benzene	ND		ug/kg	28	--	1
Toluene	ND		ug/kg	57	--	1
Ethylbenzene	ND		ug/kg	57	--	1
Chloromethane	ND		ug/kg	230	--	1
Bromomethane	ND		ug/kg	110	--	1
Vinyl chloride	760		ug/kg	57	--	1
Chloroethane	ND		ug/kg	110	--	1
1,1-Dichloroethene	ND		ug/kg	57	--	1
trans-1,2-Dichloroethene	ND		ug/kg	86	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1931288

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931288-08 Date Collected: 07/15/19 14:19

Client ID: SB19-31 (20-22) Date Received: 07/16/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	28	--	1
1,2-Dichlorobenzene	ND		ug/kg	110	--	1
1,3-Dichlorobenzene	ND		ug/kg	110	--	1
1,4-Dichlorobenzene	ND		ug/kg	110	--	1
Methyl tert butyl ether	ND		ug/kg	110	--	1
p/m-Xylene	ND		ug/kg	110	--	1
o-Xylene	ND		ug/kg	57	--	1
Xylenes, Total	ND		ug/kg	57	--	1
cis-1,2-Dichloroethene	ND		ug/kg	57	--	1
1,2-Dichloroethene, Total	ND		ug/kg	57	--	1
Dibromomethane	ND		ug/kg	110	--	1
1,2,3-Trichloropropane	ND		ug/kg	110	--	1
Styrene	ND		ug/kg	57	--	1
Dichlorodifluoromethane	ND		ug/kg	570	--	1
Acetone	ND		ug/kg	570	--	1
Carbon disulfide	ND		ug/kg	570	--	1
2-Butanone	ND		ug/kg	570	--	1
4-Methyl-2-pentanone	ND		ug/kg	570	--	1
2-Hexanone	ND		ug/kg	570	--	1
Bromochloromethane	ND		ug/kg	110	--	1
Tetrahydrofuran	ND		ug/kg	230	--	1
2,2-Dichloropropane	ND		ug/kg	110	--	1
1,2-Dibromoethane	ND		ug/kg	57	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	28	--	1
Bromobenzene	ND		ug/kg	110	--	1
n-Butylbenzene	ND		ug/kg	57	--	1
sec-Butylbenzene	ND		ug/kg	57	--	1
tert-Butylbenzene	ND		ug/kg	110	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	110	--	1
o-Chlorotoluene	ND		ug/kg	110	--	1
p-Chlorotoluene	ND		ug/kg	110	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	170	--	1
Hexachlorobutadiene	ND		ug/kg	230	--	1
Isopropylbenzene	ND		ug/kg	57	--	1
p-Isopropyltoluene	ND		ug/kg	57	--	1
Naphthalene	ND		ug/kg	230	--	1
n-Propylbenzene	ND		ug/kg	57	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1931288

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931288-08 Date Collected: 07/15/19 14:19

Client ID: SB19-31 (20-22) Date Received: 07/16/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	110	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	110	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	110	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	110	--	1
Ethyl ether	ND		ug/kg	110	--	1
Isopropyl Ether	ND		ug/kg	110	--	1
Tert-Butyl Alcohol	ND		ug/kg	1100	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	110	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	110	--	1
1,4-Dioxane	ND		ug/kg	4600	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	96		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1931288

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931288-09 Date Collected: 07/15/19 15:10
Client ID: SB19-32 (17-19) Date Received: 07/16/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/22/19 13:39
Analyst: MV
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.2	--	1
1,1-Dichloroethane	6.8		ug/kg	0.83	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.83	--	1
1,2-Dichloropropane	ND		ug/kg	0.83	--	1
Dibromochloromethane	ND		ug/kg	0.83	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.83	--	1
Tetrachloroethene	ND		ug/kg	0.42	--	1
Chlorobenzene	ND		ug/kg	0.42	--	1
Trichlorofluoromethane	ND		ug/kg	3.3	--	1
1,2-Dichloroethane	ND		ug/kg	0.83	--	1
1,1,1-Trichloroethane	18		ug/kg	0.42	--	1
Bromodichloromethane	ND		ug/kg	0.42	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.83	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.42	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.42	--	1
1,1-Dichloropropene	ND		ug/kg	0.42	--	1
Bromoform	ND		ug/kg	3.3	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.42	--	1
Benzene	ND		ug/kg	0.42	--	1
Toluene	4.6		ug/kg	0.83	--	1
Ethylbenzene	5.4		ug/kg	0.83	--	1
Chloromethane	ND		ug/kg	3.3	--	1
Bromomethane	ND		ug/kg	1.7	--	1
Vinyl chloride	190		ug/kg	0.83	--	1
Chloroethane	ND		ug/kg	1.7	--	1
1,1-Dichloroethene	ND		ug/kg	0.83	--	1
trans-1,2-Dichloroethene	1.6		ug/kg	1.2	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1931288

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931288-09 Date Collected: 07/15/19 15:10

Client ID: SB19-32 (17-19) Date Received: 07/16/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.53		ug/kg	0.42	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.7	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.7	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.7	--	1
Methyl tert butyl ether	ND		ug/kg	1.7	--	1
p/m-Xylene	6.1		ug/kg	1.7	--	1
o-Xylene	3.2		ug/kg	0.83	--	1
Xylenes, Total	9.3		ug/kg	0.83	--	1
cis-1,2-Dichloroethene	140		ug/kg	0.83	--	1
1,2-Dichloroethene, Total	140		ug/kg	0.83	--	1
Dibromomethane	ND		ug/kg	1.7	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.7	--	1
Styrene	ND		ug/kg	0.83	--	1
Dichlorodifluoromethane	ND		ug/kg	8.3	--	1
Acetone	ND		ug/kg	8.3	--	1
Carbon disulfide	ND		ug/kg	8.3	--	1
2-Butanone	ND		ug/kg	8.3	--	1
4-Methyl-2-pentanone	ND		ug/kg	8.3	--	1
2-Hexanone	ND		ug/kg	8.3	--	1
Bromochloromethane	ND		ug/kg	1.7	--	1
Tetrahydrofuran	ND		ug/kg	3.3	--	1
2,2-Dichloropropane	ND		ug/kg	1.7	--	1
1,2-Dibromoethane	ND		ug/kg	0.83	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.42	--	1
Bromobenzene	ND		ug/kg	1.7	--	1
n-Butylbenzene	ND		ug/kg	0.83	--	1
sec-Butylbenzene	ND		ug/kg	0.83	--	1
tert-Butylbenzene	ND		ug/kg	1.7	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.7	--	1
o-Chlorotoluene	ND		ug/kg	1.7	--	1
p-Chlorotoluene	ND		ug/kg	1.7	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.5	--	1
Hexachlorobutadiene	ND		ug/kg	3.3	--	1
Isopropylbenzene	ND		ug/kg	0.83	--	1
p-Isopropyltoluene	ND		ug/kg	0.83	--	1
Naphthalene	ND		ug/kg	3.3	--	1
n-Propylbenzene	ND		ug/kg	0.83	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1931288

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931288-09 Date Collected: 07/15/19 15:10

Client ID: SB19-32 (17-19) Date Received: 07/16/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.7	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.7	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.7	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.7	--	1
Ethyl ether	ND		ug/kg	1.7	--	1
Isopropyl Ether	ND		ug/kg	1.7	--	1
Tert-Butyl Alcohol	ND		ug/kg	17	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.7	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.7	--	1
1,4-Dioxane	ND		ug/kg	67	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	124		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	109		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1931288

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931288-10 Date Collected: 07/08/19 09:47
Client ID: TRIP BLANK Date Received: 07/16/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/19/19 12:40
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1931288

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931288-10 Date Collected: 07/08/19 09:47

Client ID: TRIP BLANK Date Received: 07/16/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethene, Total	ND		ug/l	0.50	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1931288

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1931288-10 Date Collected: 07/08/19 09:47

Client ID: TRIP BLANK Date Received: 07/16/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,3,5-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
Isopropyl Ether	ND		ug/l	2.0	--	1
Tert-Butyl Alcohol	ND		ug/l	10	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	102		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1931288

Project Number: 0231841 **Report Date:** 08/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/19/19 08:56
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 10 Batch: WG1262843-5					
Methylene chloride	ND		ug/l	3.0	--
1,1-Dichloroethane	ND		ug/l	0.75	--
Chloroform	ND		ug/l	0.75	--
Carbon tetrachloride	ND		ug/l	0.50	--
1,2-Dichloropropane	ND		ug/l	1.8	--
Dibromochloromethane	ND		ug/l	0.50	--
1,1,2-Trichloroethane	ND		ug/l	0.75	--
Tetrachloroethene	ND		ug/l	0.50	--
Chlorobenzene	ND		ug/l	0.50	--
Trichlorofluoromethane	ND		ug/l	2.5	--
1,2-Dichloroethane	ND		ug/l	0.50	--
1,1,1-Trichloroethane	ND		ug/l	0.50	--
Bromodichloromethane	ND		ug/l	0.50	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,3-Dichloropropene, Total	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.5	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	0.75	--
Ethylbenzene	ND		ug/l	0.50	--
Chloromethane	ND		ug/l	2.5	--
Bromomethane	ND		ug/l	1.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	1.0	--
1,1-Dichloroethene	ND		ug/l	0.50	--
trans-1,2-Dichloroethene	ND		ug/l	0.75	--
1,2-Dichloroethene, Total	ND		ug/l	0.50	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1931288

Project Number: 0231841 **Report Date:** 08/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/19/19 08:56
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 10 Batch: WG1262843-5					
Trichloroethene	ND		ug/l	0.50	--
1,2-Dichlorobenzene	ND		ug/l	2.5	--
1,3-Dichlorobenzene	ND		ug/l	2.5	--
1,4-Dichlorobenzene	ND		ug/l	2.5	--
Methyl tert butyl ether	ND		ug/l	1.0	--
p/m-Xylene	ND		ug/l	1.0	--
o-Xylene	ND		ug/l	1.0	--
Xylenes, Total	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	0.50	--
Dibromomethane	ND		ug/l	5.0	--
1,2,3-Trichloropropane	ND		ug/l	5.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	5.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	5.0	--
2-Butanone	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.5	--
Tetrahydrofuran	ND		ug/l	5.0	--
2,2-Dichloropropane	ND		ug/l	2.5	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--
Bromobenzene	ND		ug/l	2.5	--
n-Butylbenzene	ND		ug/l	0.50	--
sec-Butylbenzene	ND		ug/l	0.50	--
tert-Butylbenzene	ND		ug/l	2.5	--
o-Chlorotoluene	ND		ug/l	2.5	--
p-Chlorotoluene	ND		ug/l	2.5	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1931288

Project Number: 0231841 **Report Date:** 08/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/19/19 08:56
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 10 Batch: WG1262843-5					
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--
Hexachlorobutadiene	ND		ug/l	0.50	--
Isopropylbenzene	ND		ug/l	0.50	--
p-Isopropyltoluene	ND		ug/l	0.50	--
Naphthalene	ND		ug/l	2.5	--
n-Propylbenzene	ND		ug/l	0.50	--
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--
1,3,5-Trichlorobenzene	ND		ug/l	2.0	--
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--
Ethyl ether	ND		ug/l	2.5	--
Isopropyl Ether	ND		ug/l	2.0	--
Tert-Butyl Alcohol	ND		ug/l	10	--
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--
1,4-Dioxane	ND		ug/l	250	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	103		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1931288

Project Number: 0231841 **Report Date:** 08/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/22/19 07:37
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02-03,05-06 Batch: WG1263246-5					
Methylene chloride	ND		ug/kg	250	--
1,1-Dichloroethane	ND		ug/kg	50	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	50	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	50	--
Tetrachloroethene	ND		ug/kg	25	--
Chlorobenzene	ND		ug/kg	25	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	25	--
Bromodichloromethane	ND		ug/kg	25	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	25	--
1,3-Dichloropropene, Total	ND		ug/kg	25	--
1,1-Dichloropropene	ND		ug/kg	25	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	--
Benzene	ND		ug/kg	25	--
Toluene	ND		ug/kg	50	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	50	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	25	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1931288

Project Number: 0231841 **Report Date:** 08/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/22/19 07:37
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02-03,05-06 Batch: WG1263246-5					
1,2-Dichlorobenzene	ND		ug/kg	100	--
1,3-Dichlorobenzene	ND		ug/kg	100	--
1,4-Dichlorobenzene	ND		ug/kg	100	--
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	50	--
Xylenes, Total	ND		ug/kg	50	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
1,2-Dichloroethene, Total	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	100	--
1,2,3-Trichloropropane	ND		ug/kg	100	--
Styrene	ND		ug/kg	50	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	500	--
Carbon disulfide	ND		ug/kg	500	--
2-Butanone	ND		ug/kg	500	--
4-Methyl-2-pentanone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	100	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	100	--
1,2-Dibromoethane	ND		ug/kg	50	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	--
Bromobenzene	ND		ug/kg	100	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	100	--
1,3,5-Trichlorobenzene	ND		ug/kg	100	--
o-Chlorotoluene	ND		ug/kg	100	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1931288

Project Number: 0231841 **Report Date:** 08/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/22/19 07:37
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02-03,05-06 Batch: WG1263246-5					
p-Chlorotoluene	ND		ug/kg	100	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--
1,2,3-Trichlorobenzene	ND		ug/kg	100	--
1,2,4-Trichlorobenzene	ND		ug/kg	100	--
1,3,5-Trimethylbenzene	ND		ug/kg	100	--
1,2,4-Trimethylbenzene	ND		ug/kg	100	--
Ethyl ether	ND		ug/kg	100	--
Isopropyl Ether	ND		ug/kg	100	--
Tert-Butyl Alcohol	ND		ug/kg	1000	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	100	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	100	--
1,4-Dioxane	ND		ug/kg	4000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	106		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1931288

Project Number: 0231841 **Report Date:** 08/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/22/19 07:37
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04,07-09 Batch: WG1263248-5					
Methylene chloride	ND		ug/kg	5.0	--
1,1-Dichloroethane	ND		ug/kg	1.0	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	1.0	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.0	--
Tetrachloroethene	ND		ug/kg	0.50	--
Chlorobenzene	ND		ug/kg	0.50	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	0.50	--
Bromodichloromethane	ND		ug/kg	0.50	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--
1,1-Dichloropropene	ND		ug/kg	0.50	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--
Benzene	ND		ug/kg	0.50	--
Toluene	ND		ug/kg	1.0	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	1.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	0.50	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1931288

Project Number: 0231841 **Report Date:** 08/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/22/19 07:37
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04,07-09 Batch: WG1263248-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	--
1,3-Dichlorobenzene	ND		ug/kg	2.0	--
1,4-Dichlorobenzene	ND		ug/kg	2.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	1.0	--
Xylenes, Total	ND		ug/kg	1.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	2.0	--
1,2,3-Trichloropropane	ND		ug/kg	2.0	--
Styrene	ND		ug/kg	1.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	10	--
Carbon disulfide	ND		ug/kg	10	--
2-Butanone	ND		ug/kg	10	--
4-Methyl-2-pentanone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Bromochloromethane	ND		ug/kg	2.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	2.0	--
1,2-Dibromoethane	ND		ug/kg	1.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--
Bromobenzene	ND		ug/kg	2.0	--
n-Butylbenzene	ND		ug/kg	1.0	--
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	2.0	--
1,3,5-Trichlorobenzene	ND		ug/kg	2.0	--
o-Chlorotoluene	ND		ug/kg	2.0	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1931288

Project Number: 0231841 **Report Date:** 08/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/22/19 07:37
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04,07-09 Batch: WG1263248-5					
p-Chlorotoluene	ND		ug/kg	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--
Ethyl ether	ND		ug/kg	2.0	--
Isopropyl Ether	ND		ug/kg	2.0	--
Tert-Butyl Alcohol	ND		ug/kg	20	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--
1,4-Dioxane	ND		ug/kg	80	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	106		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1931288

Project Number: 0231841 **Report Date:** 08/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/23/19 08:15
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01,07-08 Batch: WG1263292-5					
Methylene chloride	ND		ug/kg	250	--
1,1-Dichloroethane	ND		ug/kg	50	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	50	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	50	--
Tetrachloroethene	ND		ug/kg	25	--
Chlorobenzene	ND		ug/kg	25	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	25	--
Bromodichloromethane	ND		ug/kg	25	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	25	--
1,3-Dichloropropene, Total	ND		ug/kg	25	--
1,1-Dichloropropene	ND		ug/kg	25	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	--
Benzene	ND		ug/kg	25	--
Toluene	ND		ug/kg	50	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	50	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	25	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1931288

Project Number: 0231841 **Report Date:** 08/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/23/19 08:15
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01,07-08 Batch: WG1263292-5					
1,2-Dichlorobenzene	ND		ug/kg	100	--
1,3-Dichlorobenzene	ND		ug/kg	100	--
1,4-Dichlorobenzene	ND		ug/kg	100	--
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	50	--
Xylenes, Total	ND		ug/kg	50	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
1,2-Dichloroethene, Total	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	100	--
1,2,3-Trichloropropane	ND		ug/kg	100	--
Styrene	ND		ug/kg	50	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	500	--
Carbon disulfide	ND		ug/kg	500	--
2-Butanone	ND		ug/kg	500	--
4-Methyl-2-pentanone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	100	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	100	--
1,2-Dibromoethane	ND		ug/kg	50	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	--
Bromobenzene	ND		ug/kg	100	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	100	--
1,3,5-Trichlorobenzene	ND		ug/kg	100	--
o-Chlorotoluene	ND		ug/kg	100	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1931288

Project Number: 0231841 **Report Date:** 08/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/23/19 08:15
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01,07-08 Batch: WG1263292-5					
p-Chlorotoluene	ND		ug/kg	100	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--
1,2,3-Trichlorobenzene	ND		ug/kg	100	--
1,2,4-Trichlorobenzene	ND		ug/kg	100	--
1,3,5-Trimethylbenzene	ND		ug/kg	100	--
1,2,4-Trimethylbenzene	ND		ug/kg	100	--
Ethyl ether	ND		ug/kg	100	--
Isopropyl Ether	ND		ug/kg	100	--
Tert-Butyl Alcohol	ND		ug/kg	1000	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	100	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	100	--
1,4-Dioxane	ND		ug/kg	4000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	94		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 0231841

Lab Number: L1931288

Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10 Batch: WG1262843-3 WG1262843-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	96		98		70-130	2		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	100		110		63-132	10		20
1,2-Dichloropropane	93		96		70-130	3		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	97		100		70-130	3		20
Chlorobenzene	100		100		75-130	0		25
Trichlorofluoromethane	97		100		62-150	3		20
1,2-Dichloroethane	94		98		70-130	4		20
1,1,1-Trichloroethane	98		100		67-130	2		20
Bromodichloromethane	98		100		67-130	2		20
trans-1,3-Dichloropropene	100		110		70-130	10		20
cis-1,3-Dichloropropene	82		92		70-130	11		20
1,1-Dichloropropene	95		100		70-130	5		20
Bromoform	99		100		54-136	1		20
1,1,2,2-Tetrachloroethane	110		110		67-130	0		20
Benzene	100		110		70-130	10		25
Toluene	100		100		70-130	0		25
Ethylbenzene	100		100		70-130	0		20
Chloromethane	78		87		64-130	11		20
Bromomethane	53		73		39-139	**32**	Q	20

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1931288
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10 Batch: WG1262843-3 WG1262843-4								
Vinyl chloride	86		92		55-140	7		20
Chloroethane	93		97		55-138	4		20
1,1-Dichloroethene	100		100		61-145	0		25
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	100		110		70-130	10		25
1,2-Dichlorobenzene	99		100		70-130	1		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	110		110		63-130	0		20
p/m-Xylene	100		105		70-130	5		20
o-Xylene	100		105		70-130	5		20
cis-1,2-Dichloroethene	100		110		70-130	10		20
Dibromomethane	97		99		70-130	2		20
1,2,3-Trichloropropane	110		110		64-130	0		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	98		110		36-147	12		20
Acetone	110		110		58-148	0		20
Carbon disulfide	100		100		51-130	0		20
2-Butanone	100		100		63-138	0		20
4-Methyl-2-pentanone	98		110		59-130	12		20
2-Hexanone	91		91		57-130	0		20
Bromochloromethane	100		100		70-130	0		20
Tetrahydrofuran	95		100		58-130	5		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1931288
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10 Batch: WG1262843-3 WG1262843-4								
2,2-Dichloropropane	110		110		63-133	0		20
1,2-Dibromoethane	100		100		70-130	0		20
1,1,1,2-Tetrachloroethane	96		100		64-130	4		20
Bromobenzene	100		100		70-130	0		20
n-Butylbenzene	100		100		53-136	0		20
sec-Butylbenzene	75		82		70-130	9		20
tert-Butylbenzene	100		100		70-130	0		20
o-Chlorotoluene	100		110		70-130	10		20
p-Chlorotoluene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	100		110		41-144	10		20
Hexachlorobutadiene	97		98		63-130	1		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	100		110		70-130	10		20
Naphthalene	100		100		70-130	0		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	97		100		70-130	3		20
1,2,4-Trichlorobenzene	98		100		70-130	2		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,3,5-Trichlorobenzene	100		100		70-130	0		20
1,2,4-Trimethylbenzene	100		110		70-130	10		20
Ethyl ether	110		100		59-134	10		20
Isopropyl Ether	89		92		70-130	3		20
Tert-Butyl Alcohol	**134**	Q	**140**	Q	70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1931288
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10 Batch: WG1262843-3 WG1262843-4								
Ethyl-Tert-Butyl-Ether	97		100		70-130	3		20
Tertiary-Amyl Methyl Ether	97		100		66-130	3		20
1,4-Dioxane	**168**	Q	**166**	Q	56-162	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		104		70-130
Toluene-d8	101		100		70-130
4-Bromofluorobenzene	101		96		70-130
Dibromofluoromethane	98		102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1931288
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02-03,05-06 Batch: WG1263246-3 WG1263246-4								
Methylene chloride	89		87		70-130	2		30
1,1-Dichloroethane	96		94		70-130	2		30
Chloroform	104		99		70-130	5		30
Carbon tetrachloride	107		105		70-130	2		30
1,2-Dichloropropane	88		89		70-130	1		30
Dibromochloromethane	105		104		70-130	1		30
1,1,2-Trichloroethane	96		94		70-130	2		30
Tetrachloroethene	99		95		70-130	4		30
Chlorobenzene	94		93		70-130	1		30
Trichlorofluoromethane	**62**	Q	**61**	Q	70-139	2		30
1,2-Dichloroethane	105		107		70-130	2		30
1,1,1-Trichloroethane	111		110		70-130	1		30
Bromodichloromethane	102		100		70-130	2		30
trans-1,3-Dichloropropene	103		102		70-130	1		30
cis-1,3-Dichloropropene	93		93		70-130	0		30
1,1-Dichloropropene	93		93		70-130	0		30
Bromoform	95		95		70-130	0		30
1,1,2,2-Tetrachloroethane	91		93		70-130	2		30
Benzene	90		88		70-130	2		30
Toluene	96		94		70-130	2		30
Ethylbenzene	98		96		70-130	2		30
Chloromethane	119		125		52-130	5		30
Bromomethane	**39**	Q	**42**	Q	57-147	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1931288
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02-03,05-06 Batch: WG1263246-3 WG1263246-4								
Vinyl chloride	77		82		67-130	6		30
Chloroethane	**37**	Q	**42**	Q	50-151	13		30
1,1-Dichloroethene	89		87		65-135	2		30
trans-1,2-Dichloroethene	90		89		70-130	1		30
Trichloroethene	96		94		70-130	2		30
1,2-Dichlorobenzene	94		93		70-130	1		30
1,3-Dichlorobenzene	95		94		70-130	1		30
1,4-Dichlorobenzene	96		94		70-130	2		30
Methyl tert butyl ether	92		95		66-130	3		30
p/m-Xylene	95		93		70-130	2		30
o-Xylene	94		93		70-130	1		30
cis-1,2-Dichloroethene	90		88		70-130	2		30
Dibromomethane	93		94		70-130	1		30
1,2,3-Trichloropropane	97		99		68-130	2		30
Styrene	98		96		70-130	2		30
Dichlorodifluoromethane	102		99		30-146	3		30
Acetone	91		91		54-140	0		30
Carbon disulfide	83		82		59-130	1		30
2-Butanone	82		86		70-130	5		30
4-Methyl-2-pentanone	86		87		70-130	1		30
2-Hexanone	80		82		70-130	2		30
Bromochloromethane	88		89		70-130	1		30
Tetrahydrofuran	78		85		66-130	9		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1931288
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02-03,05-06 Batch: WG1263246-3 WG1263246-4								
2,2-Dichloropropane	109		106		70-130	3		30
1,2-Dibromoethane	94		92		70-130	2		30
1,1,1,2-Tetrachloroethane	106		104		70-130	2		30
Bromobenzene	94		92		70-130	2		30
n-Butylbenzene	100		98		70-130	2		30
sec-Butylbenzene	98		98		70-130	0		30
tert-Butylbenzene	97		96		70-130	1		30
1,3,5-Trichlorobenzene	86		93		70-139	8		30
o-Chlorotoluene	100		100		70-130	0		30
p-Chlorotoluene	102		100		70-130	2		30
1,2-Dibromo-3-chloropropane	74		87		68-130	16		30
Hexachlorobutadiene	89		102		67-130	14		30
Isopropylbenzene	94		93		70-130	1		30
p-Isopropyltoluene	100		98		70-130	2		30
Naphthalene	**66**	Q	91		70-130	**32**	Q	30
n-Propylbenzene	97		95		70-130	2		30
1,2,3-Trichlorobenzene	88		93		70-130	6		30
1,2,4-Trichlorobenzene	71		91		70-130	25		30
1,3,5-Trimethylbenzene	102		99		70-130	3		30
1,2,4-Trimethylbenzene	102		101		70-130	1		30
Ethyl ether	**45**	Q	**31**	Q	67-130	**37**	Q	30
Isopropyl Ether	83		85		66-130	2		30
Tert-Butyl Alcohol	101		106		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1931288
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02-03,05-06 Batch: WG1263246-3 WG1263246-4								
Ethyl-Tert-Butyl-Ether	92		93		70-130	1		30
Tertiary-Amyl Methyl Ether	91		92		70-130	1		30
1,4-Dioxane	74		79		65-136	7		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	118		120		70-130
Toluene-d8	106		104		70-130
4-Bromofluorobenzene	110		106		70-130
Dibromofluoromethane	106		105		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1931288
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04,07-09 Batch: WG1263248-3 WG1263248-4								
Methylene chloride	89		87		70-130	2		30
1,1-Dichloroethane	96		94		70-130	2		30
Chloroform	104		99		70-130	5		30
Carbon tetrachloride	107		105		70-130	2		30
1,2-Dichloropropane	88		89		70-130	1		30
Dibromochloromethane	105		104		70-130	1		30
1,1,2-Trichloroethane	96		94		70-130	2		30
Tetrachloroethene	99		95		70-130	4		30
Chlorobenzene	94		93		70-130	1		30
Trichlorofluoromethane	**62**	Q	**61**	Q	70-139	2		30
1,2-Dichloroethane	105		107		70-130	2		30
1,1,1-Trichloroethane	111		110		70-130	1		30
Bromodichloromethane	102		100		70-130	2		30
trans-1,3-Dichloropropene	103		102		70-130	1		30
cis-1,3-Dichloropropene	93		93		70-130	0		30
1,1-Dichloropropene	93		93		70-130	0		30
Bromoform	95		95		70-130	0		30
1,1,2,2-Tetrachloroethane	91		93		70-130	2		30
Benzene	90		88		70-130	2		30
Toluene	96		94		70-130	2		30
Ethylbenzene	98		96		70-130	2		30
Chloromethane	119		125		52-130	5		30
Bromomethane	**39**	Q	**42**	Q	57-147	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1931288
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04,07-09 Batch: WG1263248-3 WG1263248-4								
Vinyl chloride	77		82		67-130	6		30
Chloroethane	**37**	Q	**42**	Q	50-151	13		30
1,1-Dichloroethene	89		87		65-135	2		30
trans-1,2-Dichloroethene	90		89		70-130	1		30
Trichloroethene	96		94		70-130	2		30
1,2-Dichlorobenzene	94		93		70-130	1		30
1,3-Dichlorobenzene	95		94		70-130	1		30
1,4-Dichlorobenzene	96		94		70-130	2		30
Methyl tert butyl ether	92		95		66-130	3		30
p/m-Xylene	95		93		70-130	2		30
o-Xylene	94		93		70-130	1		30
cis-1,2-Dichloroethene	90		88		70-130	2		30
Dibromomethane	93		94		70-130	1		30
1,2,3-Trichloropropane	97		99		68-130	2		30
Styrene	98		96		70-130	2		30
Dichlorodifluoromethane	102		99		30-146	3		30
Acetone	91		91		54-140	0		30
Carbon disulfide	83		82		59-130	1		30
2-Butanone	82		86		70-130	5		30
4-Methyl-2-pentanone	86		87		70-130	1		30
2-Hexanone	80		82		70-130	2		30
Bromochloromethane	88		89		70-130	1		30
Tetrahydrofuran	78		85		66-130	9		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1931288
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04,07-09 Batch: WG1263248-3 WG1263248-4								
2,2-Dichloropropane	109		106		70-130	3		30
1,2-Dibromoethane	94		92		70-130	2		30
1,1,1,2-Tetrachloroethane	106		104		70-130	2		30
Bromobenzene	94		92		70-130	2		30
n-Butylbenzene	100		98		70-130	2		30
sec-Butylbenzene	98		98		70-130	0		30
tert-Butylbenzene	97		96		70-130	1		30
1,3,5-Trichlorobenzene	86		93		70-139	8		30
o-Chlorotoluene	100		100		70-130	0		30
p-Chlorotoluene	102		100		70-130	2		30
1,2-Dibromo-3-chloropropane	74		87		68-130	16		30
Hexachlorobutadiene	89		102		67-130	14		30
Isopropylbenzene	94		93		70-130	1		30
p-Isopropyltoluene	100		98		70-130	2		30
Naphthalene	**66**	Q	91		70-130	**32**	Q	30
n-Propylbenzene	97		95		70-130	2		30
1,2,3-Trichlorobenzene	88		93		70-130	6		30
1,2,4-Trichlorobenzene	71		91		70-130	25		30
1,3,5-Trimethylbenzene	102		99		70-130	3		30
1,2,4-Trimethylbenzene	102		101		70-130	1		30
Ethyl ether	**45**	Q	**31**	Q	67-130	**37**	Q	30
Isopropyl Ether	83		85		66-130	2		30
Tert-Butyl Alcohol	101		106		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1931288
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04,07-09 Batch: WG1263248-3 WG1263248-4								
Ethyl-Tert-Butyl-Ether	92		93		70-130	1		30
Tertiary-Amyl Methyl Ether	91		92		70-130	1		30
1,4-Dioxane	74		79		65-136	7		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	118		120		70-130
Toluene-d8	106		104		70-130
4-Bromofluorobenzene	110		106		70-130
Dibromofluoromethane	106		105		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1931288
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01,07-08 Batch: WG1263292-3 WG1263292-4								
Methylene chloride	103		103		70-130	0		30
1,1-Dichloroethane	116		116		70-130	0		30
Chloroform	117		117		70-130	0		30
Carbon tetrachloride	115		113		70-130	2		30
1,2-Dichloropropane	118		120		70-130	2		30
Dibromochloromethane	107		110		70-130	3		30
1,1,2-Trichloroethane	117		120		70-130	3		30
Tetrachloroethene	111		111		70-130	0		30
Chlorobenzene	105		106		70-130	1		30
Trichlorofluoromethane	118		114		70-139	3		30
1,2-Dichloroethane	105		105		70-130	0		30
1,1,1-Trichloroethane	122		121		70-130	1		30
Bromodichloromethane	122		122		70-130	0		30
trans-1,3-Dichloropropene	113		114		70-130	1		30
cis-1,3-Dichloropropene	124		124		70-130	0		30
1,1-Dichloropropene	125		123		70-130	2		30
Bromoform	113		115		70-130	2		30
1,1,2,2-Tetrachloroethane	113		111		70-130	2		30
Benzene	119		118		70-130	1		30
Toluene	112		112		70-130	0		30
Ethylbenzene	115		115		70-130	0		30
Chloromethane	104		101		52-130	3		30
Bromomethane	125		122		57-147	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1931288
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01,07-08 Batch: WG1263292-3 WG1263292-4								
Vinyl chloride	125		122		67-130	2		30
Chloroethane	139		138		50-151	1		30
1,1-Dichloroethene	121		122		65-135	1		30
trans-1,2-Dichloroethene	124		120		70-130	3		30
Trichloroethene	124		122		70-130	2		30
1,2-Dichlorobenzene	100		102		70-130	2		30
1,3-Dichlorobenzene	103		102		70-130	1		30
1,4-Dichlorobenzene	100		102		70-130	2		30
Methyl tert butyl ether	100		99		66-130	1		30
p/m-Xylene	111		110		70-130	1		30
o-Xylene	107		108		70-130	1		30
cis-1,2-Dichloroethene	121		120		70-130	1		30
Dibromomethane	120		123		70-130	2		30
1,2,3-Trichloropropane	105		108		68-130	3		30
Styrene	108		108		70-130	0		30
Dichlorodifluoromethane	98		95		30-146	3		30
Acetone	72		72		54-140	0		30
Carbon disulfide	106		105		59-130	1		30
2-Butanone	103		84		70-130	20		30
4-Methyl-2-pentanone	102		98		70-130	4		30
2-Hexanone	84		79		70-130	6		30
Bromochloromethane	120		118		70-130	2		30
Tetrahydrofuran	94		91		66-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1931288
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01,07-08 Batch: WG1263292-3 WG1263292-4								
2,2-Dichloropropane	120		118		70-130	2		30
1,2-Dibromoethane	114		113		70-130	1		30
1,1,1,2-Tetrachloroethane	108		109		70-130	1		30
Bromobenzene	106		105		70-130	1		30
n-Butylbenzene	116		115		70-130	1		30
sec-Butylbenzene	108		107		70-130	1		30
tert-Butylbenzene	105		104		70-130	1		30
1,3,5-Trichlorobenzene	104		104		70-139	0		30
o-Chlorotoluene	92		93		70-130	1		30
p-Chlorotoluene	113		108		70-130	5		30
1,2-Dibromo-3-chloropropane	93		93		68-130	0		30
Hexachlorobutadiene	129		127		67-130	2		30
Isopropylbenzene	106		105		70-130	1		30
p-Isopropyltoluene	107		106		70-130	1		30
Naphthalene	100		99		70-130	1		30
n-Propylbenzene	112		112		70-130	0		30
1,2,3-Trichlorobenzene	103		101		70-130	2		30
1,2,4-Trichlorobenzene	110		108		70-130	2		30
1,3,5-Trimethylbenzene	106		105		70-130	1		30
1,2,4-Trimethylbenzene	105		105		70-130	0		30
Ethyl ether	106		103		67-130	3		30
Isopropyl Ether	104		103		66-130	1		30
Tert-Butyl Alcohol	104		102		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1931288
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01,07-08 Batch: WG1263292-3 WG1263292-4								
Ethyl-Tert-Butyl-Ether	112		111		70-130	1		30
Tertiary-Amyl Methyl Ether	113		113		70-130	0		30
1,4-Dioxane	99		95		65-136	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	90		88		70-130
Toluene-d8	96		96		70-130
4-Bromofluorobenzene	99		97		70-130
Dibromofluoromethane	96		96		70-130

INORGANICS
&
MISCELLANEOUS

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1931288
Report Date: 08/02/19

SAMPLE RESULTS

Lab ID: L1931288-01
Client ID: SB19-26 (10-12.5)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/15/19 08:31
Date Received: 07/16/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.4		%	0.100	NA	1	-	07/17/19 02:09	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1931288
Report Date: 08/02/19

SAMPLE RESULTS

Lab ID: L1931288-02
Client ID: SB19-27 (11.5-13)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/15/19 08:59
Date Received: 07/16/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.3		%	0.100	NA	1	-	07/17/19 02:09	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1931288
Report Date: 08/02/19

SAMPLE RESULTS

Lab ID: L1931288-03
Client ID: SB19-28 (1.75-3.5)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/15/19 10:05
Date Received: 07/16/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.6		%	0.100	NA	1	-	07/17/19 02:09	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1931288
Report Date: 08/02/19

SAMPLE RESULTS

Lab ID: L1931288-04
Client ID: SB19-28 (10-12)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/15/19 10:00
Date Received: 07/16/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon	0.032		%	0.010	--	1	-	07/31/19 18:13	1,9060A	SP
Grain Size Analysis - Mansfield Lab										
Cobbles	ND		%	0.100	NA	1	-	07/27/19 12:16	12,D6913/D7928	MC
% Coarse Gravel	ND		%	0.100	NA	1	-	07/27/19 12:16	12,D6913/D7928	MC
% Fine Gravel	32.4		%	0.100	NA	1	-	07/27/19 12:16	12,D6913/D7928	MC
% Total Gravel	32.4		%	0.100	NA	1	-	07/27/19 12:16	12,D6913/D7928	MC
% Coarse Sand	19.0		%	0.100	NA	1	-	07/27/19 12:16	12,D6913/D7928	MC
% Medium Sand	30.0		%	0.100	NA	1	-	07/27/19 12:16	12,D6913/D7928	MC
% Fine Sand	11.2		%	0.100	NA	1	-	07/27/19 12:16	12,D6913/D7928	MC
% Total Sand	60.2		%	0.100	NA	1	-	07/27/19 12:16	12,D6913/D7928	MC
% Total Fines	7.40		%	0.100	NA	1	-	07/27/19 12:16	12,D6913/D7928	MC
General Chemistry - Westborough Lab										
Solids, Total	87.4		%	0.100	NA	1	-	07/17/19 02:09	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1931288
Report Date: 08/02/19

SAMPLE RESULTS

Lab ID: L1931288-05
Client ID: SB19-29 (12.25-14.5)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/15/19 11:43
Date Received: 07/16/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.5		%	0.100	NA	1	-	07/17/19 02:09	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1931288
Report Date: 08/02/19

SAMPLE RESULTS

Lab ID: L1931288-06
Client ID: SB19-30 (12.5-15)
Sample Location: SALEM, NH
Date Collected: 07/15/19 13:07
Date Received: 07/16/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.8		%	0.100	NA	1	-	07/17/19 02:09	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1931288
Report Date: 08/02/19

SAMPLE RESULTS

Lab ID: L1931288-07
Client ID: SB19-30 (12.5-15) DUP
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/15/19 13:07
Date Received: 07/16/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.2		%	0.100	NA	1	-	07/17/19 02:09	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1931288
Report Date: 08/02/19

SAMPLE RESULTS

Lab ID: L1931288-08
Client ID: SB19-31 (20-22)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/15/19 14:19
Date Received: 07/16/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.0		%	0.100	NA	1	-	07/17/19 02:09	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1931288
Report Date: 08/02/19

SAMPLE RESULTS

Lab ID: L1931288-09
Client ID: SB19-32 (17-19)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/15/19 15:10
Date Received: 07/16/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.0		%	0.100	NA	1	-	07/17/19 09:14	121,2540G	RI

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1931288
Report Date: 08/02/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab for sample(s): 04 Batch: WG1267823-1										
Total Organic Carbon	ND		%	0.010	--	1	-	07/31/19 18:13	1,9060A	SP

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 0231841

Lab Number: L1931288

Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Organic Carbon - Mansfield Lab Associated sample(s): 04 Batch: WG1267823-2								
Total Organic Carbon	89		-		75-125	-		25

Matrix Spike Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1931288
Report Date: 08/02/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Organic Carbon - Mansfield Lab Associated sample(s): 04 QC Batch ID: WG1267823-4 QC Sample: L1931284-01 Client ID: MS Sample												
Total Organic Carbon	0.026	0.876	0.886	98		-	-		75-125	-		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1931288
Report Date: 08/02/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1260690-1 QC Sample: L1931075-03 Client ID: DUP Sample						
Solids, Total	86.1	91.1	%	6		20
General Chemistry - Westborough Lab Associated sample(s): 09 QC Batch ID: WG1260851-1 QC Sample: L1931158-01 Client ID: DUP Sample						
Solids, Total	79.3	81.8	%	3		20
Grain Size Analysis - Mansfield Lab Associated sample(s): 04 QC Batch ID: WG1265396-1 QC Sample: L1931288-04 Client ID: SB19-28 (10-12)						
Cobbles	ND	ND	%	NC		20
% Coarse Gravel	ND	ND	%	NC		20
% Fine Gravel	32.4	28.3	%	14		20
% Total Gravel	32.4	28.3	%	14		20
% Coarse Sand	19.0	16.5	%	14		20
% Medium Sand	30.0	31.6	%	5		20
% Fine Sand	11.2	11.0	%	2		20
% Total Sand	60.2	59.1	%	2		20
% Total Fines	7.40	12.6	%	**52**	Q	20
Total Organic Carbon - Mansfield Lab Associated sample(s): 04 QC Batch ID: WG1267823-3 QC Sample: L1931284-01 Client ID: DUP Sample						
Total Organic Carbon	0.026	0.023	%	12		25

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1931288
Report Date: 08/02/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1931288-01A	Vial MeOH preserved	A	NA		4.0	Y	Absent		8260HLW-NH(14)
L1931288-01B	Vial water preserved	A	NA		4.0	Y	Absent	16-JUL-19 23:31	8260HLW-NH(14)
L1931288-01C	Vial water preserved	A	NA		4.0	Y	Absent	16-JUL-19 23:31	8260HLW-NH(14)
L1931288-01D	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L1931288-02A	Vial MeOH preserved	A	NA		4.0	Y	Absent		8260HLW-NH(14)
L1931288-02B	Vial water preserved	A	NA		4.0	Y	Absent	16-JUL-19 23:31	8260HLW-NH(14)
L1931288-02C	Vial water preserved	A	NA		4.0	Y	Absent	16-JUL-19 23:31	8260HLW-NH(14)
L1931288-02D	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L1931288-03A	Vial MeOH preserved	A	NA		4.0	Y	Absent		8260HLW-NH(14)
L1931288-03B	Vial water preserved	A	NA		4.0	Y	Absent	16-JUL-19 23:31	8260HLW-NH(14)
L1931288-03C	Vial water preserved	A	NA		4.0	Y	Absent	16-JUL-19 23:31	8260HLW-NH(14)
L1931288-03D	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L1931288-04A	Vial MeOH preserved	A	NA		4.0	Y	Absent		8260HLW-NH(14)
L1931288-04B	Vial water preserved	A	NA		4.0	Y	Absent	16-JUL-19 23:31	8260HLW-NH(14)
L1931288-04C	Vial water preserved	A	NA		4.0	Y	Absent	16-JUL-19 23:31	8260HLW-NH(14)
L1931288-04D	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L1931288-04E	Plastic 8oz unpreserved for Grain Size	A	NA		4.0	Y	Absent		A2-HYDRO-TFINE(),A2-HYDRO-CGRAVEL(),A2-HYDRO-COBBLES(W)(),A2-HYDRO-FSAND(),A2-HYDRO-GRANULE(W)(),A2-HYDRO-CLAY(W)(),A2-HYDRO-MSAND(),A2-HYDRO-VFSAND(W)(),A2-HYDRO-SILT(W)(),A2-HYDRO-TGRAVEL(),A2-HYDRO-CSAND(),A2-HYDRO-PEBBLE(W)(),A2-HYDRO-FSAND(W)(),A2-HYDRO-TSAND(),A2-HYDRO-BOULDER(W)(),A2-HYDRO-CSAND(W)(),A2-HYDRO-MSAND(W)(),A2-HYDRO-VCSAND(W)(),A2-HYDRO-COBBLES(),A2-HYDRO-FGRAVEL()

*Values in parentheses indicate holding time in days

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1931288
Report Date: 08/02/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1931288-04F	Glass 120ml/4oz unpreserved	A	NA		4.0	Y	Absent		A2-TOC-9060(28)
L1931288-05A	Vial MeOH preserved	A	NA		4.0	Y	Absent		8260HLW-NH(14)
L1931288-05B	Vial water preserved	A	NA		4.0	Y	Absent	16-JUL-19 23:31	8260HLW-NH(14)
L1931288-05C	Vial water preserved	A	NA		4.0	Y	Absent	16-JUL-19 23:31	8260HLW-NH(14)
L1931288-05D	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L1931288-06A	Vial MeOH preserved	A	NA		4.0	Y	Absent		8260HLW-NH(14)
L1931288-06B	Vial water preserved	A	NA		4.0	Y	Absent	16-JUL-19 23:31	8260HLW-NH(14)
L1931288-06C	Vial water preserved	A	NA		4.0	Y	Absent	16-JUL-19 23:31	8260HLW-NH(14)
L1931288-06D	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L1931288-07A	Vial MeOH preserved	A	NA		4.0	Y	Absent		8260H-NH(14),8260HLW-NH(14)
L1931288-07B	Vial water preserved	A	NA		4.0	Y	Absent	16-JUL-19 23:31	8260H-NH(14),8260HLW-NH(14)
L1931288-07C	Vial water preserved	A	NA		4.0	Y	Absent	16-JUL-19 23:31	8260H-NH(14),8260HLW-NH(14)
L1931288-07D	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L1931288-08A	Vial MeOH preserved	A	NA		4.0	Y	Absent		8260H-NH(14),8260HLW-NH(14)
L1931288-08B	Vial water preserved	A	NA		4.0	Y	Absent	16-JUL-19 23:31	8260H-NH(14),8260HLW-NH(14)
L1931288-08C	Vial water preserved	A	NA		4.0	Y	Absent	16-JUL-19 23:31	8260H-NH(14),8260HLW-NH(14)
L1931288-08D	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L1931288-09A	Vial MeOH preserved	A	NA		4.0	Y	Absent		8260HLW-NH(14)
L1931288-09B	Vial water preserved	A	NA		4.0	Y	Absent	16-JUL-19 23:31	8260HLW-NH(14)
L1931288-09C	Vial water preserved	A	NA		4.0	Y	Absent	16-JUL-19 23:31	8260HLW-NH(14)
L1931288-09D	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L1931288-10A	Vial HCl preserved	A	NA		4.0	Y	Absent		8260-NH(14)
L1931288-10B	Vial HCl preserved	A	NA		4.0	Y	Absent		8260-NH(14)

*Values in parentheses indicate holding time in days

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1931288
Project Number:	0231841	**Report Date:**	08/02/19

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: Data Usability Report

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1931288
Project Number:	0231841	**Report Date:**	08/02/19

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: Data Usability Report

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1931288
Project Number:	0231841	**Report Date:**	08/02/19

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

12 Annual Book of ASTM Standards. (American Society for Testing and Materials) ASTM International.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

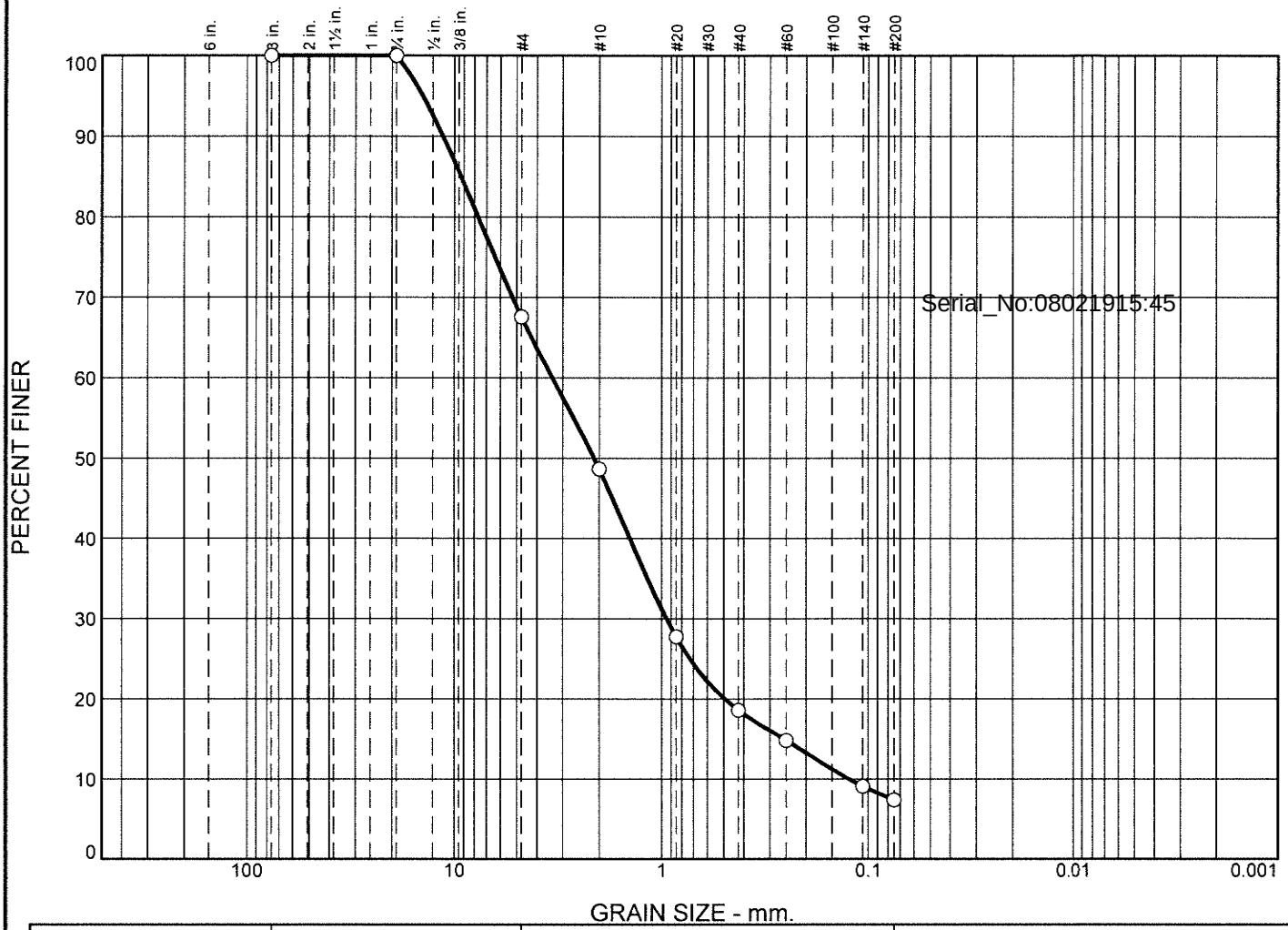
Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

ASTM D6913/D7928

GRAIN SIZE ANALYSIS

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	32.4	19.0	30.0	11.2	7.4	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				9.2870	3.3736	2.1202	0.9468	0.2567	0.1241	2.14	27.18

Material Description	USCS	AASHTO
○		

Project No. **Client:**

Project:

○ **Source of Sample:** SB19-28 (10-12) **Sample Number:** L1931288-04

Date: ○

Alpha Analytical

Mansfield, MA

Remarks:

○ Sampled by SM

Tested by MCH

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

8/2/2019

Location: SB19-28 (10-12)
Sample Number: L1931288-04
Testing Remarks: Sampled by SM
Tested by MCH

Sieve Test Data

Post #200 Wash Test Weights (grams): **Dry Sample and Tare =** 90.40
Tare Wt. = 0.00
Minus #200 from wash = 0.0%

Serial_No:08021915:45

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer
90.40	0.00	3	0.00	0.00	100.0
		0.75	0.00	0.00	100.0
		#4	29.32	0.00	67.6
		#10	17.12	0.00	48.6
		#20	18.87	0.00	27.8
		#40	8.28	0.00	18.6
		#60	3.41	0.00	14.8
		#140	5.20	0.00	9.1
		#200	1.52	0.00	7.4

Fractional Components

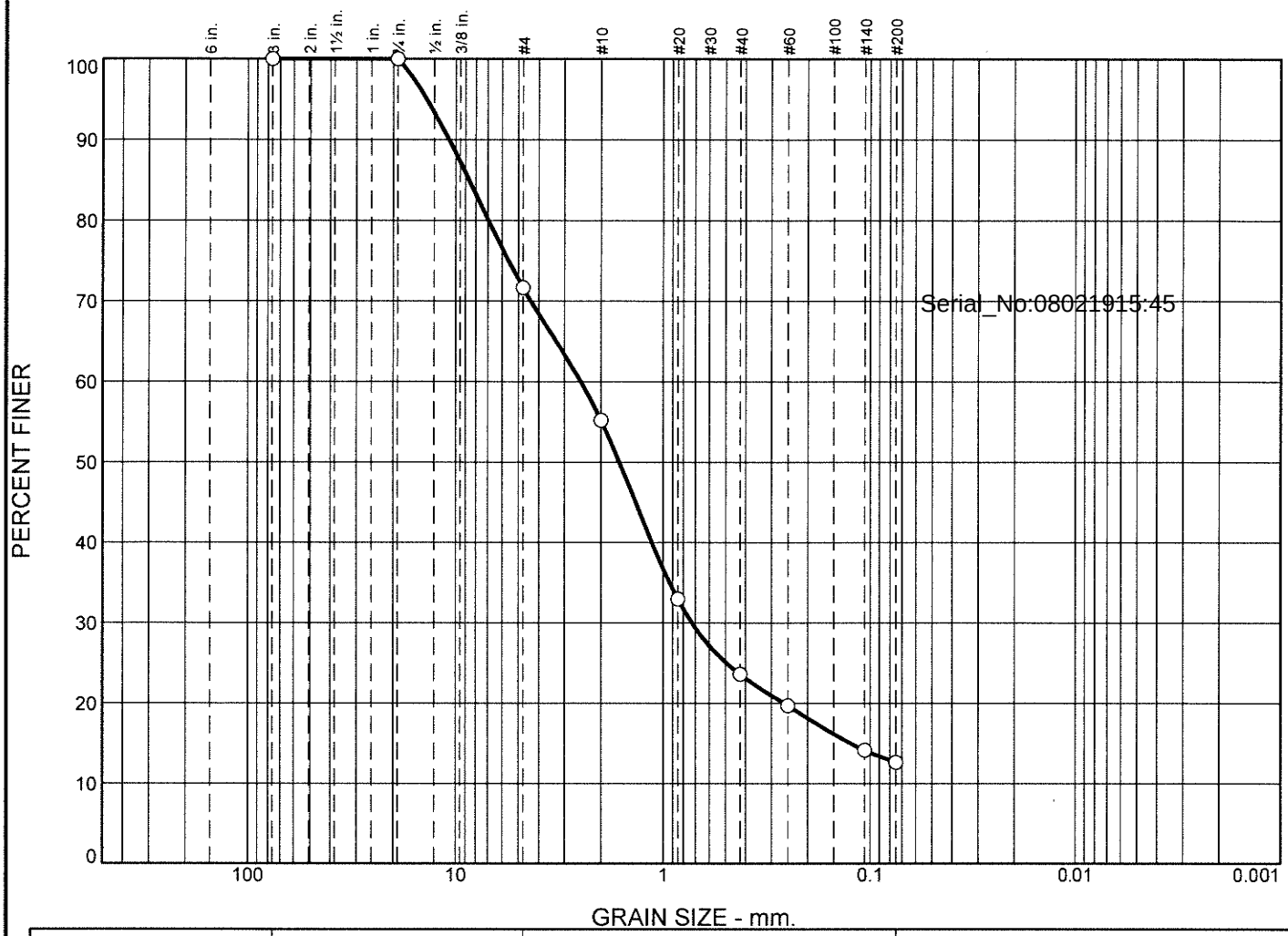
Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	32.4	32.4	19.0	30.0	11.2	60.2			7.4

D_5	D_{10}	D_{15}	D_{20}	D_{30}	D_{40}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
	0.1241	0.2567	0.4950	0.9468	1.4229	2.1202	3.3736	7.6860	9.2870	11.3374	14.1909

Fineness Modulus	C_u	C_c
4.10	27.18	2.14

Alpha Analytical

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	28.3	16.5	31.6	11.0	12.6	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				8.6376	2.5018	1.6303	0.7262	0.1242			

	Material Description	USCS	AASHTO
○			

Project No. **Client:**

Project:

○ **Source of Sample:** SB19-28 (10-12) **Sample Number:** WG1265396-1

Date: ○

Alpha Analytical

Mansfield, MA

Remarks:

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

8/2/2019

Location: SB19-28 (10-12)

Sample Number: WG1265396-1

Sieve Test Data

Post #200 Wash Test Weights (grams): **Dry Sample and Tare =** 94.36
Tare Wt. = 0.00
Minus #200 from wash = 0.0%

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer
94.36	0.00	3	0.00	0.00	100.0
		0.75	0.00	0.00	100.0
		#4	26.74	0.00	71.7
		#10	15.52	0.00	55.2
		#20	20.99	0.00	33.0
		#40	8.83	0.00	23.6
		#60	3.69	0.00	19.7
		#140	5.25	0.00	14.1
		#200	1.43	0.00	12.6

Serial_No:08021915:45

Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	28.3	28.3	16.5	31.6	11.0	59.1			12.6

D_5	D_{10}	D_{15}	D_{20}	D_{30}	D_{40}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
		0.1242	0.2610	0.7262	1.1346	1.6303	2.5018	6.9643	8.6376	10.7809	13.7874

Fineness Modulus
3.77

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 7/16/19

ALPHA Job #: L1931288

ALPHA Analytical
8 Walkup Drive, Westboro, MA 01581, Tel: 508-898-9220
320 Forbes Blvd, Mansfield, MA 02048, Tel: 508-822-9300

Client Information

Client: Woodard & Curran
Address: 40 Shattuck Rd
Andover, MA
Phone: 978 482 7908
Email: Sdney@woodardcurran.com
kelich@woodardcurran.com

Project Information

Project Name: Salem Former WWTF
Project Location: Salem, NH
Project #: 023184
Project Manager: Jarrod Yoder
ALPHA Quote #:

Report Information - Data Deliverables

☒ ADEx ☒ EMAIL

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements & Project Information Requirements

☐ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods
☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
☐ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)
☐ Yes ☐ No NPDES RGP
☐ Other State /Fed Program _____ Criteria _____

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due:

Additional Project Information:

- Preserve VOC Samples w/ DI by Freezing @ 1420 7/15/19

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	VOC: 8260 ☐ 624 ☐ 524.2	SVOC: ☐ ABN ☐ PAH	METALS: ☐ MCP 13 ☐ RCRA5 ☐ RCRA8 ☐ MCP 14 ☐ RCP 15 ☐ PP13	EPH: ☐ Ranges & Targets ☐ Ranges Only	VPH: ☐ Ranges & Targets ☐ Ranges Only	☐ PCB ☐ PEST	TPH: ☐ Quant Only ☐ Fingerprint	Tot-1½ Sol. ds	TOC 9060	Grain Size				Sample Comments	TOTAL # BOTTLES
31288-01	SB 19-26 (10-12.5)	7/15/19	0831	Soil	ACS	X							X							4
-02	SB 19-27 (11.5-13)	7/15/19	0859	Soil	ACS	X							X							4
-03	SB 19-28 (1.75-3)	7/15/19	1005	Soil	ACS	X							X							4
-04	SB 19-28 (10-12)	7/15/19	1000	Soil	ACS	X							X	X	X					6
-05	SB 19-29 (12.5-14.5)	7/15/19	1143	Soil	ACS	X							X							4
-06	SB 19-30 (12.5-15)	7/15/19	1307	Soil	ACS	X							X							4
-07	SB 19-30 (12.5-15) Dup	7/15/19	1307	Soil	ACS	X							X							4
-08	SB 19-31 (20-22)	7/15/19	1419	Soil	ACS	X							X							4
-09	SB 19-32 (17-19)	7/15/19	1509	Soil	ACS	X							X							4
-10	Trip Blank	7/8/19	0994	—	—	X							X							1
						Container Type ✓							P	A	P					
						Preservative F,O							A	A	A					

SAMPLE INFO
Filtration: ☐ Field ☐ Lab to do
Preservation: ☐ Lab to do

Container Type
P= Plastic
A= Amber glass
V= Vial
G= Glass
B= Bacteria cup
C= Cube
O= Other
E= Encore
D= BOD Bottle

Preservative
A= None
B= HCl
C= HNO_3
D= H_2SO_4
E= NaOH
F= MeOH
G= $NaHSO_4$
H= $Na_2S_2O_3$
I= Ascorbic Acid
J= NH_4Cl
K= Zn Acetate
O= Other

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	7/16 1610	[signature]	7-16-19 16:10
[signature]	7-16-19 17:20	[signature]	7/16/19 1720

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)

ANALYTICAL REPORT

Lab Number:	L1932179
Client:	Woodard & Curran 40 Shattuck Road Suite 110 Andover, MA 01810
ATTN:	Jarrod Yoder
Phone:	(978) 557-8150
Project Name:	SALEM FORMER WWTF
Project Number:	231841
Report Date:	08/01/19

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

Project Name: SALEM FORMER WWTF
Project Number: 231841

Lab Number: L1932179
Report Date: 08/01/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1932179-01	SB19-42 (12.5-15)	SOIL	SALEM, NH	07/18/19 09:20	07/19/19
L1932179-02	SB19-43 (0-2.5)	SOIL	SALEM, NH	07/18/19 11:15	07/19/19
L1932179-03	SB19-43 (32.5-35)	SOIL	SALEM, NH	07/18/19 11:30	07/19/19
L1932179-04	SB19-44 (10-12)	SOIL	SALEM, NH	07/18/19 14:00	07/19/19
L1932179-05	SB19-44 (17.5-20)	SOIL	SALEM, NH	07/18/19 14:10	07/19/19
L1932179-06	SB19-45 (2.5-4)	SOIL	SALEM, NH	07/18/19 16:05	07/19/19
L1932179-07	SB19-45 (22.5-25)	SOIL	SALEM, NH	07/18/19 16:10	07/19/19
L1932179-08	TRIP BLANK	WATER	SALEM, NH	07/08/19 09:47	07/19/19
L1932179-09	SB19-46 (15-17.5)	SOIL	SALEM, NH	07/19/19 09:00	07/19/19
L1932179-10	SB19-47 (10-12.5)	SOIL	SALEM, NH	07/19/19 10:30	07/19/19
L1932179-11	SB19-48 (15-17)	SOIL	SALEM, NH	07/19/19 12:00	07/19/19
L1932179-12	SB19-49 (17.5-20)	SOIL	SALEM, NH	07/19/19 14:30	07/19/19

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1932179
Project Number:	231841	**Report Date:**	08/01/19

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1932179
Project Number:	231841	**Report Date:**	08/01/19

Case Narrative (continued)

Report Submission

August 01, 2019: This final report includes the results of all requested analyses.

July 26, 2019: This is a preliminary report.

Total Organic Carbon

WG1261537: The required batch QC was prepared; however, the native sample required a different reporting method; therefore, the associated QC results could not be reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 08/01/19

ORGANICS

VOLATILES

Project Name: SALEM FORMER WWTF **Lab Number:** L1932179

Project Number: 231841 **Report Date:** 08/01/19

SAMPLE RESULTS

Lab ID: L1932179-01
Client ID: SB19-42 (12.5-15)
Sample Location: SALEM, NH

Date Collected: 07/18/19 09:20
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/25/19 14:41
Analyst: NLK
Percent Solids: 73%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.8	--	1
1,1-Dichloroethane	ND		ug/kg	0.77	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.77	--	1
1,2-Dichloropropane	ND		ug/kg	0.77	--	1
Dibromochloromethane	ND		ug/kg	0.77	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.77	--	1
Tetrachloroethene	ND		ug/kg	0.38	--	1
Chlorobenzene	ND		ug/kg	0.38	--	1
Trichlorofluoromethane	ND		ug/kg	3.1	--	1
1,2-Dichloroethane	ND		ug/kg	0.77	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.38	--	1
Bromodichloromethane	ND		ug/kg	0.38	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.77	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.38	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.38	--	1
1,1-Dichloropropene	ND		ug/kg	0.38	--	1
Bromoform	ND		ug/kg	3.1	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.38	--	1
Benzene	ND		ug/kg	0.38	--	1
Toluene	ND		ug/kg	0.77	--	1
Ethylbenzene	ND		ug/kg	0.77	--	1
Chloromethane	ND		ug/kg	3.1	--	1
Bromomethane	ND		ug/kg	1.5	--	1
Vinyl chloride	ND		ug/kg	0.77	--	1
Chloroethane	ND		ug/kg	1.5	--	1
1,1-Dichloroethene	ND		ug/kg	0.77	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1932179

Project Number: 231841 **Report Date:** 08/01/19

SAMPLE RESULTS

Lab ID: L1932179-01 Date Collected: 07/18/19 09:20

Client ID: SB19-42 (12.5-15) Date Received: 07/19/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.38	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.5	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.5	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.5	--	1
Methyl tert butyl ether	ND		ug/kg	1.5	--	1
p/m-Xylene	ND		ug/kg	1.5	--	1
o-Xylene	ND		ug/kg	0.77	--	1
Xylenes, Total	ND		ug/kg	0.77	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.77	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.77	--	1
Dibromomethane	ND		ug/kg	1.5	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.5	--	1
Styrene	ND		ug/kg	0.77	--	1
Dichlorodifluoromethane	ND		ug/kg	7.7	--	1
Acetone	ND		ug/kg	7.7	--	1
Carbon disulfide	ND		ug/kg	7.7	--	1
2-Butanone	ND		ug/kg	7.7	--	1
4-Methyl-2-pentanone	ND		ug/kg	7.7	--	1
2-Hexanone	ND		ug/kg	7.7	--	1
Bromochloromethane	ND		ug/kg	1.5	--	1
Tetrahydrofuran	ND		ug/kg	3.1	--	1
2,2-Dichloropropane	ND		ug/kg	1.5	--	1
1,2-Dibromoethane	ND		ug/kg	0.77	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.38	--	1
Bromobenzene	ND		ug/kg	1.5	--	1
n-Butylbenzene	ND		ug/kg	0.77	--	1
sec-Butylbenzene	ND		ug/kg	0.77	--	1
tert-Butylbenzene	ND		ug/kg	1.5	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.5	--	1
o-Chlorotoluene	ND		ug/kg	1.5	--	1
p-Chlorotoluene	ND		ug/kg	1.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.3	--	1
Hexachlorobutadiene	ND		ug/kg	3.1	--	1
Isopropylbenzene	ND		ug/kg	0.77	--	1
p-Isopropyltoluene	ND		ug/kg	0.77	--	1
Naphthalene	ND		ug/kg	3.1	--	1
n-Propylbenzene	ND		ug/kg	0.77	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1932179

Project Number: 231841 **Report Date:** 08/01/19

SAMPLE RESULTS

Lab ID: L1932179-01 Date Collected: 07/18/19 09:20

Client ID: SB19-42 (12.5-15) Date Received: 07/19/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.5	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.5	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.5	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.5	--	1
Ethyl ether	ND		ug/kg	1.5	--	1
Isopropyl Ether	ND		ug/kg	1.5	--	1
Tert-Butyl Alcohol	ND		ug/kg	15	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.5	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.5	--	1
1,4-Dioxane	ND		ug/kg	61	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	100		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1932179

Project Number: 231841 **Report Date:** 08/01/19

SAMPLE RESULTS

Lab ID: L1932179-02 Date Collected: 07/18/19 11:15
Client ID: SB19-43 (0-2.5) Date Received: 07/19/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/25/19 15:07
Analyst: NLK
Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.1	--	1
1,1-Dichloroethane	ND		ug/kg	0.81	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.81	--	1
1,2-Dichloropropane	ND		ug/kg	0.81	--	1
Dibromochloromethane	ND		ug/kg	0.81	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.81	--	1
Tetrachloroethene	ND		ug/kg	0.41	--	1
Chlorobenzene	ND		ug/kg	0.41	--	1
Trichlorofluoromethane	ND		ug/kg	3.2	--	1
1,2-Dichloroethane	ND		ug/kg	0.81	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.41	--	1
Bromodichloromethane	ND		ug/kg	0.41	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.81	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.41	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.41	--	1
1,1-Dichloropropene	ND		ug/kg	0.41	--	1
Bromoform	ND		ug/kg	3.2	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.41	--	1
Benzene	ND		ug/kg	0.41	--	1
Toluene	ND		ug/kg	0.81	--	1
Ethylbenzene	ND		ug/kg	0.81	--	1
Chloromethane	ND		ug/kg	3.2	--	1
Bromomethane	ND		ug/kg	1.6	--	1
Vinyl chloride	ND		ug/kg	0.81	--	1
Chloroethane	ND		ug/kg	1.6	--	1
1,1-Dichloroethene	ND		ug/kg	0.81	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1932179

Project Number: 231841 **Report Date:** 08/01/19

SAMPLE RESULTS

Lab ID: L1932179-02 Date Collected: 07/18/19 11:15

Client ID: SB19-43 (0-2.5) Date Received: 07/19/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.41	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.6	--	1
Methyl tert butyl ether	ND		ug/kg	1.6	--	1
p/m-Xylene	ND		ug/kg	1.6	--	1
o-Xylene	ND		ug/kg	0.81	--	1
Xylenes, Total	ND		ug/kg	0.81	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.81	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.81	--	1
Dibromomethane	ND		ug/kg	1.6	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.6	--	1
Styrene	ND		ug/kg	0.81	--	1
Dichlorodifluoromethane	ND		ug/kg	8.1	--	1
Acetone	ND		ug/kg	8.1	--	1
Carbon disulfide	ND		ug/kg	8.1	--	1
2-Butanone	ND		ug/kg	8.1	--	1
4-Methyl-2-pentanone	ND		ug/kg	8.1	--	1
2-Hexanone	ND		ug/kg	8.1	--	1
Bromochloromethane	ND		ug/kg	1.6	--	1
Tetrahydrofuran	ND		ug/kg	3.2	--	1
2,2-Dichloropropane	ND		ug/kg	1.6	--	1
1,2-Dibromoethane	ND		ug/kg	0.81	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.41	--	1
Bromobenzene	ND		ug/kg	1.6	--	1
n-Butylbenzene	ND		ug/kg	0.81	--	1
sec-Butylbenzene	ND		ug/kg	0.81	--	1
tert-Butylbenzene	ND		ug/kg	1.6	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.6	--	1
o-Chlorotoluene	ND		ug/kg	1.6	--	1
p-Chlorotoluene	ND		ug/kg	1.6	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.4	--	1
Hexachlorobutadiene	ND		ug/kg	3.2	--	1
Isopropylbenzene	ND		ug/kg	0.81	--	1
p-Isopropyltoluene	ND		ug/kg	0.81	--	1
Naphthalene	ND		ug/kg	3.2	--	1
n-Propylbenzene	ND		ug/kg	0.81	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1932179

Project Number: 231841 **Report Date:** 08/01/19

SAMPLE RESULTS

Lab ID: L1932179-02 Date Collected: 07/18/19 11:15

Client ID: SB19-43 (0-2.5) Date Received: 07/19/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.6	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.6	--	1
Ethyl ether	ND		ug/kg	1.6	--	1
Isopropyl Ether	ND		ug/kg	1.6	--	1
Tert-Butyl Alcohol	ND		ug/kg	16	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.6	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.6	--	1
1,4-Dioxane	ND		ug/kg	65	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	102		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1932179

Project Number: 231841 **Report Date:** 08/01/19

SAMPLE RESULTS

Lab ID: L1932179-03 Date Collected: 07/18/19 11:30
Client ID: SB19-43 (32.5-35) Date Received: 07/19/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/25/19 15:32
Analyst: NLK
Percent Solids: 75%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.9	--	1
1,1-Dichloroethane	ND		ug/kg	0.78	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.78	--	1
1,2-Dichloropropane	ND		ug/kg	0.78	--	1
Dibromochloromethane	ND		ug/kg	0.78	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.78	--	1
Tetrachloroethene	ND		ug/kg	0.39	--	1
Chlorobenzene	ND		ug/kg	0.39	--	1
Trichlorofluoromethane	ND		ug/kg	3.1	--	1
1,2-Dichloroethane	ND		ug/kg	0.78	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.39	--	1
Bromodichloromethane	ND		ug/kg	0.39	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.78	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.39	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.39	--	1
1,1-Dichloropropene	ND		ug/kg	0.39	--	1
Bromoform	ND		ug/kg	3.1	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.39	--	1
Benzene	ND		ug/kg	0.39	--	1
Toluene	ND		ug/kg	0.78	--	1
Ethylbenzene	ND		ug/kg	0.78	--	1
Chloromethane	ND		ug/kg	3.1	--	1
Bromomethane	ND		ug/kg	1.6	--	1
Vinyl chloride	ND		ug/kg	0.78	--	1
Chloroethane	ND		ug/kg	1.6	--	1
1,1-Dichloroethene	ND		ug/kg	0.78	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1932179

Project Number: 231841 **Report Date:** 08/01/19

SAMPLE RESULTS

Lab ID: L1932179-03 Date Collected: 07/18/19 11:30

Client ID: SB19-43 (32.5-35) Date Received: 07/19/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.39	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.6	--	1
Methyl tert butyl ether	ND		ug/kg	1.6	--	1
p/m-Xylene	ND		ug/kg	1.6	--	1
o-Xylene	ND		ug/kg	0.78	--	1
Xylenes, Total	ND		ug/kg	0.78	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.78	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.78	--	1
Dibromomethane	ND		ug/kg	1.6	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.6	--	1
Styrene	ND		ug/kg	0.78	--	1
Dichlorodifluoromethane	ND		ug/kg	7.8	--	1
Acetone	ND		ug/kg	7.8	--	1
Carbon disulfide	ND		ug/kg	7.8	--	1
2-Butanone	ND		ug/kg	7.8	--	1
4-Methyl-2-pentanone	ND		ug/kg	7.8	--	1
2-Hexanone	ND		ug/kg	7.8	--	1
Bromochloromethane	ND		ug/kg	1.6	--	1
Tetrahydrofuran	ND		ug/kg	3.1	--	1
2,2-Dichloropropane	ND		ug/kg	1.6	--	1
1,2-Dibromoethane	ND		ug/kg	0.78	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.39	--	1
Bromobenzene	ND		ug/kg	1.6	--	1
n-Butylbenzene	ND		ug/kg	0.78	--	1
sec-Butylbenzene	ND		ug/kg	0.78	--	1
tert-Butylbenzene	ND		ug/kg	1.6	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.6	--	1
o-Chlorotoluene	ND		ug/kg	1.6	--	1
p-Chlorotoluene	ND		ug/kg	1.6	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.3	--	1
Hexachlorobutadiene	ND		ug/kg	3.1	--	1
Isopropylbenzene	ND		ug/kg	0.78	--	1
p-Isopropyltoluene	ND		ug/kg	0.78	--	1
Naphthalene	ND		ug/kg	3.1	--	1
n-Propylbenzene	ND		ug/kg	0.78	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1932179

Project Number: 231841 **Report Date:** 08/01/19

SAMPLE RESULTS

Lab ID: L1932179-03 Date Collected: 07/18/19 11:30

Client ID: SB19-43 (32.5-35) Date Received: 07/19/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.6	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.6	--	1
Ethyl ether	ND		ug/kg	1.6	--	1
Isopropyl Ether	ND		ug/kg	1.6	--	1
Tert-Butyl Alcohol	ND		ug/kg	16	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.6	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.6	--	1
1,4-Dioxane	ND		ug/kg	62	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	100		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1932179

Project Number: 231841 **Report Date:** 08/01/19

SAMPLE RESULTS

Lab ID: L1932179-04 Date Collected: 07/18/19 14:00
Client ID: SB19-44 (10-12) Date Received: 07/19/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/26/19 11:31
Analyst: JC
Percent Solids: 74%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	970	--	1
1,1-Dichloroethane	ND		ug/kg	190	--	1
Chloroform	ND		ug/kg	290	--	1
Carbon tetrachloride	ND		ug/kg	190	--	1
1,2-Dichloropropane	ND		ug/kg	190	--	1
Dibromochloromethane	ND		ug/kg	190	--	1
1,1,2-Trichloroethane	ND		ug/kg	190	--	1
Tetrachloroethene	140		ug/kg	97	--	1
Chlorobenzene	ND		ug/kg	97	--	1
Trichlorofluoromethane	ND		ug/kg	780	--	1
1,2-Dichloroethane	ND		ug/kg	190	--	1
1,1,1-Trichloroethane	480		ug/kg	97	--	1
Bromodichloromethane	ND		ug/kg	97	--	1
trans-1,3-Dichloropropene	ND		ug/kg	190	--	1
cis-1,3-Dichloropropene	ND		ug/kg	97	--	1
1,3-Dichloropropene, Total	ND		ug/kg	97	--	1
1,1-Dichloropropene	ND		ug/kg	97	--	1
Bromoform	ND		ug/kg	780	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	97	--	1
Benzene	ND		ug/kg	97	--	1
Toluene	ND		ug/kg	190	--	1
Ethylbenzene	ND		ug/kg	190	--	1
Chloromethane	ND		ug/kg	780	--	1
Bromomethane	ND		ug/kg	390	--	1
Vinyl chloride	ND		ug/kg	190	--	1
Chloroethane	ND		ug/kg	390	--	1
1,1-Dichloroethene	ND		ug/kg	190	--	1
trans-1,2-Dichloroethene	ND		ug/kg	290	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1932179

Project Number: 231841 **Report Date:** 08/01/19

SAMPLE RESULTS

Lab ID: L1932179-04 Date Collected: 07/18/19 14:00

Client ID: SB19-44 (10-12) Date Received: 07/19/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	7600		ug/kg	97	--	1
1,2-Dichlorobenzene	ND		ug/kg	390	--	1
1,3-Dichlorobenzene	ND		ug/kg	390	--	1
1,4-Dichlorobenzene	ND		ug/kg	390	--	1
Methyl tert butyl ether	ND		ug/kg	390	--	1
p/m-Xylene	ND		ug/kg	390	--	1
o-Xylene	ND		ug/kg	190	--	1
Xylenes, Total	ND		ug/kg	190	--	1
cis-1,2-Dichloroethene	2500		ug/kg	190	--	1
1,2-Dichloroethene, Total	2500		ug/kg	190	--	1
Dibromomethane	ND		ug/kg	390	--	1
1,2,3-Trichloropropane	ND		ug/kg	390	--	1
Styrene	ND		ug/kg	190	--	1
Dichlorodifluoromethane	ND		ug/kg	1900	--	1
Acetone	ND		ug/kg	1900	--	1
Carbon disulfide	ND		ug/kg	1900	--	1
2-Butanone	ND		ug/kg	1900	--	1
4-Methyl-2-pentanone	ND		ug/kg	1900	--	1
2-Hexanone	ND		ug/kg	1900	--	1
Bromochloromethane	ND		ug/kg	390	--	1
Tetrahydrofuran	ND		ug/kg	780	--	1
2,2-Dichloropropane	ND		ug/kg	390	--	1
1,2-Dibromoethane	ND		ug/kg	190	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	97	--	1
Bromobenzene	ND		ug/kg	390	--	1
n-Butylbenzene	ND		ug/kg	190	--	1
sec-Butylbenzene	ND		ug/kg	190	--	1
tert-Butylbenzene	ND		ug/kg	390	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	390	--	1
o-Chlorotoluene	ND		ug/kg	390	--	1
p-Chlorotoluene	ND		ug/kg	390	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	580	--	1
Hexachlorobutadiene	ND		ug/kg	780	--	1
Isopropylbenzene	ND		ug/kg	190	--	1
p-Isopropyltoluene	ND		ug/kg	190	--	1
Naphthalene	ND		ug/kg	780	--	1
n-Propylbenzene	ND		ug/kg	190	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1932179

Project Number: 231841 **Report Date:** 08/01/19

SAMPLE RESULTS

Lab ID: L1932179-04 Date Collected: 07/18/19 14:00

Client ID: SB19-44 (10-12) Date Received: 07/19/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	390	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	390	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	390	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	390	--	1
Ethyl ether	ND		ug/kg	390	--	1
Isopropyl Ether	ND		ug/kg	390	--	1
Tert-Butyl Alcohol	ND		ug/kg	3900	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	390	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	390	--	1
1,4-Dioxane	ND		ug/kg	16000	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	103		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1932179

Project Number: 231841 **Report Date:** 08/01/19

SAMPLE RESULTS

Lab ID: L1932179-05
Client ID: SB19-44 (17.5-20)
Sample Location: SALEM, NH

Date Collected: 07/18/19 14:10
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/25/19 15:58
Analyst: NLK
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.1	--	1
1,1-Dichloroethane	ND		ug/kg	0.81	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.81	--	1
1,2-Dichloropropane	ND		ug/kg	0.81	--	1
Dibromochloromethane	ND		ug/kg	0.81	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.81	--	1
Tetrachloroethene	ND		ug/kg	0.41	--	1
Chlorobenzene	ND		ug/kg	0.41	--	1
Trichlorofluoromethane	ND		ug/kg	3.2	--	1
1,2-Dichloroethane	ND		ug/kg	0.81	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.41	--	1
Bromodichloromethane	ND		ug/kg	0.41	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.81	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.41	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.41	--	1
1,1-Dichloropropene	ND		ug/kg	0.41	--	1
Bromoform	ND		ug/kg	3.2	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.41	--	1
Benzene	ND		ug/kg	0.41	--	1
Toluene	ND		ug/kg	0.81	--	1
Ethylbenzene	ND		ug/kg	0.81	--	1
Chloromethane	ND		ug/kg	3.2	--	1
Bromomethane	ND		ug/kg	1.6	--	1
Vinyl chloride	ND		ug/kg	0.81	--	1
Chloroethane	ND		ug/kg	1.6	--	1
1,1-Dichloroethene	ND		ug/kg	0.81	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1932179

Project Number: 231841 **Report Date:** 08/01/19

SAMPLE RESULTS

Lab ID: L1932179-05 Date Collected: 07/18/19 14:10

Client ID: SB19-44 (17.5-20) Date Received: 07/19/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.41	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.6	--	1
Methyl tert butyl ether	ND		ug/kg	1.6	--	1
p/m-Xylene	ND		ug/kg	1.6	--	1
o-Xylene	ND		ug/kg	0.81	--	1
Xylenes, Total	ND		ug/kg	0.81	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.81	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.81	--	1
Dibromomethane	ND		ug/kg	1.6	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.6	--	1
Styrene	ND		ug/kg	0.81	--	1
Dichlorodifluoromethane	ND		ug/kg	8.1	--	1
Acetone	ND		ug/kg	8.1	--	1
Carbon disulfide	ND		ug/kg	8.1	--	1
2-Butanone	ND		ug/kg	8.1	--	1
4-Methyl-2-pentanone	ND		ug/kg	8.1	--	1
2-Hexanone	ND		ug/kg	8.1	--	1
Bromochloromethane	ND		ug/kg	1.6	--	1
Tetrahydrofuran	ND		ug/kg	3.2	--	1
2,2-Dichloropropane	ND		ug/kg	1.6	--	1
1,2-Dibromoethane	ND		ug/kg	0.81	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.41	--	1
Bromobenzene	ND		ug/kg	1.6	--	1
n-Butylbenzene	ND		ug/kg	0.81	--	1
sec-Butylbenzene	ND		ug/kg	0.81	--	1
tert-Butylbenzene	ND		ug/kg	1.6	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.6	--	1
o-Chlorotoluene	ND		ug/kg	1.6	--	1
p-Chlorotoluene	ND		ug/kg	1.6	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.4	--	1
Hexachlorobutadiene	ND		ug/kg	3.2	--	1
Isopropylbenzene	ND		ug/kg	0.81	--	1
p-Isopropyltoluene	ND		ug/kg	0.81	--	1
Naphthalene	ND		ug/kg	3.2	--	1
n-Propylbenzene	ND		ug/kg	0.81	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1932179

Project Number: 231841 **Report Date:** 08/01/19

SAMPLE RESULTS

Lab ID: L1932179-05 Date Collected: 07/18/19 14:10

Client ID: SB19-44 (17.5-20) Date Received: 07/19/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.6	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.6	--	1
Ethyl ether	ND		ug/kg	1.6	--	1
Isopropyl Ether	ND		ug/kg	1.6	--	1
Tert-Butyl Alcohol	ND		ug/kg	16	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.6	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.6	--	1
1,4-Dioxane	ND		ug/kg	65	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	100		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1932179

Project Number: 231841 **Report Date:** 08/01/19

SAMPLE RESULTS

Lab ID: L1932179-06
Client ID: SB19-45 (2.5-4)
Sample Location: SALEM, NH

Date Collected: 07/18/19 16:05
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/26/19 11:57
Analyst: JC
Percent Solids: 33%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	2900	--	1
1,1-Dichloroethane	ND		ug/kg	580	--	1
Chloroform	ND		ug/kg	860	--	1
Carbon tetrachloride	ND		ug/kg	580	--	1
1,2-Dichloropropane	ND		ug/kg	580	--	1
Dibromochloromethane	ND		ug/kg	580	--	1
1,1,2-Trichloroethane	ND		ug/kg	580	--	1
Tetrachloroethene	960		ug/kg	290	--	1
Chlorobenzene	1200		ug/kg	290	--	1
Trichlorofluoromethane	ND		ug/kg	2300	--	1
1,2-Dichloroethane	ND		ug/kg	580	--	1
1,1,1-Trichloroethane	ND		ug/kg	290	--	1
Bromodichloromethane	ND		ug/kg	290	--	1
trans-1,3-Dichloropropene	ND		ug/kg	580	--	1
cis-1,3-Dichloropropene	ND		ug/kg	290	--	1
1,3-Dichloropropene, Total	ND		ug/kg	290	--	1
1,1-Dichloropropene	ND		ug/kg	290	--	1
Bromoform	ND		ug/kg	2300	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	290	--	1
Benzene	ND		ug/kg	290	--	1
Toluene	61000		ug/kg	580	--	1
Ethylbenzene	4900		ug/kg	580	--	1
Chloromethane	ND		ug/kg	2300	--	1
Bromomethane	ND		ug/kg	1200	--	1
Vinyl chloride	ND		ug/kg	580	--	1
Chloroethane	ND		ug/kg	1200	--	1
1,1-Dichloroethene	ND		ug/kg	580	--	1
trans-1,2-Dichloroethene	ND		ug/kg	860	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1932179

Project Number: 231841 **Report Date:** 08/01/19

SAMPLE RESULTS

Lab ID: L1932179-06 Date Collected: 07/18/19 16:05

Client ID: SB19-45 (2.5-4) Date Received: 07/19/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	350		ug/kg	290	--	1
1,2-Dichlorobenzene	200000	E	ug/kg	1200	--	1
1,3-Dichlorobenzene	12000		ug/kg	1200	--	1
1,4-Dichlorobenzene	58000		ug/kg	1200	--	1
Methyl tert butyl ether	ND		ug/kg	1200	--	1
p/m-Xylene	27000		ug/kg	1200	--	1
o-Xylene	7500		ug/kg	580	--	1
Xylenes, Total	35000		ug/kg	580	--	1
cis-1,2-Dichloroethene	1800		ug/kg	580	--	1
1,2-Dichloroethene, Total	1800		ug/kg	580	--	1
Dibromomethane	ND		ug/kg	1200	--	1
1,2,3-Trichloropropane	ND		ug/kg	1200	--	1
Styrene	ND		ug/kg	580	--	1
Dichlorodifluoromethane	ND		ug/kg	5800	--	1
Acetone	7100		ug/kg	5800	--	1
Carbon disulfide	ND		ug/kg	5800	--	1
2-Butanone	ND		ug/kg	5800	--	1
4-Methyl-2-pentanone	ND		ug/kg	5800	--	1
2-Hexanone	ND		ug/kg	5800	--	1
Bromochloromethane	ND		ug/kg	1200	--	1
Tetrahydrofuran	ND		ug/kg	2300	--	1
2,2-Dichloropropane	ND		ug/kg	1200	--	1
1,2-Dibromoethane	ND		ug/kg	580	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	290	--	1
Bromobenzene	ND		ug/kg	1200	--	1
n-Butylbenzene	9800		ug/kg	580	--	1
sec-Butylbenzene	3700		ug/kg	580	--	1
tert-Butylbenzene	ND		ug/kg	1200	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1200	--	1
o-Chlorotoluene	ND		ug/kg	1200	--	1
p-Chlorotoluene	ND		ug/kg	1200	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	1700	--	1
Hexachlorobutadiene	ND		ug/kg	2300	--	1
Isopropylbenzene	1000		ug/kg	580	--	1
p-Isopropyltoluene	86000		ug/kg	580	--	1
Naphthalene	15000		ug/kg	2300	--	1
n-Propylbenzene	3600		ug/kg	580	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1932179

Project Number: 231841 **Report Date:** 08/01/19

SAMPLE RESULTS

Lab ID: L1932179-06 Date Collected: 07/18/19 16:05

Client ID: SB19-45 (2.5-4) Date Received: 07/19/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	1600		ug/kg	1200	--	1
1,2,4-Trichlorobenzene	4600		ug/kg	1200	--	1
1,3,5-Trimethylbenzene	12000		ug/kg	1200	--	1
1,2,4-Trimethylbenzene	32000		ug/kg	1200	--	1
Ethyl ether	ND		ug/kg	1200	--	1
Isopropyl Ether	ND		ug/kg	1200	--	1
Tert-Butyl Alcohol	ND		ug/kg	12000	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1200	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1200	--	1
1,4-Dioxane	ND		ug/kg	46000	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	101		70-130

Project Name: SALEM FORMER WWTF
Lab Number: L1932179
Project Number: 231841
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932179-06 D
Client ID: SB19-45 (2.5-4)
Sample Location: SALEM, NH

Date Collected: 07/18/19 16:05
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/26/19 13:42
Analyst: JC
Percent Solids: 33%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2-Dichlorobenzene	210000		ug/kg	2900	--	2.5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	97		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1932179

Project Number: 231841 **Report Date:** 08/01/19

SAMPLE RESULTS

Lab ID: L1932179-07 Date Collected: 07/18/19 16:10
Client ID: SB19-45 (22.5-25) Date Received: 07/19/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/25/19 16:23
Analyst: NLK
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.8	--	1
1,1-Dichloroethane	ND		ug/kg	0.75	--	1
Chloroform	ND		ug/kg	1.1	--	1
Carbon tetrachloride	ND		ug/kg	0.75	--	1
1,2-Dichloropropane	ND		ug/kg	0.75	--	1
Dibromochloromethane	ND		ug/kg	0.75	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.75	--	1
Tetrachloroethene	ND		ug/kg	0.38	--	1
Chlorobenzene	ND		ug/kg	0.38	--	1
Trichlorofluoromethane	ND		ug/kg	3.0	--	1
1,2-Dichloroethane	ND		ug/kg	0.75	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.38	--	1
Bromodichloromethane	ND		ug/kg	0.38	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.75	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.38	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.38	--	1
1,1-Dichloropropene	ND		ug/kg	0.38	--	1
Bromoform	ND		ug/kg	3.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.38	--	1
Benzene	ND		ug/kg	0.38	--	1
Toluene	ND		ug/kg	0.75	--	1
Ethylbenzene	ND		ug/kg	0.75	--	1
Chloromethane	ND		ug/kg	3.0	--	1
Bromomethane	ND		ug/kg	1.5	--	1
Vinyl chloride	ND		ug/kg	0.75	--	1
Chloroethane	ND		ug/kg	1.5	--	1
1,1-Dichloroethene	ND		ug/kg	0.75	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.1	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1932179

Project Number: 231841 **Report Date:** 08/01/19

SAMPLE RESULTS

Lab ID: L1932179-07 Date Collected: 07/18/19 16:10

Client ID: SB19-45 (22.5-25) Date Received: 07/19/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	1.2		ug/kg	0.38	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.5	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.5	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.5	--	1
Methyl tert butyl ether	ND		ug/kg	1.5	--	1
p/m-Xylene	ND		ug/kg	1.5	--	1
o-Xylene	ND		ug/kg	0.75	--	1
Xylenes, Total	ND		ug/kg	0.75	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.75	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.75	--	1
Dibromomethane	ND		ug/kg	1.5	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.5	--	1
Styrene	ND		ug/kg	0.75	--	1
Dichlorodifluoromethane	ND		ug/kg	7.5	--	1
Acetone	9.5		ug/kg	7.5	--	1
Carbon disulfide	ND		ug/kg	7.5	--	1
2-Butanone	ND		ug/kg	7.5	--	1
4-Methyl-2-pentanone	ND		ug/kg	7.5	--	1
2-Hexanone	ND		ug/kg	7.5	--	1
Bromochloromethane	ND		ug/kg	1.5	--	1
Tetrahydrofuran	ND		ug/kg	3.0	--	1
2,2-Dichloropropane	ND		ug/kg	1.5	--	1
1,2-Dibromoethane	ND		ug/kg	0.75	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.38	--	1
Bromobenzene	ND		ug/kg	1.5	--	1
n-Butylbenzene	ND		ug/kg	0.75	--	1
sec-Butylbenzene	ND		ug/kg	0.75	--	1
tert-Butylbenzene	ND		ug/kg	1.5	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.5	--	1
o-Chlorotoluene	ND		ug/kg	1.5	--	1
p-Chlorotoluene	ND		ug/kg	1.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.3	--	1
Hexachlorobutadiene	ND		ug/kg	3.0	--	1
Isopropylbenzene	ND		ug/kg	0.75	--	1
p-Isopropyltoluene	ND		ug/kg	0.75	--	1
Naphthalene	ND		ug/kg	3.0	--	1
n-Propylbenzene	ND		ug/kg	0.75	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1932179

Project Number: 231841 **Report Date:** 08/01/19

SAMPLE RESULTS

Lab ID: L1932179-07 Date Collected: 07/18/19 16:10

Client ID: SB19-45 (22.5-25) Date Received: 07/19/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.5	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.5	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.5	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.5	--	1
Ethyl ether	ND		ug/kg	1.5	--	1
Isopropyl Ether	ND		ug/kg	1.5	--	1
Tert-Butyl Alcohol	ND		ug/kg	15	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.5	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.5	--	1
1,4-Dioxane	ND		ug/kg	60	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	100		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1932179

Project Number: 231841 **Report Date:** 08/01/19

SAMPLE RESULTS

Lab ID: L1932179-08 Date Collected: 07/08/19 09:47
Client ID: TRIP BLANK Date Received: 07/19/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/29/19 10:31
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1932179

Project Number: 231841 **Report Date:** 08/01/19

SAMPLE RESULTS

Lab ID: L1932179-08 Date Collected: 07/08/19 09:47

Client ID: TRIP BLANK Date Received: 07/19/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethene, Total	ND		ug/l	0.50	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1932179

Project Number: 231841 **Report Date:** 08/01/19

SAMPLE RESULTS

Lab ID: L1932179-08 Date Collected: 07/08/19 09:47

Client ID: TRIP BLANK Date Received: 07/19/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,3,5-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
Isopropyl Ether	ND		ug/l	2.0	--	1
Tert-Butyl Alcohol	ND		ug/l	10	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	103		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1932179

Project Number: 231841 **Report Date:** 08/01/19

SAMPLE RESULTS

Lab ID: L1932179-09
Client ID: SB19-46 (15-17.5)
Sample Location: SALEM, NH

Date Collected: 07/19/19 09:00
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/26/19 05:00
Analyst: NLK
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	680	--	1
1,1-Dichloroethane	ND		ug/kg	140	--	1
Chloroform	ND		ug/kg	200	--	1
Carbon tetrachloride	ND		ug/kg	140	--	1
1,2-Dichloropropane	ND		ug/kg	140	--	1
Dibromochloromethane	ND		ug/kg	140	--	1
1,1,2-Trichloroethane	ND		ug/kg	140	--	1
Tetrachloroethene	ND		ug/kg	68	--	1
Chlorobenzene	ND		ug/kg	68	--	1
Trichlorofluoromethane	ND		ug/kg	540	--	1
1,2-Dichloroethane	ND		ug/kg	140	--	1
1,1,1-Trichloroethane	510		ug/kg	68	--	1
Bromodichloromethane	ND		ug/kg	68	--	1
trans-1,3-Dichloropropene	ND		ug/kg	140	--	1
cis-1,3-Dichloropropene	ND		ug/kg	68	--	1
1,3-Dichloropropene, Total	ND		ug/kg	68	--	1
1,1-Dichloropropene	ND		ug/kg	68	--	1
Bromoform	ND		ug/kg	540	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	68	--	1
Benzene	ND		ug/kg	68	--	1
Toluene	210		ug/kg	140	--	1
Ethylbenzene	ND		ug/kg	140	--	1
Chloromethane	ND		ug/kg	540	--	1
Bromomethane	ND		ug/kg	270	--	1
Vinyl chloride	ND		ug/kg	140	--	1
Chloroethane	ND		ug/kg	270	--	1
1,1-Dichloroethene	ND		ug/kg	140	--	1
trans-1,2-Dichloroethene	ND		ug/kg	200	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1932179

Project Number: 231841 **Report Date:** 08/01/19

SAMPLE RESULTS

Lab ID: L1932179-09 Date Collected: 07/19/19 09:00

Client ID: SB19-46 (15-17.5) Date Received: 07/19/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	800		ug/kg	68	--	1
1,2-Dichlorobenzene	ND		ug/kg	270	--	1
1,3-Dichlorobenzene	ND		ug/kg	270	--	1
1,4-Dichlorobenzene	ND		ug/kg	270	--	1
Methyl tert butyl ether	ND		ug/kg	270	--	1
p/m-Xylene	ND		ug/kg	270	--	1
o-Xylene	ND		ug/kg	140	--	1
Xylenes, Total	ND		ug/kg	140	--	1
cis-1,2-Dichloroethene	12000		ug/kg	140	--	1
1,2-Dichloroethene, Total	12000		ug/kg	140	--	1
Dibromomethane	ND		ug/kg	270	--	1
1,2,3-Trichloropropane	ND		ug/kg	270	--	1
Styrene	ND		ug/kg	140	--	1
Dichlorodifluoromethane	ND		ug/kg	1400	--	1
Acetone	ND		ug/kg	1400	--	1
Carbon disulfide	ND		ug/kg	1400	--	1
2-Butanone	ND		ug/kg	1400	--	1
4-Methyl-2-pentanone	ND		ug/kg	1400	--	1
2-Hexanone	ND		ug/kg	1400	--	1
Bromochloromethane	ND		ug/kg	270	--	1
Tetrahydrofuran	ND		ug/kg	540	--	1
2,2-Dichloropropane	ND		ug/kg	270	--	1
1,2-Dibromoethane	ND		ug/kg	140	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	68	--	1
Bromobenzene	ND		ug/kg	270	--	1
n-Butylbenzene	ND		ug/kg	140	--	1
sec-Butylbenzene	ND		ug/kg	140	--	1
tert-Butylbenzene	ND		ug/kg	270	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	270	--	1
o-Chlorotoluene	ND		ug/kg	270	--	1
p-Chlorotoluene	ND		ug/kg	270	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	410	--	1
Hexachlorobutadiene	ND		ug/kg	540	--	1
Isopropylbenzene	ND		ug/kg	140	--	1
p-Isopropyltoluene	ND		ug/kg	140	--	1
Naphthalene	ND		ug/kg	540	--	1
n-Propylbenzene	ND		ug/kg	140	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1932179

Project Number: 231841 **Report Date:** 08/01/19

SAMPLE RESULTS

Lab ID: L1932179-09 Date Collected: 07/19/19 09:00

Client ID: SB19-46 (15-17.5) Date Received: 07/19/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	270	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	270	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	270	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	270	--	1
Ethyl ether	ND		ug/kg	270	--	1
Isopropyl Ether	ND		ug/kg	270	--	1
Tert-Butyl Alcohol	ND		ug/kg	2700	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	270	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	270	--	1
1,4-Dioxane	ND		ug/kg	11000	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	96		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1932179

Project Number: 231841 **Report Date:** 08/01/19

SAMPLE RESULTS

Lab ID: L1932179-10 D
Client ID: SB19-47 (10-12.5)
Sample Location: SALEM, NH

Date Collected: 07/19/19 10:30
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/26/19 12:23
Analyst: JC
Percent Solids: 74%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	1400	--	2
1,1-Dichloroethane	ND		ug/kg	270	--	2
Chloroform	ND		ug/kg	410	--	2
Carbon tetrachloride	ND		ug/kg	270	--	2
1,2-Dichloropropane	ND		ug/kg	270	--	2
Dibromochloromethane	ND		ug/kg	270	--	2
1,1,2-Trichloroethane	ND		ug/kg	270	--	2
Tetrachloroethene	670		ug/kg	140	--	2
Chlorobenzene	ND		ug/kg	140	--	2
Trichlorofluoromethane	ND		ug/kg	1100	--	2
1,2-Dichloroethane	ND		ug/kg	270	--	2
1,1,1-Trichloroethane	6900		ug/kg	140	--	2
Bromodichloromethane	ND		ug/kg	140	--	2
trans-1,3-Dichloropropene	ND		ug/kg	270	--	2
cis-1,3-Dichloropropene	ND		ug/kg	140	--	2
1,3-Dichloropropene, Total	ND		ug/kg	140	--	2
1,1-Dichloropropene	ND		ug/kg	140	--	2
Bromoform	ND		ug/kg	1100	--	2
1,1,2,2-Tetrachloroethane	ND		ug/kg	140	--	2
Benzene	ND		ug/kg	140	--	2
Toluene	1500		ug/kg	270	--	2
Ethylbenzene	ND		ug/kg	270	--	2
Chloromethane	ND		ug/kg	1100	--	2
Bromomethane	ND		ug/kg	550	--	2
Vinyl chloride	ND		ug/kg	270	--	2
Chloroethane	ND		ug/kg	550	--	2
1,1-Dichloroethene	ND		ug/kg	270	--	2
trans-1,2-Dichloroethene	ND		ug/kg	410	--	2

Project Name: SALEM FORMER WWTF **Lab Number:** L1932179

Project Number: 231841 **Report Date:** 08/01/19

SAMPLE RESULTS

Lab ID: L1932179-10 D
Client ID: SB19-47 (10-12.5)
Sample Location: SALEM, NH

Date Collected: 07/19/19 10:30
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	76000		ug/kg	140	--	2
1,2-Dichlorobenzene	ND		ug/kg	550	--	2
1,3-Dichlorobenzene	ND		ug/kg	550	--	2
1,4-Dichlorobenzene	ND		ug/kg	550	--	2
Methyl tert butyl ether	ND		ug/kg	550	--	2
p/m-Xylene	750		ug/kg	550	--	2
o-Xylene	ND		ug/kg	270	--	2
Xylenes, Total	750		ug/kg	270	--	2
cis-1,2-Dichloroethene	19000		ug/kg	270	--	2
1,2-Dichloroethene, Total	19000		ug/kg	270	--	2
Dibromomethane	ND		ug/kg	550	--	2
1,2,3-Trichloropropane	ND		ug/kg	550	--	2
Styrene	ND		ug/kg	270	--	2
Dichlorodifluoromethane	ND		ug/kg	2700	--	2
Acetone	ND		ug/kg	2700	--	2
Carbon disulfide	ND		ug/kg	2700	--	2
2-Butanone	ND		ug/kg	2700	--	2
4-Methyl-2-pentanone	ND		ug/kg	2700	--	2
2-Hexanone	ND		ug/kg	2700	--	2
Bromochloromethane	ND		ug/kg	550	--	2
Tetrahydrofuran	ND		ug/kg	1100	--	2
2,2-Dichloropropane	ND		ug/kg	550	--	2
1,2-Dibromoethane	ND		ug/kg	270	--	2
1,1,1,2-Tetrachloroethane	ND		ug/kg	140	--	2
Bromobenzene	ND		ug/kg	550	--	2
n-Butylbenzene	ND		ug/kg	270	--	2
sec-Butylbenzene	ND		ug/kg	270	--	2
tert-Butylbenzene	ND		ug/kg	550	--	2
1,3,5-Trichlorobenzene	ND		ug/kg	550	--	2
o-Chlorotoluene	ND		ug/kg	550	--	2
p-Chlorotoluene	ND		ug/kg	550	--	2
1,2-Dibromo-3-chloropropane	ND		ug/kg	820	--	2
Hexachlorobutadiene	ND		ug/kg	1100	--	2
Isopropylbenzene	ND		ug/kg	270	--	2
p-Isopropyltoluene	ND		ug/kg	270	--	2
Naphthalene	ND		ug/kg	1100	--	2
n-Propylbenzene	ND		ug/kg	270	--	2

Project Name: SALEM FORMER WWTF **Lab Number:** L1932179

Project Number: 231841 **Report Date:** 08/01/19

SAMPLE RESULTS

Lab ID: L1932179-10 D Date Collected: 07/19/19 10:30

Client ID: SB19-47 (10-12.5) Date Received: 07/19/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	550	--	2
1,2,4-Trichlorobenzene	ND		ug/kg	550	--	2
1,3,5-Trimethylbenzene	ND		ug/kg	550	--	2
1,2,4-Trimethylbenzene	ND		ug/kg	550	--	2
Ethyl ether	ND		ug/kg	550	--	2
Isopropyl Ether	ND		ug/kg	550	--	2
Tert-Butyl Alcohol	ND		ug/kg	5500	--	2
Ethyl-Tert-Butyl-Ether	ND		ug/kg	550	--	2
Tertiary-Amyl Methyl Ether	ND		ug/kg	550	--	2
1,4-Dioxane	ND		ug/kg	22000	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	101		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1932179

Project Number: 231841 **Report Date:** 08/01/19

SAMPLE RESULTS

Lab ID: L1932179-11 D
Client ID: SB19-48 (15-17)
Sample Location: SALEM, NH

Date Collected: 07/19/19 12:00
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/26/19 05:52
Analyst: NLK
Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	3100	--	5
1,1-Dichloroethane	ND		ug/kg	610	--	5
Chloroform	ND		ug/kg	920	--	5
Carbon tetrachloride	ND		ug/kg	610	--	5
1,2-Dichloropropane	ND		ug/kg	610	--	5
Dibromochloromethane	ND		ug/kg	610	--	5
1,1,2-Trichloroethane	ND		ug/kg	610	--	5
Tetrachloroethene	320		ug/kg	310	--	5
Chlorobenzene	ND		ug/kg	310	--	5
Trichlorofluoromethane	ND		ug/kg	2400	--	5
1,2-Dichloroethane	ND		ug/kg	610	--	5
1,1,1-Trichloroethane	2300		ug/kg	310	--	5
Bromodichloromethane	ND		ug/kg	310	--	5
trans-1,3-Dichloropropene	ND		ug/kg	610	--	5
cis-1,3-Dichloropropene	ND		ug/kg	310	--	5
1,3-Dichloropropene, Total	ND		ug/kg	310	--	5
1,1-Dichloropropene	ND		ug/kg	310	--	5
Bromoform	ND		ug/kg	2400	--	5
1,1,2,2-Tetrachloroethane	ND		ug/kg	310	--	5
Benzene	ND		ug/kg	310	--	5
Toluene	1800		ug/kg	610	--	5
Ethylbenzene	ND		ug/kg	610	--	5
Chloromethane	ND		ug/kg	2400	--	5
Bromomethane	ND		ug/kg	1200	--	5
Vinyl chloride	ND		ug/kg	610	--	5
Chloroethane	ND		ug/kg	1200	--	5
1,1-Dichloroethene	ND		ug/kg	610	--	5
trans-1,2-Dichloroethene	ND		ug/kg	920	--	5

Project Name: SALEM FORMER WWTF **Lab Number:** L1932179

Project Number: 231841 **Report Date:** 08/01/19

SAMPLE RESULTS

Lab ID: L1932179-11 D Date Collected: 07/19/19 12:00
Client ID: SB19-48 (15-17) Date Received: 07/19/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	76000		ug/kg	310	--	5
1,2-Dichlorobenzene	ND		ug/kg	1200	--	5
1,3-Dichlorobenzene	ND		ug/kg	1200	--	5
1,4-Dichlorobenzene	ND		ug/kg	1200	--	5
Methyl tert butyl ether	ND		ug/kg	1200	--	5
p/m-Xylene	ND		ug/kg	1200	--	5
o-Xylene	ND		ug/kg	610	--	5
Xylenes, Total	ND		ug/kg	610	--	5
cis-1,2-Dichloroethene	8200		ug/kg	610	--	5
1,2-Dichloroethene, Total	8200		ug/kg	610	--	5
Dibromomethane	ND		ug/kg	1200	--	5
1,2,3-Trichloropropane	ND		ug/kg	1200	--	5
Styrene	ND		ug/kg	610	--	5
Dichlorodifluoromethane	ND		ug/kg	6100	--	5
Acetone	ND		ug/kg	6100	--	5
Carbon disulfide	ND		ug/kg	6100	--	5
2-Butanone	ND		ug/kg	6100	--	5
4-Methyl-2-pentanone	ND		ug/kg	6100	--	5
2-Hexanone	ND		ug/kg	6100	--	5
Bromochloromethane	ND		ug/kg	1200	--	5
Tetrahydrofuran	ND		ug/kg	2400	--	5
2,2-Dichloropropane	ND		ug/kg	1200	--	5
1,2-Dibromoethane	ND		ug/kg	610	--	5
1,1,1,2-Tetrachloroethane	ND		ug/kg	310	--	5
Bromobenzene	ND		ug/kg	1200	--	5
n-Butylbenzene	ND		ug/kg	610	--	5
sec-Butylbenzene	ND		ug/kg	610	--	5
tert-Butylbenzene	ND		ug/kg	1200	--	5
1,3,5-Trichlorobenzene	ND		ug/kg	1200	--	5
o-Chlorotoluene	ND		ug/kg	1200	--	5
p-Chlorotoluene	ND		ug/kg	1200	--	5
1,2-Dibromo-3-chloropropane	ND		ug/kg	1800	--	5
Hexachlorobutadiene	ND		ug/kg	2400	--	5
Isopropylbenzene	ND		ug/kg	610	--	5
p-Isopropyltoluene	ND		ug/kg	610	--	5
Naphthalene	ND		ug/kg	2400	--	5
n-Propylbenzene	ND		ug/kg	610	--	5

Project Name: SALEM FORMER WWTF **Lab Number:** L1932179

Project Number: 231841 **Report Date:** 08/01/19

SAMPLE RESULTS

Lab ID: L1932179-11 D Date Collected: 07/19/19 12:00

Client ID: SB19-48 (15-17) Date Received: 07/19/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1200	--	5
1,2,4-Trichlorobenzene	ND		ug/kg	1200	--	5
1,3,5-Trimethylbenzene	ND		ug/kg	1200	--	5
1,2,4-Trimethylbenzene	ND		ug/kg	1200	--	5
Ethyl ether	ND		ug/kg	1200	--	5
Isopropyl Ether	ND		ug/kg	1200	--	5
Tert-Butyl Alcohol	ND		ug/kg	12000	--	5
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1200	--	5
Tertiary-Amyl Methyl Ether	ND		ug/kg	1200	--	5
1,4-Dioxane	ND		ug/kg	49000	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	99		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1932179

Project Number: 231841 **Report Date:** 08/01/19

SAMPLE RESULTS

Lab ID: L1932179-12 Date Collected: 07/19/19 14:30
Client ID: SB19-49 (17.5-20) Date Received: 07/19/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/26/19 06:18
Analyst: NLK
Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	670	--	1
1,1-Dichloroethane	ND		ug/kg	130	--	1
Chloroform	ND		ug/kg	200	--	1
Carbon tetrachloride	ND		ug/kg	130	--	1
1,2-Dichloropropane	ND		ug/kg	130	--	1
Dibromochloromethane	ND		ug/kg	130	--	1
1,1,2-Trichloroethane	ND		ug/kg	130	--	1
Tetrachloroethene	ND		ug/kg	67	--	1
Chlorobenzene	ND		ug/kg	67	--	1
Trichlorofluoromethane	ND		ug/kg	540	--	1
1,2-Dichloroethane	ND		ug/kg	130	--	1
1,1,1-Trichloroethane	92		ug/kg	67	--	1
Bromodichloromethane	ND		ug/kg	67	--	1
trans-1,3-Dichloropropene	ND		ug/kg	130	--	1
cis-1,3-Dichloropropene	ND		ug/kg	67	--	1
1,3-Dichloropropene, Total	ND		ug/kg	67	--	1
1,1-Dichloropropene	ND		ug/kg	67	--	1
Bromoform	ND		ug/kg	540	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	67	--	1
Benzene	ND		ug/kg	67	--	1
Toluene	ND		ug/kg	130	--	1
Ethylbenzene	ND		ug/kg	130	--	1
Chloromethane	ND		ug/kg	540	--	1
Bromomethane	ND		ug/kg	270	--	1
Vinyl chloride	ND		ug/kg	130	--	1
Chloroethane	ND		ug/kg	270	--	1
1,1-Dichloroethene	ND		ug/kg	130	--	1
trans-1,2-Dichloroethene	ND		ug/kg	200	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1932179

Project Number: 231841 **Report Date:** 08/01/19

SAMPLE RESULTS

Lab ID: L1932179-12 Date Collected: 07/19/19 14:30

Client ID: SB19-49 (17.5-20) Date Received: 07/19/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	67	--	1
1,2-Dichlorobenzene	ND		ug/kg	270	--	1
1,3-Dichlorobenzene	ND		ug/kg	270	--	1
1,4-Dichlorobenzene	ND		ug/kg	270	--	1
Methyl tert butyl ether	ND		ug/kg	270	--	1
p/m-Xylene	ND		ug/kg	270	--	1
o-Xylene	ND		ug/kg	130	--	1
Xylenes, Total	ND		ug/kg	130	--	1
cis-1,2-Dichloroethene	2900		ug/kg	130	--	1
1,2-Dichloroethene, Total	2900		ug/kg	130	--	1
Dibromomethane	ND		ug/kg	270	--	1
1,2,3-Trichloropropane	ND		ug/kg	270	--	1
Styrene	ND		ug/kg	130	--	1
Dichlorodifluoromethane	ND		ug/kg	1300	--	1
Acetone	ND		ug/kg	1300	--	1
Carbon disulfide	ND		ug/kg	1300	--	1
2-Butanone	ND		ug/kg	1300	--	1
4-Methyl-2-pentanone	ND		ug/kg	1300	--	1
2-Hexanone	ND		ug/kg	1300	--	1
Bromochloromethane	ND		ug/kg	270	--	1
Tetrahydrofuran	ND		ug/kg	540	--	1
2,2-Dichloropropane	ND		ug/kg	270	--	1
1,2-Dibromoethane	ND		ug/kg	130	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	67	--	1
Bromobenzene	ND		ug/kg	270	--	1
n-Butylbenzene	ND		ug/kg	130	--	1
sec-Butylbenzene	ND		ug/kg	130	--	1
tert-Butylbenzene	ND		ug/kg	270	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	270	--	1
o-Chlorotoluene	ND		ug/kg	270	--	1
p-Chlorotoluene	ND		ug/kg	270	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	400	--	1
Hexachlorobutadiene	ND		ug/kg	540	--	1
Isopropylbenzene	ND		ug/kg	130	--	1
p-Isopropyltoluene	ND		ug/kg	130	--	1
Naphthalene	ND		ug/kg	540	--	1
n-Propylbenzene	ND		ug/kg	130	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1932179

Project Number: 231841 **Report Date:** 08/01/19

SAMPLE RESULTS

Lab ID: L1932179-12 Date Collected: 07/19/19 14:30

Client ID: SB19-49 (17.5-20) Date Received: 07/19/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	270	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	270	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	270	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	270	--	1
Ethyl ether	ND		ug/kg	270	--	1
Isopropyl Ether	ND		ug/kg	270	--	1
Tert-Butyl Alcohol	ND		ug/kg	2700	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	270	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	270	--	1
1,4-Dioxane	ND		ug/kg	11000	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	98		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1932179

Project Number: 231841 **Report Date:** 08/01/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/25/19 09:07
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03,05,07 Batch: WG1264411-5					
Methylene chloride	ND		ug/kg	5.0	--
1,1-Dichloroethane	ND		ug/kg	1.0	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	1.0	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.0	--
Tetrachloroethene	ND		ug/kg	0.50	--
Chlorobenzene	ND		ug/kg	0.50	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	0.50	--
Bromodichloromethane	ND		ug/kg	0.50	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--
1,1-Dichloropropene	ND		ug/kg	0.50	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--
Benzene	ND		ug/kg	0.50	--
Toluene	ND		ug/kg	1.0	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	1.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	0.50	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1932179

Project Number: 231841 **Report Date:** 08/01/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/25/19 09:07
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03,05,07 Batch: WG1264411-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	--
1,3-Dichlorobenzene	ND		ug/kg	2.0	--
1,4-Dichlorobenzene	ND		ug/kg	2.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	1.0	--
Xylenes, Total	ND		ug/kg	1.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	2.0	--
1,2,3-Trichloropropane	ND		ug/kg	2.0	--
Styrene	ND		ug/kg	1.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	10	--
Carbon disulfide	ND		ug/kg	10	--
2-Butanone	ND		ug/kg	10	--
4-Methyl-2-pentanone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Bromochloromethane	ND		ug/kg	2.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	2.0	--
1,2-Dibromoethane	ND		ug/kg	1.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--
Bromobenzene	ND		ug/kg	2.0	--
n-Butylbenzene	ND		ug/kg	1.0	--
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	2.0	--
1,3,5-Trichlorobenzene	ND		ug/kg	2.0	--
o-Chlorotoluene	ND		ug/kg	2.0	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1932179

Project Number: 231841 **Report Date:** 08/01/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/25/19 09:07
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03,05,07 Batch: WG1264411-5					
p-Chlorotoluene	ND		ug/kg	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--
Ethyl ether	ND		ug/kg	2.0	--
Isopropyl Ether	ND		ug/kg	2.0	--
Tert-Butyl Alcohol	ND		ug/kg	20	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--
1,4-Dioxane	ND		ug/kg	80	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	97		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1932179

Project Number: 231841 **Report Date:** 08/01/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/25/19 21:33
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 09,11-12 Batch: WG1264950-5					
Methylene chloride	ND		ug/kg	250	--
1,1-Dichloroethane	ND		ug/kg	50	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	50	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	50	--
Tetrachloroethene	ND		ug/kg	25	--
Chlorobenzene	ND		ug/kg	25	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	25	--
Bromodichloromethane	ND		ug/kg	25	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	25	--
1,3-Dichloropropene, Total	ND		ug/kg	25	--
1,1-Dichloropropene	ND		ug/kg	25	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	--
Benzene	ND		ug/kg	25	--
Toluene	ND		ug/kg	50	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	50	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	25	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1932179

Project Number: 231841 **Report Date:** 08/01/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/25/19 21:33
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 09,11-12 Batch: WG1264950-5					
1,2-Dichlorobenzene	ND		ug/kg	100	--
1,3-Dichlorobenzene	ND		ug/kg	100	--
1,4-Dichlorobenzene	ND		ug/kg	100	--
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	50	--
Xylenes, Total	ND		ug/kg	50	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
1,2-Dichloroethene, Total	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	100	--
1,2,3-Trichloropropane	ND		ug/kg	100	--
Styrene	ND		ug/kg	50	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	500	--
Carbon disulfide	ND		ug/kg	500	--
2-Butanone	ND		ug/kg	500	--
4-Methyl-2-pentanone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	100	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	100	--
1,2-Dibromoethane	ND		ug/kg	50	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	--
Bromobenzene	ND		ug/kg	100	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	100	--
1,3,5-Trichlorobenzene	ND		ug/kg	100	--
o-Chlorotoluene	ND		ug/kg	100	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1932179

Project Number: 231841 **Report Date:** 08/01/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/25/19 21:33
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 09,11-12 Batch: WG1264950-5					
p-Chlorotoluene	ND		ug/kg	100	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--
1,2,3-Trichlorobenzene	ND		ug/kg	100	--
1,2,4-Trichlorobenzene	ND		ug/kg	100	--
1,3,5-Trimethylbenzene	ND		ug/kg	100	--
1,2,4-Trimethylbenzene	ND		ug/kg	100	--
Ethyl ether	ND		ug/kg	100	--
Isopropyl Ether	ND		ug/kg	100	--
Tert-Butyl Alcohol	ND		ug/kg	1000	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	100	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	100	--
1,4-Dioxane	ND		ug/kg	4000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	98		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1932179

Project Number: 231841 **Report Date:** 08/01/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/26/19 09:46
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04,06,10 Batch: WG1265002-5					
Methylene chloride	ND		ug/kg	250	--
1,1-Dichloroethane	ND		ug/kg	50	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	50	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	50	--
Tetrachloroethene	ND		ug/kg	25	--
Chlorobenzene	ND		ug/kg	25	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	25	--
Bromodichloromethane	ND		ug/kg	25	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	25	--
1,3-Dichloropropene, Total	ND		ug/kg	25	--
1,1-Dichloropropene	ND		ug/kg	25	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	--
Benzene	ND		ug/kg	25	--
Toluene	ND		ug/kg	50	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	50	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	25	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1932179

Project Number: 231841 **Report Date:** 08/01/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/26/19 09:46
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04,06,10 Batch: WG1265002-5					
1,2-Dichlorobenzene	ND		ug/kg	100	--
1,3-Dichlorobenzene	ND		ug/kg	100	--
1,4-Dichlorobenzene	ND		ug/kg	100	--
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	50	--
Xylenes, Total	ND		ug/kg	50	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
1,2-Dichloroethene, Total	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	100	--
1,2,3-Trichloropropane	ND		ug/kg	100	--
Styrene	ND		ug/kg	50	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	500	--
Carbon disulfide	ND		ug/kg	500	--
2-Butanone	ND		ug/kg	500	--
4-Methyl-2-pentanone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	100	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	100	--
1,2-Dibromoethane	ND		ug/kg	50	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	--
Bromobenzene	ND		ug/kg	100	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	100	--
1,3,5-Trichlorobenzene	ND		ug/kg	100	--
o-Chlorotoluene	ND		ug/kg	100	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1932179

Project Number: 231841 **Report Date:** 08/01/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/26/19 09:46
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04,06,10 Batch: WG1265002-5					
p-Chlorotoluene	ND		ug/kg	100	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--
1,2,3-Trichlorobenzene	ND		ug/kg	100	--
1,2,4-Trichlorobenzene	ND		ug/kg	100	--
1,3,5-Trimethylbenzene	ND		ug/kg	100	--
1,2,4-Trimethylbenzene	ND		ug/kg	100	--
Ethyl ether	ND		ug/kg	100	--
Isopropyl Ether	ND		ug/kg	100	--
Tert-Butyl Alcohol	ND		ug/kg	1000	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	100	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	100	--
1,4-Dioxane	ND		ug/kg	4000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	102		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1932179

Project Number: 231841 **Report Date:** 08/01/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/29/19 08:40
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG1266355-5					
Methylene chloride	ND		ug/l	3.0	--
1,1-Dichloroethane	ND		ug/l	0.75	--
Chloroform	ND		ug/l	0.75	--
Carbon tetrachloride	ND		ug/l	0.50	--
1,2-Dichloropropane	ND		ug/l	1.8	--
Dibromochloromethane	ND		ug/l	0.50	--
1,1,2-Trichloroethane	ND		ug/l	0.75	--
Tetrachloroethene	ND		ug/l	0.50	--
Chlorobenzene	ND		ug/l	0.50	--
Trichlorofluoromethane	ND		ug/l	2.5	--
1,2-Dichloroethane	ND		ug/l	0.50	--
1,1,1-Trichloroethane	ND		ug/l	0.50	--
Bromodichloromethane	ND		ug/l	0.50	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,3-Dichloropropene, Total	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.5	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	0.75	--
Ethylbenzene	ND		ug/l	0.50	--
Chloromethane	ND		ug/l	2.5	--
Bromomethane	ND		ug/l	1.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	1.0	--
1,1-Dichloroethene	ND		ug/l	0.50	--
trans-1,2-Dichloroethene	ND		ug/l	0.75	--
1,2-Dichloroethene, Total	ND		ug/l	0.50	--

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1932179
Report Date: 08/01/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/29/19 08:40
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG1266355-5					
Trichloroethene	ND		ug/l	0.50	--
1,2-Dichlorobenzene	ND		ug/l	2.5	--
1,3-Dichlorobenzene	ND		ug/l	2.5	--
1,4-Dichlorobenzene	ND		ug/l	2.5	--
Methyl tert butyl ether	ND		ug/l	1.0	--
p/m-Xylene	ND		ug/l	1.0	--
o-Xylene	ND		ug/l	1.0	--
Xylenes, Total	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	0.50	--
Dibromomethane	ND		ug/l	5.0	--
1,2,3-Trichloropropane	ND		ug/l	5.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	5.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	5.0	--
2-Butanone	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.5	--
Tetrahydrofuran	ND		ug/l	5.0	--
2,2-Dichloropropane	ND		ug/l	2.5	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--
Bromobenzene	ND		ug/l	2.5	--
n-Butylbenzene	ND		ug/l	0.50	--
sec-Butylbenzene	ND		ug/l	0.50	--
tert-Butylbenzene	ND		ug/l	2.5	--
o-Chlorotoluene	ND		ug/l	2.5	--
p-Chlorotoluene	ND		ug/l	2.5	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1932179

Project Number: 231841 **Report Date:** 08/01/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/29/19 08:40
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG1266355-5					
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--
Hexachlorobutadiene	ND		ug/l	0.50	--
Isopropylbenzene	ND		ug/l	0.50	--
p-Isopropyltoluene	ND		ug/l	0.50	--
Naphthalene	ND		ug/l	2.5	--
n-Propylbenzene	ND		ug/l	0.50	--
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--
1,3,5-Trichlorobenzene	ND		ug/l	2.0	--
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--
Ethyl ether	ND		ug/l	2.5	--
Isopropyl Ether	ND		ug/l	2.0	--
Tert-Butyl Alcohol	ND		ug/l	10	--
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--
1,4-Dioxane	ND		ug/l	250	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1932179
Report Date: 08/01/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03,05,07 Batch: WG1264411-3 WG1264411-4								
Methylene chloride	87		85		70-130	2		30
1,1-Dichloroethane	102		98		70-130	4		30
Chloroform	93		89		70-130	4		30
Carbon tetrachloride	83		82		70-130	1		30
1,2-Dichloropropane	102		101		70-130	1		30
Dibromochloromethane	98		94		70-130	4		30
1,1,2-Trichloroethane	102		101		70-130	1		30
Tetrachloroethene	98		93		70-130	5		30
Chlorobenzene	99		96		70-130	3		30
Trichlorofluoromethane	70		**67**	Q	70-139	4		30
1,2-Dichloroethane	100		98		70-130	2		30
1,1,1-Trichloroethane	87		86		70-130	1		30
Bromodichloromethane	87		86		70-130	1		30
trans-1,3-Dichloropropene	96		93		70-130	3		30
cis-1,3-Dichloropropene	88		86		70-130	2		30
1,1-Dichloropropene	89		87		70-130	2		30
Bromoform	95		92		70-130	3		30
1,1,2,2-Tetrachloroethane	102		103		70-130	1		30
Benzene	90		88		70-130	2		30
Toluene	99		95		70-130	4		30
Ethylbenzene	100		96		70-130	4		30
Chloromethane	**137**	Q	**132**	Q	52-130	4		30
Bromomethane	117		113		57-147	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 231841

Lab Number: L1932179
Report Date: 08/01/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03,05,07 Batch: WG1264411-3 WG1264411-4								
Vinyl chloride	95		92		67-130	3		30
Chloroethane	69		65		50-151	6		30
1,1-Dichloroethene	86		85		65-135	1		30
trans-1,2-Dichloroethene	89		86		70-130	3		30
Trichloroethene	83		82		70-130	1		30
1,2-Dichlorobenzene	102		100		70-130	2		30
1,3-Dichlorobenzene	101		99		70-130	2		30
1,4-Dichlorobenzene	99		97		70-130	2		30
Methyl tert butyl ether	81		80		66-130	1		30
p/m-Xylene	97		94		70-130	3		30
o-Xylene	93		89		70-130	4		30
cis-1,2-Dichloroethene	90		88		70-130	2		30
Dibromomethane	92		90		70-130	2		30
1,2,3-Trichloropropane	99		100		68-130	1		30
Styrene	92		89		70-130	3		30
Dichlorodifluoromethane	80		75		30-146	6		30
Acetone	124		124		54-140	0		30
Carbon disulfide	80		78		59-130	3		30
2-Butanone	114		112		70-130	2		30
4-Methyl-2-pentanone	107		108		70-130	1		30
2-Hexanone	119		125		70-130	5		30
Bromochloromethane	96		92		70-130	4		30
Tetrahydrofuran	119		122		66-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 231841

Lab Number: L1932179
Report Date: 08/01/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03,05,07 Batch: WG1264411-3 WG1264411-4								
2,2-Dichloropropane	82		80		70-130	2		30
1,2-Dibromoethane	103		102		70-130	1		30
1,1,1,2-Tetrachloroethane	97		93		70-130	4		30
Bromobenzene	102		101		70-130	1		30
n-Butylbenzene	99		97		70-130	2		30
sec-Butylbenzene	100		99		70-130	1		30
tert-Butylbenzene	100		98		70-130	2		30
1,3,5-Trichlorobenzene	99		96		70-139	3		30
o-Chlorotoluene	100		100		70-130	0		30
p-Chlorotoluene	101		97		70-130	4		30
1,2-Dibromo-3-chloropropane	94		96		68-130	2		30
Hexachlorobutadiene	105		103		67-130	2		30
Isopropylbenzene	101		98		70-130	3		30
p-Isopropyltoluene	99		97		70-130	2		30
Naphthalene	101		102		70-130	1		30
n-Propylbenzene	99		97		70-130	2		30
1,2,3-Trichlorobenzene	104		102		70-130	2		30
1,2,4-Trichlorobenzene	102		100		70-130	2		30
1,3,5-Trimethylbenzene	99		97		70-130	2		30
1,2,4-Trimethylbenzene	99		97		70-130	2		30
Ethyl ether	81		80		67-130	1		30
Isopropyl Ether	124		123		66-130	1		30
Tert-Butyl Alcohol	92		96		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 231841

Lab Number: L1932179
Report Date: 08/01/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03,05,07 Batch: WG1264411-3 WG1264411-4								
Ethyl-Tert-Butyl-Ether	102		100		70-130	2		30
Tertiary-Amyl Methyl Ether	84		82		70-130	2		30
1,4-Dioxane	86		90		65-136	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		107		70-130
Toluene-d8	110		107		70-130
4-Bromofluorobenzene	97		98		70-130
Dibromofluoromethane	99		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 231841

Lab Number: L1932179
Report Date: 08/01/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 09,11-12 Batch: WG1264950-3 WG1264950-4								
Methylene chloride	97		96		70-130	1		30
1,1-Dichloroethane	109		109		70-130	0		30
Chloroform	109		108		70-130	1		30
Carbon tetrachloride	**136**	Q	**132**	Q	70-130	3		30
1,2-Dichloropropane	107		105		70-130	2		30
Dibromochloromethane	104		105		70-130	1		30
1,1,2-Trichloroethane	95		94		70-130	1		30
Tetrachloroethene	125		122		70-130	2		30
Chlorobenzene	106		105		70-130	1		30
Trichlorofluoromethane	130		125		70-139	4		30
1,2-Dichloroethane	103		103		70-130	0		30
1,1,1-Trichloroethane	124		121		70-130	2		30
Bromodichloromethane	107		106		70-130	1		30
trans-1,3-Dichloropropene	98		99		70-130	1		30
cis-1,3-Dichloropropene	112		111		70-130	1		30
1,1-Dichloropropene	124		120		70-130	3		30
Bromoform	101		103		70-130	2		30
1,1,2,2-Tetrachloroethane	87		87		70-130	0		30
Benzene	111		109		70-130	2		30
Toluene	105		105		70-130	0		30
Ethylbenzene	108		107		70-130	1		30
Chloromethane	105		102		52-130	3		30
Bromomethane	88		83		57-147	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 231841

Lab Number: L1932179
Report Date: 08/01/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 09,11-12 Batch: WG1264950-3 WG1264950-4								
Vinyl chloride	97		94		67-130	3		30
Chloroethane	84		84		50-151	0		30
1,1-Dichloroethene	126		120		65-135	5		30
trans-1,2-Dichloroethene	121		118		70-130	3		30
Trichloroethene	117		115		70-130	2		30
1,2-Dichlorobenzene	104		105		70-130	1		30
1,3-Dichlorobenzene	107		107		70-130	0		30
1,4-Dichlorobenzene	104		105		70-130	1		30
Methyl tert butyl ether	100		100		66-130	0		30
p/m-Xylene	114		113		70-130	1		30
o-Xylene	108		108		70-130	0		30
cis-1,2-Dichloroethene	116		114		70-130	2		30
Dibromomethane	107		106		70-130	1		30
1,2,3-Trichloropropane	88		90		68-130	2		30
Styrene	110		109		70-130	1		30
Dichlorodifluoromethane	100		97		30-146	3		30
Acetone	88		88		54-140	0		30
Carbon disulfide	100		97		59-130	3		30
2-Butanone	98		93		70-130	5		30
4-Methyl-2-pentanone	94		91		70-130	3		30
2-Hexanone	89		87		70-130	2		30
Bromochloromethane	118		118		70-130	0		30
Tetrahydrofuran	103		103		66-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 231841

Lab Number: L1932179
Report Date: 08/01/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 09,11-12 Batch: WG1264950-3 WG1264950-4								
2,2-Dichloropropane	122		117		70-130	4		30
1,2-Dibromoethane	101		102		70-130	1		30
1,1,1,2-Tetrachloroethane	109		108		70-130	1		30
Bromobenzene	102		104		70-130	2		30
n-Butylbenzene	109		108		70-130	1		30
sec-Butylbenzene	111		111		70-130	0		30
tert-Butylbenzene	113		114		70-130	1		30
1,3,5-Trichlorobenzene	112		112		70-139	0		30
o-Chlorotoluene	98		99		70-130	1		30
p-Chlorotoluene	99		101		70-130	2		30
1,2-Dibromo-3-chloropropane	106		105		68-130	1		30
Hexachlorobutadiene	**132**	Q	128		67-130	3		30
Isopropylbenzene	108		108		70-130	0		30
p-Isopropyltoluene	118		118		70-130	0		30
Naphthalene	111		111		70-130	0		30
n-Propylbenzene	103		103		70-130	0		30
1,2,3-Trichlorobenzene	113		114		70-130	1		30
1,2,4-Trichlorobenzene	114		115		70-130	1		30
1,3,5-Trimethylbenzene	108		108		70-130	0		30
1,2,4-Trimethylbenzene	108		108		70-130	0		30
Ethyl ether	96		96		67-130	0		30
Isopropyl Ether	107		106		66-130	1		30
Tert-Butyl Alcohol	110		107		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1932179
Report Date: 08/01/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 09,11-12 Batch: WG1264950-3 WG1264950-4								
Ethyl-Tert-Butyl-Ether	110		109		70-130	1		30
Tertiary-Amyl Methyl Ether	110		109		70-130	1		30
1,4-Dioxane	105		110		65-136	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		91		70-130
Toluene-d8	92		92		70-130
4-Bromofluorobenzene	90		92		70-130
Dibromofluoromethane	100		99		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 231841

Lab Number: L1932179

Report Date: 08/01/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04,06,10 Batch: WG1265002-3 WG1265002-4								
Methylene chloride	98		96		70-130	2		30
1,1-Dichloroethane	102		102		70-130	0		30
Chloroform	108		108		70-130	0		30
Carbon tetrachloride	122		126		70-130	3		30
1,2-Dichloropropane	101		100		70-130	1		30
Dibromochloromethane	107		106		70-130	1		30
1,1,2-Trichloroethane	91		92		70-130	1		30
Tetrachloroethene	112		113		70-130	1		30
Chlorobenzene	101		102		70-130	1		30
Trichlorofluoromethane	116		120		70-139	3		30
1,2-Dichloroethane	106		106		70-130	0		30
1,1,1-Trichloroethane	114		116		70-130	2		30
Bromodichloromethane	107		108		70-130	1		30
trans-1,3-Dichloropropene	95		95		70-130	0		30
cis-1,3-Dichloropropene	107		108		70-130	1		30
1,1-Dichloropropene	106		108		70-130	2		30
Bromoform	103		103		70-130	0		30
1,1,2,2-Tetrachloroethane	83		82		70-130	1		30
Benzene	103		102		70-130	1		30
Toluene	98		98		70-130	0		30
Ethylbenzene	99		99		70-130	0		30
Chloromethane	96		95		52-130	1		30
Bromomethane	86		88		57-147	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 231841

Lab Number: L1932179
Report Date: 08/01/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04,06,10 Batch: WG1265002-3 WG1265002-4								
Vinyl chloride	84		85		67-130	1		30
Chloroethane	79		78		50-151	1		30
1,1-Dichloroethene	108		110		65-135	2		30
trans-1,2-Dichloroethene	111		112		70-130	1		30
Trichloroethene	108		110		70-130	2		30
1,2-Dichlorobenzene	102		100		70-130	2		30
1,3-Dichlorobenzene	102		102		70-130	0		30
1,4-Dichlorobenzene	100		98		70-130	2		30
Methyl tert butyl ether	102		100		66-130	2		30
p/m-Xylene	106		105		70-130	1		30
o-Xylene	103		102		70-130	1		30
cis-1,2-Dichloroethene	112		111		70-130	1		30
Dibromomethane	110		108		70-130	2		30
1,2,3-Trichloropropane	84		83		68-130	1		30
Styrene	106		105		70-130	1		30
Dichlorodifluoromethane	86		87		30-146	1		30
Acetone	86		83		54-140	4		30
Carbon disulfide	87		87		59-130	0		30
2-Butanone	99		90		70-130	10		30
4-Methyl-2-pentanone	87		87		70-130	0		30
2-Hexanone	84		82		70-130	2		30
Bromochloromethane	121		122		70-130	1		30
Tetrahydrofuran	97		98		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 231841

Lab Number: L1932179
Report Date: 08/01/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04,06,10 Batch: WG1265002-3 WG1265002-4								
2,2-Dichloropropane	110		110		70-130	0		30
1,2-Dibromoethane	101		101		70-130	0		30
1,1,1,2-Tetrachloroethane	109		110		70-130	1		30
Bromobenzene	100		100		70-130	0		30
n-Butylbenzene	93		93		70-130	0		30
sec-Butylbenzene	97		97		70-130	0		30
tert-Butylbenzene	101		102		70-130	1		30
1,3,5-Trichlorobenzene	102		100		70-139	2		30
o-Chlorotoluene	90		91		70-130	1		30
p-Chlorotoluene	92		91		70-130	1		30
1,2-Dibromo-3-chloropropane	104		106		68-130	2		30
Hexachlorobutadiene	115		115		67-130	0		30
Isopropylbenzene	96		97		70-130	1		30
p-Isopropyltoluene	104		105		70-130	1		30
Naphthalene	109		106		70-130	3		30
n-Propylbenzene	90		90		70-130	0		30
1,2,3-Trichlorobenzene	112		108		70-130	4		30
1,2,4-Trichlorobenzene	108		103		70-130	5		30
1,3,5-Trimethylbenzene	98		98		70-130	0		30
1,2,4-Trimethylbenzene	100		99		70-130	1		30
Ethyl ether	96		93		67-130	3		30
Isopropyl Ether	101		100		66-130	1		30
Tert-Butyl Alcohol	107		106		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 231841

Lab Number: L1932179
Report Date: 08/01/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04,06,10 Batch: WG1265002-3 WG1265002-4								
Ethyl-Tert-Butyl-Ether	108		106		70-130	2		30
Tertiary-Amyl Methyl Ether	107		106		70-130	1		30
1,4-Dioxane	103		108		65-136	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		94		70-130
Toluene-d8	90		90		70-130
4-Bromofluorobenzene	88		87		70-130
Dibromofluoromethane	102		102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 231841

Lab Number: L1932179
Report Date: 08/01/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1266355-3 WG1266355-4								
Methylene chloride	110		110		70-130	0		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	110		110		63-132	0		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	110		110		70-130	0		20
Tetrachloroethene	97		100		70-130	3		20
Chlorobenzene	100		100		75-130	0		25
Trichlorofluoromethane	100		100		62-150	0		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	110		110		67-130	0		20
Bromodichloromethane	110		110		67-130	0		20
trans-1,3-Dichloropropene	110		110		70-130	0		20
cis-1,3-Dichloropropene	90		93		70-130	3		20
1,1-Dichloropropene	100		100		70-130	0		20
Bromoform	99		100		54-136	1		20
1,1,2,2-Tetrachloroethane	110		110		67-130	0		20
Benzene	110		110		70-130	0		25
Toluene	100		100		70-130	0		25
Ethylbenzene	100		100		70-130	0		20
Chloromethane	80		81		64-130	1		20
Bromomethane	67		60		39-139	11		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 231841

Lab Number: L1932179
Report Date: 08/01/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1266355-3 WG1266355-4								
Vinyl chloride	89		89		55-140	0		20
Chloroethane	97		96		55-138	1		20
1,1-Dichloroethene	100		110		61-145	10		25
trans-1,2-Dichloroethene	110		110		70-130	0		20
Trichloroethene	110		110		70-130	0		25
1,2-Dichlorobenzene	100		99		70-130	1		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	99		99		70-130	0		20
Methyl tert butyl ether	120		120		63-130	0		20
p/m-Xylene	100		105		70-130	5		20
o-Xylene	105		105		70-130	0		20
cis-1,2-Dichloroethene	110		110		70-130	0		20
Dibromomethane	110		100		70-130	10		20
1,2,3-Trichloropropane	100		100		64-130	0		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	86		88		36-147	2		20
Acetone	120		110		58-148	9		20
Carbon disulfide	100		110		51-130	10		20
2-Butanone	100		110		63-138	10		20
4-Methyl-2-pentanone	110		100		59-130	10		20
2-Hexanone	100		89		57-130	12		20
Bromochloromethane	110		110		70-130	0		20
Tetrahydrofuran	92		87		58-130	6		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 231841

Lab Number: L1932179
Report Date: 08/01/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1266355-3 WG1266355-4								
2,2-Dichloropropane	120		120		63-133	0		20
1,2-Dibromoethane	110		100		70-130	10		20
1,1,1,2-Tetrachloroethane	100		100		64-130	0		20
Bromobenzene	97		99		70-130	2		20
n-Butylbenzene	100		99		53-136	1		20
sec-Butylbenzene	**66**	Q	**69**	Q	70-130	4		20
tert-Butylbenzene	99		99		70-130	0		20
o-Chlorotoluene	100		100		70-130	0		20
p-Chlorotoluene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	99		100		41-144	1		20
Hexachlorobutadiene	91		91		63-130	0		20
Isopropylbenzene	99		100		70-130	1		20
p-Isopropyltoluene	100		100		70-130	0		20
Naphthalene	100		99		70-130	1		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	98		97		70-130	1		20
1,2,4-Trichlorobenzene	95		96		70-130	1		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,3,5-Trichlorobenzene	100		98		70-130	2		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
Ethyl ether	110		120		59-134	9		20
Isopropyl Ether	97		97		70-130	0		20
Tert-Butyl Alcohol	**142**	Q	**132**	Q	70-130	7		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1932179
Report Date: 08/01/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1266355-3 WG1266355-4								
Ethyl-Tert-Butyl-Ether	110		100		70-130	10		20
Tertiary-Amyl Methyl Ether	110		110		66-130	0		20
1,4-Dioxane	**200**	Q	154		56-162	**26**	Q	20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		102		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	98		97		70-130
Dibromofluoromethane	102		98		70-130

INORGANICS
&
MISCELLANEOUS

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1932179
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932179-01
Client ID: SB19-42 (12.5-15)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil
Date Collected: 07/18/19 09:20
Date Received: 07/19/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	73.1		%	0.100	NA	1	-	07/20/19 04:48	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1932179
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932179-02
Client ID: SB19-43 (0-2.5)
Sample Location: SALEM, NH

Date Collected: 07/18/19 11:15
Date Received: 07/19/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.8		%	0.100	NA	1	-	07/20/19 04:48	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1932179
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932179-03
Client ID: SB19-43 (32.5-35)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/18/19 11:30
Date Received: 07/19/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.0		%	0.100	NA	1	-	07/20/19 04:48	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1932179
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932179-04
Client ID: SB19-44 (10-12)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/18/19 14:00
Date Received: 07/19/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	73.8		%	0.100	NA	1	-	07/20/19 04:48	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1932179
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932179-05
Client ID: SB19-44 (17.5-20)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/18/19 14:10
Date Received: 07/19/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.7		%	0.100	NA	1	-	07/20/19 04:48	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1932179
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932179-06
Client ID: SB19-45 (2.5-4)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/18/19 16:05
Date Received: 07/19/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	33.2		%	0.100	NA	1	-	07/20/19 04:48	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1932179
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932179-07
Client ID: SB19-45 (22.5-25)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/18/19 16:10
Date Received: 07/19/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.1		%	0.100	NA	1	-	07/20/19 04:48	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1932179
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932179-09
Client ID: SB19-46 (15-17.5)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/19/19 09:00
Date Received: 07/19/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.8		%	0.100	NA	1	-	07/20/19 04:48	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1932179
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932179-10
Client ID: SB19-47 (10-12.5)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/19/19 10:30
Date Received: 07/19/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	74.4		%	0.100	NA	1	-	07/20/19 04:48	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1932179
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932179-11
Client ID: SB19-48 (15-17)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/19/19 12:00
Date Received: 07/19/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon	0.016		%	0.010	--	1	-	07/29/19 13:37	1,9060A	SP
Grain Size Analysis - Mansfield Lab										
Cobbles	ND		%	0.100	NA	1	-	07/27/19 13:05	12,D6913/D7928	SM
% Coarse Gravel	ND		%	0.100	NA	1	-	07/27/19 13:05	12,D6913/D7928	SM
% Fine Gravel	ND		%	0.100	NA	1	-	07/27/19 13:05	12,D6913/D7928	SM
% Total Gravel	ND		%	0.100	NA	1	-	07/27/19 13:05	12,D6913/D7928	SM
% Coarse Sand	ND		%	0.100	NA	1	-	07/27/19 13:05	12,D6913/D7928	SM
% Medium Sand	0.300		%	0.100	NA	1	-	07/27/19 13:05	12,D6913/D7928	SM
% Fine Sand	89.9		%	0.100	NA	1	-	07/27/19 13:05	12,D6913/D7928	SM
% Total Sand	90.2		%	0.100	NA	1	-	07/27/19 13:05	12,D6913/D7928	SM
% Total Fines	9.80		%	0.100	NA	1	-	07/27/19 13:05	12,D6913/D7928	SM
General Chemistry - Westborough Lab										
Solids, Total	76.1		%	0.100	NA	1	-	07/20/19 04:48	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1932179
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932179-12
Client ID: SB19-49 (17.5-20)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/19/19 14:30
Date Received: 07/19/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.9		%	0.100	NA	1	-	07/20/19 04:48	121,2540G	YA

Project Name: SALEM FORMER WWTF **Lab Number:** L1932179

Project Number: 231841 **Report Date:** 08/01/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab for sample(s): 11 Batch: WG1261537-1										
Total Organic Carbon	ND		%	0.010	--	1	-	07/29/19 13:37	1,9060A	SP

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 231841

Lab Number: L1932179

Report Date: 08/01/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Organic Carbon - Mansfield Lab Associated sample(s): 11 Batch: WG1261537-2								
Total Organic Carbon	86		-		75-125	-		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 231841

Lab Number: L1932179
Report Date: 08/01/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-07,09-12 QC Batch ID: WG1262316-1 QC Sample: L1931999-01 Client ID: DUP Sample						
Solids, Total	87.7	87.9	%	0		20
Grain Size Analysis - Mansfield Lab Associated sample(s): 11 QC Batch ID: WG1265417-1 QC Sample: L1932470-01 Client ID: DUP Sample						
Cobbles	ND	ND	%	NC		20
% Coarse Gravel	ND	ND	%	NC		20
% Fine Gravel	3.50	0.500	%	**150**	Q	20
% Total Gravel	3.50	0.500	%	**150**	Q	20
% Coarse Sand	0.900	0.600	%	**40**	Q	20
% Medium Sand	7.10	4.40	%	**47**	Q	20
% Fine Sand	26.9	20.3	%	**28**	Q	20
% Total Sand	34.9	25.3	%	**32**	Q	20
% Total Fines	61.6	74.2	%	19		20

Project Name: SALEM FORMER WWTF
Project Number: 231841

Lab Number: L1932179
Report Date: 08/01/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1932179-01A	Vial MeOH preserved	B	NA		3.5	Y	Absent		8260HLW-NH(14)
L1932179-01B	Vial water preserved	B	NA		3.5	Y	Absent	19-JUL-19 20:23	8260HLW-NH(14)
L1932179-01C	Vial water preserved	B	NA		3.5	Y	Absent	19-JUL-19 20:23	8260HLW-NH(14)
L1932179-01D	Plastic 2oz unpreserved for TS	B	NA		3.5	Y	Absent		TS(7)
L1932179-02A	Vial MeOH preserved	B	NA		3.5	Y	Absent		8260HLW-NH(14)
L1932179-02B	Vial water preserved	B	NA		3.5	Y	Absent	19-JUL-19 20:23	8260HLW-NH(14)
L1932179-02C	Vial water preserved	B	NA		3.5	Y	Absent	19-JUL-19 20:23	8260HLW-NH(14)
L1932179-02D	Plastic 2oz unpreserved for TS	B	NA		3.5	Y	Absent		TS(7)
L1932179-03A	Vial MeOH preserved	B	NA		3.5	Y	Absent		8260HLW-NH(14)
L1932179-03B	Vial water preserved	B	NA		3.5	Y	Absent	19-JUL-19 20:23	8260HLW-NH(14)
L1932179-03C	Vial water preserved	B	NA		3.5	Y	Absent	19-JUL-19 20:23	8260HLW-NH(14)
L1932179-03D	Plastic 2oz unpreserved for TS	B	NA		3.5	Y	Absent		TS(7)
L1932179-04A	Vial MeOH preserved	B	NA		3.5	Y	Absent		8260HLW-NH(14)
L1932179-04B	Vial water preserved	B	NA		3.5	Y	Absent	19-JUL-19 20:23	8260HLW-NH(14)
L1932179-04C	Vial water preserved	B	NA		3.5	Y	Absent	19-JUL-19 20:23	8260HLW-NH(14)
L1932179-04D	Plastic 2oz unpreserved for TS	B	NA		3.5	Y	Absent		TS(7)
L1932179-05A	Vial MeOH preserved	B	NA		3.5	Y	Absent		8260HLW-NH(14)
L1932179-05B	Vial water preserved	B	NA		3.5	Y	Absent	19-JUL-19 20:23	8260HLW-NH(14)
L1932179-05C	Vial water preserved	B	NA		3.5	Y	Absent	19-JUL-19 20:23	8260HLW-NH(14)
L1932179-05D	Plastic 2oz unpreserved for TS	B	NA		3.5	Y	Absent		TS(7)
L1932179-06A	Vial MeOH preserved	B	NA		3.5	Y	Absent		8260HLW-NH(14)
L1932179-06B	Vial water preserved	B	NA		3.5	Y	Absent	19-JUL-19 20:23	8260HLW-NH(14)
L1932179-06C	Vial water preserved	B	NA		3.5	Y	Absent	19-JUL-19 20:23	8260HLW-NH(14)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1932179-06D	Plastic 2oz unpreserved for TS	B	NA		3.5	Y	Absent		TS(7)
L1932179-07A	Vial MeOH preserved	B	NA		3.5	Y	Absent		8260HLW-NH(14)
L1932179-07B	Vial water preserved	B	NA		3.5	Y	Absent	19-JUL-19 20:23	8260HLW-NH(14)
L1932179-07C	Vial water preserved	B	NA		3.5	Y	Absent	19-JUL-19 20:23	8260HLW-NH(14)
L1932179-07D	Plastic 2oz unpreserved for TS	B	NA		3.5	Y	Absent		TS(7)
L1932179-08A	Vial HCl preserved	B	NA		3.5	Y	Absent		8260-NH(14)
L1932179-08B	Vial HCl preserved	B	NA		3.5	Y	Absent		8260-NH(14)
L1932179-09A	Vial MeOH preserved	B	NA		3.5	Y	Absent		8260HLW-NH(14)
L1932179-09B	Vial water preserved	B	NA		3.5	Y	Absent	19-JUL-19 20:23	8260HLW-NH(14)
L1932179-09C	Vial water preserved	B	NA		3.5	Y	Absent	19-JUL-19 20:23	8260HLW-NH(14)
L1932179-09D	Plastic 2oz unpreserved for TS	B	NA		3.5	Y	Absent		TS(7)
L1932179-10A	Vial MeOH preserved	B	NA		3.5	Y	Absent		8260HLW-NH(14)
L1932179-10B	Vial water preserved	B	NA		3.5	Y	Absent	19-JUL-19 20:23	8260HLW-NH(14)
L1932179-10C	Vial water preserved	B	NA		3.5	Y	Absent	19-JUL-19 20:23	8260HLW-NH(14)
L1932179-10D	Plastic 2oz unpreserved for TS	B	NA		3.5	Y	Absent		TS(7)
L1932179-11A	Vial MeOH preserved	B	NA		3.5	Y	Absent		8260HLW-NH(14)
L1932179-11B	Vial water preserved	B	NA		3.5	Y	Absent	19-JUL-19 20:23	8260HLW-NH(14)
L1932179-11C	Vial water preserved	B	NA		3.5	Y	Absent	19-JUL-19 20:23	8260HLW-NH(14)
L1932179-11D	Glass 120ml/4oz unpreserved	B	NA		3.5	Y	Absent		A2-TOC-9060(28)
L1932179-11E	Plastic 2oz unpreserved for TS	B	NA		3.5	Y	Absent		TS(7)
L1932179-11F	Plastic 8oz unpreserved for Grain Size	B	NA		3.5	Y	Absent		A2-HYDRO-TFINE(),A2-HYDRO-CGRAVEL(),A2-HYDRO-FSAND(),A2-HYDRO-MSAND(),A2-HYDRO-TGRAVEL(),A2-HYDRO-CSAND(),A2-HYDRO-TSAND(),A2-HYDRO-COBBLES(),A2-HYDRO-FGRAVEL()
L1932179-12A	Vial MeOH preserved	B	NA		3.5	Y	Absent		8260HLW-NH(14)
L1932179-12B	Vial water preserved	B	NA		3.5	Y	Absent	19-JUL-19 20:23	8260HLW-NH(14)
L1932179-12C	Vial water preserved	B	NA		3.5	Y	Absent	19-JUL-19 20:23	8260HLW-NH(14)
L1932179-12D	Plastic 2oz unpreserved for TS	B	NA		3.5	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1932179
Project Number:	231841	**Report Date:**	08/01/19

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: Data Usability Report

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1932179
Project Number:	231841	**Report Date:**	08/01/19

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: Data Usability Report

Project Name: SALEM FORMER WWTF
Project Number: 231841
Lab Number: L1932179
Report Date: 08/01/19

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

12 Annual Book of ASTM Standards. (American Society for Testing and Materials) ASTM International.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

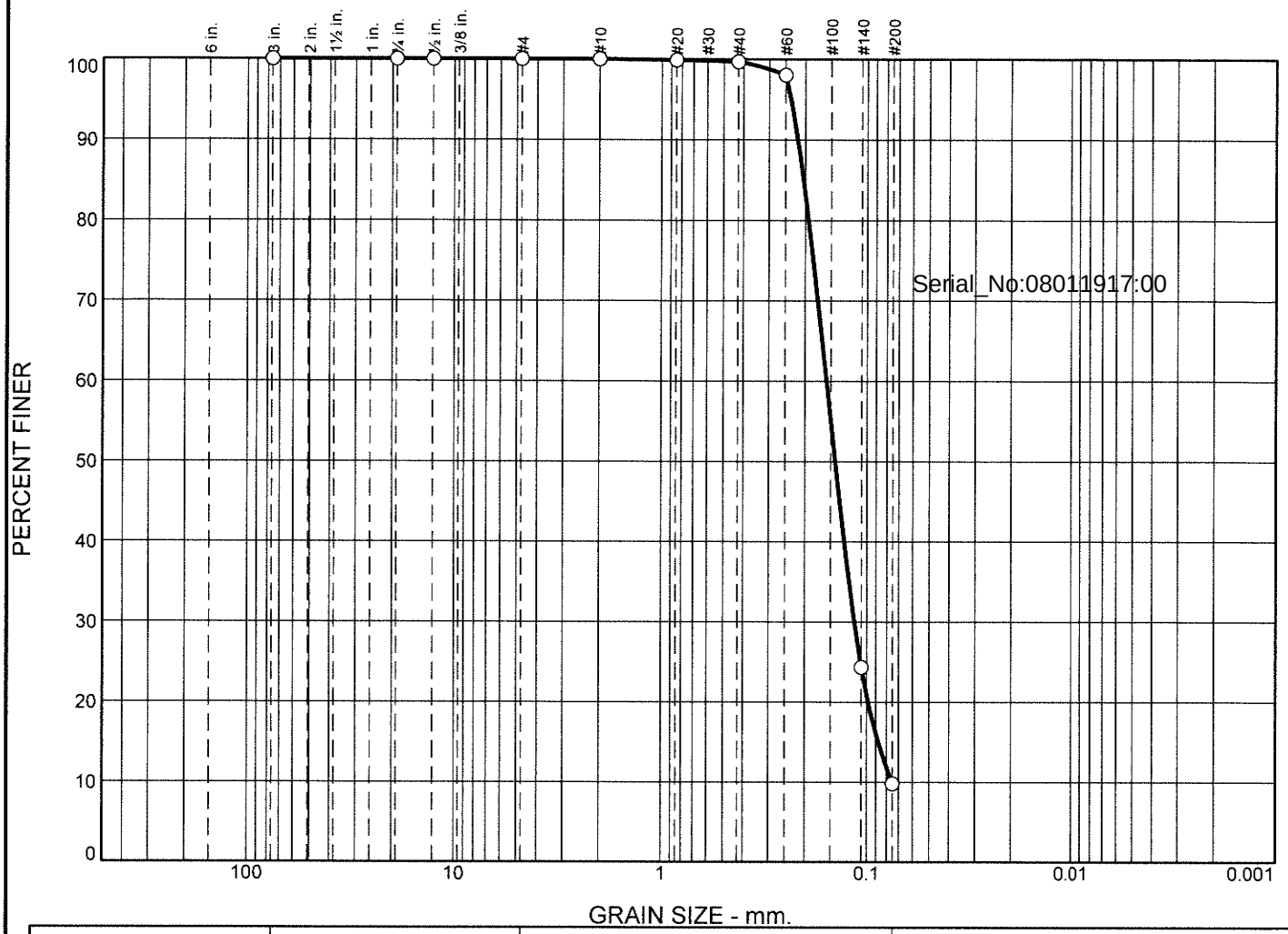
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We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

ASTM D6913/D7928

GRAIN SIZE ANALYSIS

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	0.3	89.9	9.8	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				0.2042	0.1572	0.1425	0.1146	0.0878	0.0754	1.11	2.08

	Material Description	USCS	AASHTO
○			

Project No. **Client:**

Project:

○ **Source of Sample:** SB19-48 (15-17) **Sample Number:** L1932179-11

Date: ○

Alpha Analytical

Mansfield, MA

Remarks:

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

7/31/2019

Location: SB19-48 (15-17)

Sample Number: L1932179-11

Sieve Test Data

Post #200 Wash Test Weights (grams): **Dry Sample and Tare =** 115.00
Tare Wt. = 0.00
Minus #200 from wash = 0.0%

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer
115.00	0.00	3	0.00	0.00	100.0
		0.75	0.00	0.00	100.0
		0.50	0.00	0.00	100.0
		#4	0.00	0.00	100.0
		#10	0.00	0.00	100.0
		#20	0.13	0.00	99.9
		#40	0.23	0.00	99.7
		#60	1.88	0.00	98.1
		#140	84.76	0.00	24.3
		#200	16.71	0.00	9.8

Serial_No:08011917:00

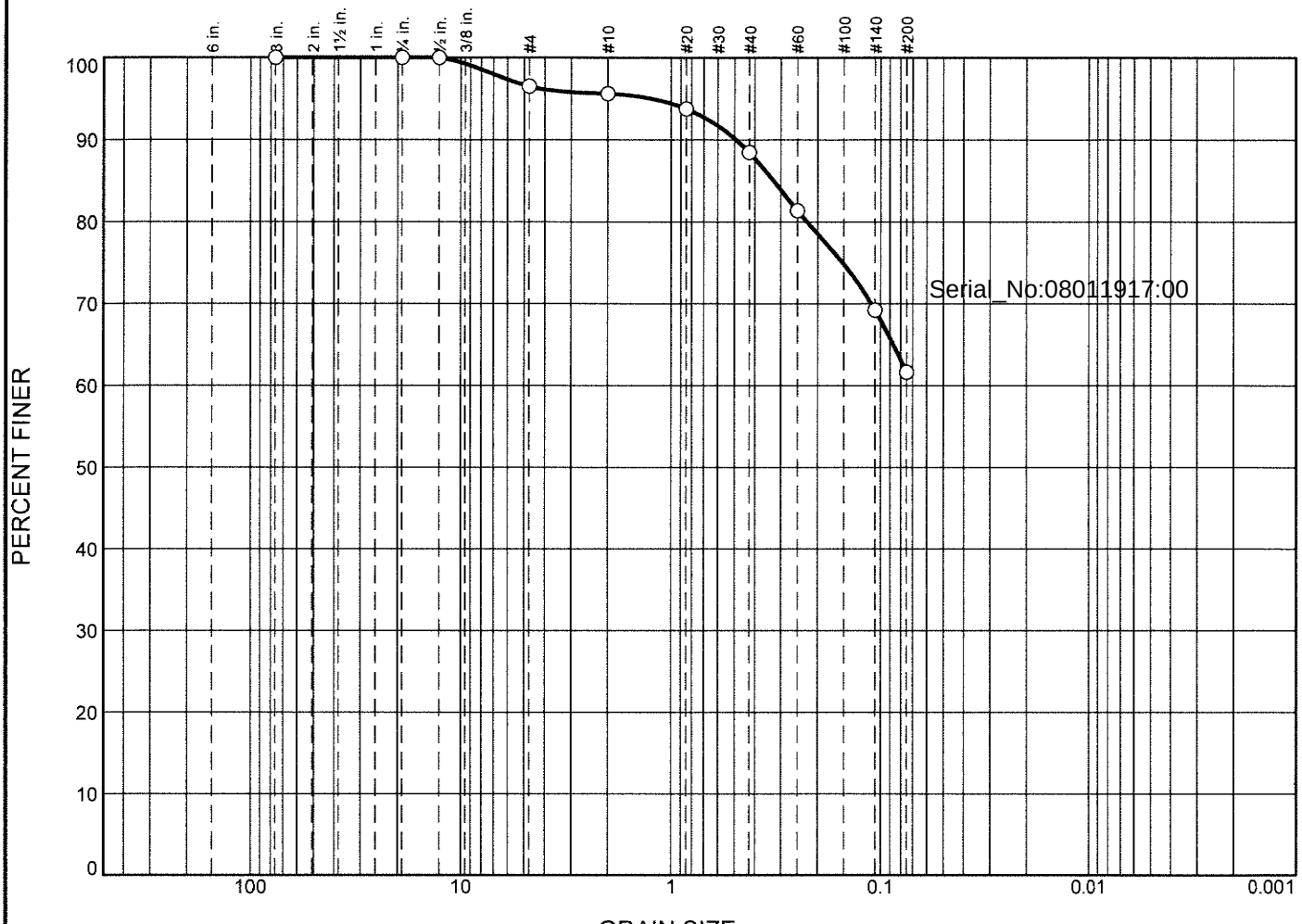
Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	0.0	0.0	0.0	0.3	89.9	90.2			9.8

D_5	D_{10}	D_{15}	D_{20}	D_{30}	D_{40}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
	0.0754	0.0878	0.0983	0.1146	0.1286	0.1425	0.1572	0.1927	0.2042	0.2178	0.2352

Fineness Modulus	C_u	C_c
0.46	2.08	1.11

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	3.5	0.9	7.1	26.9	61.6	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				0.3257							

Material Description	USCS	AASHTO
○		

Project No. **Client:**

Project:

○ **Source of Sample:** QUARRY01 **Sample Number:** L1932470-01

Date: ○

Alpha Analytical

Mansfield, MA

Remarks:

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

7/31/2019

Location: QUARRY01

Sample Number: L1932470-01

Sieve Test Data

Post #200 Wash Test Weights (grams): **Dry Sample and Tare =** 121.00
Tare Wt. = 0.00
Minus #200 from wash = 0.0%

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer
121.00	0.00	3	0.00	0.00	100.0
		0.75	0.00	0.00	100.0
		0.50	0.00	0.00	100.0
		#4	4.22	0.00	96.5
		#10	1.09	0.00	95.6
		#20	2.24	0.00	93.8
		#40	6.42	0.00	88.5
		#60	8.59	0.00	81.4
		#140	14.71	0.00	69.2
		#200	9.14	0.00	61.6

Serial_No:08011917:00

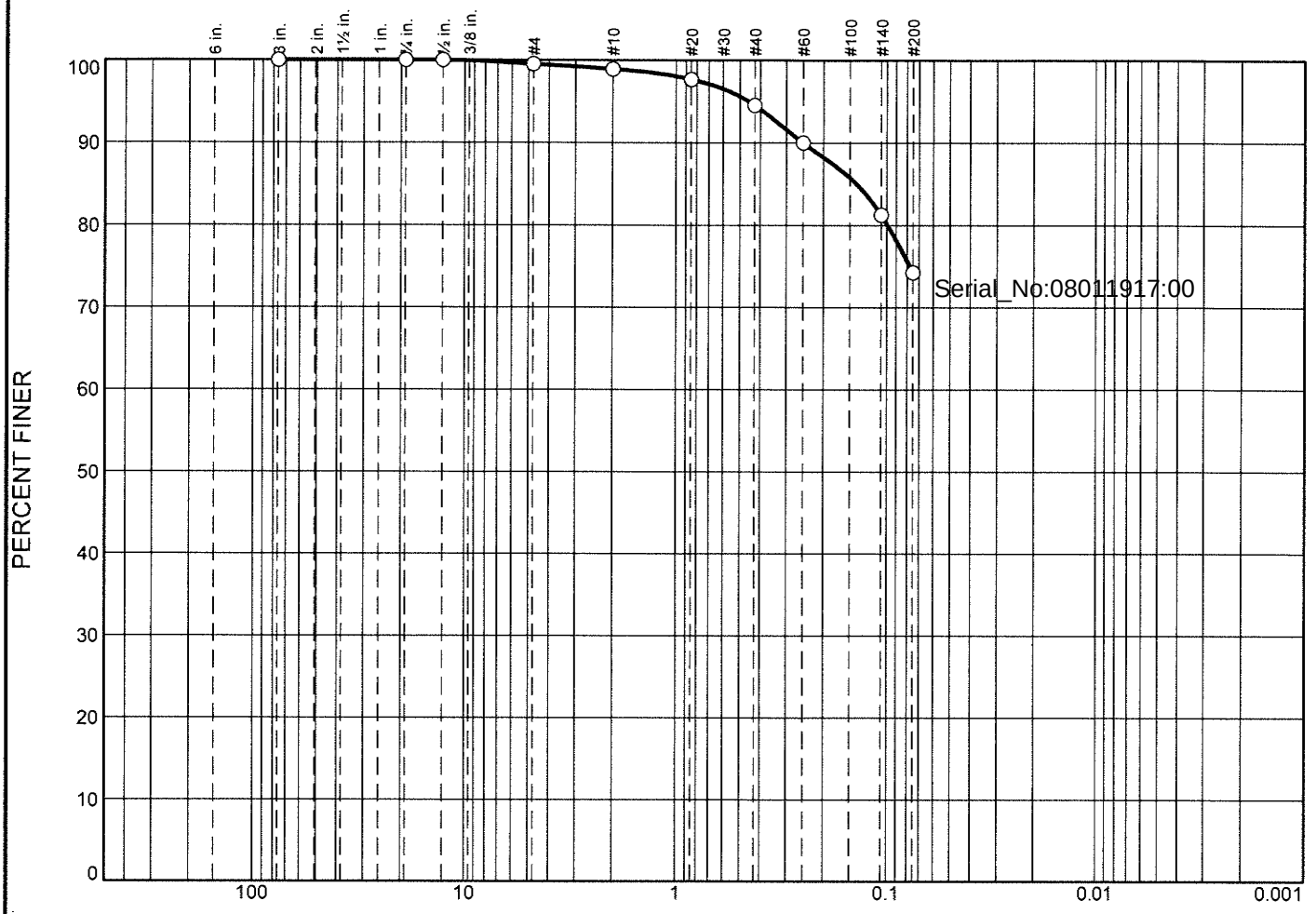
Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	3.5	3.5	0.9	7.1	26.9	34.9			61.6

D_5	D_{10}	D_{15}	D_{20}	D_{30}	D_{40}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
								0.2251	0.3257	0.4912	1.2429

Fineness Modulus
0.63

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.5	0.6	4.4	20.3	74.2	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				0.1392							

Material Description	USCS	AASHTO
○		

Project No. **Client:**

Project:

○ **Source of Sample:** QUARRY01 **Sample Number:** WG1265417-1

Date: ○

Alpha Analytical

Mansfield, MA

Remarks:

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

7/31/2019

Location: QUARRY01

Sample Number: WG1265417-1

Sieve Test Data

Post #200 Wash Test Weights (grams): **Dry Sample and Tare =** 130.50
Tare Wt. = 0.00
Minus #200 from wash = 0.0%

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer
130.50	0.00	3	0.00	0.00	100.0
		0.75	0.00	0.00	100.0
		0.50	0.00	0.00	100.0
		#4	0.62	0.00	99.5
		#10	0.78	0.00	98.9
		#20	1.61	0.00	97.7
		#40	4.12	0.00	94.5
		#60	5.95	0.00	90.0
		#140	11.40	0.00	81.2
		#200	9.14	0.00	74.2

Serial_No:08011917:00

Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	0.5	0.5	0.6	4.4	20.3	25.3			74.2

D_5	D_{10}	D_{15}	D_{20}	D_{30}	D_{40}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
								0.0989	0.1392	0.2507	0.4539

Fineness Modulus
0.29

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

CHAIN OF CUSTODY

PAGE 1 OF 2

Date Rec'd in Lab: 7/19/19

ALPHA Job #: L1932179

ALPHA
8 Walkup Drive, Westboro, MA 01581, Tel: 508-898-9220
320 Forbes Blvd, Mansfield, MA 02048, Tel: 508-822-9300

Client Information

Client: Woodard & Curran

Address: 410 Sheffield Rd. Andover, MA

Phone: 978-482-7908

Email: KElich@woodardcurran.com, Soney@woodardcurran.com

Project Information

Project Name: Salem Former WWTF

Project Location: Salem, NH

Project #: 231841

Project Manager: Jarrod Yoder.

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due:

Report Information - Data Deliverables

☒ ADEx ☐ EMAIL

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements & Project Information Requirements

☐ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods

☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)

☐ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)

☐ Yes ☐ No NPDES RGP

☐ Other State /Fed Program _____ Criteria _____

Additional Project Information:

ANALYSIS

VOC: ☒ 8260 ☐ 624 ☐ 524.2

SVOC: ☐ ABN ☐ PAH

METALS: ☐ MCP 13 ☐ MCP 14 ☐ RCP 15

METALS: ☐ RCRA5 ☐ RCRA8 ☐ PP13

EPH: ☐ Ranges & Targets ☐ Ranges Only

VPH: ☐ Ranges & Targets ☐ Ranges Only

☐ PCB ☐ PEST

TPH: ☐ Quant Only ☐ Fingerprint

T. Solids

SAMPLE INFO

Filtration
☐ Field
☐ Lab to do

Preservation
☐ Lab to do

Sample Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	VOC	T. Solids	TOTAL # BOTTLES
32179-01	SB19-42(12.5-15)	7/18/19	0920	Soil	STO	X	X	4
02	SB19-43(0-2.5)	7/18/19	1115	Soil	STO	X	X	4
03	SB19-43(32.5-35)	7/16/19	1130	Soil	STO	X	X	4
04	SB19-44(10-12)	7/18/19	1400	Soil	STO	X	X	4
05	SB19-44(17.5-20)	7/18/19	1410	Soil	STO	X	X	4
06	SB19-45(2.5-4)	7/18/19	1605	Soil	STO	X	X	4
07	SB19-45(22.5-25)	7/18/19	1610	Soil	STO	X	X	4
08	Trip Blank	7/8/19	947	-	-	X		2

Container Type	V																							P
Preservative	4°C																							A

Container Type
P= Plastic
A= Amber glass
V= Vial
G= Glass
B= Bacteria cup
C= Cube
O= Other
E= Encore
D= BOD Bottle

Preservative
A= None
B= HCl
C= HNO_3
D= H_2SO_4
E= NaOH
F= MeOH
G= $NaHSO_4$
H = $Na_2S_2O_3$
I= Ascorbic Acid
J = NH_4Cl
K= Zn Acetate
O= Other

Relinquished By:	Date/Time	Received By:	Date/Time
TIC	7/19/19 1610	TIC	7/19/19 1610
	7-19-19 1745		7/19/19 1745

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)

CHAIN OF CUSTODY

PAGE 2 OF 2

Date Rec'd in Lab: 7/19/19

ALPHA Job #: L1932179

ALPHA Analytical
8 Walkup Drive, Westboro, MA 01581, Tel: 508-898-9220
320 Forbes Blvd, Mansfield, MA 02048, Tel: 508-822-9300

Client Information

Client: Woodard & Curran
Address: 40 Shattuck Rd. Andover, MA
Phone: 978-482-7908
Email: schary@woodardcurran.com kelch@woodardcurran.com

Additional Project Information:

Project Information

Project Name: Salem, FWWTF
Project Location: Salem, NH
Project #: 0231841
Project Manager: Jarrod Yoder
ALPHA Quote #:

Turn-Around Time

[X] Standard [ ] RUSH (only confirmed if pre-approved)
Date Due:

Report Information - Data Deliverables

[X] ADEx [X] EMAIL

Billing Information

[ ] Same as Client info PO #:

Regulatory Requirements & Project Information Requirements

[ ] Yes [ ] No MA MCP Analytical Methods [ ] Yes [ ] No CT RCP Analytical Methods
[ ] Yes [ ] No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
[ ] Yes [ ] No GW1 Standards (Info Required for Metals & EPH with Targets)
[ ] Yes [ ] No NPDES RGP
[ ] Other State /Fed Program _____ Criteria _____

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	VOC: [X] 8260 [ ] 624 [ ] 524.2	SVOC: [ ] ABN [ ] PAH	METALS: [ ] MCP 13 [ ] MCP 14 [ ] RCP 15	METALS: [ ] RCRA5 [ ] RCRA8 [ ] PP13	EPH: [ ] Ranges & Targets [ ] Ranges Only	VPH: [ ] Ranges & Targets [ ] Ranges Only	[ ] PCB [ ] PEST	TPH: [ ] Quant Only [ ] Fingerprint	TOC	grain size % solids	Sample Comments	TOTAL # BOTTLES
32179-09	SB19-46(15-17.5)	7/19/19	900	Soil	CSM	X									X		4
10	SB19-47(10-12.5)	7/19/19	1030	Soil	CSM	X									X		4
11	SB19-48(15-17)	7/19/19	1200	Soil	CSM	X								X	X	X	6
12	SB19-49(17.5-20)	7/19/19	1430	Soil	CSM	X									X		4

SAMPLE INFO
Filtration
[ ] Field
[ ] Lab to do
Preservation
[ ] Lab to do

Container Type	V	A	P
Preservative	F,U	A	A

Container Type
P= Plastic
A= Amber glass
V= Vial
G= Glass
B= Bacteria cup
C= Cube
O= Other
E= Encore
D= BOD Bottle

Preservative
A= None
B= HCl
C= HNO_3
D= H_2SO_4
E= NaOH
F= MeOH
G= $NaHSO_3$
H = $Na_2S_2O_3$
I= Ascorbic Acid
J = NH_4Cl
K= Zn Acetate
O= Other

Relinquished By:	Date/Time	Received By:	Date/Time
TY-C	7/19/19 1610		7-19-19 1644
	7/19/19 1745		7/19/19 1911

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)

ANALYTICAL REPORT

Lab Number:	L1932572
Client:	Woodard & Curran 40 Shattuck Road Suite 110 Andover, MA 01810
ATTN:	Jarrod Yoder
Phone:	(978) 557-8150
Project Name:	SALEM FORMER WWTF
Project Number:	0231841
Report Date:	08/02/19

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1932572
Report Date: 08/02/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1932572-01	SB19-50(10-12.5)	SOIL	SALEM, NH	07/22/19 08:30	07/23/19
L1932572-02	SB19-50(10-12.5) DUP	SOIL	SALEM, NH	07/22/19 08:30	07/23/19
L1932572-03	SB19-50(15-17.5)	SOIL	SALEM, NH	07/22/19 09:30	07/23/19
L1932572-04	SB19-51(1.5-3)	SOIL	SALEM, NH	07/22/19 11:20	07/23/19
L1932572-05	SB19-51(10-12)	SOIL	SALEM, NH	07/22/19 12:00	07/23/19
L1932572-06	SB19-52(12.5-15)	SOIL	SALEM, NH	07/22/19 14:45	07/23/19
L1932572-07	SB19-53(2-4)	SOIL	SALEM, NH	07/22/19 10:00	07/23/19
L1932572-08	TRIP BLANK	TRIP BLANK (SOIL)	SALEM, NH	07/19/19 00:00	07/23/19
L1932572-09	SB19-54(22.5-25)	SOIL	SALEM, NH	07/23/19 09:30	07/23/19
L1932572-10	SB19-55(15-17)	SOIL	SALEM, NH	07/23/19 11:15	07/23/19
L1932572-11	SB19-55(20-22.5)	SOIL	SALEM, NH	07/23/19 11:20	07/23/19
L1932572-12	SB19-55(32.5-35)	SOIL	SALEM, NH	07/23/19 11:35	07/23/19
L1932572-13	SB19-56(17.5-20)	SOIL	SALEM, NH	07/23/19 13:50	07/23/19
L1932572-14	SB19-57(15-17.5)	SOIL	SALEM, NH	07/23/19 14:30	07/23/19
L1932572-15	SB19-58(10-12)	SOIL	SALEM, NH	07/23/19 15:30	07/23/19

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1932572
Project Number:	0231841	**Report Date:**	08/02/19

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1932572
Project Number:	0231841	**Report Date:**	08/02/19

Case Narrative (continued)

Report Submission

August 02, 2019: This final report includes the results of all requested analyses.

July 30, 2019: This is a preliminary report.

Sample Receipt

L1932572-10: The analysis of Volatile Organics was requested on the chain of custody; however, sample containers were not received. This was verified by the client.

Volatile Organics

L1932572-08: The Trip Blank has a result for acetone and tert-butyl alcohol present above the reporting limit. The sample was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential for carry over.

Total Organic Carbon

WG1267981: The required batch QC was prepared; however, the native sample required a different reporting method; therefore, the associated QC results could not be reported.

Grain Size Analysis

The WG1265850-1 Laboratory Duplicate RPD for % coarse sand (100%), performed on L1932572-10, is outside the acceptance criteria. The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 08/02/19

ORGANICS

VOLATILES

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-01
Client ID: SB19-50(10-12.5)
Sample Location: SALEM, NH

Date Collected: 07/22/19 08:30
Date Received: 07/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/30/19 08:08
Analyst: MV
Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	690	--	1
1,1-Dichloroethane	ND		ug/kg	140	--	1
Chloroform	ND		ug/kg	210	--	1
Carbon tetrachloride	ND		ug/kg	140	--	1
1,2-Dichloropropane	ND		ug/kg	140	--	1
Dibromochloromethane	ND		ug/kg	140	--	1
1,1,2-Trichloroethane	ND		ug/kg	140	--	1
Tetrachloroethene	160		ug/kg	69	--	1
Chlorobenzene	ND		ug/kg	69	--	1
Trichlorofluoromethane	ND		ug/kg	550	--	1
1,2-Dichloroethane	ND		ug/kg	140	--	1
1,1,1-Trichloroethane	1500		ug/kg	69	--	1
Bromodichloromethane	ND		ug/kg	69	--	1
trans-1,3-Dichloropropene	ND		ug/kg	140	--	1
cis-1,3-Dichloropropene	ND		ug/kg	69	--	1
1,3-Dichloropropene, Total	ND		ug/kg	69	--	1
1,1-Dichloropropene	ND		ug/kg	69	--	1
Bromoform	ND		ug/kg	550	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	69	--	1
Benzene	ND		ug/kg	69	--	1
Toluene	560		ug/kg	140	--	1
Ethylbenzene	ND		ug/kg	140	--	1
Chloromethane	ND		ug/kg	550	--	1
Bromomethane	ND		ug/kg	280	--	1
Vinyl chloride	150		ug/kg	140	--	1
Chloroethane	ND		ug/kg	280	--	1
1,1-Dichloroethene	150		ug/kg	140	--	1
trans-1,2-Dichloroethene	ND		ug/kg	210	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-01 Date Collected: 07/22/19 08:30

Client ID: SB19-50(10-12.5) Date Received: 07/23/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	19000		ug/kg	69	--	1
1,2-Dichlorobenzene	ND		ug/kg	280	--	1
1,3-Dichlorobenzene	ND		ug/kg	280	--	1
1,4-Dichlorobenzene	ND		ug/kg	280	--	1
Methyl tert butyl ether	ND		ug/kg	280	--	1
p/m-Xylene	ND		ug/kg	280	--	1
o-Xylene	ND		ug/kg	140	--	1
Xylenes, Total	ND		ug/kg	140	--	1
cis-1,2-Dichloroethene	15000		ug/kg	140	--	1
1,2-Dichloroethene, Total	15000		ug/kg	140	--	1
Dibromomethane	ND		ug/kg	280	--	1
1,2,3-Trichloropropane	ND		ug/kg	280	--	1
Styrene	ND		ug/kg	140	--	1
Dichlorodifluoromethane	ND		ug/kg	1400	--	1
Acetone	ND		ug/kg	1400	--	1
Carbon disulfide	ND		ug/kg	1400	--	1
2-Butanone	ND		ug/kg	1400	--	1
4-Methyl-2-pentanone	ND		ug/kg	1400	--	1
2-Hexanone	ND		ug/kg	1400	--	1
Bromochloromethane	ND		ug/kg	280	--	1
Tetrahydrofuran	ND		ug/kg	550	--	1
2,2-Dichloropropane	ND		ug/kg	280	--	1
1,2-Dibromoethane	ND		ug/kg	140	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	69	--	1
Bromobenzene	ND		ug/kg	280	--	1
n-Butylbenzene	ND		ug/kg	140	--	1
sec-Butylbenzene	ND		ug/kg	140	--	1
tert-Butylbenzene	ND		ug/kg	280	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	280	--	1
o-Chlorotoluene	ND		ug/kg	280	--	1
p-Chlorotoluene	ND		ug/kg	280	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	420	--	1
Hexachlorobutadiene	ND		ug/kg	550	--	1
Isopropylbenzene	ND		ug/kg	140	--	1
p-Isopropyltoluene	ND		ug/kg	140	--	1
Naphthalene	ND		ug/kg	550	--	1
n-Propylbenzene	ND		ug/kg	140	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-01 Date Collected: 07/22/19 08:30

Client ID: SB19-50(10-12.5) Date Received: 07/23/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	280	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	280	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	280	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	280	--	1
Ethyl ether	ND		ug/kg	280	--	1
Isopropyl Ether	ND		ug/kg	280	--	1
Tert-Butyl Alcohol	ND		ug/kg	2800	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	280	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	280	--	1
1,4-Dioxane	ND		ug/kg	11000	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	99		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-02
Client ID: SB19-50(10-12.5) DUP
Sample Location: SALEM, NH

Date Collected: 07/22/19 08:30
Date Received: 07/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/30/19 08:34
Analyst: MV
Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	640	--	1
1,1-Dichloroethane	ND		ug/kg	130	--	1
Chloroform	ND		ug/kg	190	--	1
Carbon tetrachloride	ND		ug/kg	130	--	1
1,2-Dichloropropane	ND		ug/kg	130	--	1
Dibromochloromethane	ND		ug/kg	130	--	1
1,1,2-Trichloroethane	ND		ug/kg	130	--	1
Tetrachloroethene	190		ug/kg	64	--	1
Chlorobenzene	ND		ug/kg	64	--	1
Trichlorofluoromethane	ND		ug/kg	520	--	1
1,2-Dichloroethane	ND		ug/kg	130	--	1
1,1,1-Trichloroethane	1500		ug/kg	64	--	1
Bromodichloromethane	ND		ug/kg	64	--	1
trans-1,3-Dichloropropene	ND		ug/kg	130	--	1
cis-1,3-Dichloropropene	ND		ug/kg	64	--	1
1,3-Dichloropropene, Total	ND		ug/kg	64	--	1
1,1-Dichloropropene	ND		ug/kg	64	--	1
Bromoform	ND		ug/kg	520	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	64	--	1
Benzene	ND		ug/kg	64	--	1
Toluene	570		ug/kg	130	--	1
Ethylbenzene	ND		ug/kg	130	--	1
Chloromethane	ND		ug/kg	520	--	1
Bromomethane	ND		ug/kg	260	--	1
Vinyl chloride	160		ug/kg	130	--	1
Chloroethane	ND		ug/kg	260	--	1
1,1-Dichloroethene	180		ug/kg	130	--	1
trans-1,2-Dichloroethene	ND		ug/kg	190	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-02 Date Collected: 07/22/19 08:30

Client ID: SB19-50(10-12.5) DUP Date Received: 07/23/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	21000		ug/kg	64	--	1
1,2-Dichlorobenzene	ND		ug/kg	260	--	1
1,3-Dichlorobenzene	ND		ug/kg	260	--	1
1,4-Dichlorobenzene	ND		ug/kg	260	--	1
Methyl tert butyl ether	ND		ug/kg	260	--	1
p/m-Xylene	ND		ug/kg	260	--	1
o-Xylene	ND		ug/kg	130	--	1
Xylenes, Total	ND		ug/kg	130	--	1
cis-1,2-Dichloroethene	15000		ug/kg	130	--	1
1,2-Dichloroethene, Total	15000		ug/kg	130	--	1
Dibromomethane	ND		ug/kg	260	--	1
1,2,3-Trichloropropane	ND		ug/kg	260	--	1
Styrene	ND		ug/kg	130	--	1
Dichlorodifluoromethane	ND		ug/kg	1300	--	1
Acetone	ND		ug/kg	1300	--	1
Carbon disulfide	ND		ug/kg	1300	--	1
2-Butanone	ND		ug/kg	1300	--	1
4-Methyl-2-pentanone	ND		ug/kg	1300	--	1
2-Hexanone	ND		ug/kg	1300	--	1
Bromochloromethane	ND		ug/kg	260	--	1
Tetrahydrofuran	ND		ug/kg	520	--	1
2,2-Dichloropropane	ND		ug/kg	260	--	1
1,2-Dibromoethane	ND		ug/kg	130	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	64	--	1
Bromobenzene	ND		ug/kg	260	--	1
n-Butylbenzene	ND		ug/kg	130	--	1
sec-Butylbenzene	ND		ug/kg	130	--	1
tert-Butylbenzene	ND		ug/kg	260	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	260	--	1
o-Chlorotoluene	ND		ug/kg	260	--	1
p-Chlorotoluene	ND		ug/kg	260	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	390	--	1
Hexachlorobutadiene	ND		ug/kg	520	--	1
Isopropylbenzene	ND		ug/kg	130	--	1
p-Isopropyltoluene	ND		ug/kg	130	--	1
Naphthalene	ND		ug/kg	520	--	1
n-Propylbenzene	ND		ug/kg	130	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-02 Date Collected: 07/22/19 08:30

Client ID: SB19-50(10-12.5) DUP Date Received: 07/23/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	260	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	260	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	260	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	260	--	1
Ethyl ether	ND		ug/kg	260	--	1
Isopropyl Ether	ND		ug/kg	260	--	1
Tert-Butyl Alcohol	ND		ug/kg	2600	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	260	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	260	--	1
1,4-Dioxane	ND		ug/kg	10000	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	99		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-03 Date Collected: 07/22/19 09:30

Client ID: SB19-50(15-17.5) Date Received: 07/23/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 07/30/19 01:36

Analyst: JC

Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.9	--	1
1,1-Dichloroethane	ND		ug/kg	0.78	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.78	--	1
1,2-Dichloropropane	ND		ug/kg	0.78	--	1
Dibromochloromethane	ND		ug/kg	0.78	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.78	--	1
Tetrachloroethene	ND		ug/kg	0.39	--	1
Chlorobenzene	ND		ug/kg	0.39	--	1
Trichlorofluoromethane	ND		ug/kg	3.1	--	1
1,2-Dichloroethane	ND		ug/kg	0.78	--	1
1,1,1-Trichloroethane	0.69		ug/kg	0.39	--	1
Bromodichloromethane	ND		ug/kg	0.39	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.78	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.39	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.39	--	1
1,1-Dichloropropene	ND		ug/kg	0.39	--	1
Bromoform	ND		ug/kg	3.1	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.39	--	1
Benzene	ND		ug/kg	0.39	--	1
Toluene	1.2		ug/kg	0.78	--	1
Ethylbenzene	ND		ug/kg	0.78	--	1
Chloromethane	ND		ug/kg	3.1	--	1
Bromomethane	ND		ug/kg	1.6	--	1
Vinyl chloride	ND		ug/kg	0.78	--	1
Chloroethane	ND		ug/kg	1.6	--	1
1,1-Dichloroethene	ND		ug/kg	0.78	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-03 Date Collected: 07/22/19 09:30

Client ID: SB19-50(15-17.5) Date Received: 07/23/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	5.5		ug/kg	0.39	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.6	--	1
Methyl tert butyl ether	ND		ug/kg	1.6	--	1
p/m-Xylene	ND		ug/kg	1.6	--	1
o-Xylene	ND		ug/kg	0.78	--	1
Xylenes, Total	ND		ug/kg	0.78	--	1
cis-1,2-Dichloroethene	11		ug/kg	0.78	--	1
1,2-Dichloroethene, Total	11		ug/kg	0.78	--	1
Dibromomethane	ND		ug/kg	1.6	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.6	--	1
Styrene	ND		ug/kg	0.78	--	1
Dichlorodifluoromethane	ND		ug/kg	7.8	--	1
Acetone	18		ug/kg	7.8	--	1
Carbon disulfide	ND		ug/kg	7.8	--	1
2-Butanone	ND		ug/kg	7.8	--	1
4-Methyl-2-pentanone	ND		ug/kg	7.8	--	1
2-Hexanone	ND		ug/kg	7.8	--	1
Bromochloromethane	ND		ug/kg	1.6	--	1
Tetrahydrofuran	ND		ug/kg	3.1	--	1
2,2-Dichloropropane	ND		ug/kg	1.6	--	1
1,2-Dibromoethane	ND		ug/kg	0.78	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.39	--	1
Bromobenzene	ND		ug/kg	1.6	--	1
n-Butylbenzene	ND		ug/kg	0.78	--	1
sec-Butylbenzene	ND		ug/kg	0.78	--	1
tert-Butylbenzene	ND		ug/kg	1.6	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.6	--	1
o-Chlorotoluene	ND		ug/kg	1.6	--	1
p-Chlorotoluene	ND		ug/kg	1.6	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.3	--	1
Hexachlorobutadiene	ND		ug/kg	3.1	--	1
Isopropylbenzene	ND		ug/kg	0.78	--	1
p-Isopropyltoluene	ND		ug/kg	0.78	--	1
Naphthalene	ND		ug/kg	3.1	--	1
n-Propylbenzene	ND		ug/kg	0.78	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-03 Date Collected: 07/22/19 09:30

Client ID: SB19-50(15-17.5) Date Received: 07/23/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.6	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.6	--	1
Ethyl ether	ND		ug/kg	1.6	--	1
Isopropyl Ether	ND		ug/kg	1.6	--	1
Tert-Butyl Alcohol	ND		ug/kg	16	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.6	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.6	--	1
1,4-Dioxane	ND		ug/kg	62	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	97		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-04 D
Client ID: SB19-51(1.5-3)
Sample Location: SALEM, NH

Date Collected: 07/22/19 11:20
Date Received: 07/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/29/19 19:43
Analyst: JC
Percent Solids: 41%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	7300	--	4
1,1-Dichloroethane	ND		ug/kg	1500	--	4
Chloroform	ND		ug/kg	2200	--	4
Carbon tetrachloride	ND		ug/kg	1500	--	4
1,2-Dichloropropane	ND		ug/kg	1500	--	4
Dibromochloromethane	ND		ug/kg	1500	--	4
1,1,2-Trichloroethane	ND		ug/kg	1500	--	4
Tetrachloroethene	7300		ug/kg	730	--	4
Chlorobenzene	ND		ug/kg	730	--	4
Trichlorofluoromethane	ND		ug/kg	5900	--	4
1,2-Dichloroethane	ND		ug/kg	1500	--	4
1,1,1-Trichloroethane	ND		ug/kg	730	--	4
Bromodichloromethane	ND		ug/kg	730	--	4
trans-1,3-Dichloropropene	ND		ug/kg	1500	--	4
cis-1,3-Dichloropropene	ND		ug/kg	730	--	4
1,3-Dichloropropene, Total	ND		ug/kg	730	--	4
1,1-Dichloropropene	ND		ug/kg	730	--	4
Bromoform	ND		ug/kg	5900	--	4
1,1,2,2-Tetrachloroethane	ND		ug/kg	730	--	4
Benzene	ND		ug/kg	730	--	4
Toluene	64000		ug/kg	1500	--	4
Ethylbenzene	8500		ug/kg	1500	--	4
Chloromethane	ND		ug/kg	5900	--	4
Bromomethane	ND		ug/kg	2900	--	4
Vinyl chloride	ND		ug/kg	1500	--	4
Chloroethane	ND		ug/kg	2900	--	4
1,1-Dichloroethene	ND		ug/kg	1500	--	4
trans-1,2-Dichloroethene	ND		ug/kg	2200	--	4

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-04 D Date Collected: 07/22/19 11:20

Client ID: SB19-51(1.5-3) Date Received: 07/23/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	120000		ug/kg	730	--	4
1,2-Dichlorobenzene	38000		ug/kg	2900	--	4
1,3-Dichlorobenzene	3000		ug/kg	2900	--	4
1,4-Dichlorobenzene	14000		ug/kg	2900	--	4
Methyl tert butyl ether	ND		ug/kg	2900	--	4
p/m-Xylene	38000		ug/kg	2900	--	4
o-Xylene	9200		ug/kg	1500	--	4
Xylenes, Total	47000		ug/kg	1500	--	4
cis-1,2-Dichloroethene	300000		ug/kg	1500	--	4
1,2-Dichloroethene, Total	300000		ug/kg	1500	--	4
Dibromomethane	ND		ug/kg	2900	--	4
1,2,3-Trichloropropane	ND		ug/kg	2900	--	4
Styrene	ND		ug/kg	1500	--	4
Dichlorodifluoromethane	ND		ug/kg	15000	--	4
Acetone	ND		ug/kg	15000	--	4
Carbon disulfide	ND		ug/kg	15000	--	4
2-Butanone	ND		ug/kg	15000	--	4
4-Methyl-2-pentanone	ND		ug/kg	15000	--	4
2-Hexanone	ND		ug/kg	15000	--	4
Bromochloromethane	ND		ug/kg	2900	--	4
Tetrahydrofuran	ND		ug/kg	5900	--	4
2,2-Dichloropropane	ND		ug/kg	2900	--	4
1,2-Dibromoethane	ND		ug/kg	1500	--	4
1,1,1,2-Tetrachloroethane	ND		ug/kg	730	--	4
Bromobenzene	ND		ug/kg	2900	--	4
n-Butylbenzene	1800		ug/kg	1500	--	4
sec-Butylbenzene	ND		ug/kg	1500	--	4
tert-Butylbenzene	ND		ug/kg	2900	--	4
1,3,5-Trichlorobenzene	ND		ug/kg	2900	--	4
o-Chlorotoluene	ND		ug/kg	2900	--	4
p-Chlorotoluene	ND		ug/kg	2900	--	4
1,2-Dibromo-3-chloropropane	ND		ug/kg	4400	--	4
Hexachlorobutadiene	ND		ug/kg	5900	--	4
Isopropylbenzene	ND		ug/kg	1500	--	4
p-Isopropyltoluene	20000		ug/kg	1500	--	4
Naphthalene	ND		ug/kg	5900	--	4
n-Propylbenzene	2600		ug/kg	1500	--	4

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-04 D
Client ID: SB19-51(1.5-3)
Sample Location: SALEM, NH

Date Collected: 07/22/19 11:20
Date Received: 07/23/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	2900	--	4
1,2,4-Trichlorobenzene	ND		ug/kg	2900	--	4
1,3,5-Trimethylbenzene	4800		ug/kg	2900	--	4
1,2,4-Trimethylbenzene	13000		ug/kg	2900	--	4
Ethyl ether	ND		ug/kg	2900	--	4
Isopropyl Ether	ND		ug/kg	2900	--	4
Tert-Butyl Alcohol	ND		ug/kg	29000	--	4
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2900	--	4
Tertiary-Amyl Methyl Ether	ND		ug/kg	2900	--	4
1,4-Dioxane	ND		ug/kg	120000	--	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	100		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-06 Date Collected: 07/22/19 14:45
Client ID: SB19-52(12.5-15) Date Received: 07/23/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/30/19 02:02
Analyst: JC
Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.2	--	1
1,1-Dichloroethane	ND		ug/kg	0.83	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.83	--	1
1,2-Dichloropropane	ND		ug/kg	0.83	--	1
Dibromochloromethane	ND		ug/kg	0.83	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.83	--	1
Tetrachloroethene	ND		ug/kg	0.42	--	1
Chlorobenzene	ND		ug/kg	0.42	--	1
Trichlorofluoromethane	ND		ug/kg	3.3	--	1
1,2-Dichloroethane	ND		ug/kg	0.83	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.42	--	1
Bromodichloromethane	ND		ug/kg	0.42	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.83	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.42	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.42	--	1
1,1-Dichloropropene	ND		ug/kg	0.42	--	1
Bromoform	ND		ug/kg	3.3	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.42	--	1
Benzene	ND		ug/kg	0.42	--	1
Toluene	ND		ug/kg	0.83	--	1
Ethylbenzene	ND		ug/kg	0.83	--	1
Chloromethane	ND		ug/kg	3.3	--	1
Bromomethane	ND		ug/kg	1.7	--	1
Vinyl chloride	ND		ug/kg	0.83	--	1
Chloroethane	ND		ug/kg	1.7	--	1
1,1-Dichloroethene	ND		ug/kg	0.83	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-06 Date Collected: 07/22/19 14:45

Client ID: SB19-52(12.5-15) Date Received: 07/23/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.42	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.7	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.7	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.7	--	1
Methyl tert butyl ether	ND		ug/kg	1.7	--	1
p/m-Xylene	ND		ug/kg	1.7	--	1
o-Xylene	ND		ug/kg	0.83	--	1
Xylenes, Total	ND		ug/kg	0.83	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.83	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.83	--	1
Dibromomethane	ND		ug/kg	1.7	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.7	--	1
Styrene	ND		ug/kg	0.83	--	1
Dichlorodifluoromethane	ND		ug/kg	8.3	--	1
Acetone	ND		ug/kg	8.3	--	1
Carbon disulfide	ND		ug/kg	8.3	--	1
2-Butanone	ND		ug/kg	8.3	--	1
4-Methyl-2-pentanone	ND		ug/kg	8.3	--	1
2-Hexanone	ND		ug/kg	8.3	--	1
Bromochloromethane	ND		ug/kg	1.7	--	1
Tetrahydrofuran	ND		ug/kg	3.3	--	1
2,2-Dichloropropane	ND		ug/kg	1.7	--	1
1,2-Dibromoethane	ND		ug/kg	0.83	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.42	--	1
Bromobenzene	ND		ug/kg	1.7	--	1
n-Butylbenzene	ND		ug/kg	0.83	--	1
sec-Butylbenzene	ND		ug/kg	0.83	--	1
tert-Butylbenzene	ND		ug/kg	1.7	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.7	--	1
o-Chlorotoluene	ND		ug/kg	1.7	--	1
p-Chlorotoluene	ND		ug/kg	1.7	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.5	--	1
Hexachlorobutadiene	ND		ug/kg	3.3	--	1
Isopropylbenzene	ND		ug/kg	0.83	--	1
p-Isopropyltoluene	ND		ug/kg	0.83	--	1
Naphthalene	ND		ug/kg	3.3	--	1
n-Propylbenzene	ND		ug/kg	0.83	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-06 Date Collected: 07/22/19 14:45

Client ID: SB19-52(12.5-15) Date Received: 07/23/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.7	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.7	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.7	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.7	--	1
Ethyl ether	ND		ug/kg	1.7	--	1
Isopropyl Ether	ND		ug/kg	1.7	--	1
Tert-Butyl Alcohol	ND		ug/kg	17	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.7	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.7	--	1
1,4-Dioxane	ND		ug/kg	67	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	96		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-07 D
Client ID: SB19-53(2-4)
Sample Location: SALEM, NH

Date Collected: 07/22/19 10:00
Date Received: 07/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/29/19 20:09
Analyst: JC
Percent Solids: 38%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	120000	--	50
1,1-Dichloroethane	ND		ug/kg	24000	--	50
Chloroform	ND		ug/kg	36000	--	50
Carbon tetrachloride	ND		ug/kg	24000	--	50
1,2-Dichloropropane	ND		ug/kg	24000	--	50
Dibromochloromethane	ND		ug/kg	24000	--	50
1,1,2-Trichloroethane	ND		ug/kg	24000	--	50
Tetrachloroethene	140000		ug/kg	12000	--	50
Chlorobenzene	ND		ug/kg	12000	--	50
Trichlorofluoromethane	ND		ug/kg	96000	--	50
1,2-Dichloroethane	ND		ug/kg	24000	--	50
1,1,1-Trichloroethane	ND		ug/kg	12000	--	50
Bromodichloromethane	ND		ug/kg	12000	--	50
trans-1,3-Dichloropropene	ND		ug/kg	24000	--	50
cis-1,3-Dichloropropene	ND		ug/kg	12000	--	50
1,3-Dichloropropene, Total	ND		ug/kg	12000	--	50
1,1-Dichloropropene	ND		ug/kg	12000	--	50
Bromoform	ND		ug/kg	96000	--	50
1,1,2,2-Tetrachloroethane	ND		ug/kg	12000	--	50
Benzene	ND		ug/kg	12000	--	50
Toluene	380000		ug/kg	24000	--	50
Ethylbenzene	54000		ug/kg	24000	--	50
Chloromethane	ND		ug/kg	96000	--	50
Bromomethane	ND		ug/kg	48000	--	50
Vinyl chloride	ND		ug/kg	24000	--	50
Chloroethane	ND		ug/kg	48000	--	50
1,1-Dichloroethene	ND		ug/kg	24000	--	50
trans-1,2-Dichloroethene	ND		ug/kg	36000	--	50

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-07 D Date Collected: 07/22/19 10:00

Client ID: SB19-53(2-4) Date Received: 07/23/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	3600000		ug/kg	12000	--	50
1,2-Dichlorobenzene	150000		ug/kg	48000	--	50
1,3-Dichlorobenzene	ND		ug/kg	48000	--	50
1,4-Dichlorobenzene	60000		ug/kg	48000	--	50
Methyl tert butyl ether	ND		ug/kg	48000	--	50
p/m-Xylene	250000		ug/kg	48000	--	50
o-Xylene	53000		ug/kg	24000	--	50
Xylenes, Total	300000		ug/kg	24000	--	50
cis-1,2-Dichloroethene	1300000		ug/kg	24000	--	50
1,2-Dichloroethene, Total	1300000		ug/kg	24000	--	50
Dibromomethane	ND		ug/kg	48000	--	50
1,2,3-Trichloropropane	ND		ug/kg	48000	--	50
Styrene	ND		ug/kg	24000	--	50
Dichlorodifluoromethane	ND		ug/kg	240000	--	50
Acetone	ND		ug/kg	240000	--	50
Carbon disulfide	ND		ug/kg	240000	--	50
2-Butanone	ND		ug/kg	240000	--	50
4-Methyl-2-pentanone	ND		ug/kg	240000	--	50
2-Hexanone	ND		ug/kg	240000	--	50
Bromochloromethane	ND		ug/kg	48000	--	50
Tetrahydrofuran	ND		ug/kg	96000	--	50
2,2-Dichloropropane	ND		ug/kg	48000	--	50
1,2-Dibromoethane	ND		ug/kg	24000	--	50
1,1,1,2-Tetrachloroethane	ND		ug/kg	12000	--	50
Bromobenzene	ND		ug/kg	48000	--	50
n-Butylbenzene	ND		ug/kg	24000	--	50
sec-Butylbenzene	ND		ug/kg	24000	--	50
tert-Butylbenzene	ND		ug/kg	48000	--	50
1,3,5-Trichlorobenzene	ND		ug/kg	48000	--	50
o-Chlorotoluene	ND		ug/kg	48000	--	50
p-Chlorotoluene	ND		ug/kg	48000	--	50
1,2-Dibromo-3-chloropropane	ND		ug/kg	72000	--	50
Hexachlorobutadiene	ND		ug/kg	96000	--	50
Isopropylbenzene	ND		ug/kg	24000	--	50
p-Isopropyltoluene	57000		ug/kg	24000	--	50
Naphthalene	ND		ug/kg	96000	--	50
n-Propylbenzene	ND		ug/kg	24000	--	50

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-07 D Date Collected: 07/22/19 10:00

Client ID: SB19-53(2-4) Date Received: 07/23/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	48000	--	50
1,2,4-Trichlorobenzene	ND		ug/kg	48000	--	50
1,3,5-Trimethylbenzene	ND		ug/kg	48000	--	50
1,2,4-Trimethylbenzene	ND		ug/kg	48000	--	50
Ethyl ether	ND		ug/kg	48000	--	50
Isopropyl Ether	ND		ug/kg	48000	--	50
Tert-Butyl Alcohol	ND		ug/kg	480000	--	50
Ethyl-Tert-Butyl-Ether	ND		ug/kg	48000	--	50
Tertiary-Amyl Methyl Ether	ND		ug/kg	48000	--	50
1,4-Dioxane	ND		ug/kg	1900000	--	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	102		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-08 Date Collected: 07/19/19 00:00
Client ID: TRIP BLANK Date Received: 07/23/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Trip Blank (Soil)
Analytical Method: 1,8260C
Analytical Date: 08/01/19 13:12
Analyst: JC
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	250	--	1
1,1-Dichloroethane	ND		ug/kg	50	--	1
Chloroform	ND		ug/kg	75	--	1
Carbon tetrachloride	ND		ug/kg	50	--	1
1,2-Dichloropropane	ND		ug/kg	50	--	1
Dibromochloromethane	ND		ug/kg	50	--	1
1,1,2-Trichloroethane	ND		ug/kg	50	--	1
Tetrachloroethene	ND		ug/kg	25	--	1
Chlorobenzene	ND		ug/kg	25	--	1
Trichlorofluoromethane	ND		ug/kg	200	--	1
1,2-Dichloroethane	ND		ug/kg	50	--	1
1,1,1-Trichloroethane	ND		ug/kg	25	--	1
Bromodichloromethane	ND		ug/kg	25	--	1
trans-1,3-Dichloropropene	ND		ug/kg	50	--	1
cis-1,3-Dichloropropene	ND		ug/kg	25	--	1
1,3-Dichloropropene, Total	ND		ug/kg	25	--	1
1,1-Dichloropropene	ND		ug/kg	25	--	1
Bromoform	ND		ug/kg	200	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	--	1
Benzene	ND		ug/kg	25	--	1
Toluene	ND		ug/kg	50	--	1
Ethylbenzene	ND		ug/kg	50	--	1
Chloromethane	ND		ug/kg	200	--	1
Bromomethane	ND		ug/kg	100	--	1
Vinyl chloride	ND		ug/kg	50	--	1
Chloroethane	ND		ug/kg	100	--	1
1,1-Dichloroethene	ND		ug/kg	50	--	1
trans-1,2-Dichloroethene	ND		ug/kg	75	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-08 Date Collected: 07/19/19 00:00

Client ID: TRIP BLANK Date Received: 07/23/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	25	--	1
1,2-Dichlorobenzene	ND		ug/kg	100	--	1
1,3-Dichlorobenzene	ND		ug/kg	100	--	1
1,4-Dichlorobenzene	ND		ug/kg	100	--	1
Methyl tert butyl ether	ND		ug/kg	100	--	1
p/m-Xylene	ND		ug/kg	100	--	1
o-Xylene	ND		ug/kg	50	--	1
Xylenes, Total	ND		ug/kg	50	--	1
cis-1,2-Dichloroethene	ND		ug/kg	50	--	1
1,2-Dichloroethene, Total	ND		ug/kg	50	--	1
Dibromomethane	ND		ug/kg	100	--	1
1,2,3-Trichloropropane	ND		ug/kg	100	--	1
Styrene	ND		ug/kg	50	--	1
Dichlorodifluoromethane	ND		ug/kg	500	--	1
Acetone	ND		ug/kg	500	--	1
Carbon disulfide	ND		ug/kg	500	--	1
2-Butanone	ND		ug/kg	500	--	1
4-Methyl-2-pentanone	ND		ug/kg	500	--	1
2-Hexanone	ND		ug/kg	500	--	1
Bromochloromethane	ND		ug/kg	100	--	1
Tetrahydrofuran	ND		ug/kg	200	--	1
2,2-Dichloropropane	ND		ug/kg	100	--	1
1,2-Dibromoethane	ND		ug/kg	50	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	--	1
Bromobenzene	ND		ug/kg	100	--	1
n-Butylbenzene	ND		ug/kg	50	--	1
sec-Butylbenzene	ND		ug/kg	50	--	1
tert-Butylbenzene	ND		ug/kg	100	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	100	--	1
o-Chlorotoluene	ND		ug/kg	100	--	1
p-Chlorotoluene	ND		ug/kg	100	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	--	1
Hexachlorobutadiene	ND		ug/kg	200	--	1
Isopropylbenzene	ND		ug/kg	50	--	1
p-Isopropyltoluene	ND		ug/kg	50	--	1
Naphthalene	ND		ug/kg	200	--	1
n-Propylbenzene	ND		ug/kg	50	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-08 Date Collected: 07/19/19 00:00

Client ID: TRIP BLANK Date Received: 07/23/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	100	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	100	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	100	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	100	--	1
Ethyl ether	ND		ug/kg	100	--	1
Isopropyl Ether	ND		ug/kg	100	--	1
Tert-Butyl Alcohol	ND		ug/kg	1000	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	100	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	100	--	1
1,4-Dioxane	ND		ug/kg	4000	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	94		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-08 Date Collected: 07/19/19 00:00
Client ID: TRIP BLANK Date Received: 07/23/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Trip Blank (Soil)
Analytical Method: 1,8260C
Analytical Date: 08/01/19 13:29
Analyst: JC
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	--	1
1,1-Dichloroethane	ND		ug/kg	1.0	--	1
Chloroform	ND		ug/kg	1.5	--	1
Carbon tetrachloride	ND		ug/kg	1.0	--	1
1,2-Dichloropropane	ND		ug/kg	1.0	--	1
Dibromochloromethane	ND		ug/kg	1.0	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	--	1
Tetrachloroethene	ND		ug/kg	0.50	--	1
Chlorobenzene	ND		ug/kg	0.50	--	1
Trichlorofluoromethane	ND		ug/kg	4.0	--	1
1,2-Dichloroethane	ND		ug/kg	1.0	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	--	1
Bromodichloromethane	ND		ug/kg	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--	1
1,1-Dichloropropene	ND		ug/kg	0.50	--	1
Bromoform	ND		ug/kg	4.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--	1
Benzene	ND		ug/kg	0.50	--	1
Toluene	ND		ug/kg	1.0	--	1
Ethylbenzene	ND		ug/kg	1.0	--	1
Chloromethane	ND		ug/kg	4.0	--	1
Bromomethane	ND		ug/kg	2.0	--	1
Vinyl chloride	ND		ug/kg	1.0	--	1
Chloroethane	ND		ug/kg	2.0	--	1
1,1-Dichloroethene	ND		ug/kg	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-08 Date Collected: 07/19/19 00:00

Client ID: TRIP BLANK Date Received: 07/23/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.50	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	--	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	--	1
Methyl tert butyl ether	ND		ug/kg	2.0	--	1
p/m-Xylene	ND		ug/kg	2.0	--	1
o-Xylene	ND		ug/kg	1.0	--	1
Xylenes, Total	ND		ug/kg	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--	1
Dibromomethane	ND		ug/kg	2.0	--	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	--	1
Styrene	ND		ug/kg	1.0	--	1
Dichlorodifluoromethane	ND		ug/kg	10	--	1
Acetone	28		ug/kg	10	--	1
Carbon disulfide	ND		ug/kg	10	--	1
2-Butanone	ND		ug/kg	10	--	1
4-Methyl-2-pentanone	ND		ug/kg	10	--	1
2-Hexanone	ND		ug/kg	10	--	1
Bromochloromethane	ND		ug/kg	2.0	--	1
Tetrahydrofuran	ND		ug/kg	4.0	--	1
2,2-Dichloropropane	ND		ug/kg	2.0	--	1
1,2-Dibromoethane	ND		ug/kg	1.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--	1
Bromobenzene	ND		ug/kg	2.0	--	1
n-Butylbenzene	ND		ug/kg	1.0	--	1
sec-Butylbenzene	ND		ug/kg	1.0	--	1
tert-Butylbenzene	ND		ug/kg	2.0	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	2.0	--	1
o-Chlorotoluene	ND		ug/kg	2.0	--	1
p-Chlorotoluene	ND		ug/kg	2.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--	1
Hexachlorobutadiene	ND		ug/kg	4.0	--	1
Isopropylbenzene	ND		ug/kg	1.0	--	1
p-Isopropyltoluene	ND		ug/kg	1.0	--	1
Naphthalene	ND		ug/kg	4.0	--	1
n-Propylbenzene	ND		ug/kg	1.0	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-08 Date Collected: 07/19/19 00:00

Client ID: TRIP BLANK Date Received: 07/23/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--	1
Ethyl ether	ND		ug/kg	2.0	--	1
Isopropyl Ether	ND		ug/kg	2.0	--	1
Tert-Butyl Alcohol	37		ug/kg	20	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--	1
1,4-Dioxane	ND		ug/kg	80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	105		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-09
Client ID: SB19-54(22.5-25)
Sample Location: SALEM, NH

Date Collected: 07/23/19 09:30
Date Received: 07/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/30/19 13:21
Analyst: MV
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	710	--	1
1,1-Dichloroethane	320		ug/kg	140	--	1
Chloroform	ND		ug/kg	210	--	1
Carbon tetrachloride	ND		ug/kg	140	--	1
1,2-Dichloropropane	ND		ug/kg	140	--	1
Dibromochloromethane	ND		ug/kg	140	--	1
1,1,2-Trichloroethane	ND		ug/kg	140	--	1
Tetrachloroethene	ND		ug/kg	71	--	1
Chlorobenzene	ND		ug/kg	71	--	1
Trichlorofluoromethane	ND		ug/kg	560	--	1
1,2-Dichloroethane	ND		ug/kg	140	--	1
1,1,1-Trichloroethane	400		ug/kg	71	--	1
Bromodichloromethane	ND		ug/kg	71	--	1
trans-1,3-Dichloropropene	ND		ug/kg	140	--	1
cis-1,3-Dichloropropene	ND		ug/kg	71	--	1
1,3-Dichloropropene, Total	ND		ug/kg	70	--	1
1,1-Dichloropropene	ND		ug/kg	71	--	1
Bromoform	ND		ug/kg	560	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	71	--	1
Benzene	ND		ug/kg	71	--	1
Toluene	480		ug/kg	140	--	1
Ethylbenzene	ND		ug/kg	140	--	1
Chloromethane	ND		ug/kg	560	--	1
Bromomethane	ND		ug/kg	280	--	1
Vinyl chloride	200		ug/kg	140	--	1
Chloroethane	ND		ug/kg	280	--	1
1,1-Dichloroethene	ND		ug/kg	140	--	1
trans-1,2-Dichloroethene	ND		ug/kg	210	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-09 Date Collected: 07/23/19 09:30

Client ID: SB19-54(22.5-25) Date Received: 07/23/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	71	--	1
1,2-Dichlorobenzene	ND		ug/kg	280	--	1
1,3-Dichlorobenzene	ND		ug/kg	280	--	1
1,4-Dichlorobenzene	ND		ug/kg	280	--	1
Methyl tert butyl ether	ND		ug/kg	280	--	1
p/m-Xylene	ND		ug/kg	280	--	1
o-Xylene	ND		ug/kg	140	--	1
Xylenes, Total	ND		ug/kg	140	--	1
cis-1,2-Dichloroethene	34000		ug/kg	140	--	1
1,2-Dichloroethene, Total	34000		ug/kg	140	--	1
Dibromomethane	ND		ug/kg	280	--	1
1,2,3-Trichloropropane	ND		ug/kg	280	--	1
Styrene	ND		ug/kg	140	--	1
Dichlorodifluoromethane	ND		ug/kg	1400	--	1
Acetone	ND		ug/kg	1400	--	1
Carbon disulfide	ND		ug/kg	1400	--	1
2-Butanone	ND		ug/kg	1400	--	1
4-Methyl-2-pentanone	ND		ug/kg	1400	--	1
2-Hexanone	ND		ug/kg	1400	--	1
Bromochloromethane	ND		ug/kg	280	--	1
Tetrahydrofuran	ND		ug/kg	560	--	1
2,2-Dichloropropane	ND		ug/kg	280	--	1
1,2-Dibromoethane	ND		ug/kg	140	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	71	--	1
Bromobenzene	ND		ug/kg	280	--	1
n-Butylbenzene	ND		ug/kg	140	--	1
sec-Butylbenzene	ND		ug/kg	140	--	1
tert-Butylbenzene	ND		ug/kg	280	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	280	--	1
o-Chlorotoluene	ND		ug/kg	280	--	1
p-Chlorotoluene	ND		ug/kg	280	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	420	--	1
Hexachlorobutadiene	ND		ug/kg	560	--	1
Isopropylbenzene	ND		ug/kg	140	--	1
p-Isopropyltoluene	ND		ug/kg	140	--	1
Naphthalene	ND		ug/kg	560	--	1
n-Propylbenzene	ND		ug/kg	140	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-09 Date Collected: 07/23/19 09:30

Client ID: SB19-54(22.5-25) Date Received: 07/23/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	280	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	280	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	280	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	280	--	1
Ethyl ether	ND		ug/kg	280	--	1
Isopropyl Ether	ND		ug/kg	280	--	1
Tert-Butyl Alcohol	ND		ug/kg	2800	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	280	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	280	--	1
1,4-Dioxane	ND		ug/kg	11000	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-11 Date Collected: 07/23/19 11:20
Client ID: SB19-55(20-22.5) Date Received: 07/23/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/30/19 09:26
Analyst: MV
Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	670	--	1
1,1-Dichloroethane	340		ug/kg	130	--	1
Chloroform	ND		ug/kg	200	--	1
Carbon tetrachloride	ND		ug/kg	130	--	1
1,2-Dichloropropane	ND		ug/kg	130	--	1
Dibromochloromethane	ND		ug/kg	130	--	1
1,1,2-Trichloroethane	ND		ug/kg	130	--	1
Tetrachloroethene	ND		ug/kg	67	--	1
Chlorobenzene	ND		ug/kg	67	--	1
Trichlorofluoromethane	ND		ug/kg	530	--	1
1,2-Dichloroethane	ND		ug/kg	130	--	1
1,1,1-Trichloroethane	590		ug/kg	67	--	1
Bromodichloromethane	ND		ug/kg	67	--	1
trans-1,3-Dichloropropene	ND		ug/kg	130	--	1
cis-1,3-Dichloropropene	ND		ug/kg	67	--	1
1,3-Dichloropropene, Total	ND		ug/kg	67	--	1
1,1-Dichloropropene	ND		ug/kg	67	--	1
Bromoform	ND		ug/kg	530	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	67	--	1
Benzene	ND		ug/kg	67	--	1
Toluene	1000		ug/kg	130	--	1
Ethylbenzene	780		ug/kg	130	--	1
Chloromethane	ND		ug/kg	530	--	1
Bromomethane	ND		ug/kg	270	--	1
Vinyl chloride	ND		ug/kg	130	--	1
Chloroethane	ND		ug/kg	270	--	1
1,1-Dichloroethene	ND		ug/kg	130	--	1
trans-1,2-Dichloroethene	ND		ug/kg	200	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-11 Date Collected: 07/23/19 11:20

Client ID: SB19-55(20-22.5) Date Received: 07/23/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	190		ug/kg	67	--	1
1,2-Dichlorobenzene	ND		ug/kg	270	--	1
1,3-Dichlorobenzene	ND		ug/kg	270	--	1
1,4-Dichlorobenzene	ND		ug/kg	270	--	1
Methyl tert butyl ether	ND		ug/kg	270	--	1
p/m-Xylene	4100		ug/kg	270	--	1
o-Xylene	740		ug/kg	130	--	1
Xylenes, Total	4800		ug/kg	130	--	1
cis-1,2-Dichloroethene	19000		ug/kg	130	--	1
1,2-Dichloroethene, Total	19000		ug/kg	130	--	1
Dibromomethane	ND		ug/kg	270	--	1
1,2,3-Trichloropropane	ND		ug/kg	270	--	1
Styrene	ND		ug/kg	130	--	1
Dichlorodifluoromethane	ND		ug/kg	1300	--	1
Acetone	ND		ug/kg	1300	--	1
Carbon disulfide	ND		ug/kg	1300	--	1
2-Butanone	ND		ug/kg	1300	--	1
4-Methyl-2-pentanone	ND		ug/kg	1300	--	1
2-Hexanone	ND		ug/kg	1300	--	1
Bromochloromethane	ND		ug/kg	270	--	1
Tetrahydrofuran	ND		ug/kg	530	--	1
2,2-Dichloropropane	ND		ug/kg	270	--	1
1,2-Dibromoethane	ND		ug/kg	130	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	67	--	1
Bromobenzene	ND		ug/kg	270	--	1
n-Butylbenzene	ND		ug/kg	130	--	1
sec-Butylbenzene	ND		ug/kg	130	--	1
tert-Butylbenzene	ND		ug/kg	270	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	270	--	1
o-Chlorotoluene	ND		ug/kg	270	--	1
p-Chlorotoluene	ND		ug/kg	270	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	400	--	1
Hexachlorobutadiene	ND		ug/kg	530	--	1
Isopropylbenzene	ND		ug/kg	130	--	1
p-Isopropyltoluene	ND		ug/kg	130	--	1
Naphthalene	ND		ug/kg	530	--	1
n-Propylbenzene	ND		ug/kg	130	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-11 Date Collected: 07/23/19 11:20

Client ID: SB19-55(20-22.5) Date Received: 07/23/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	270	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	270	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	270	--	1
1,2,4-Trimethylbenzene	380		ug/kg	270	--	1
Ethyl ether	ND		ug/kg	270	--	1
Isopropyl Ether	ND		ug/kg	270	--	1
Tert-Butyl Alcohol	ND		ug/kg	2700	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	270	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	270	--	1
1,4-Dioxane	ND		ug/kg	11000	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	97		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-12
Client ID: SB19-55(32.5-35)
Sample Location: SALEM, NH

Date Collected: 07/23/19 11:35
Date Received: 07/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/30/19 02:27
Analyst: JC
Percent Solids: 74%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.1	--	1
1,1-Dichloroethane	ND		ug/kg	0.82	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.82	--	1
1,2-Dichloropropane	ND		ug/kg	0.82	--	1
Dibromochloromethane	ND		ug/kg	0.82	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.82	--	1
Tetrachloroethene	ND		ug/kg	0.41	--	1
Chlorobenzene	ND		ug/kg	0.41	--	1
Trichlorofluoromethane	ND		ug/kg	3.3	--	1
1,2-Dichloroethane	ND		ug/kg	0.82	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.41	--	1
Bromodichloromethane	ND		ug/kg	0.41	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.82	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.41	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.41	--	1
1,1-Dichloropropene	ND		ug/kg	0.41	--	1
Bromoform	ND		ug/kg	3.3	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.41	--	1
Benzene	ND		ug/kg	0.41	--	1
Toluene	ND		ug/kg	0.82	--	1
Ethylbenzene	ND		ug/kg	0.82	--	1
Chloromethane	ND		ug/kg	3.3	--	1
Bromomethane	ND		ug/kg	1.6	--	1
Vinyl chloride	ND		ug/kg	0.82	--	1
Chloroethane	ND		ug/kg	1.6	--	1
1,1-Dichloroethene	ND		ug/kg	0.82	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-12 Date Collected: 07/23/19 11:35

Client ID: SB19-55(32.5-35) Date Received: 07/23/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	5.7		ug/kg	0.41	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.6	--	1
Methyl tert butyl ether	ND		ug/kg	1.6	--	1
p/m-Xylene	ND		ug/kg	1.6	--	1
o-Xylene	ND		ug/kg	0.82	--	1
Xylenes, Total	ND		ug/kg	0.82	--	1
cis-1,2-Dichloroethene	1.3		ug/kg	0.82	--	1
1,2-Dichloroethene, Total	1.3		ug/kg	0.82	--	1
Dibromomethane	ND		ug/kg	1.6	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.6	--	1
Styrene	ND		ug/kg	0.82	--	1
Dichlorodifluoromethane	ND		ug/kg	8.2	--	1
Acetone	19		ug/kg	8.2	--	1
Carbon disulfide	ND		ug/kg	8.2	--	1
2-Butanone	ND		ug/kg	8.2	--	1
4-Methyl-2-pentanone	ND		ug/kg	8.2	--	1
2-Hexanone	ND		ug/kg	8.2	--	1
Bromochloromethane	ND		ug/kg	1.6	--	1
Tetrahydrofuran	ND		ug/kg	3.3	--	1
2,2-Dichloropropane	ND		ug/kg	1.6	--	1
1,2-Dibromoethane	ND		ug/kg	0.82	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.41	--	1
Bromobenzene	ND		ug/kg	1.6	--	1
n-Butylbenzene	ND		ug/kg	0.82	--	1
sec-Butylbenzene	ND		ug/kg	0.82	--	1
tert-Butylbenzene	ND		ug/kg	1.6	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.6	--	1
o-Chlorotoluene	ND		ug/kg	1.6	--	1
p-Chlorotoluene	ND		ug/kg	1.6	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.4	--	1
Hexachlorobutadiene	ND		ug/kg	3.3	--	1
Isopropylbenzene	ND		ug/kg	0.82	--	1
p-Isopropyltoluene	ND		ug/kg	0.82	--	1
Naphthalene	ND		ug/kg	3.3	--	1
n-Propylbenzene	ND		ug/kg	0.82	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-12 Date Collected: 07/23/19 11:35

Client ID: SB19-55(32.5-35) Date Received: 07/23/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.6	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.6	--	1
Ethyl ether	ND		ug/kg	1.6	--	1
Isopropyl Ether	ND		ug/kg	1.6	--	1
Tert-Butyl Alcohol	ND		ug/kg	16	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.6	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.6	--	1
1,4-Dioxane	ND		ug/kg	65	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	98		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-13
Client ID: SB19-56(17.5-20)
Sample Location: SALEM, NH

Date Collected: 07/23/19 13:50
Date Received: 07/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/30/19 09:52
Analyst: MV
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	690	--	1
1,1-Dichloroethane	180		ug/kg	140	--	1
Chloroform	ND		ug/kg	210	--	1
Carbon tetrachloride	ND		ug/kg	140	--	1
1,2-Dichloropropane	ND		ug/kg	140	--	1
Dibromochloromethane	ND		ug/kg	140	--	1
1,1,2-Trichloroethane	ND		ug/kg	140	--	1
Tetrachloroethene	ND		ug/kg	69	--	1
Chlorobenzene	ND		ug/kg	69	--	1
Trichlorofluoromethane	ND		ug/kg	550	--	1
1,2-Dichloroethane	ND		ug/kg	140	--	1
1,1,1-Trichloroethane	790		ug/kg	69	--	1
Bromodichloromethane	ND		ug/kg	69	--	1
trans-1,3-Dichloropropene	ND		ug/kg	140	--	1
cis-1,3-Dichloropropene	ND		ug/kg	69	--	1
1,3-Dichloropropene, Total	ND		ug/kg	69	--	1
1,1-Dichloropropene	ND		ug/kg	69	--	1
Bromoform	ND		ug/kg	550	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	69	--	1
Benzene	ND		ug/kg	69	--	1
Toluene	340		ug/kg	140	--	1
Ethylbenzene	ND		ug/kg	140	--	1
Chloromethane	ND		ug/kg	550	--	1
Bromomethane	ND		ug/kg	270	--	1
Vinyl chloride	280		ug/kg	140	--	1
Chloroethane	ND		ug/kg	270	--	1
1,1-Dichloroethene	ND		ug/kg	140	--	1
trans-1,2-Dichloroethene	ND		ug/kg	210	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-13 Date Collected: 07/23/19 13:50

Client ID: SB19-56(17.5-20) Date Received: 07/23/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	69	--	1
1,2-Dichlorobenzene	ND		ug/kg	270	--	1
1,3-Dichlorobenzene	ND		ug/kg	270	--	1
1,4-Dichlorobenzene	ND		ug/kg	270	--	1
Methyl tert butyl ether	ND		ug/kg	270	--	1
p/m-Xylene	ND		ug/kg	270	--	1
o-Xylene	ND		ug/kg	140	--	1
Xylenes, Total	ND		ug/kg	140	--	1
cis-1,2-Dichloroethene	17000		ug/kg	140	--	1
1,2-Dichloroethene, Total	17000		ug/kg	140	--	1
Dibromomethane	ND		ug/kg	270	--	1
1,2,3-Trichloropropane	ND		ug/kg	270	--	1
Styrene	ND		ug/kg	140	--	1
Dichlorodifluoromethane	ND		ug/kg	1400	--	1
Acetone	ND		ug/kg	1400	--	1
Carbon disulfide	ND		ug/kg	1400	--	1
2-Butanone	ND		ug/kg	1400	--	1
4-Methyl-2-pentanone	ND		ug/kg	1400	--	1
2-Hexanone	ND		ug/kg	1400	--	1
Bromochloromethane	ND		ug/kg	270	--	1
Tetrahydrofuran	ND		ug/kg	550	--	1
2,2-Dichloropropane	ND		ug/kg	270	--	1
1,2-Dibromoethane	ND		ug/kg	140	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	69	--	1
Bromobenzene	ND		ug/kg	270	--	1
n-Butylbenzene	ND		ug/kg	140	--	1
sec-Butylbenzene	ND		ug/kg	140	--	1
tert-Butylbenzene	ND		ug/kg	270	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	270	--	1
o-Chlorotoluene	ND		ug/kg	270	--	1
p-Chlorotoluene	ND		ug/kg	270	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	410	--	1
Hexachlorobutadiene	ND		ug/kg	550	--	1
Isopropylbenzene	ND		ug/kg	140	--	1
p-Isopropyltoluene	ND		ug/kg	140	--	1
Naphthalene	ND		ug/kg	550	--	1
n-Propylbenzene	ND		ug/kg	140	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-13 Date Collected: 07/23/19 13:50

Client ID: SB19-56(17.5-20) Date Received: 07/23/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	270	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	270	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	270	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	270	--	1
Ethyl ether	ND		ug/kg	270	--	1
Isopropyl Ether	ND		ug/kg	270	--	1
Tert-Butyl Alcohol	ND		ug/kg	2700	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	270	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	270	--	1
1,4-Dioxane	ND		ug/kg	11000	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	98		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-14 Date Collected: 07/23/19 14:30
Client ID: SB19-57(15-17.5) Date Received: 07/23/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/29/19 21:52
Analyst: JC
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	660	--	1
1,1-Dichloroethane	180		ug/kg	130	--	1
Chloroform	ND		ug/kg	200	--	1
Carbon tetrachloride	ND		ug/kg	130	--	1
1,2-Dichloropropane	ND		ug/kg	130	--	1
Dibromochloromethane	ND		ug/kg	130	--	1
1,1,2-Trichloroethane	ND		ug/kg	130	--	1
Tetrachloroethene	ND		ug/kg	66	--	1
Chlorobenzene	ND		ug/kg	66	--	1
Trichlorofluoromethane	ND		ug/kg	530	--	1
1,2-Dichloroethane	ND		ug/kg	130	--	1
1,1,1-Trichloroethane	550		ug/kg	66	--	1
Bromodichloromethane	ND		ug/kg	66	--	1
trans-1,3-Dichloropropene	ND		ug/kg	130	--	1
cis-1,3-Dichloropropene	ND		ug/kg	66	--	1
1,3-Dichloropropene, Total	ND		ug/kg	66	--	1
1,1-Dichloropropene	ND		ug/kg	66	--	1
Bromoform	ND		ug/kg	530	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	66	--	1
Benzene	ND		ug/kg	66	--	1
Toluene	350		ug/kg	130	--	1
Ethylbenzene	ND		ug/kg	130	--	1
Chloromethane	ND		ug/kg	530	--	1
Bromomethane	ND		ug/kg	260	--	1
Vinyl chloride	ND		ug/kg	130	--	1
Chloroethane	ND		ug/kg	260	--	1
1,1-Dichloroethene	ND		ug/kg	130	--	1
trans-1,2-Dichloroethene	ND		ug/kg	200	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-14 Date Collected: 07/23/19 14:30

Client ID: SB19-57(15-17.5) Date Received: 07/23/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	66	--	1
1,2-Dichlorobenzene	ND		ug/kg	260	--	1
1,3-Dichlorobenzene	ND		ug/kg	260	--	1
1,4-Dichlorobenzene	ND		ug/kg	260	--	1
Methyl tert butyl ether	ND		ug/kg	260	--	1
p/m-Xylene	260		ug/kg	260	--	1
o-Xylene	ND		ug/kg	130	--	1
Xylenes, Total	260		ug/kg	130	--	1
cis-1,2-Dichloroethene	17000		ug/kg	130	--	1
1,2-Dichloroethene, Total	17000		ug/kg	130	--	1
Dibromomethane	ND		ug/kg	260	--	1
1,2,3-Trichloropropane	ND		ug/kg	260	--	1
Styrene	ND		ug/kg	130	--	1
Dichlorodifluoromethane	ND		ug/kg	1300	--	1
Acetone	ND		ug/kg	1300	--	1
Carbon disulfide	ND		ug/kg	1300	--	1
2-Butanone	ND		ug/kg	1300	--	1
4-Methyl-2-pentanone	ND		ug/kg	1300	--	1
2-Hexanone	ND		ug/kg	1300	--	1
Bromochloromethane	ND		ug/kg	260	--	1
Tetrahydrofuran	ND		ug/kg	530	--	1
2,2-Dichloropropane	ND		ug/kg	260	--	1
1,2-Dibromoethane	ND		ug/kg	130	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	66	--	1
Bromobenzene	ND		ug/kg	260	--	1
n-Butylbenzene	ND		ug/kg	130	--	1
sec-Butylbenzene	ND		ug/kg	130	--	1
tert-Butylbenzene	ND		ug/kg	260	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	260	--	1
o-Chlorotoluene	ND		ug/kg	260	--	1
p-Chlorotoluene	ND		ug/kg	260	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	400	--	1
Hexachlorobutadiene	ND		ug/kg	530	--	1
Isopropylbenzene	ND		ug/kg	130	--	1
p-Isopropyltoluene	ND		ug/kg	130	--	1
Naphthalene	ND		ug/kg	530	--	1
n-Propylbenzene	ND		ug/kg	130	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-14 Date Collected: 07/23/19 14:30

Client ID: SB19-57(15-17.5) Date Received: 07/23/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	260	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	260	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	260	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	260	--	1
Ethyl ether	ND		ug/kg	260	--	1
Isopropyl Ether	ND		ug/kg	260	--	1
Tert-Butyl Alcohol	ND		ug/kg	2600	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	260	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	260	--	1
1,4-Dioxane	ND		ug/kg	10000	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	100		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-15 D
Client ID: SB19-58(10-12)
Sample Location: SALEM, NH

Date Collected: 07/23/19 15:30
Date Received: 07/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/30/19 14:40
Analyst: MKS
Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	580	--	2
1,1-Dichloroethane	ND		ug/kg	120	--	2
Chloroform	ND		ug/kg	170	--	2
Carbon tetrachloride	ND		ug/kg	120	--	2
1,2-Dichloropropane	ND		ug/kg	120	--	2
Dibromochloromethane	ND		ug/kg	120	--	2
1,1,2-Trichloroethane	ND		ug/kg	120	--	2
Tetrachloroethene	ND		ug/kg	58	--	2
Chlorobenzene	ND		ug/kg	58	--	2
Trichlorofluoromethane	ND		ug/kg	460	--	2
1,2-Dichloroethane	ND		ug/kg	120	--	2
1,1,1-Trichloroethane	1200		ug/kg	58	--	2
Bromodichloromethane	ND		ug/kg	58	--	2
trans-1,3-Dichloropropene	ND		ug/kg	120	--	2
cis-1,3-Dichloropropene	ND		ug/kg	58	--	2
1,3-Dichloropropene, Total	ND		ug/kg	58	--	2
1,1-Dichloropropene	ND		ug/kg	58	--	2
Bromoform	ND		ug/kg	460	--	2
1,1,2,2-Tetrachloroethane	ND		ug/kg	58	--	2
Benzene	ND		ug/kg	58	--	2
Toluene	ND		ug/kg	120	--	2
Ethylbenzene	ND		ug/kg	120	--	2
Chloromethane	ND		ug/kg	460	--	2
Bromomethane	ND		ug/kg	230	--	2
Vinyl chloride	ND		ug/kg	120	--	2
Chloroethane	ND		ug/kg	230	--	2
1,1-Dichloroethene	ND		ug/kg	120	--	2
trans-1,2-Dichloroethene	ND		ug/kg	170	--	2

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-15 D Date Collected: 07/23/19 15:30
Client ID: SB19-58(10-12) Date Received: 07/23/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	19000		ug/kg	58	--	2
1,2-Dichlorobenzene	ND		ug/kg	230	--	2
1,3-Dichlorobenzene	ND		ug/kg	230	--	2
1,4-Dichlorobenzene	ND		ug/kg	230	--	2
Methyl tert butyl ether	ND		ug/kg	230	--	2
p/m-Xylene	ND		ug/kg	230	--	2
o-Xylene	ND		ug/kg	120	--	2
Xylenes, Total	ND		ug/kg	120	--	2
cis-1,2-Dichloroethene	1400		ug/kg	120	--	2
1,2-Dichloroethene, Total	1400		ug/kg	120	--	2
Dibromomethane	ND		ug/kg	230	--	2
1,2,3-Trichloropropane	ND		ug/kg	230	--	2
Styrene	ND		ug/kg	120	--	2
Dichlorodifluoromethane	ND		ug/kg	1200	--	2
Acetone	ND		ug/kg	1200	--	2
Carbon disulfide	ND		ug/kg	1200	--	2
2-Butanone	ND		ug/kg	1200	--	2
4-Methyl-2-pentanone	ND		ug/kg	1200	--	2
2-Hexanone	ND		ug/kg	1200	--	2
Bromochloromethane	ND		ug/kg	230	--	2
Tetrahydrofuran	ND		ug/kg	460	--	2
2,2-Dichloropropane	ND		ug/kg	230	--	2
1,2-Dibromoethane	ND		ug/kg	120	--	2
1,1,1,2-Tetrachloroethane	ND		ug/kg	58	--	2
Bromobenzene	ND		ug/kg	230	--	2
n-Butylbenzene	ND		ug/kg	120	--	2
sec-Butylbenzene	ND		ug/kg	120	--	2
tert-Butylbenzene	ND		ug/kg	230	--	2
1,3,5-Trichlorobenzene	ND		ug/kg	230	--	2
o-Chlorotoluene	ND		ug/kg	230	--	2
p-Chlorotoluene	ND		ug/kg	230	--	2
1,2-Dibromo-3-chloropropane	ND		ug/kg	350	--	2
Hexachlorobutadiene	ND		ug/kg	460	--	2
Isopropylbenzene	ND		ug/kg	120	--	2
p-Isopropyltoluene	ND		ug/kg	120	--	2
Naphthalene	ND		ug/kg	460	--	2
n-Propylbenzene	ND		ug/kg	120	--	2

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-15 D Date Collected: 07/23/19 15:30

Client ID: SB19-58(10-12) Date Received: 07/23/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	230	--	2
1,2,4-Trichlorobenzene	ND		ug/kg	230	--	2
1,3,5-Trimethylbenzene	ND		ug/kg	230	--	2
1,2,4-Trimethylbenzene	ND		ug/kg	230	--	2
Ethyl ether	ND		ug/kg	230	--	2
Isopropyl Ether	ND		ug/kg	230	--	2
Tert-Butyl Alcohol	ND		ug/kg	2300	--	2
Ethyl-Tert-Butyl-Ether	ND		ug/kg	230	--	2
Tertiary-Amyl Methyl Ether	ND		ug/kg	230	--	2
1,4-Dioxane	ND		ug/kg	9300	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/29/19 18:23
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03,06,12 Batch: WG1266278-5					
Methylene chloride	ND		ug/kg	5.0	--
1,1-Dichloroethane	ND		ug/kg	1.0	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	1.0	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.0	--
Tetrachloroethene	ND		ug/kg	0.50	--
Chlorobenzene	ND		ug/kg	0.50	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	0.50	--
Bromodichloromethane	ND		ug/kg	0.50	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--
1,1-Dichloropropene	ND		ug/kg	0.50	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--
Benzene	ND		ug/kg	0.50	--
Toluene	ND		ug/kg	1.0	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	1.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	0.50	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/29/19 18:23
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03,06,12 Batch: WG1266278-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	--
1,3-Dichlorobenzene	ND		ug/kg	2.0	--
1,4-Dichlorobenzene	ND		ug/kg	2.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	1.0	--
Xylenes, Total	ND		ug/kg	1.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	2.0	--
1,2,3-Trichloropropane	ND		ug/kg	2.0	--
Styrene	ND		ug/kg	1.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	10	--
Carbon disulfide	ND		ug/kg	10	--
2-Butanone	ND		ug/kg	10	--
4-Methyl-2-pentanone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Bromochloromethane	ND		ug/kg	2.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	2.0	--
1,2-Dibromoethane	ND		ug/kg	1.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--
Bromobenzene	ND		ug/kg	2.0	--
n-Butylbenzene	ND		ug/kg	1.0	--
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	2.0	--
1,3,5-Trichlorobenzene	ND		ug/kg	2.0	--
o-Chlorotoluene	ND		ug/kg	2.0	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/29/19 18:23
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03,06,12 Batch: WG1266278-5					
p-Chlorotoluene	ND		ug/kg	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--
Ethyl ether	ND		ug/kg	2.0	--
Isopropyl Ether	ND		ug/kg	2.0	--
Tert-Butyl Alcohol	ND		ug/kg	20	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--
1,4-Dioxane	ND		ug/kg	80	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	90		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/29/19 18:25
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04,07,14 Batch: WG1266284-5					
Methylene chloride	ND		ug/kg	250	--
1,1-Dichloroethane	ND		ug/kg	50	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	50	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	50	--
Tetrachloroethene	ND		ug/kg	25	--
Chlorobenzene	ND		ug/kg	25	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	25	--
Bromodichloromethane	ND		ug/kg	25	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	25	--
1,3-Dichloropropene, Total	ND		ug/kg	25	--
1,1-Dichloropropene	ND		ug/kg	25	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	--
Benzene	ND		ug/kg	25	--
Toluene	ND		ug/kg	50	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	50	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	25	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/29/19 18:25
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04,07,14 Batch: WG1266284-5					
1,2-Dichlorobenzene	ND		ug/kg	100	--
1,3-Dichlorobenzene	ND		ug/kg	100	--
1,4-Dichlorobenzene	ND		ug/kg	100	--
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	50	--
Xylenes, Total	ND		ug/kg	50	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
1,2-Dichloroethene, Total	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	100	--
1,2,3-Trichloropropane	ND		ug/kg	100	--
Styrene	ND		ug/kg	50	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	500	--
Carbon disulfide	ND		ug/kg	500	--
2-Butanone	ND		ug/kg	500	--
4-Methyl-2-pentanone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	100	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	100	--
1,2-Dibromoethane	ND		ug/kg	50	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	--
Bromobenzene	ND		ug/kg	100	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	100	--
1,3,5-Trichlorobenzene	ND		ug/kg	100	--
o-Chlorotoluene	ND		ug/kg	100	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/29/19 18:25
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04,07,14 Batch: WG1266284-5					
p-Chlorotoluene	ND		ug/kg	100	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--
1,2,3-Trichlorobenzene	ND		ug/kg	100	--
1,2,4-Trichlorobenzene	ND		ug/kg	100	--
1,3,5-Trimethylbenzene	ND		ug/kg	100	--
1,2,4-Trimethylbenzene	ND		ug/kg	100	--
Ethyl ether	ND		ug/kg	100	--
Isopropyl Ether	ND		ug/kg	100	--
Tert-Butyl Alcohol	ND		ug/kg	1000	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	100	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	100	--
1,4-Dioxane	ND		ug/kg	4000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	101		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/30/19 07:41
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01-02,09,11,13,15 Batch: WG1266335-5					
Methylene chloride	ND		ug/kg	250	--
1,1-Dichloroethane	ND		ug/kg	50	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	50	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	50	--
Tetrachloroethene	ND		ug/kg	25	--
Chlorobenzene	ND		ug/kg	25	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	25	--
Bromodichloromethane	ND		ug/kg	25	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	25	--
1,3-Dichloropropene, Total	ND		ug/kg	25	--
1,1-Dichloropropene	ND		ug/kg	25	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	--
Benzene	ND		ug/kg	25	--
Toluene	ND		ug/kg	50	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	50	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	25	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/30/19 07:41
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01-02,09,11,13,15 Batch: WG1266335-5					
1,2-Dichlorobenzene	ND		ug/kg	100	--
1,3-Dichlorobenzene	ND		ug/kg	100	--
1,4-Dichlorobenzene	ND		ug/kg	100	--
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	50	--
Xylenes, Total	ND		ug/kg	50	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
1,2-Dichloroethene, Total	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	100	--
1,2,3-Trichloropropane	ND		ug/kg	100	--
Styrene	ND		ug/kg	50	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	500	--
Carbon disulfide	ND		ug/kg	500	--
2-Butanone	ND		ug/kg	500	--
4-Methyl-2-pentanone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	100	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	100	--
1,2-Dibromoethane	ND		ug/kg	50	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	--
Bromobenzene	ND		ug/kg	100	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	100	--
1,3,5-Trichlorobenzene	ND		ug/kg	100	--
o-Chlorotoluene	ND		ug/kg	100	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/30/19 07:41
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01-02,09,11,13,15 Batch: WG1266335-5					
p-Chlorotoluene	ND		ug/kg	100	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--
1,2,3-Trichlorobenzene	ND		ug/kg	100	--
1,2,4-Trichlorobenzene	ND		ug/kg	100	--
1,3,5-Trimethylbenzene	ND		ug/kg	100	--
1,2,4-Trimethylbenzene	ND		ug/kg	100	--
Ethyl ether	ND		ug/kg	100	--
Isopropyl Ether	ND		ug/kg	100	--
Tert-Butyl Alcohol	ND		ug/kg	1000	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	100	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	100	--
1,4-Dioxane	ND		ug/kg	4000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	100		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/01/19 06:37
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 08 Batch: WG1267869-5					
Methylene chloride	ND		ug/kg	5.0	--
1,1-Dichloroethane	ND		ug/kg	1.0	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	1.0	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.0	--
Tetrachloroethene	ND		ug/kg	0.50	--
Chlorobenzene	ND		ug/kg	0.50	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	0.50	--
Bromodichloromethane	ND		ug/kg	0.50	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--
1,1-Dichloropropene	ND		ug/kg	0.50	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--
Benzene	ND		ug/kg	0.50	--
Toluene	ND		ug/kg	1.0	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	1.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	0.50	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/01/19 06:37
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 08 Batch: WG1267869-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	--
1,3-Dichlorobenzene	ND		ug/kg	2.0	--
1,4-Dichlorobenzene	ND		ug/kg	2.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	1.0	--
Xylenes, Total	ND		ug/kg	1.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	2.0	--
1,2,3-Trichloropropane	ND		ug/kg	2.0	--
Styrene	ND		ug/kg	1.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	10	--
Carbon disulfide	ND		ug/kg	10	--
2-Butanone	ND		ug/kg	10	--
4-Methyl-2-pentanone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Bromochloromethane	ND		ug/kg	2.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	2.0	--
1,2-Dibromoethane	ND		ug/kg	1.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--
Bromobenzene	ND		ug/kg	2.0	--
n-Butylbenzene	ND		ug/kg	1.0	--
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	2.0	--
1,3,5-Trichlorobenzene	ND		ug/kg	2.0	--
o-Chlorotoluene	ND		ug/kg	2.0	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/01/19 06:37
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 08 Batch: WG1267869-5					
p-Chlorotoluene	ND		ug/kg	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--
Ethyl ether	ND		ug/kg	2.0	--
Isopropyl Ether	ND		ug/kg	2.0	--
Tert-Butyl Alcohol	ND		ug/kg	20	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--
1,4-Dioxane	ND		ug/kg	80	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	102		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/01/19 07:39
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 08 Batch: WG1267878-5					
Methylene chloride	ND		ug/kg	250	--
1,1-Dichloroethane	ND		ug/kg	50	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	50	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	50	--
Tetrachloroethene	ND		ug/kg	25	--
Chlorobenzene	ND		ug/kg	25	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	25	--
Bromodichloromethane	ND		ug/kg	25	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	25	--
1,3-Dichloropropene, Total	ND		ug/kg	25	--
1,1-Dichloropropene	ND		ug/kg	25	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	--
Benzene	ND		ug/kg	25	--
Toluene	ND		ug/kg	50	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	50	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	25	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/01/19 07:39
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 08 Batch: WG1267878-5					
1,2-Dichlorobenzene	ND		ug/kg	100	--
1,3-Dichlorobenzene	ND		ug/kg	100	--
1,4-Dichlorobenzene	ND		ug/kg	100	--
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	50	--
Xylenes, Total	ND		ug/kg	50	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
1,2-Dichloroethene, Total	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	100	--
1,2,3-Trichloropropane	ND		ug/kg	100	--
Styrene	ND		ug/kg	50	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	500	--
Carbon disulfide	ND		ug/kg	500	--
2-Butanone	ND		ug/kg	500	--
4-Methyl-2-pentanone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	100	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	100	--
1,2-Dibromoethane	ND		ug/kg	50	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	--
Bromobenzene	ND		ug/kg	100	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	100	--
1,3,5-Trichlorobenzene	ND		ug/kg	100	--
o-Chlorotoluene	ND		ug/kg	100	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1932572

Project Number: 0231841 **Report Date:** 08/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/01/19 07:39
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 08 Batch: WG1267878-5					
p-Chlorotoluene	ND		ug/kg	100	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--
1,2,3-Trichlorobenzene	ND		ug/kg	100	--
1,2,4-Trichlorobenzene	ND		ug/kg	100	--
1,3,5-Trimethylbenzene	ND		ug/kg	100	--
1,2,4-Trimethylbenzene	ND		ug/kg	100	--
Ethyl ether	ND		ug/kg	100	--
Isopropyl Ether	ND		ug/kg	100	--
Tert-Butyl Alcohol	ND		ug/kg	1000	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	100	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	100	--
1,4-Dioxane	ND		ug/kg	4000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	94		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1932572
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03,06,12 Batch: WG1266278-3 WG1266278-4								
Methylene chloride	93		91		70-130	2		30
1,1-Dichloroethane	105		103		70-130	2		30
Chloroform	98		95		70-130	3		30
Carbon tetrachloride	98		95		70-130	3		30
1,2-Dichloropropane	106		104		70-130	2		30
Dibromochloromethane	104		103		70-130	1		30
1,1,2-Trichloroethane	100		99		70-130	1		30
Tetrachloroethene	109		106		70-130	3		30
Chlorobenzene	108		106		70-130	2		30
Trichlorofluoromethane	**68**	Q	**65**	Q	70-139	5		30
1,2-Dichloroethane	96		94		70-130	2		30
1,1,1-Trichloroethane	100		97		70-130	3		30
Bromodichloromethane	100		98		70-130	2		30
trans-1,3-Dichloropropene	102		102		70-130	0		30
cis-1,3-Dichloropropene	101		99		70-130	2		30
1,1-Dichloropropene	100		97		70-130	3		30
Bromoform	96		93		70-130	3		30
1,1,2,2-Tetrachloroethane	103		102		70-130	1		30
Benzene	100		98		70-130	2		30
Toluene	105		103		70-130	2		30
Ethylbenzene	106		104		70-130	2		30
Chloromethane	115		111		52-130	4		30
Bromomethane	68		64		57-147	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1932572
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03,06,12 Batch: WG1266278-3 WG1266278-4								
Vinyl chloride	77		74		67-130	4		30
Chloroethane	61		60		50-151	2		30
1,1-Dichloroethene	100		96		65-135	4		30
trans-1,2-Dichloroethene	103		100		70-130	3		30
Trichloroethene	102		100		70-130	2		30
1,2-Dichlorobenzene	107		104		70-130	3		30
1,3-Dichlorobenzene	110		106		70-130	4		30
1,4-Dichlorobenzene	108		106		70-130	2		30
Methyl tert butyl ether	92		92		66-130	0		30
p/m-Xylene	108		106		70-130	2		30
o-Xylene	107		105		70-130	2		30
cis-1,2-Dichloroethene	101		100		70-130	1		30
Dibromomethane	95		93		70-130	2		30
1,2,3-Trichloropropane	97		95		68-130	2		30
Styrene	106		105		70-130	1		30
Dichlorodifluoromethane	63		62		30-146	2		30
Acetone	130		130		54-140	0		30
Carbon disulfide	92		89		59-130	3		30
2-Butanone	122		124		70-130	2		30
4-Methyl-2-pentanone	111		113		70-130	2		30
2-Hexanone	126		127		70-130	1		30
Bromochloromethane	102		99		70-130	3		30
Tetrahydrofuran	**132**	Q	**132**	Q	66-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1932572
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03,06,12 Batch: WG1266278-3 WG1266278-4								
2,2-Dichloropropane	96		92		70-130	4		30
1,2-Dibromoethane	103		103		70-130	0		30
1,1,1,2-Tetrachloroethane	106		104		70-130	2		30
Bromobenzene	106		104		70-130	2		30
n-Butylbenzene	109		107		70-130	2		30
sec-Butylbenzene	110		108		70-130	2		30
tert-Butylbenzene	108		105		70-130	3		30
1,3,5-Trichlorobenzene	117		114		70-139	3		30
o-Chlorotoluene	108		104		70-130	4		30
p-Chlorotoluene	108		104		70-130	4		30
1,2-Dibromo-3-chloropropane	97		98		68-130	1		30
Hexachlorobutadiene	95		93		67-130	2		30
Isopropylbenzene	110		107		70-130	3		30
p-Isopropyltoluene	111		108		70-130	3		30
Naphthalene	104		102		70-130	2		30
n-Propylbenzene	109		106		70-130	3		30
1,2,3-Trichlorobenzene	106		104		70-130	2		30
1,2,4-Trichlorobenzene	110		106		70-130	4		30
1,3,5-Trimethylbenzene	109		106		70-130	3		30
1,2,4-Trimethylbenzene	108		105		70-130	3		30
Ethyl ether	94		94		67-130	0		30
Isopropyl Ether	**147**	Q	**144**	Q	66-130	2		30
Tert-Butyl Alcohol	112		113		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1932572
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03,06,12 Batch: WG1266278-3 WG1266278-4								
Ethyl-Tert-Butyl-Ether	116		113		70-130	3		30
Tertiary-Amyl Methyl Ether	99		98		70-130	1		30
1,4-Dioxane	93		94		65-136	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	90		91		70-130
Toluene-d8	103		104		70-130
4-Bromofluorobenzene	98		98		70-130
Dibromofluoromethane	97		96		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1932572
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04,07,14 Batch: WG1266284-3 WG1266284-4								
Methylene chloride	86		94		70-130	9		30
1,1-Dichloroethane	85		94		70-130	10		30
Chloroform	84		92		70-130	9		30
Carbon tetrachloride	84		93		70-130	10		30
1,2-Dichloropropane	86		96		70-130	11		30
Dibromochloromethane	88		97		70-130	10		30
1,1,2-Trichloroethane	89		97		70-130	9		30
Tetrachloroethene	86		94		70-130	9		30
Chlorobenzene	85		92		70-130	8		30
Trichlorofluoromethane	81		89		70-139	9		30
1,2-Dichloroethane	87		96		70-130	10		30
1,1,1-Trichloroethane	84		91		70-130	8		30
Bromodichloromethane	86		92		70-130	7		30
trans-1,3-Dichloropropene	89		98		70-130	10		30
cis-1,3-Dichloropropene	87		95		70-130	9		30
1,1-Dichloropropene	85		92		70-130	8		30
Bromoform	92		98		70-130	6		30
1,1,2,2-Tetrachloroethane	85		94		70-130	10		30
Benzene	83		91		70-130	9		30
Toluene	87		94		70-130	8		30
Ethylbenzene	86		94		70-130	9		30
Chloromethane	82		89		52-130	8		30
Bromomethane	77		82		57-147	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 0231841

Lab Number: L1932572

Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04,07,14 Batch: WG1266284-3 WG1266284-4								
Vinyl chloride	80		88		67-130	10		30
Chloroethane	78		85		50-151	9		30
1,1-Dichloroethene	86		93		65-135	8		30
trans-1,2-Dichloroethene	86		92		70-130	7		30
Trichloroethene	83		91		70-130	9		30
1,2-Dichlorobenzene	87		94		70-130	8		30
1,3-Dichlorobenzene	88		95		70-130	8		30
1,4-Dichlorobenzene	88		95		70-130	8		30
Methyl tert butyl ether	89		99		66-130	11		30
p/m-Xylene	86		94		70-130	9		30
o-Xylene	86		94		70-130	9		30
cis-1,2-Dichloroethene	87		94		70-130	8		30
Dibromomethane	88		97		70-130	10		30
1,2,3-Trichloropropane	88		96		68-130	9		30
Styrene	86		95		70-130	10		30
Dichlorodifluoromethane	82		89		30-146	8		30
Acetone	95		102		54-140	7		30
Carbon disulfide	85		91		59-130	7		30
2-Butanone	81		102		70-130	23		30
4-Methyl-2-pentanone	90		103		70-130	13		30
2-Hexanone	83		92		70-130	10		30
Bromochloromethane	88		97		70-130	10		30
Tetrahydrofuran	97		109		66-130	12		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 0231841

Lab Number: L1932572

Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04,07,14 Batch: WG1266284-3 WG1266284-4								
2,2-Dichloropropane	83		90		70-130	8		30
1,2-Dibromoethane	89		98		70-130	10		30
1,1,1,2-Tetrachloroethane	85		91		70-130	7		30
Bromobenzene	87		94		70-130	8		30
n-Butylbenzene	86		93		70-130	8		30
sec-Butylbenzene	85		91		70-130	7		30
tert-Butylbenzene	84		91		70-130	8		30
1,3,5-Trichlorobenzene	89		97		70-139	9		30
o-Chlorotoluene	85		93		70-130	9		30
p-Chlorotoluene	86		94		70-130	9		30
1,2-Dibromo-3-chloropropane	92		102		68-130	10		30
Hexachlorobutadiene	84		90		67-130	7		30
Isopropylbenzene	85		92		70-130	8		30
p-Isopropyltoluene	86		92		70-130	7		30
Naphthalene	87		98		70-130	12		30
n-Propylbenzene	86		93		70-130	8		30
1,2,3-Trichlorobenzene	88		98		70-130	11		30
1,2,4-Trichlorobenzene	90		98		70-130	9		30
1,3,5-Trimethylbenzene	86		93		70-130	8		30
1,2,4-Trimethylbenzene	86		93		70-130	8		30
Ethyl ether	80		92		67-130	14		30
Isopropyl Ether	87		96		66-130	10		30
Tert-Butyl Alcohol	95		107		70-130	12		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1932572
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04,07,14 Batch: WG1266284-3 WG1266284-4								
Ethyl-Tert-Butyl-Ether	89		98		70-130	10		30
Tertiary-Amyl Methyl Ether	88		98		70-130	11		30
1,4-Dioxane	88		98		65-136	11		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		101		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	99		98		70-130
Dibromofluoromethane	102		101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1932572
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-02,09,11,13,15 Batch: WG1266335-3 WG1266335-4								
Methylene chloride	92		90		70-130	2		30
1,1-Dichloroethane	88		88		70-130	0		30
Chloroform	86		89		70-130	3		30
Carbon tetrachloride	86		87		70-130	1		30
1,2-Dichloropropane	86		87		70-130	1		30
Dibromochloromethane	85		87		70-130	2		30
1,1,2-Trichloroethane	88		90		70-130	2		30
Tetrachloroethene	89		88		70-130	1		30
Chlorobenzene	86		86		70-130	0		30
Trichlorofluoromethane	90		89		70-139	1		30
1,2-Dichloroethane	88		90		70-130	2		30
1,1,1-Trichloroethane	87		85		70-130	2		30
Bromodichloromethane	83		83		70-130	0		30
trans-1,3-Dichloropropene	85		88		70-130	3		30
cis-1,3-Dichloropropene	84		86		70-130	2		30
1,1-Dichloropropene	88		88		70-130	0		30
Bromoform	86		87		70-130	1		30
1,1,2,2-Tetrachloroethane	83		85		70-130	2		30
Benzene	84		83		70-130	1		30
Toluene	88		87		70-130	1		30
Ethylbenzene	88		88		70-130	0		30
Chloromethane	86		85		52-130	1		30
Bromomethane	82		80		57-147	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1932572
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-02,09,11,13,15 Batch: WG1266335-3 WG1266335-4								
Vinyl chloride	88		88		67-130	0		30
Chloroethane	87		84		50-151	4		30
1,1-Dichloroethene	89		88		65-135	1		30
trans-1,2-Dichloroethene	88		87		70-130	1		30
Trichloroethene	86		84		70-130	2		30
1,2-Dichlorobenzene	88		87		70-130	1		30
1,3-Dichlorobenzene	89		88		70-130	1		30
1,4-Dichlorobenzene	89		89		70-130	0		30
Methyl tert butyl ether	90		90		66-130	0		30
p/m-Xylene	87		87		70-130	0		30
o-Xylene	87		87		70-130	0		30
cis-1,2-Dichloroethene	87		87		70-130	0		30
Dibromomethane	87		89		70-130	2		30
1,2,3-Trichloropropane	88		90		68-130	2		30
Styrene	86		87		70-130	1		30
Dichlorodifluoromethane	87		87		30-146	0		30
Acetone	102		101		54-140	1		30
Carbon disulfide	86		86		59-130	0		30
2-Butanone	89		94		70-130	5		30
4-Methyl-2-pentanone	91		92		70-130	1		30
2-Hexanone	82		82		70-130	0		30
Bromochloromethane	88		88		70-130	0		30
Tetrahydrofuran	92		100		66-130	8		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1932572
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-02,09,11,13,15 Batch: WG1266335-3 WG1266335-4								
2,2-Dichloropropane	87		85		70-130	2		30
1,2-Dibromoethane	88		90		70-130	2		30
1,1,1,2-Tetrachloroethane	83		84		70-130	1		30
Bromobenzene	87		87		70-130	0		30
n-Butylbenzene	91		88		70-130	3		30
sec-Butylbenzene	88		87		70-130	1		30
tert-Butylbenzene	87		86		70-130	1		30
1,3,5-Trichlorobenzene	92		90		70-139	2		30
o-Chlorotoluene	88		87		70-130	1		30
p-Chlorotoluene	88		87		70-130	1		30
1,2-Dibromo-3-chloropropane	85		87		68-130	2		30
Hexachlorobutadiene	87		85		67-130	2		30
Isopropylbenzene	88		87		70-130	1		30
p-Isopropyltoluene	89		87		70-130	2		30
Naphthalene	85		88		70-130	3		30
n-Propylbenzene	89		88		70-130	1		30
1,2,3-Trichlorobenzene	89		89		70-130	0		30
1,2,4-Trichlorobenzene	92		92		70-130	0		30
1,3,5-Trimethylbenzene	88		88		70-130	0		30
1,2,4-Trimethylbenzene	88		87		70-130	1		30
Ethyl ether	85		88		67-130	3		30
Isopropyl Ether	89		90		66-130	1		30
Tert-Butyl Alcohol	90		95		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1932572
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-02,09,11,13,15 Batch: WG1266335-3 WG1266335-4								
Ethyl-Tert-Butyl-Ether	89		90		70-130	1		30
Tertiary-Amyl Methyl Ether	86		88		70-130	2		30
1,4-Dioxane	73		86		65-136	16		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		101		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	100		100		70-130
Dibromofluoromethane	101		102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1932572
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 08 Batch: WG1267869-3 WG1267869-4								
Methylene chloride	86		86		70-130	0		30
1,1-Dichloroethane	91		91		70-130	0		30
Chloroform	88		90		70-130	2		30
Carbon tetrachloride	85		83		70-130	2		30
1,2-Dichloropropane	98		99		70-130	1		30
Dibromochloromethane	97		96		70-130	1		30
1,1,2-Trichloroethane	98		98		70-130	0		30
Tetrachloroethene	98		100		70-130	2		30
Chlorobenzene	101		99		70-130	2		30
Trichlorofluoromethane	**64**	Q	72		70-139	12		30
1,2-Dichloroethane	91		94		70-130	3		30
1,1,1-Trichloroethane	87		88		70-130	1		30
Bromodichloromethane	**66**	Q	93		70-130	**34**	Q	30
trans-1,3-Dichloropropene	91		91		70-130	0		30
cis-1,3-Dichloropropene	**58**	Q	**60**	Q	70-130	3		30
1,1-Dichloropropene	85		85		70-130	0		30
Bromoform	84		91		70-130	8		30
1,1,2,2-Tetrachloroethane	104		102		70-130	2		30
Benzene	88		87		70-130	1		30
Toluene	87		96		70-130	10		30
Ethylbenzene	102		100		70-130	2		30
Chloromethane	108		104		52-130	4		30
Bromomethane	110		118		57-147	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1932572
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 08 Batch: WG1267869-3 WG1267869-4								
Vinyl chloride	73		70		67-130	4		30
Chloroethane	60		67		50-151	11		30
1,1-Dichloroethene	88		87		65-135	1		30
trans-1,2-Dichloroethene	89		88		70-130	1		30
Trichloroethene	88		90		70-130	2		30
1,2-Dichlorobenzene	107		106		70-130	1		30
1,3-Dichlorobenzene	107		104		70-130	3		30
1,4-Dichlorobenzene	106		104		70-130	2		30
Methyl tert butyl ether	78		79		66-130	1		30
p/m-Xylene	101		98		70-130	3		30
o-Xylene	99		87		70-130	13		30
cis-1,2-Dichloroethene	90		88		70-130	2		30
Dibromomethane	89		83		70-130	7		30
1,2,3-Trichloropropane	99		97		68-130	2		30
Styrene	102		87		70-130	16		30
Dichlorodifluoromethane	72		71		30-146	1		30
Acetone	115		99		54-140	15		30
Carbon disulfide	81		80		59-130	1		30
2-Butanone	96		93		70-130	3		30
4-Methyl-2-pentanone	87		82		70-130	6		30
2-Hexanone	99		94		70-130	5		30
Bromochloromethane	93		95		70-130	2		30
Tetrahydrofuran	115		112		66-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1932572
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 08 Batch: WG1267869-3 WG1267869-4								
2,2-Dichloropropane	83		83		70-130	0		30
1,2-Dibromoethane	103		101		70-130	2		30
1,1,1,2-Tetrachloroethane	99		98		70-130	1		30
Bromobenzene	107		105		70-130	2		30
n-Butylbenzene	103		102		70-130	1		30
sec-Butylbenzene	104		101		70-130	3		30
tert-Butylbenzene	105		101		70-130	4		30
1,3,5-Trichlorobenzene	103		103		70-139	0		30
o-Chlorotoluene	105		102		70-130	3		30
p-Chlorotoluene	104		102		70-130	2		30
1,2-Dibromo-3-chloropropane	101		91		68-130	10		30
Hexachlorobutadiene	111		104		67-130	7		30
Isopropylbenzene	110		99		70-130	11		30
p-Isopropyltoluene	105		101		70-130	4		30
Naphthalene	110		104		70-130	6		30
n-Propylbenzene	102		99		70-130	3		30
1,2,3-Trichlorobenzene	107		105		70-130	2		30
1,2,4-Trichlorobenzene	107		105		70-130	2		30
1,3,5-Trimethylbenzene	103		100		70-130	3		30
1,2,4-Trimethylbenzene	103		100		70-130	3		30
Ethyl ether	78		80		67-130	3		30
Isopropyl Ether	109		111		66-130	2		30
Tert-Butyl Alcohol	88		82		70-130	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1932572
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 08 Batch: WG1267869-3 WG1267869-4								
Ethyl-Tert-Butyl-Ether	86		87		70-130	1		30
Tertiary-Amyl Methyl Ether	81		82		70-130	1		30
1,4-Dioxane	**62**	Q	**62**	Q	65-136	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		100		70-130
Toluene-d8	94		101		70-130
4-Bromofluorobenzene	100		95		70-130
Dibromofluoromethane	92		94		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1932572
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 08 Batch: WG1267878-3 WG1267878-4								
Methylene chloride	95		95		70-130	0		30
1,1-Dichloroethane	108		108		70-130	0		30
Chloroform	101		100		70-130	1		30
Carbon tetrachloride	103		101		70-130	2		30
1,2-Dichloropropane	107		107		70-130	0		30
Dibromochloromethane	103		104		70-130	1		30
1,1,2-Trichloroethane	96		96		70-130	0		30
Tetrachloroethene	114		111		70-130	3		30
Chlorobenzene	104		104		70-130	0		30
Trichlorofluoromethane	76		75		70-139	1		30
1,2-Dichloroethane	101		100		70-130	1		30
1,1,1-Trichloroethane	104		103		70-130	1		30
Bromodichloromethane	102		101		70-130	1		30
trans-1,3-Dichloropropene	98		97		70-130	1		30
cis-1,3-Dichloropropene	100		101		70-130	1		30
1,1-Dichloropropene	100		99		70-130	1		30
Bromoform	93		93		70-130	0		30
1,1,2,2-Tetrachloroethane	92		93		70-130	1		30
Benzene	101		101		70-130	0		30
Toluene	100		99		70-130	1		30
Ethylbenzene	100		100		70-130	0		30
Chloromethane	**141**	Q	**138**	Q	52-130	2		30
Bromomethane	67		64		57-147	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1932572
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 08 Batch: WG1267878-3 WG1267878-4								
Vinyl chloride	88		86		67-130	2		30
Chloroethane	64		64		50-151	0		30
1,1-Dichloroethene	102		101		65-135	1		30
trans-1,2-Dichloroethene	104		103		70-130	1		30
Trichloroethene	102		102		70-130	0		30
1,2-Dichlorobenzene	101		101		70-130	0		30
1,3-Dichlorobenzene	105		104		70-130	1		30
1,4-Dichlorobenzene	104		103		70-130	1		30
Methyl tert butyl ether	86		86		66-130	0		30
p/m-Xylene	105		104		70-130	1		30
o-Xylene	99		99		70-130	0		30
cis-1,2-Dichloroethene	101		102		70-130	1		30
Dibromomethane	97		98		70-130	1		30
1,2,3-Trichloropropane	85		87		68-130	2		30
Styrene	98		99		70-130	1		30
Dichlorodifluoromethane	86		83		30-146	4		30
Acetone	130		132		54-140	2		30
Carbon disulfide	88		87		59-130	1		30
2-Butanone	123		124		70-130	1		30
4-Methyl-2-pentanone	97		98		70-130	1		30
2-Hexanone	112		113		70-130	1		30
Bromochloromethane	106		107		70-130	1		30
Tetrahydrofuran	**131**	Q	**132**	Q	66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1932572
Report Date: 08/02/19

Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 08 Batch: WG1267878-3 WG1267878-4

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
2,2-Dichloropropane	99		98		70-130	1		30
1,2-Dibromoethane	100		100		70-130	0		30
1,1,1,2-Tetrachloroethane	106		105		70-130	1		30
Bromobenzene	100		100		70-130	0		30
n-Butylbenzene	99		99		70-130	0		30
sec-Butylbenzene	99		98		70-130	1		30
tert-Butylbenzene	97		96		70-130	1		30
1,3,5-Trichlorobenzene	107		107		70-139	0		30
o-Chlorotoluene	93		94		70-130	1		30
p-Chlorotoluene	95		95		70-130	0		30
1,2-Dibromo-3-chloropropane	92		95		68-130	3		30
Hexachlorobutadiene	97		98		67-130	1		30
Isopropylbenzene	97		96		70-130	1		30
p-Isopropyltoluene	100		100		70-130	0		30
Naphthalene	95		96		70-130	1		30
n-Propylbenzene	97		96		70-130	1		30
1,2,3-Trichlorobenzene	106		104		70-130	2		30
1,2,4-Trichlorobenzene	109		109		70-130	0		30
1,3,5-Trimethylbenzene	97		97		70-130	0		30
1,2,4-Trimethylbenzene	97		97		70-130	0		30
Ethyl ether	87		87		67-130	0		30
Isopropyl Ether	**143**	Q	**143**	Q	66-130	0		30
Tert-Butyl Alcohol	106		106		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1932572
Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 08 Batch: WG1267878-3 WG1267878-4								
Ethyl-Tert-Butyl-Ether	108		108		70-130	0		30
Tertiary-Amyl Methyl Ether	90		91		70-130	1		30
1,4-Dioxane	88		88		65-136	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		95		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	91		89		70-130
Dibromofluoromethane	99		99		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1932572
Report Date: 08/02/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03,06,12 QC Batch ID: WG1266278-6 WG1266278-7 QC Sample: L1932572-03 Client ID: SB19-50(15-17.5)												
Methylene chloride	ND	81.9	85	104		79	102		70-130	8		30
1,1-Dichloroethane	ND	81.9	100	127		96	124		70-130	8		30
Chloroform	ND	81.9	94	115		87	112		70-130	8		30
Carbon tetrachloride	ND	81.9	100	123		94	121		70-130	7		30
1,2-Dichloropropane	ND	81.9	100	124		96	124		70-130	6		30
Dibromochloromethane	ND	81.9	100	122		93	120		70-130	7		30
1,1,2-Trichloroethane	ND	81.9	92	112		84	109		70-130	9		30
Tetrachloroethene	ND	81.9	110	**131**	Q	99	128		70-130	8		30
Chlorobenzene	ND	81.9	99	120		92	118		70-130	7		30
Trichlorofluoromethane	ND	81.9	70	85		64	83		70-139	8		30
1,2-Dichloroethane	ND	81.9	89	109		82	106		70-130	8		30
1,1,1-Trichloroethane	0.69	81.9	100	124		94	121		70-130	8		30
Bromodichloromethane	ND	81.9	97	119		90	117		70-130	8		30
trans-1,3-Dichloropropene	ND	81.9	95	115		87	113		70-130	8		30
cis-1,3-Dichloropropene	ND	81.9	96	117		89	115		70-130	7		30
1,1-Dichloropropene	ND	81.9	100	124		94	122		70-130	8		30
Bromoform	ND	81.9	90	109		85	109		70-130	6		30
1,1,2,2-Tetrachloroethane	ND	81.9	89	108		83	108		70-130	7		30
Benzene	ND	81.9	97	118		90	117		70-130	7		30
Toluene	1.2	81.9	100	122		94	120		70-130	7		30
Ethylbenzene	ND	81.9	99	121		92	120		70-130	7		30
Chloromethane	ND	81.9	120	**146**	Q	110	**141**	Q	52-130	10		30
Bromomethane	ND	81.9	58	71		54	69		57-147	8		30

Matrix Spike Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 0231841

Lab Number: L1932572

Report Date: 08/02/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03,06,12 QC Batch ID: WG1266278-6 WG1266278-7 QC Sample: L1932572-03 Client ID: SB19-50(15-17.5)												
Vinyl chloride	ND	81.9	83	101		76	99		67-130	8		30
Chloroethane	ND	81.9	59	71		54	70		50-151	7		30
1,1-Dichloroethene	ND	81.9	100	124		95	123		65-135	7		30
trans-1,2-Dichloroethene	ND	81.9	100	123		94	121		70-130	7		30
Trichloroethene	5.5	81.9	100	119		96	117		70-130	7		30
1,2-Dichlorobenzene	ND	81.9	92	112		89	114		70-130	4		30
1,3-Dichlorobenzene	ND	81.9	94	115		90	116		70-130	5		30
1,4-Dichlorobenzene	ND	81.9	91	112		88	114		70-130	4		30
Methyl tert butyl ether	ND	81.9	87	106		80	103		66-130	8		30
p/m-Xylene	ND	164	200	123		190	122		70-130	6		30
o-Xylene	ND	164	200	120		190	120		70-130	6		30
cis-1,2-Dichloroethene	11	81.9	100	112		97	110		70-130	7		30
Dibromomethane	ND	81.9	89	109		82	106		70-130	9		30
1,2,3-Trichloropropane	ND	81.9	82	100		76	99		68-130	7		30
Styrene	ND	164	200	119		180	118		70-130	7		30
Dichlorodifluoromethane	ND	81.9	69	84		63	81		30-146	9		30
Acetone	18	81.9	150	**164**	Q	110	119		54-140	**32**	Q	30
Carbon disulfide	ND	81.9	96	117		89	115		59-130	8		30
2-Butanone	ND	81.9	110	**139**	Q	100	**132**	Q	70-130	11		30
4-Methyl-2-pentanone	ND	81.9	100	124		93	120		70-130	9		30
2-Hexanone	ND	81.9	120	**144**	Q	110	**137**	Q	70-130	11		30
Bromochloromethane	ND	81.9	92	112		84	109		70-130	9		30
Tetrahydrofuran	ND	81.9	100	126		82	106		66-130	22		30

Matrix Spike Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1932572
Report Date: 08/02/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03,06,12 QC Batch ID: WG1266278-6 WG1266278-7 QC Sample: L1932572-03 Client ID: SB19-50(15-17.5)												
2,2-Dichloropropane	ND	81.9	94	114		87	112		70-130	8		30
1,2-Dibromoethane	ND	81.9	94	115		86	111		70-130	9		30
1,1,1,2-Tetrachloroethane	ND	81.9	100	123		94	121		70-130	7		30
Bromobenzene	ND	81.9	94	115		91	117		70-130	4		30
n-Butylbenzene	ND	81.9	93	113		93	120		70-130	0		30
sec-Butylbenzene	ND	81.9	98	120		97	125		70-130	1		30
tert-Butylbenzene	ND	81.9	99	121		97	126		70-130	2		30
1,3,5-Trichlorobenzene	ND	81.9	98	119		94	121		70-130	4		30
o-Chlorotoluene	ND	81.9	94	114		91	117		70-130	3		30
p-Chlorotoluene	ND	81.9	92	112		89	116		70-130	3		30
1,2-Dibromo-3-chloropropane	ND	81.9	89	108		83	107		68-130	7		30
Hexachlorobutadiene	ND	81.9	82	100		86	111		67-130	4		30
Isopropylbenzene	ND	81.9	99	121		97	125		70-130	3		30
p-Isopropyltoluene	ND	81.9	98	119		96	124		70-130	1		30
Naphthalene	ND	81.9	86	105		82	106		70-130	5		30
n-Propylbenzene	ND	81.9	97	118		95	122		70-130	3		30
1,2,3-Trichlorobenzene	ND	81.9	88	107		84	108		70-130	5		30
1,2,4-Trichlorobenzene	ND	81.9	90	110		86	111		70-130	5		30
1,3,5-Trimethylbenzene	ND	81.9	96	117		94	121		70-130	3		30
1,2,4-Trimethylbenzene	ND	81.9	94	115		92	119		70-130	2		30
Ethyl ether	ND	81.9	87	107		80	104		67-130	9		30
Isopropyl Ether	ND	81.9	150	**177**	Q	130	**172**	Q	66-130	9		30
Tert-Butyl Alcohol	ND	409	510	124		470	120		70-130	9		30

Matrix Spike Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1932572
Report Date: 08/02/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03,06,12 QC Batch ID: WG1266278-6 WG1266278-7 QC Sample: L1932572-03 Client ID: SB19-50(15-17.5)												
Ethyl-Tert-Butyl-Ether	ND	81.9	110	**134**	Q	100	**132**	Q	70-130	8		30
Tertiary-Amyl Methyl Ether	ND	81.9	94	114		87	112		70-130	8		30
1,4-Dioxane	ND	4090	4300	104		3900	101		65-136	10		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		93		70-130
4-Bromofluorobenzene	95		97		70-130
Dibromofluoromethane	96		96		70-130
Toluene-d8	103		102		70-130

INORGANICS
&
MISCELLANEOUS

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1932572
Report Date: 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-01
Client ID: SB19-50(10-12.5)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/22/19 08:30
Date Received: 07/23/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.2		%	0.100	NA	1	-	07/24/19 13:59	121,2540G	RI

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1932572
Report Date: 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-02
Client ID: SB19-50(10-12.5) DUP
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/22/19 08:30
Date Received: 07/23/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.0		%	0.100	NA	1	-	07/24/19 13:59	121,2540G	RI

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1932572
Report Date: 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-03
Client ID: SB19-50(15-17.5)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/22/19 09:30
Date Received: 07/23/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.2		%	0.100	NA	1	-	07/24/19 13:59	121,2540G	RI

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1932572
Report Date: 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-04
Client ID: SB19-51(1.5-3)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/22/19 11:20
Date Received: 07/23/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	41.3		%	0.100	NA	1	-	07/24/19 13:59	121,2540G	RI

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1932572
Report Date: 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-05
Client ID: SB19-51(10-12)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/22/19 12:00
Date Received: 07/23/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon	0.056		%	0.010	--	1	-	08/02/19 12:15	1,9060A	SP
Grain Size Analysis - Mansfield Lab										
Cobbles	ND		%	0.100	NA	1	-	07/29/19 15:24	12,D6913/D7928	MC
% Coarse Gravel	ND		%	0.100	NA	1	-	07/29/19 15:24	12,D6913/D7928	MC
% Fine Gravel	ND		%	0.100	NA	1	-	07/29/19 15:24	12,D6913/D7928	MC
% Total Gravel	ND		%	0.100	NA	1	-	07/29/19 15:24	12,D6913/D7928	MC
% Coarse Sand	ND		%	0.100	NA	1	-	07/29/19 15:24	12,D6913/D7928	MC
% Medium Sand	0.200		%	0.100	NA	1	-	07/29/19 15:24	12,D6913/D7928	MC
% Fine Sand	27.4		%	0.100	NA	1	-	07/29/19 15:24	12,D6913/D7928	MC
% Total Sand	27.6		%	0.100	NA	1	-	07/29/19 15:24	12,D6913/D7928	MC
% Total Fines	72.4		%	0.100	NA	1	-	07/29/19 15:24	12,D6913/D7928	MC
General Chemistry - Westborough Lab										
Solids, Total	76.4		%	0.100	NA	1	-	07/24/19 13:59	121,2540G	RI

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1932572
Report Date: 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-06
Client ID: SB19-52(12.5-15)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/22/19 14:45
Date Received: 07/23/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.3		%	0.100	NA	1	-	07/24/19 13:59	121,2540G	RI

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1932572
Report Date: 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-07
Client ID: SB19-53(2-4)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/22/19 10:00
Date Received: 07/23/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	37.9		%	0.100	NA	1	-	07/24/19 13:59	121,2540G	RI

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1932572
Report Date: 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-09
Client ID: SB19-54(22.5-25)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/23/19 09:30
Date Received: 07/23/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon	0.018		%	0.010	--	1	-	08/02/19 12:20	1,9060A	SP
Grain Size Analysis - Mansfield Lab										
Cobbles	ND		%	0.100	NA	1	-	07/29/19 15:24	12,D6913/D7928	MC
% Coarse Gravel	ND		%	0.100	NA	1	-	07/29/19 15:24	12,D6913/D7928	MC
% Fine Gravel	ND		%	0.100	NA	1	-	07/29/19 15:24	12,D6913/D7928	MC
% Total Gravel	ND		%	0.100	NA	1	-	07/29/19 15:24	12,D6913/D7928	MC
% Coarse Sand	ND		%	0.100	NA	1	-	07/29/19 15:24	12,D6913/D7928	MC
% Medium Sand	ND		%	0.100	NA	1	-	07/29/19 15:24	12,D6913/D7928	MC
% Fine Sand	76.2		%	0.100	NA	1	-	07/29/19 15:24	12,D6913/D7928	MC
% Total Sand	76.2		%	0.100	NA	1	-	07/29/19 15:24	12,D6913/D7928	MC
% Total Fines	23.8		%	0.100	NA	1	-	07/29/19 15:24	12,D6913/D7928	MC
General Chemistry - Westborough Lab										
Solids, Total	80.3		%	0.100	NA	1	-	07/24/19 13:59	121,2540G	RI

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1932572
Report Date: 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-10
Client ID: SB19-55(15-17)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/23/19 11:15
Date Received: 07/23/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon	0.217		%	0.010	--	1	-	08/02/19 12:26	1,9060A	SP
Grain Size Analysis - Mansfield Lab										
Cobbles	ND		%	0.100	NA	1	-	07/29/19 15:24	12,D6913/D7928	MC
% Coarse Gravel	ND		%	0.100	NA	1	-	07/29/19 15:24	12,D6913/D7928	MC
% Fine Gravel	0.400		%	0.100	NA	1	-	07/29/19 15:24	12,D6913/D7928	MC
% Total Gravel	0.400		%	0.100	NA	1	-	07/29/19 15:24	12,D6913/D7928	MC
% Coarse Sand	0.100		%	0.100	NA	1	-	07/29/19 15:24	12,D6913/D7928	MC
% Medium Sand	3.50		%	0.100	NA	1	-	07/29/19 15:24	12,D6913/D7928	MC
% Fine Sand	57.7		%	0.100	NA	1	-	07/29/19 15:24	12,D6913/D7928	MC
% Total Sand	61.3		%	0.100	NA	1	-	07/29/19 15:24	12,D6913/D7928	MC
% Total Fines	38.3		%	0.100	NA	1	-	07/29/19 15:24	12,D6913/D7928	MC
General Chemistry - Westborough Lab										
Solids, Total	79.8		%	0.100	NA	1	-	07/24/19 13:59	121,2540G	RI

Project Name: SALEM FORMER WWTF
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Lab Number: L1932572
Report Date: 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-11
Client ID: SB19-55(20-22.5)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/23/19 11:20
Date Received: 07/23/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.0		%	0.100	NA	1	-	07/24/19 13:59	121,2540G	RI

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1932572
Report Date: 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-12
Client ID: SB19-55(32.5-35)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/23/19 11:35
Date Received: 07/23/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	73.5		%	0.100	NA	1	-	07/24/19 13:59	121,2540G	RI

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1932572
Report Date: 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-13
Client ID: SB19-56(17.5-20)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/23/19 13:50
Date Received: 07/23/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.0		%	0.100	NA	1	-	07/24/19 13:59	121,2540G	RI

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1932572
Report Date: 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-14
Client ID: SB19-57(15-17.5)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/23/19 14:30
Date Received: 07/23/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.4		%	0.100	NA	1	-	07/24/19 13:59	121,2540G	RI

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1932572
Report Date: 08/02/19

SAMPLE RESULTS

Lab ID: L1932572-15
Client ID: SB19-58(10-12)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/23/19 15:30
Date Received: 07/23/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.8		%	0.100	NA	1	-	07/24/19 13:59	121,2540G	RI

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1932572
Report Date: 08/02/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab for sample(s): 05,09-10 Batch: WG1267981-1										
Total Organic Carbon	ND		%	0.010	--	1	-	08/02/19 10:34	1,9060A	SP

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 0231841

Lab Number: L1932572

Report Date: 08/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Organic Carbon - Mansfield Lab	Associated sample(s): 05,09-10		Batch: WG1267981-2					
Total Organic Carbon	92		-		75-125	-		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1932572
Report Date: 08/02/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-07,09-15 QC Batch ID: WG1263917-1 QC Sample: L1932572-03 Client ID: SB19-50(15-17.5)						
Solids, Total	78.2	77.8	%	1		20
Grain Size Analysis - Mansfield Lab Associated sample(s): 05,09-10 QC Batch ID: WG1265850-1 QC Sample: L1932572-10 Client ID: SB19-55(15-17)						
Cobbles	ND	ND	%	NC		20
% Coarse Gravel	ND	ND	%	NC		20
% Fine Gravel	0.400	ND	%	NC		20
% Total Gravel	0.400	ND	%	NC		20
% Coarse Sand	0.100	0.300	%	**100**	Q	20
% Medium Sand	3.50	3.10	%	12		20
% Fine Sand	57.7	59.4	%	3		20
% Total Sand	61.3	62.8	%	2		20
% Total Fines	38.3	37.2	%	3		20

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1932572
Report Date: 08/02/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1932572-01A	Vial MeOH preserved	A	NA		4.2	Y	Absent		8260HLW-NH(14)
L1932572-01B	Vial water preserved	A	NA		4.2	Y	Absent	24-JUL-19 03:14	8260HLW-NH(14)
L1932572-01C	Vial water preserved	A	NA		4.2	Y	Absent	24-JUL-19 03:14	8260HLW-NH(14)
L1932572-01D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L1932572-02A	Vial MeOH preserved	A	NA		4.2	Y	Absent		8260HLW-NH(14)
L1932572-02B	Vial water preserved	A	NA		4.2	Y	Absent	24-JUL-19 03:14	8260HLW-NH(14)
L1932572-02C	Vial water preserved	A	NA		4.2	Y	Absent	24-JUL-19 03:14	8260HLW-NH(14)
L1932572-02D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L1932572-03A	Vial MeOH preserved	A	NA		4.2	Y	Absent		8260HLW-NH(14)
L1932572-03A1	Vial MeOH preserved	A	NA		4.2	Y	Absent		8260HLW-NH(14)
L1932572-03A2	Vial MeOH preserved	A	NA		4.2	Y	Absent		8260HLW-NH(14)
L1932572-03B	Vial water preserved	A	NA		4.2	Y	Absent	24-JUL-19 03:14	8260HLW-NH(14)
L1932572-03B1	Vial water preserved	A	NA		4.2	Y	Absent	24-JUL-19 03:14	8260HLW-NH(14)
L1932572-03B2	Vial water preserved	A	NA		4.2	Y	Absent	24-JUL-19 03:14	8260HLW-NH(14)
L1932572-03C	Vial water preserved	A	NA		4.2	Y	Absent	24-JUL-19 03:14	8260HLW-NH(14)
L1932572-03C1	Vial water preserved	A	NA		4.2	Y	Absent	24-JUL-19 03:14	8260HLW-NH(14)
L1932572-03C2	Vial water preserved	A	NA		4.2	Y	Absent	24-JUL-19 03:14	8260HLW-NH(14)
L1932572-03D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L1932572-04A	Vial MeOH preserved	A	NA		4.2	Y	Absent		8260HLW-NH(14)
L1932572-04B	Vial water preserved	A	NA		4.2	Y	Absent	24-JUL-19 03:14	8260HLW-NH(14)
L1932572-04C	Vial water preserved	A	NA		4.2	Y	Absent	24-JUL-19 03:14	8260HLW-NH(14)
L1932572-04D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L1932572-05D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1932572-05E	Glass 120ml/4oz unpreserved	A	NA		4.2	Y	Absent		A2-TOC-9060(28)
L1932572-05F	Plastic 8oz unpreserved for Grain Size	A	NA		4.2	Y	Absent		A2-HYDRO-TFINE(),A2-HYDRO-CGRAVEL(),A2-HYDRO-FSAND(),A2-HYDRO-MSAND(),A2-HYDRO-TGRAVEL(),A2-HYDRO-CSAND(),A2-HYDRO-TSAND(),A2-HYDRO-COBBLES(),A2-HYDRO-FGRAVEL()
L1932572-06A	Vial MeOH preserved	A	NA		4.2	Y	Absent		8260HLW-NH(14)
L1932572-06B	Vial water preserved	A	NA		4.2	Y	Absent	24-JUL-19 03:14	8260HLW-NH(14)
L1932572-06C	Vial water preserved	A	NA		4.2	Y	Absent	24-JUL-19 03:14	8260HLW-NH(14)
L1932572-06D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L1932572-07A	Vial MeOH preserved	A	NA		4.2	Y	Absent		8260HLW-NH(14)
L1932572-07B	Vial water preserved	A	NA		4.2	Y	Absent	24-JUL-19 03:14	8260HLW-NH(14)
L1932572-07C	Vial water preserved	A	NA		4.2	Y	Absent	24-JUL-19 03:14	8260HLW-NH(14)
L1932572-07D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L1932572-08A	Vial MeOH preserved	A	NA		4.2	Y	Absent		8260H-NH(14),8260HLW-NH(14)
L1932572-08B	Vial water preserved	A	NA		4.2	Y	Absent	**24-JUL-19 03:14**	8260H-NH(14),8260HLW-NH(14)
L1932572-09A	Vial MeOH preserved	A	NA		4.2	Y	Absent		8260HLW-NH(14)
L1932572-09B	Vial water preserved	A	NA		4.2	Y	Absent	24-JUL-19 03:14	8260HLW-NH(14)
L1932572-09C	Vial water preserved	A	NA		4.2	Y	Absent	24-JUL-19 03:14	8260HLW-NH(14)
L1932572-09D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L1932572-09E	Glass 120ml/4oz unpreserved	A	NA		4.2	Y	Absent		A2-TOC-9060(28)
L1932572-09F	Plastic 8oz unpreserved for Grain Size	A	NA		4.2	Y	Absent		A2-HYDRO-TFINE(),A2-HYDRO-CGRAVEL(),A2-HYDRO-FSAND(),A2-HYDRO-MSAND(),A2-HYDRO-TGRAVEL(),A2-HYDRO-CSAND(),A2-HYDRO-TSAND(),A2-HYDRO-COBBLES(),A2-HYDRO-FGRAVEL()
L1932572-10D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L1932572-10E	Glass 120ml/4oz unpreserved	A	NA		4.2	Y	Absent		A2-TOC-9060(28)
L1932572-10F	Plastic 8oz unpreserved for Grain Size	A	NA		4.2	Y	Absent		A2-HYDRO-TFINE(),A2-HYDRO-CGRAVEL(),A2-HYDRO-FSAND(),A2-HYDRO-MSAND(),A2-HYDRO-TGRAVEL(),A2-HYDRO-CSAND(),A2-HYDRO-TSAND(),A2-HYDRO-COBBLES(),A2-HYDRO-FGRAVEL()
L1932572-11A	Vial MeOH preserved	A	NA		4.2	Y	Absent		8260HLW-NH(14)
L1932572-11B	Vial water preserved	A	NA		4.2	Y	Absent	24-JUL-19 03:14	8260HLW-NH(14)

*Values in parentheses indicate holding time in days

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1932572
Report Date: 08/02/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1932572-11C	Vial water preserved	A	NA		4.2	Y	Absent	24-JUL-19 03:14	8260HLW-NH(14)
L1932572-11D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L1932572-12A	Vial MeOH preserved	A	NA		4.2	Y	Absent		8260HLW-NH(14)
L1932572-12B	Vial water preserved	A	NA		4.2	Y	Absent	24-JUL-19 03:14	8260HLW-NH(14)
L1932572-12C	Vial water preserved	A	NA		4.2	Y	Absent	24-JUL-19 03:14	8260HLW-NH(14)
L1932572-12D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L1932572-13A	Vial MeOH preserved	A	NA		4.2	Y	Absent		8260HLW-NH(14)
L1932572-13B	Vial water preserved	A	NA		4.2	Y	Absent	24-JUL-19 03:14	8260HLW-NH(14)
L1932572-13C	Vial water preserved	A	NA		4.2	Y	Absent	24-JUL-19 03:14	8260HLW-NH(14)
L1932572-13D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L1932572-14A	Vial MeOH preserved	A	NA		4.2	Y	Absent		8260HLW-NH(14)
L1932572-14B	Vial water preserved	A	NA		4.2	Y	Absent	24-JUL-19 03:14	8260HLW-NH(14)
L1932572-14C	Vial water preserved	A	NA		4.2	Y	Absent	24-JUL-19 03:14	8260HLW-NH(14)
L1932572-14D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L1932572-15A	Vial MeOH preserved	A	NA		4.2	Y	Absent		8260HLW-NH(14)
L1932572-15B	Vial water preserved	A	NA		4.2	Y	Absent	24-JUL-19 03:14	8260HLW-NH(14)
L1932572-15C	Vial water preserved	A	NA		4.2	Y	Absent	24-JUL-19 03:14	8260HLW-NH(14)
L1932572-15D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1932572
Project Number:	0231841	**Report Date:**	08/02/19

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: Data Usability Report

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1932572
Project Number:	0231841	**Report Date:**	08/02/19

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: Data Usability Report

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1932572
Project Number:	0231841	**Report Date:**	08/02/19

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

12 Annual Book of ASTM Standards. (American Society for Testing and Materials) ASTM International.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

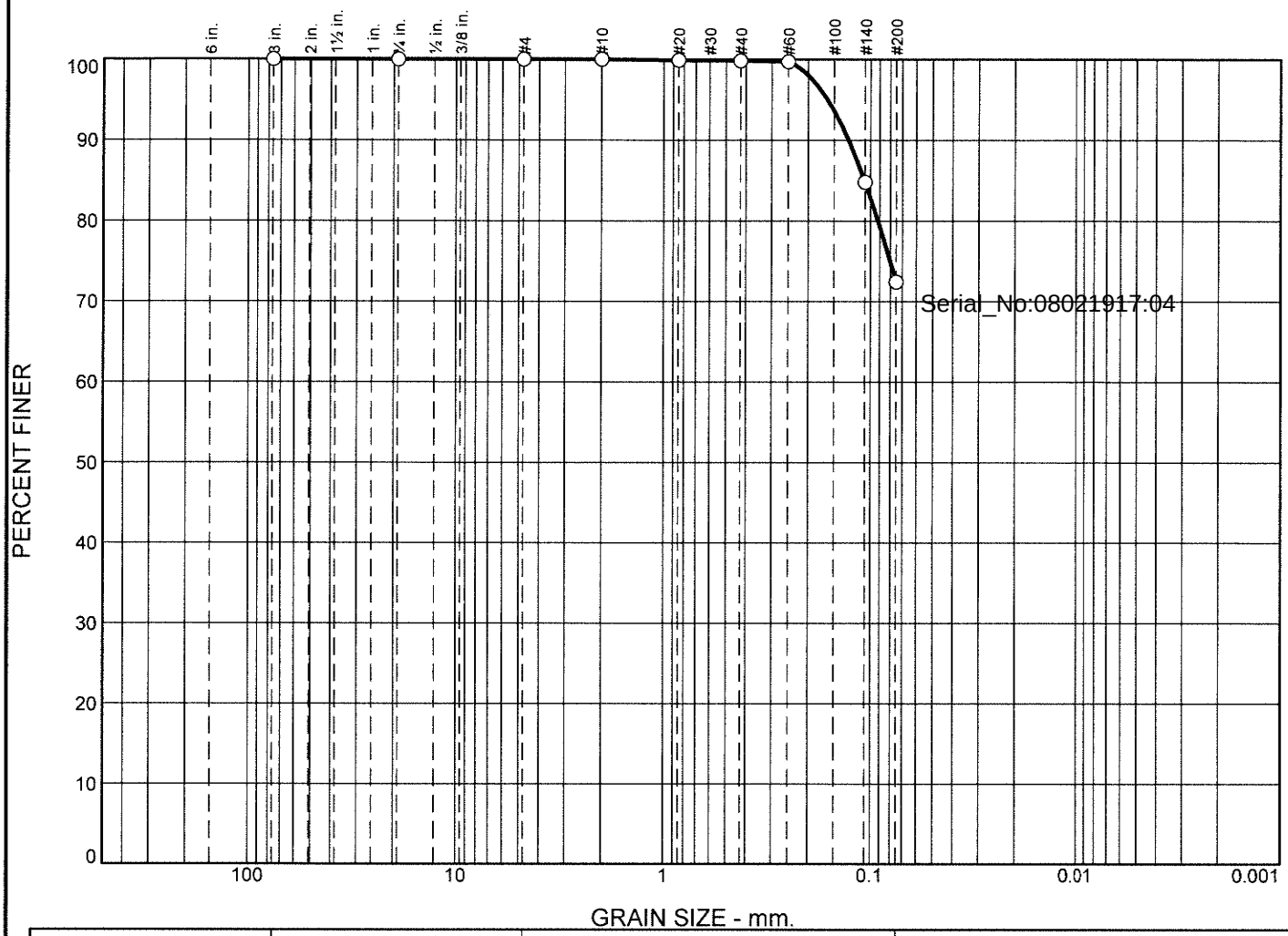
Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

ASTM D6913/D7928

GRAIN SIZE ANALYSIS

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	0.2	27.4	72.4	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				0.1067							

Material Description	USCS	AASHTO
○		

Project No. **Client:**

Project:

○ **Source of Sample:** SB19-51(10-12) **Sample Number:** L1932572-05

Date: ○

Alpha Analytical

Mansfield, MA

Remarks:

○ Sampled by CD

Tested by MCH

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

8/2/2019

Location: SB19-51(10-12)
Sample Number: L1932572-05
Testing Remarks: Sampled by CD
Tested by MCH

Sieve Test Data

Post #200 Wash Test Weights (grams): **Dry Sample and Tare =** 77.49
Tare Wt. = 0.00
Minus #200 from wash = 0.0%

Serial_No:08021917:04

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer
77.49	0.00	3	0.00	0.00	100.0
		0.75	0.00	0.00	100.0
		#4	0.00	0.00	100.0
		#10	0.00	0.00	100.0
		#20	0.09	0.00	99.9
		#40	0.04	0.00	99.8
		#60	0.09	0.00	99.7
		#140	11.56	0.00	84.8
		#200	9.58	0.00	72.4

Fractional Components

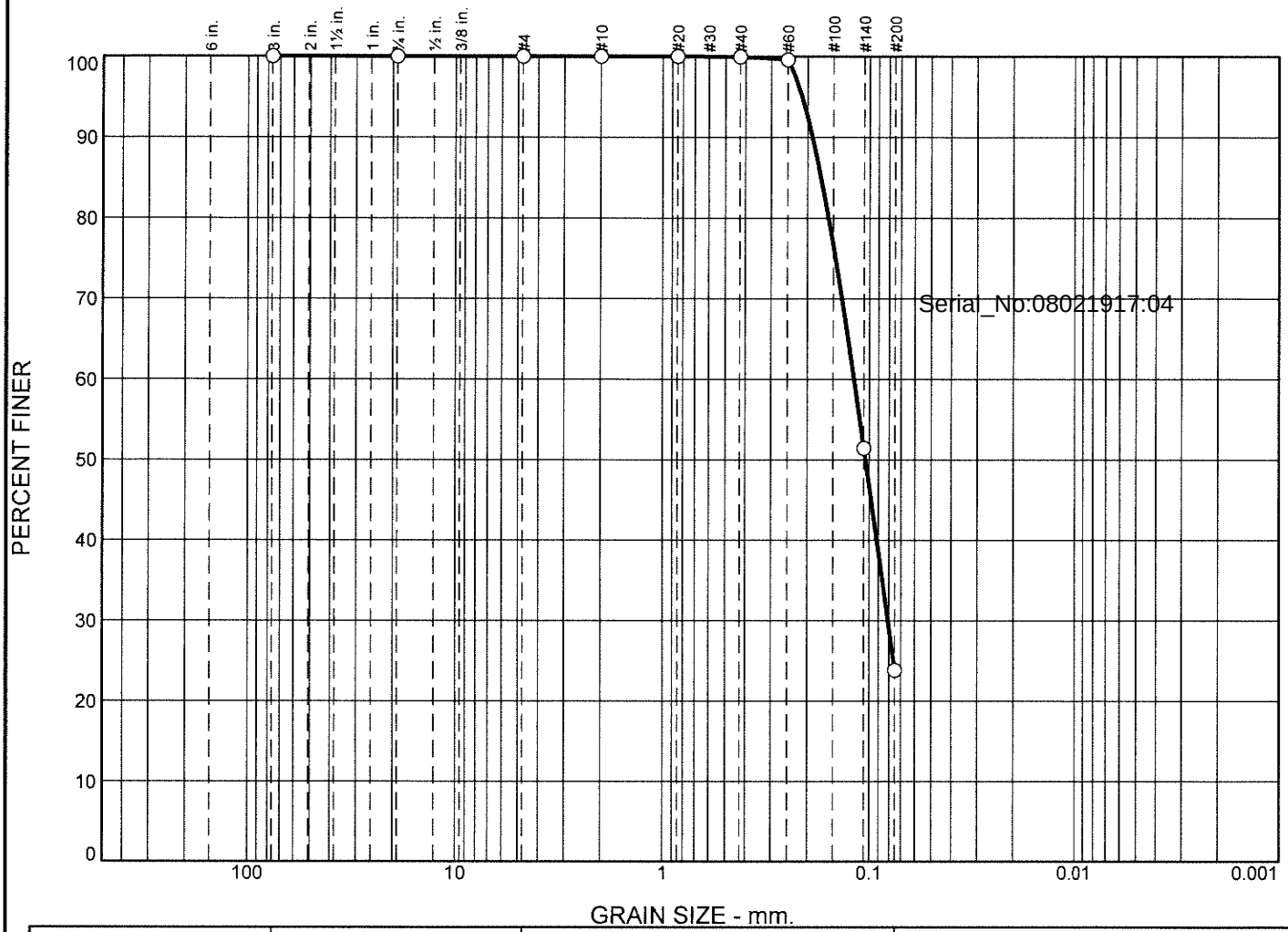
Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	0.0	0.0	0.0	0.2	27.4	27.6			72.4

D_5	D_{10}	D_{15}	D_{20}	D_{30}	D_{40}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
								0.0920	0.1067	0.1274	0.1613

Fineness Modulus
0.07

Alpha Analytical

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	0.0	76.2	23.8	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				0.1720	0.1185	0.1040	0.0810				

	Material Description	USCS	AASHTO
○			

Project No. **Client:**

Project:

○ **Source of Sample:** SB19-54(22.5-25) **Sample Number:** L1932572-09

Date: ○

Alpha Analytical

Mansfield, MA

Remarks:

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

8/2/2019

Location: SB19-54(22.5-25)

Sample Number: L1932572-09

Sieve Test Data

Post #200 Wash Test Weights (grams): **Dry Sample and Tare =** 80.09
Tare Wt. = 0.00
Minus #200 from wash = 0.0%

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer
80.09	0.00	3	0.00	0.00	100.0
		0.75	0.00	0.00	100.0
		#4	0.00	0.00	100.0
		#10	0.00	0.00	100.0
		#20	0.00	0.00	100.0
		#40	0.04	0.00	100.0
		#60	0.27	0.00	99.6
		#140	38.57	0.00	51.5
		#200	22.13	0.00	23.8

Serial_No:08021917:04

Fractional Components

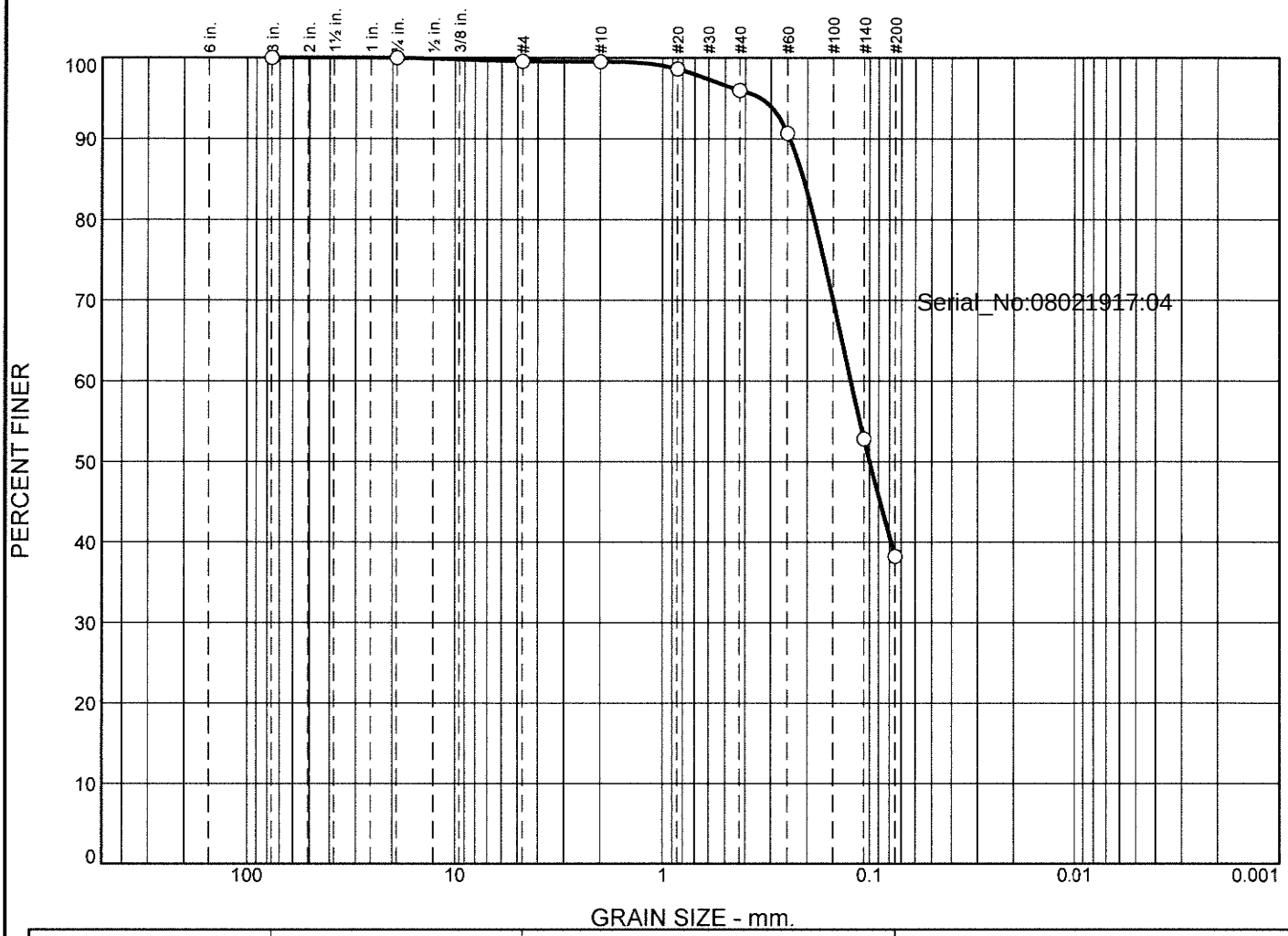
Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	0.0	0.0	0.0	0.0	76.2	76.2			23.8

D_5	D_{10}	D_{15}	D_{20}	D_{30}	D_{40}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
				0.0810	0.0917	0.1040	0.1185	0.1580	0.1720	0.1893	0.2128

Fineness Modulus
0.24

Alpha Analytical

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.4	0.1	3.5	57.7	38.3	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				0.2088	0.1230	0.0996					

	Material Description	USCS	AASHTO
○			

Project No. **Client:**

Project:

○ **Source of Sample:** SB19-55(15-17) **Sample Number:** L1932572-10

Date: ○

Alpha Analytical

Mansfield, MA

Remarks:

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

8/2/2019

Location: SB19-55(15-17)

Sample Number: L1932572-10

Sieve Test Data

Post #200 Wash Test Weights (grams): **Dry Sample and Tare =** 74.82
Tare Wt. = 0.00
Minus #200 from wash = 0.0%

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer
74.82	0.00	3	0.00	0.00	100.0
		0.75	0.00	0.00	100.0
		#4	0.32	0.00	99.6
		#10	0.04	0.00	99.5
		#20	0.67	0.00	98.6
		#40	1.97	0.00	96.0
		#60	3.96	0.00	90.7
		#140	28.35	0.00	52.8
		#200	10.89	0.00	38.3

Serial_No:08021917:04

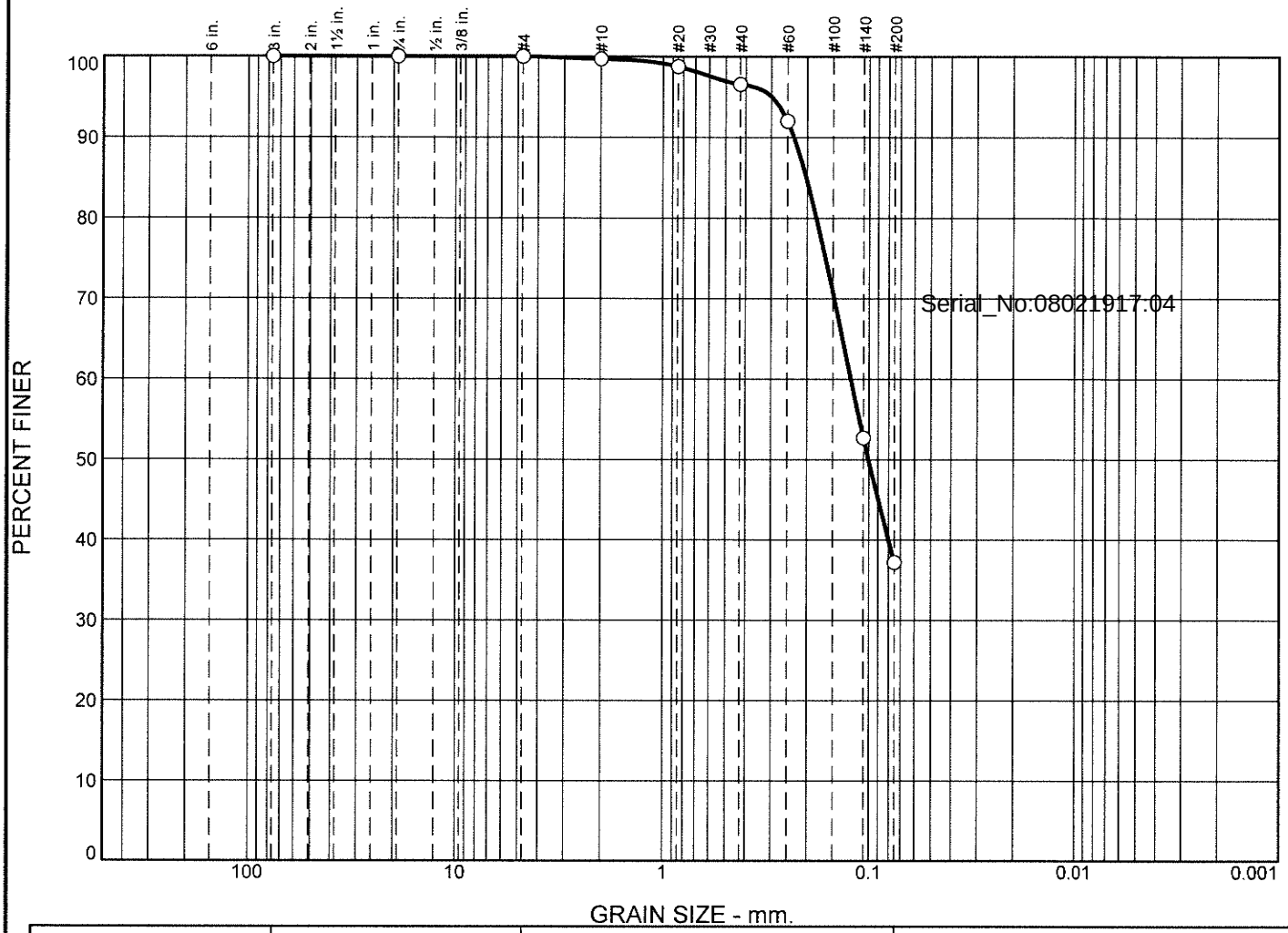
Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	0.4	0.4	0.1	3.5	57.7	61.3			38.3

D_5	D_{10}	D_{15}	D_{20}	D_{30}	D_{40}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
					0.0783	0.0996	0.1230	0.1850	0.2088	0.2433	0.3367

Fineness Modulus
0.41

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.3	3.1	59.4	37.2	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				0.2022	0.1223	0.1002					

Material Description	USCS	AASHTO
○		

Project No. **Client:**

Project:

○ **Source of Sample:** SB19-55(15-17) **Sample Number:** WG1265850-1

Date: ○

Alpha Analytical

Mansfield, MA

Remarks:

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

8/2/2019

Location: SB19-55(15-17)

Sample Number: WG1265850-1

Sieve Test Data

Post #200 Wash Test Weights (grams): **Dry Sample and Tare =** 77.62
Tare Wt. = 0.00
Minus #200 from wash = 0.0%

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer
77.62	0.00	3	0.00	0.00	100.0
		0.75	0.00	0.00	100.0
		#4	0.00	0.00	100.0
		#10	0.23	0.00	99.7
		#20	0.72	0.00	98.8
		#40	1.72	0.00	96.6
		#60	3.53	0.00	92.0
		#140	30.52	0.00	52.7
		#200	12.02	0.00	37.2

Serial_No:08021917:04

Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	0.0	0.0	0.3	3.1	59.4	62.8			37.2

D_5	D_{10}	D_{15}	D_{20}	D_{30}	D_{40}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
					0.0801	0.1002	0.1223	0.1804	0.2022	0.2324	0.2976

Fineness Modulus
0.37

Alpha Analytical

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

CHAIN OF CUSTODY

PAGE 1 OF 2

Date Rec'd in Lab: 7/23/19

ALPHA Job #: L1932572

ALPHA Analytical
8 Walkup Drive, Westboro, MA 01581, Tel: 508-898-9220
320 Forbes Blvd, Mansfield, MA 02048, Tel: 508-822-9300

Client Information

Client: Woodard & Curran
Address: 40 Shattuck Rd
Andover MA
Phone: 978-482-
Email: Kelly@woodardcurran.com
Sidney@woodardcurran.com

Additional Project Information:

Project Information

Project Name: Salem Power Plant
Project Location: Salem, NH
Project #: 0231841
Project Manager: Jarrod Yoder
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due:

Report Information - Data Deliverables

☒ ADEx ☒ EMAIL

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements & Project Information Requirements

☐ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods
☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
☐ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)
☐ Yes ☐ No NPDES RGP
☐ Other State /Fed Program _____ Criteria _____

ANALYSIS

VOC: ☐ 8260 ☐ 624 ☐ 524.2
SVOC: ☐ ABN ☐ PAH
METALS: ☐ MCP 13 ☐ MCP 14 ☐ RCP 15
METALS: ☐ RCRA5 ☐ RCRA8 ☐ PP13
EPH: ☐ Ranges & Targets ☐ Ranges Only
VPH: ☐ Ranges & Targets ☐ Ranges Only
☐ PCB ☐ PEST
TPH: ☐ Quant Only ☐ Fingerprint
% Solids
TOC
grain size

SAMPLE INFO
Filtration
☐ Field
☐ Lab to do
Preservation
☐ Lab to do

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	VOC	SVOC	METALS	METALS	EPH	VPH	PCB	TPH	% Solids	TOC	grain size			Sample Comments	TOTAL # BOTTLES
32572-01	SB19-50(10-12.5)	7/22/19	830	Soil	STO	X								X						4
02	SB19-50(10-12.5) DUP	7/22/19	830	Soil	STO	X								X						4
03	SB19-50(15-17.5)	7/22/19	930	Soil	STO	X								X					MS/MSD	10
04	SB19-51(1.5-3)	7/22/19	1120	Soil	STO	X								X						4
05	SB19-51(10-12)	7/22/19	1200	Soil	STO									X	X	X				3
06	SB19-52(12.5-15)	7/22/19	1445	Soil	STO	X								X						4
07	SB19-53(2-4)	7/22/19	1600	Soil	STO	X								X						4
08	Trip Blank	7/19/19	-	-	PC	X														2
09	SB19-54(22.5-25)	7/23/19	0930	Soil	STO	X								X	X	X				6
10	SB19-55(15-17)	7/23/19	1115	Soil	STO	X									X	X				3
	Container Type					V								P	A	P				
	Preservative					F,O								A	A	A				

Container Type
P= Plastic
A= Amber glass
V= Vial
G= Glass
B= Bacteria cup
C= Cube
O= Other
E= Encore
D= BOD Bottle

Preservative
A= None
B= HCl
C= HNO_3
D= H_2SO_4
E= NaOH
F= MeOH
G= $NaHSO_4$
H = $Na_2S_2O_3$
I= Ascorbic Acid
J = NH_4Cl
K= Zn Acetate
O= Other

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	7/23/19 1655	[signature]	7/23 1655
[signature] ABC	7/23 1755	[signature]	7/23/19 1755

All samples submitted are subject to Alpha's Terms and Conditions.
See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)

CHAIN OF CUSTODY

PAGE 2 OF 2

Date Rec'd in Lab: 7/23/19

ALPHA Job #: L1932572

ALPHA ANALYTICAL
8 Walkup Drive, Westboro, MA 01581, Tel: 508-898-9220
320 Forbes Blvd, Mansfield, MA 02048, Tel: 508-822-9300

Client Information

Client: Woodard & Curran
Address: 40 Shattuck Rd. Andover, MA
Phone: 978-452
Email: kelich@woodardcurran.com, soney@woodardcurran.com

Additional Project Information:

Project Information

Project Name: Salem Former WWTF
Project Location: Salem, NH
Project #: 0231841
Project Manager: Jarrod Yoder
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due:

Report Information - Data Deliverables

☒ ADEx ☒ EMAIL

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements & Project Information Requirements

☐ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods
☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
☐ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)
☐ Yes ☐ No NPDES RGP
☐ Other State /Fed Program _____ Criteria _____

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	ANALYSIS: VOC: ☒ 8260 ☐ 624 ☐ 524.2	SVOC: ☐ ABN ☐ PAH	METALS: ☐ MCP 13 ☐ MCP 14 ☐ RCP 15	METALS: ☐ RCRA5 ☐ RCRA8 ☐ PP13	EPH: ☐ Ranges & Targets ☐ Ranges Only	VPH: ☐ Ranges & Targets ☐ Ranges Only	☐ PCB ☐ PEST	TPH: ☐ Quant Only ☐ Fingerprint	% Solids	TOC	grain size	SAMPLE INFO: Filtration ☐ Field ☐ Lab to do; Preservation ☐ Lab to do	Sample Comments	TOTAL # BOTTLES
32572-11	SB19-55(20-22.5)	7/23/19	1120	Soil	STO	X								X					4
12	SB19-55(32.5-35)	7/23/19	1135	Soil	STO	X								X					4
13	SB19-56(17.5-20)	7/23/19	1350	Soil	STO	X								X					4
14	SB19-57(15-17.5)	7/23/19	1430	Soil	STO	X								X					4
15	SB19-58(10-12)	7/23/19	1530	Soil	STO	X								X					4

ANALYTICAL REPORT

Lab Number:	L1933405
Client:	Woodard & Curran 40 Shattuck Road Suite 110 Andover, MA 01810
ATTN:	Jarrod Yoder
Phone:	(978) 557-8150
Project Name:	SALEM FORMER WWTF
Project Number:	0231841
Report Date:	08/07/19

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1933405
Report Date: 08/07/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1933405-01	SB19-59 (15-17.5)	SOIL	SALEM, NH	07/24/19 08:50	07/26/19
L1933405-02	SB19-59 (25-27)	SOIL	SALEM, NH	07/24/19 08:55	07/26/19
L1933405-03	SB19-60 (15-17.5)	SOIL	SALEM, NH	07/24/19 10:00	07/26/19
L1933405-04	SB19-61 (7.5-10)	SOIL	SALEM, NH	07/24/19 11:40	07/26/19
L1933405-05	SB19-61 (26.75-28.5)	SOIL	SALEM, NH	07/24/19 11:45	07/26/19
L1933405-06	SB19-62 (25-27.5)	SOIL	SALEM, NH	07/24/19 13:45	07/26/19
L1933405-07	SB19-63 (17-19)	SOIL	SALEM, NH	07/24/19 14:50	07/26/19
L1933405-08	SB19-63 (30-32.5)	SOIL	SALEM, NH	07/24/19 15:30	07/26/19
L1933405-09	TRIP BLANK	SOIL	SALEM, NH	07/03/19 08:38	07/26/19

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1933405
Project Number:	0231841	**Report Date:**	08/07/19

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1933405
Project Number:	0231841	**Report Date:**	08/07/19

Case Narrative (continued)

Report Submission

August 07, 2019: This final report includes the results of all requested analyses.

August 05, 2019: This is a preliminary report.

Volatile Organics

L1933405-04: The analysis of Volatile Organics by EPA Method 5035/8260 Low Level could not be performed due to the elevated concentrations of non-target compounds in the sample.

L1933405-08: The analysis of Volatile Organics by EPA Method 5035/8260 Low Level could not be performed. Both sample vials were broken.

Total Organic Carbon

WG1266383: The required batch QC was prepared; however, the native sample required a different reporting method; therefore, the associated QC results could not be reported.

Grain Size Analysis

The WG1268001-1 Laboratory Duplicate RPDs for % fine sand (40%) and % total sand (33%), performed on L1933405-05, are outside the acceptance criteria. The elevated RPDs have been attributed to the non-homogeneous nature of the native sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 08/07/19

ORGANICS

VOLATILES

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1933405
Report Date: 08/07/19

SAMPLE RESULTS

Lab ID: L1933405-01
Client ID: SB19-59 (15-17.5)
Sample Location: SALEM, NH

Date Collected: 07/24/19 08:50
Date Received: 07/26/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/04/19 13:10
Analyst: MV
Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	680	--	1
1,1-Dichloroethane	ND		ug/kg	140	--	1
Chloroform	ND		ug/kg	200	--	1
Carbon tetrachloride	ND		ug/kg	140	--	1
1,2-Dichloropropane	ND		ug/kg	140	--	1
Dibromochloromethane	ND		ug/kg	140	--	1
1,1,2-Trichloroethane	ND		ug/kg	140	--	1
Tetrachloroethene	ND		ug/kg	68	--	1
Chlorobenzene	ND		ug/kg	68	--	1
Trichlorofluoromethane	ND		ug/kg	540	--	1
1,2-Dichloroethane	ND		ug/kg	140	--	1
1,1,1-Trichloroethane	610		ug/kg	68	--	1
Bromodichloromethane	ND		ug/kg	68	--	1
trans-1,3-Dichloropropene	ND		ug/kg	140	--	1
cis-1,3-Dichloropropene	ND		ug/kg	68	--	1
1,3-Dichloropropene, Total	ND		ug/kg	68	--	1
1,1-Dichloropropene	ND		ug/kg	68	--	1
Bromoform	ND		ug/kg	540	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	68	--	1
Benzene	ND		ug/kg	68	--	1
Toluene	200		ug/kg	140	--	1
Ethylbenzene	ND		ug/kg	140	--	1
Chloromethane	ND		ug/kg	540	--	1
Bromomethane	ND		ug/kg	270	--	1
Vinyl chloride	ND		ug/kg	140	--	1
Chloroethane	ND		ug/kg	270	--	1
1,1-Dichloroethene	ND		ug/kg	140	--	1
trans-1,2-Dichloroethene	ND		ug/kg	200	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933405

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933405-01 Date Collected: 07/24/19 08:50

Client ID: SB19-59 (15-17.5) Date Received: 07/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	11000		ug/kg	68	--	1
1,2-Dichlorobenzene	ND		ug/kg	270	--	1
1,3-Dichlorobenzene	ND		ug/kg	270	--	1
1,4-Dichlorobenzene	ND		ug/kg	270	--	1
Methyl tert butyl ether	ND		ug/kg	270	--	1
p/m-Xylene	ND		ug/kg	270	--	1
o-Xylene	ND		ug/kg	140	--	1
Xylenes, Total	ND		ug/kg	140	--	1
cis-1,2-Dichloroethene	2400		ug/kg	140	--	1
1,2-Dichloroethene, Total	2400		ug/kg	140	--	1
Dibromomethane	ND		ug/kg	270	--	1
1,2,3-Trichloropropane	ND		ug/kg	270	--	1
Styrene	ND		ug/kg	140	--	1
Dichlorodifluoromethane	ND		ug/kg	1400	--	1
Acetone	ND		ug/kg	1400	--	1
Carbon disulfide	ND		ug/kg	1400	--	1
2-Butanone	ND		ug/kg	1400	--	1
4-Methyl-2-pentanone	ND		ug/kg	1400	--	1
2-Hexanone	ND		ug/kg	1400	--	1
Bromochloromethane	ND		ug/kg	270	--	1
Tetrahydrofuran	ND		ug/kg	540	--	1
2,2-Dichloropropane	ND		ug/kg	270	--	1
1,2-Dibromoethane	ND		ug/kg	140	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	68	--	1
Bromobenzene	ND		ug/kg	270	--	1
n-Butylbenzene	ND		ug/kg	140	--	1
sec-Butylbenzene	ND		ug/kg	140	--	1
tert-Butylbenzene	ND		ug/kg	270	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	270	--	1
o-Chlorotoluene	ND		ug/kg	270	--	1
p-Chlorotoluene	ND		ug/kg	270	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	410	--	1
Hexachlorobutadiene	ND		ug/kg	540	--	1
Isopropylbenzene	ND		ug/kg	140	--	1
p-Isopropyltoluene	ND		ug/kg	140	--	1
Naphthalene	ND		ug/kg	540	--	1
n-Propylbenzene	ND		ug/kg	140	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933405

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933405-01 Date Collected: 07/24/19 08:50

Client ID: SB19-59 (15-17.5) Date Received: 07/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	270	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	270	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	270	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	270	--	1
Ethyl ether	ND		ug/kg	270	--	1
Isopropyl Ether	ND		ug/kg	270	--	1
Tert-Butyl Alcohol	ND		ug/kg	2700	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	270	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	270	--	1
1,4-Dioxane	ND		ug/kg	11000	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	90		70-130

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1933405
Report Date: 08/07/19

SAMPLE RESULTS

Lab ID: L1933405-02
Client ID: SB19-59 (25-27)
Sample Location: SALEM, NH

Date Collected: 07/24/19 08:55
Date Received: 07/26/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/04/19 13:36
Analyst: MV
Percent Solids: 73%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	780	--	1
1,1-Dichloroethane	490		ug/kg	160	--	1
Chloroform	ND		ug/kg	230	--	1
Carbon tetrachloride	ND		ug/kg	160	--	1
1,2-Dichloropropane	ND		ug/kg	160	--	1
Dibromochloromethane	ND		ug/kg	160	--	1
1,1,2-Trichloroethane	ND		ug/kg	160	--	1
Tetrachloroethene	ND		ug/kg	78	--	1
Chlorobenzene	ND		ug/kg	78	--	1
Trichlorofluoromethane	ND		ug/kg	620	--	1
1,2-Dichloroethane	ND		ug/kg	160	--	1
1,1,1-Trichloroethane	ND		ug/kg	78	--	1
Bromodichloromethane	ND		ug/kg	78	--	1
trans-1,3-Dichloropropene	ND		ug/kg	160	--	1
cis-1,3-Dichloropropene	ND		ug/kg	78	--	1
1,3-Dichloropropene, Total	ND		ug/kg	78	--	1
1,1-Dichloropropene	ND		ug/kg	78	--	1
Bromoform	ND		ug/kg	620	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	78	--	1
Benzene	ND		ug/kg	78	--	1
Toluene	540		ug/kg	160	--	1
Ethylbenzene	ND		ug/kg	160	--	1
Chloromethane	ND		ug/kg	620	--	1
Bromomethane	ND		ug/kg	310	--	1
Vinyl chloride	ND		ug/kg	160	--	1
Chloroethane	ND		ug/kg	310	--	1
1,1-Dichloroethene	ND		ug/kg	160	--	1
trans-1,2-Dichloroethene	ND		ug/kg	230	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933405

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933405-02 Date Collected: 07/24/19 08:55

Client ID: SB19-59 (25-27) Date Received: 07/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	78	--	1
1,2-Dichlorobenzene	ND		ug/kg	310	--	1
1,3-Dichlorobenzene	ND		ug/kg	310	--	1
1,4-Dichlorobenzene	ND		ug/kg	310	--	1
Methyl tert butyl ether	ND		ug/kg	310	--	1
p/m-Xylene	600		ug/kg	310	--	1
o-Xylene	ND		ug/kg	160	--	1
Xylenes, Total	600		ug/kg	160	--	1
cis-1,2-Dichloroethene	23000		ug/kg	160	--	1
1,2-Dichloroethene, Total	23000		ug/kg	160	--	1
Dibromomethane	ND		ug/kg	310	--	1
1,2,3-Trichloropropane	ND		ug/kg	310	--	1
Styrene	ND		ug/kg	160	--	1
Dichlorodifluoromethane	ND		ug/kg	1600	--	1
Acetone	ND		ug/kg	1600	--	1
Carbon disulfide	ND		ug/kg	1600	--	1
2-Butanone	ND		ug/kg	1600	--	1
4-Methyl-2-pentanone	ND		ug/kg	1600	--	1
2-Hexanone	ND		ug/kg	1600	--	1
Bromochloromethane	ND		ug/kg	310	--	1
Tetrahydrofuran	ND		ug/kg	620	--	1
2,2-Dichloropropane	ND		ug/kg	310	--	1
1,2-Dibromoethane	ND		ug/kg	160	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	78	--	1
Bromobenzene	ND		ug/kg	310	--	1
n-Butylbenzene	ND		ug/kg	160	--	1
sec-Butylbenzene	ND		ug/kg	160	--	1
tert-Butylbenzene	ND		ug/kg	310	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	310	--	1
o-Chlorotoluene	ND		ug/kg	310	--	1
p-Chlorotoluene	ND		ug/kg	310	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	470	--	1
Hexachlorobutadiene	ND		ug/kg	620	--	1
Isopropylbenzene	ND		ug/kg	160	--	1
p-Isopropyltoluene	ND		ug/kg	160	--	1
Naphthalene	ND		ug/kg	620	--	1
n-Propylbenzene	ND		ug/kg	160	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933405

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933405-02 Date Collected: 07/24/19 08:55

Client ID: SB19-59 (25-27) Date Received: 07/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	310	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	310	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	310	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	310	--	1
Ethyl ether	ND		ug/kg	310	--	1
Isopropyl Ether	ND		ug/kg	310	--	1
Tert-Butyl Alcohol	ND		ug/kg	3100	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	310	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	310	--	1
1,4-Dioxane	ND		ug/kg	12000	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	92		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1933405

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933405-03 Date Collected: 07/24/19 10:00
Client ID: SB19-60 (15-17.5) Date Received: 07/26/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/04/19 14:01
Analyst: MV
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	690	--	1
1,1-Dichloroethane	ND		ug/kg	140	--	1
Chloroform	ND		ug/kg	210	--	1
Carbon tetrachloride	ND		ug/kg	140	--	1
1,2-Dichloropropane	ND		ug/kg	140	--	1
Dibromochloromethane	ND		ug/kg	140	--	1
1,1,2-Trichloroethane	ND		ug/kg	140	--	1
Tetrachloroethene	ND		ug/kg	69	--	1
Chlorobenzene	ND		ug/kg	69	--	1
Trichlorofluoromethane	ND		ug/kg	550	--	1
1,2-Dichloroethane	ND		ug/kg	140	--	1
1,1,1-Trichloroethane	1200		ug/kg	69	--	1
Bromodichloromethane	ND		ug/kg	69	--	1
trans-1,3-Dichloropropene	ND		ug/kg	140	--	1
cis-1,3-Dichloropropene	ND		ug/kg	69	--	1
1,3-Dichloropropene, Total	ND		ug/kg	69	--	1
1,1-Dichloropropene	ND		ug/kg	69	--	1
Bromoform	ND		ug/kg	550	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	69	--	1
Benzene	ND		ug/kg	69	--	1
Toluene	340		ug/kg	140	--	1
Ethylbenzene	ND		ug/kg	140	--	1
Chloromethane	ND		ug/kg	550	--	1
Bromomethane	ND		ug/kg	280	--	1
Vinyl chloride	ND		ug/kg	140	--	1
Chloroethane	ND		ug/kg	280	--	1
1,1-Dichloroethene	ND		ug/kg	140	--	1
trans-1,2-Dichloroethene	ND		ug/kg	210	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933405

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933405-03 Date Collected: 07/24/19 10:00

Client ID: SB19-60 (15-17.5) Date Received: 07/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	19000		ug/kg	69	--	1
1,2-Dichlorobenzene	ND		ug/kg	280	--	1
1,3-Dichlorobenzene	ND		ug/kg	280	--	1
1,4-Dichlorobenzene	ND		ug/kg	280	--	1
Methyl tert butyl ether	ND		ug/kg	280	--	1
p/m-Xylene	ND		ug/kg	280	--	1
o-Xylene	ND		ug/kg	140	--	1
Xylenes, Total	ND		ug/kg	140	--	1
cis-1,2-Dichloroethene	1500		ug/kg	140	--	1
1,2-Dichloroethene, Total	1500		ug/kg	140	--	1
Dibromomethane	ND		ug/kg	280	--	1
1,2,3-Trichloropropane	ND		ug/kg	280	--	1
Styrene	ND		ug/kg	140	--	1
Dichlorodifluoromethane	ND		ug/kg	1400	--	1
Acetone	ND		ug/kg	1400	--	1
Carbon disulfide	ND		ug/kg	1400	--	1
2-Butanone	ND		ug/kg	1400	--	1
4-Methyl-2-pentanone	ND		ug/kg	1400	--	1
2-Hexanone	ND		ug/kg	1400	--	1
Bromochloromethane	ND		ug/kg	280	--	1
Tetrahydrofuran	ND		ug/kg	550	--	1
2,2-Dichloropropane	ND		ug/kg	280	--	1
1,2-Dibromoethane	ND		ug/kg	140	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	69	--	1
Bromobenzene	ND		ug/kg	280	--	1
n-Butylbenzene	ND		ug/kg	140	--	1
sec-Butylbenzene	ND		ug/kg	140	--	1
tert-Butylbenzene	ND		ug/kg	280	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	280	--	1
o-Chlorotoluene	ND		ug/kg	280	--	1
p-Chlorotoluene	ND		ug/kg	280	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	410	--	1
Hexachlorobutadiene	ND		ug/kg	550	--	1
Isopropylbenzene	ND		ug/kg	140	--	1
p-Isopropyltoluene	ND		ug/kg	140	--	1
Naphthalene	ND		ug/kg	550	--	1
n-Propylbenzene	ND		ug/kg	140	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933405

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933405-03 Date Collected: 07/24/19 10:00

Client ID: SB19-60 (15-17.5) Date Received: 07/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	280	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	280	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	280	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	280	--	1
Ethyl ether	ND		ug/kg	280	--	1
Isopropyl Ether	ND		ug/kg	280	--	1
Tert-Butyl Alcohol	ND		ug/kg	2800	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	280	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	280	--	1
1,4-Dioxane	ND		ug/kg	11000	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	91		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1933405

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933405-04 Date Collected: 07/24/19 11:40
Client ID: SB19-61 (7.5-10) Date Received: 07/26/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/04/19 14:27
Analyst: MV
Percent Solids: 74%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	720	--	1
1,1-Dichloroethane	ND		ug/kg	140	--	1
Chloroform	ND		ug/kg	220	--	1
Carbon tetrachloride	ND		ug/kg	140	--	1
1,2-Dichloropropane	ND		ug/kg	140	--	1
Dibromochloromethane	ND		ug/kg	140	--	1
1,1,2-Trichloroethane	ND		ug/kg	140	--	1
Tetrachloroethene	ND		ug/kg	72	--	1
Chlorobenzene	ND		ug/kg	72	--	1
Trichlorofluoromethane	ND		ug/kg	570	--	1
1,2-Dichloroethane	ND		ug/kg	140	--	1
1,1,1-Trichloroethane	ND		ug/kg	72	--	1
Bromodichloromethane	ND		ug/kg	72	--	1
trans-1,3-Dichloropropene	ND		ug/kg	140	--	1
cis-1,3-Dichloropropene	ND		ug/kg	72	--	1
1,3-Dichloropropene, Total	ND		ug/kg	72	--	1
1,1-Dichloropropene	ND		ug/kg	72	--	1
Bromoform	ND		ug/kg	570	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	72	--	1
Benzene	ND		ug/kg	72	--	1
Toluene	ND		ug/kg	140	--	1
Ethylbenzene	ND		ug/kg	140	--	1
Chloromethane	ND		ug/kg	570	--	1
Bromomethane	ND		ug/kg	290	--	1
Vinyl chloride	ND		ug/kg	140	--	1
Chloroethane	ND		ug/kg	290	--	1
1,1-Dichloroethene	ND		ug/kg	140	--	1
trans-1,2-Dichloroethene	ND		ug/kg	220	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933405

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933405-04 Date Collected: 07/24/19 11:40

Client ID: SB19-61 (7.5-10) Date Received: 07/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	72	--	1
1,2-Dichlorobenzene	ND		ug/kg	290	--	1
1,3-Dichlorobenzene	ND		ug/kg	290	--	1
1,4-Dichlorobenzene	ND		ug/kg	290	--	1
Methyl tert butyl ether	ND		ug/kg	290	--	1
p/m-Xylene	ND		ug/kg	290	--	1
o-Xylene	ND		ug/kg	140	--	1
Xylenes, Total	ND		ug/kg	140	--	1
cis-1,2-Dichloroethene	ND		ug/kg	140	--	1
1,2-Dichloroethene, Total	ND		ug/kg	140	--	1
Dibromomethane	ND		ug/kg	290	--	1
1,2,3-Trichloropropane	ND		ug/kg	290	--	1
Styrene	ND		ug/kg	140	--	1
Dichlorodifluoromethane	ND		ug/kg	1400	--	1
Acetone	ND		ug/kg	1400	--	1
Carbon disulfide	ND		ug/kg	1400	--	1
2-Butanone	ND		ug/kg	1400	--	1
4-Methyl-2-pentanone	ND		ug/kg	1400	--	1
2-Hexanone	ND		ug/kg	1400	--	1
Bromochloromethane	ND		ug/kg	290	--	1
Tetrahydrofuran	ND		ug/kg	570	--	1
2,2-Dichloropropane	ND		ug/kg	290	--	1
1,2-Dibromoethane	ND		ug/kg	140	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	72	--	1
Bromobenzene	ND		ug/kg	290	--	1
n-Butylbenzene	200		ug/kg	140	--	1
sec-Butylbenzene	ND		ug/kg	140	--	1
tert-Butylbenzene	ND		ug/kg	290	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	290	--	1
o-Chlorotoluene	ND		ug/kg	290	--	1
p-Chlorotoluene	ND		ug/kg	290	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	430	--	1
Hexachlorobutadiene	ND		ug/kg	570	--	1
Isopropylbenzene	ND		ug/kg	140	--	1
p-Isopropyltoluene	ND		ug/kg	140	--	1
Naphthalene	ND		ug/kg	570	--	1
n-Propylbenzene	ND		ug/kg	140	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933405

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933405-04 Date Collected: 07/24/19 11:40

Client ID: SB19-61 (7.5-10) Date Received: 07/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	290	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	290	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	290	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	290	--	1
Ethyl ether	ND		ug/kg	290	--	1
Isopropyl Ether	ND		ug/kg	290	--	1
Tert-Butyl Alcohol	ND		ug/kg	2900	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	290	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	290	--	1
1,4-Dioxane	ND		ug/kg	11000	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	92		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1933405

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933405-06 Date Collected: 07/24/19 13:45
Client ID: SB19-62 (25-27.5) Date Received: 07/26/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/04/19 14:53
Analyst: MV
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	670	--	1
1,1-Dichloroethane	ND		ug/kg	130	--	1
Chloroform	ND		ug/kg	200	--	1
Carbon tetrachloride	ND		ug/kg	130	--	1
1,2-Dichloropropane	ND		ug/kg	130	--	1
Dibromochloromethane	ND		ug/kg	130	--	1
1,1,2-Trichloroethane	ND		ug/kg	130	--	1
Tetrachloroethene	ND		ug/kg	67	--	1
Chlorobenzene	ND		ug/kg	67	--	1
Trichlorofluoromethane	ND		ug/kg	530	--	1
1,2-Dichloroethane	ND		ug/kg	130	--	1
1,1,1-Trichloroethane	360		ug/kg	67	--	1
Bromodichloromethane	ND		ug/kg	67	--	1
trans-1,3-Dichloropropene	ND		ug/kg	130	--	1
cis-1,3-Dichloropropene	ND		ug/kg	67	--	1
1,3-Dichloropropene, Total	ND		ug/kg	67	--	1
1,1-Dichloropropene	ND		ug/kg	67	--	1
Bromoform	ND		ug/kg	530	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	67	--	1
Benzene	ND		ug/kg	67	--	1
Toluene	140		ug/kg	130	--	1
Ethylbenzene	ND		ug/kg	130	--	1
Chloromethane	ND		ug/kg	530	--	1
Bromomethane	ND		ug/kg	270	--	1
Vinyl chloride	ND		ug/kg	130	--	1
Chloroethane	ND		ug/kg	270	--	1
1,1-Dichloroethene	ND		ug/kg	130	--	1
trans-1,2-Dichloroethene	ND		ug/kg	200	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933405

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933405-06 Date Collected: 07/24/19 13:45

Client ID: SB19-62 (25-27.5) Date Received: 07/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	12000		ug/kg	67	--	1
1,2-Dichlorobenzene	ND		ug/kg	270	--	1
1,3-Dichlorobenzene	ND		ug/kg	270	--	1
1,4-Dichlorobenzene	ND		ug/kg	270	--	1
Methyl tert butyl ether	ND		ug/kg	270	--	1
p/m-Xylene	ND		ug/kg	270	--	1
o-Xylene	ND		ug/kg	130	--	1
Xylenes, Total	ND		ug/kg	130	--	1
cis-1,2-Dichloroethene	ND		ug/kg	130	--	1
1,2-Dichloroethene, Total	ND		ug/kg	130	--	1
Dibromomethane	ND		ug/kg	270	--	1
1,2,3-Trichloropropane	ND		ug/kg	270	--	1
Styrene	ND		ug/kg	130	--	1
Dichlorodifluoromethane	ND		ug/kg	1300	--	1
Acetone	ND		ug/kg	1300	--	1
Carbon disulfide	ND		ug/kg	1300	--	1
2-Butanone	ND		ug/kg	1300	--	1
4-Methyl-2-pentanone	ND		ug/kg	1300	--	1
2-Hexanone	ND		ug/kg	1300	--	1
Bromochloromethane	ND		ug/kg	270	--	1
Tetrahydrofuran	ND		ug/kg	530	--	1
2,2-Dichloropropane	ND		ug/kg	270	--	1
1,2-Dibromoethane	ND		ug/kg	130	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	67	--	1
Bromobenzene	ND		ug/kg	270	--	1
n-Butylbenzene	ND		ug/kg	130	--	1
sec-Butylbenzene	ND		ug/kg	130	--	1
tert-Butylbenzene	ND		ug/kg	270	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	270	--	1
o-Chlorotoluene	ND		ug/kg	270	--	1
p-Chlorotoluene	ND		ug/kg	270	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	400	--	1
Hexachlorobutadiene	ND		ug/kg	530	--	1
Isopropylbenzene	ND		ug/kg	130	--	1
p-Isopropyltoluene	ND		ug/kg	130	--	1
Naphthalene	ND		ug/kg	530	--	1
n-Propylbenzene	ND		ug/kg	130	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933405

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933405-06 Date Collected: 07/24/19 13:45

Client ID: SB19-62 (25-27.5) Date Received: 07/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	270	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	270	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	270	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	270	--	1
Ethyl ether	ND		ug/kg	270	--	1
Isopropyl Ether	ND		ug/kg	270	--	1
Tert-Butyl Alcohol	ND		ug/kg	2700	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	270	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	270	--	1
1,4-Dioxane	ND		ug/kg	11000	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	90		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1933405

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933405-07 D
Client ID: SB19-63 (17-19)
Sample Location: SALEM, NH

Date Collected: 07/24/19 14:50
Date Received: 07/26/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/05/19 07:51
Analyst: MV
Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	1400	--	2
1,1-Dichloroethane	ND		ug/kg	280	--	2
Chloroform	ND		ug/kg	430	--	2
Carbon tetrachloride	ND		ug/kg	280	--	2
1,2-Dichloropropane	ND		ug/kg	280	--	2
Dibromochloromethane	ND		ug/kg	280	--	2
1,1,2-Trichloroethane	ND		ug/kg	280	--	2
Tetrachloroethene	ND		ug/kg	140	--	2
Chlorobenzene	ND		ug/kg	140	--	2
Trichlorofluoromethane	ND		ug/kg	1100	--	2
1,2-Dichloroethane	ND		ug/kg	280	--	2
1,1,1-Trichloroethane	2000		ug/kg	140	--	2
Bromodichloromethane	ND		ug/kg	140	--	2
trans-1,3-Dichloropropene	ND		ug/kg	280	--	2
cis-1,3-Dichloropropene	ND		ug/kg	140	--	2
1,3-Dichloropropene, Total	ND		ug/kg	140	--	2
1,1-Dichloropropene	ND		ug/kg	140	--	2
Bromoform	ND		ug/kg	1100	--	2
1,1,2,2-Tetrachloroethane	ND		ug/kg	140	--	2
Benzene	ND		ug/kg	140	--	2
Toluene	700		ug/kg	280	--	2
Ethylbenzene	ND		ug/kg	280	--	2
Chloromethane	ND		ug/kg	1100	--	2
Bromomethane	ND		ug/kg	570	--	2
Vinyl chloride	ND		ug/kg	280	--	2
Chloroethane	ND		ug/kg	570	--	2
1,1-Dichloroethene	310		ug/kg	280	--	2
trans-1,2-Dichloroethene	ND		ug/kg	430	--	2

Project Name: SALEM FORMER WWTF **Lab Number:** L1933405

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933405-07 D
Client ID: SB19-63 (17-19)
Sample Location: SALEM, NH

Date Collected: 07/24/19 14:50
Date Received: 07/26/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	59000		ug/kg	140	--	2
1,2-Dichlorobenzene	ND		ug/kg	570	--	2
1,3-Dichlorobenzene	ND		ug/kg	570	--	2
1,4-Dichlorobenzene	ND		ug/kg	570	--	2
Methyl tert butyl ether	ND		ug/kg	570	--	2
p/m-Xylene	ND		ug/kg	570	--	2
o-Xylene	ND		ug/kg	280	--	2
Xylenes, Total	ND		ug/kg	280	--	2
cis-1,2-Dichloroethene	2300		ug/kg	280	--	2
1,2-Dichloroethene, Total	2300		ug/kg	280	--	2
Dibromomethane	ND		ug/kg	570	--	2
1,2,3-Trichloropropane	ND		ug/kg	570	--	2
Styrene	ND		ug/kg	280	--	2
Dichlorodifluoromethane	ND		ug/kg	2800	--	2
Acetone	ND		ug/kg	2800	--	2
Carbon disulfide	ND		ug/kg	2800	--	2
2-Butanone	ND		ug/kg	2800	--	2
4-Methyl-2-pentanone	ND		ug/kg	2800	--	2
2-Hexanone	ND		ug/kg	2800	--	2
Bromochloromethane	ND		ug/kg	570	--	2
Tetrahydrofuran	ND		ug/kg	1100	--	2
2,2-Dichloropropane	ND		ug/kg	570	--	2
1,2-Dibromoethane	ND		ug/kg	280	--	2
1,1,1,2-Tetrachloroethane	ND		ug/kg	140	--	2
Bromobenzene	ND		ug/kg	570	--	2
n-Butylbenzene	ND		ug/kg	280	--	2
sec-Butylbenzene	ND		ug/kg	280	--	2
tert-Butylbenzene	ND		ug/kg	570	--	2
1,3,5-Trichlorobenzene	ND		ug/kg	570	--	2
o-Chlorotoluene	ND		ug/kg	570	--	2
p-Chlorotoluene	ND		ug/kg	570	--	2
1,2-Dibromo-3-chloropropane	ND		ug/kg	850	--	2
Hexachlorobutadiene	ND		ug/kg	1100	--	2
Isopropylbenzene	ND		ug/kg	280	--	2
p-Isopropyltoluene	ND		ug/kg	280	--	2
Naphthalene	ND		ug/kg	1100	--	2
n-Propylbenzene	ND		ug/kg	280	--	2

Project Name: SALEM FORMER WWTF **Lab Number:** L1933405

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933405-07 D
Client ID: SB19-63 (17-19)
Sample Location: SALEM, NH

Date Collected: 07/24/19 14:50
Date Received: 07/26/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	570	--	2
1,2,4-Trichlorobenzene	ND		ug/kg	570	--	2
1,3,5-Trimethylbenzene	ND		ug/kg	570	--	2
1,2,4-Trimethylbenzene	ND		ug/kg	570	--	2
Ethyl ether	ND		ug/kg	570	--	2
Isopropyl Ether	ND		ug/kg	570	--	2
Tert-Butyl Alcohol	ND		ug/kg	5700	--	2
Ethyl-Tert-Butyl-Ether	ND		ug/kg	570	--	2
Tertiary-Amyl Methyl Ether	ND		ug/kg	570	--	2
1,4-Dioxane	ND		ug/kg	23000	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	89		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1933405

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933405-08 Date Collected: 07/24/19 15:30
Client ID: SB19-63 (30-32.5) Date Received: 07/26/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/05/19 07:25
Analyst: MV
Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	670	--	1
1,1-Dichloroethane	ND		ug/kg	130	--	1
Chloroform	ND		ug/kg	200	--	1
Carbon tetrachloride	ND		ug/kg	130	--	1
1,2-Dichloropropane	ND		ug/kg	130	--	1
Dibromochloromethane	ND		ug/kg	130	--	1
1,1,2-Trichloroethane	ND		ug/kg	130	--	1
Tetrachloroethene	ND		ug/kg	67	--	1
Chlorobenzene	ND		ug/kg	67	--	1
Trichlorofluoromethane	ND		ug/kg	540	--	1
1,2-Dichloroethane	ND		ug/kg	130	--	1
1,1,1-Trichloroethane	ND		ug/kg	67	--	1
Bromodichloromethane	ND		ug/kg	67	--	1
trans-1,3-Dichloropropene	ND		ug/kg	130	--	1
cis-1,3-Dichloropropene	ND		ug/kg	67	--	1
1,3-Dichloropropene, Total	ND		ug/kg	67	--	1
1,1-Dichloropropene	ND		ug/kg	67	--	1
Bromoform	ND		ug/kg	540	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	67	--	1
Benzene	ND		ug/kg	67	--	1
Toluene	ND		ug/kg	130	--	1
Ethylbenzene	ND		ug/kg	130	--	1
Chloromethane	ND		ug/kg	540	--	1
Bromomethane	ND		ug/kg	270	--	1
Vinyl chloride	ND		ug/kg	130	--	1
Chloroethane	ND		ug/kg	270	--	1
1,1-Dichloroethene	ND		ug/kg	130	--	1
trans-1,2-Dichloroethene	ND		ug/kg	200	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933405

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933405-08 Date Collected: 07/24/19 15:30

Client ID: SB19-63 (30-32.5) Date Received: 07/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	100		ug/kg	67	--	1
1,2-Dichlorobenzene	ND		ug/kg	270	--	1
1,3-Dichlorobenzene	ND		ug/kg	270	--	1
1,4-Dichlorobenzene	ND		ug/kg	270	--	1
Methyl tert butyl ether	ND		ug/kg	270	--	1
p/m-Xylene	ND		ug/kg	270	--	1
o-Xylene	ND		ug/kg	130	--	1
Xylenes, Total	ND		ug/kg	130	--	1
cis-1,2-Dichloroethene	ND		ug/kg	130	--	1
1,2-Dichloroethene, Total	ND		ug/kg	130	--	1
Dibromomethane	ND		ug/kg	270	--	1
1,2,3-Trichloropropane	ND		ug/kg	270	--	1
Styrene	ND		ug/kg	130	--	1
Dichlorodifluoromethane	ND		ug/kg	1300	--	1
Acetone	ND		ug/kg	1300	--	1
Carbon disulfide	ND		ug/kg	1300	--	1
2-Butanone	ND		ug/kg	1300	--	1
4-Methyl-2-pentanone	ND		ug/kg	1300	--	1
2-Hexanone	ND		ug/kg	1300	--	1
Bromochloromethane	ND		ug/kg	270	--	1
Tetrahydrofuran	ND		ug/kg	540	--	1
2,2-Dichloropropane	ND		ug/kg	270	--	1
1,2-Dibromoethane	ND		ug/kg	130	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	67	--	1
Bromobenzene	ND		ug/kg	270	--	1
n-Butylbenzene	ND		ug/kg	130	--	1
sec-Butylbenzene	ND		ug/kg	130	--	1
tert-Butylbenzene	ND		ug/kg	270	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	270	--	1
o-Chlorotoluene	ND		ug/kg	270	--	1
p-Chlorotoluene	ND		ug/kg	270	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	400	--	1
Hexachlorobutadiene	ND		ug/kg	540	--	1
Isopropylbenzene	ND		ug/kg	130	--	1
p-Isopropyltoluene	ND		ug/kg	130	--	1
Naphthalene	ND		ug/kg	540	--	1
n-Propylbenzene	ND		ug/kg	130	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933405

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933405-08 Date Collected: 07/24/19 15:30

Client ID: SB19-63 (30-32.5) Date Received: 07/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	270	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	270	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	270	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	270	--	1
Ethyl ether	ND		ug/kg	270	--	1
Isopropyl Ether	ND		ug/kg	270	--	1
Tert-Butyl Alcohol	ND		ug/kg	2700	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	270	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	270	--	1
1,4-Dioxane	ND		ug/kg	11000	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	85		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	87		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1933405

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933405-09 Date Collected: 07/03/19 08:38
Client ID: TRIP BLANK Date Received: 07/26/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/04/19 10:59
Analyst: MV
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	250	--	1
1,1-Dichloroethane	ND		ug/kg	50	--	1
Chloroform	ND		ug/kg	75	--	1
Carbon tetrachloride	ND		ug/kg	50	--	1
1,2-Dichloropropane	ND		ug/kg	50	--	1
Dibromochloromethane	ND		ug/kg	50	--	1
1,1,2-Trichloroethane	ND		ug/kg	50	--	1
Tetrachloroethene	ND		ug/kg	25	--	1
Chlorobenzene	ND		ug/kg	25	--	1
Trichlorofluoromethane	ND		ug/kg	200	--	1
1,2-Dichloroethane	ND		ug/kg	50	--	1
1,1,1-Trichloroethane	ND		ug/kg	25	--	1
Bromodichloromethane	ND		ug/kg	25	--	1
trans-1,3-Dichloropropene	ND		ug/kg	50	--	1
cis-1,3-Dichloropropene	ND		ug/kg	25	--	1
1,3-Dichloropropene, Total	ND		ug/kg	25	--	1
1,1-Dichloropropene	ND		ug/kg	25	--	1
Bromoform	ND		ug/kg	200	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	--	1
Benzene	ND		ug/kg	25	--	1
Toluene	ND		ug/kg	50	--	1
Ethylbenzene	ND		ug/kg	50	--	1
Chloromethane	ND		ug/kg	200	--	1
Bromomethane	ND		ug/kg	100	--	1
Vinyl chloride	ND		ug/kg	50	--	1
Chloroethane	ND		ug/kg	100	--	1
1,1-Dichloroethene	ND		ug/kg	50	--	1
trans-1,2-Dichloroethene	ND		ug/kg	75	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933405

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933405-09 Date Collected: 07/03/19 08:38

Client ID: TRIP BLANK Date Received: 07/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	25	--	1
1,2-Dichlorobenzene	ND		ug/kg	100	--	1
1,3-Dichlorobenzene	ND		ug/kg	100	--	1
1,4-Dichlorobenzene	ND		ug/kg	100	--	1
Methyl tert butyl ether	ND		ug/kg	100	--	1
p/m-Xylene	ND		ug/kg	100	--	1
o-Xylene	ND		ug/kg	50	--	1
Xylenes, Total	ND		ug/kg	50	--	1
cis-1,2-Dichloroethene	ND		ug/kg	50	--	1
1,2-Dichloroethene, Total	ND		ug/kg	50	--	1
Dibromomethane	ND		ug/kg	100	--	1
1,2,3-Trichloropropane	ND		ug/kg	100	--	1
Styrene	ND		ug/kg	50	--	1
Dichlorodifluoromethane	ND		ug/kg	500	--	1
Acetone	ND		ug/kg	500	--	1
Carbon disulfide	ND		ug/kg	500	--	1
2-Butanone	ND		ug/kg	500	--	1
4-Methyl-2-pentanone	ND		ug/kg	500	--	1
2-Hexanone	ND		ug/kg	500	--	1
Bromochloromethane	ND		ug/kg	100	--	1
Tetrahydrofuran	ND		ug/kg	200	--	1
2,2-Dichloropropane	ND		ug/kg	100	--	1
1,2-Dibromoethane	ND		ug/kg	50	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	--	1
Bromobenzene	ND		ug/kg	100	--	1
n-Butylbenzene	ND		ug/kg	50	--	1
sec-Butylbenzene	ND		ug/kg	50	--	1
tert-Butylbenzene	ND		ug/kg	100	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	100	--	1
o-Chlorotoluene	ND		ug/kg	100	--	1
p-Chlorotoluene	ND		ug/kg	100	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	--	1
Hexachlorobutadiene	ND		ug/kg	200	--	1
Isopropylbenzene	ND		ug/kg	50	--	1
p-Isopropyltoluene	ND		ug/kg	50	--	1
Naphthalene	ND		ug/kg	200	--	1
n-Propylbenzene	ND		ug/kg	50	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933405

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933405-09 Date Collected: 07/03/19 08:38

Client ID: TRIP BLANK Date Received: 07/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	100	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	100	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	100	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	100	--	1
Ethyl ether	ND		ug/kg	100	--	1
Isopropyl Ether	ND		ug/kg	100	--	1
Tert-Butyl Alcohol	ND		ug/kg	1000	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	100	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	100	--	1
1,4-Dioxane	ND		ug/kg	4000	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	89		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1933405

Project Number: 0231841 **Report Date:** 08/07/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/04/19 10:33
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01-04,06,09 Batch: WG1268551-5					
Methylene chloride	ND		ug/kg	250	--
1,1-Dichloroethane	ND		ug/kg	50	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	50	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	50	--
Tetrachloroethene	ND		ug/kg	25	--
Chlorobenzene	ND		ug/kg	25	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	25	--
Bromodichloromethane	ND		ug/kg	25	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	25	--
1,3-Dichloropropene, Total	ND		ug/kg	25	--
1,1-Dichloropropene	ND		ug/kg	25	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	--
Benzene	ND		ug/kg	25	--
Toluene	ND		ug/kg	50	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	50	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	25	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1933405

Project Number: 0231841 **Report Date:** 08/07/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/04/19 10:33
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01-04,06,09 Batch: WG1268551-5					
1,2-Dichlorobenzene	ND		ug/kg	100	--
1,3-Dichlorobenzene	ND		ug/kg	100	--
1,4-Dichlorobenzene	ND		ug/kg	100	--
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	50	--
Xylenes, Total	ND		ug/kg	50	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
1,2-Dichloroethene, Total	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	100	--
1,2,3-Trichloropropane	ND		ug/kg	100	--
Styrene	ND		ug/kg	50	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	500	--
Carbon disulfide	ND		ug/kg	500	--
2-Butanone	ND		ug/kg	500	--
4-Methyl-2-pentanone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	100	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	100	--
1,2-Dibromoethane	ND		ug/kg	50	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	--
Bromobenzene	ND		ug/kg	100	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	100	--
1,3,5-Trichlorobenzene	ND		ug/kg	100	--
o-Chlorotoluene	ND		ug/kg	100	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1933405

Project Number: 0231841 **Report Date:** 08/07/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/04/19 10:33
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01-04,06,09 Batch: WG1268551-5					
p-Chlorotoluene	ND		ug/kg	100	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--
1,2,3-Trichlorobenzene	ND		ug/kg	100	--
1,2,4-Trichlorobenzene	ND		ug/kg	100	--
1,3,5-Trimethylbenzene	ND		ug/kg	100	--
1,2,4-Trimethylbenzene	ND		ug/kg	100	--
Ethyl ether	ND		ug/kg	100	--
Isopropyl Ether	ND		ug/kg	100	--
Tert-Butyl Alcohol	ND		ug/kg	1000	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	100	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	100	--
1,4-Dioxane	ND		ug/kg	4000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	90		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1933405

Project Number: 0231841 **Report Date:** 08/07/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/05/19 06:59
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 07-08 Batch: WG1268599-5					
Methylene chloride	ND		ug/kg	250	--
1,1-Dichloroethane	ND		ug/kg	50	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	50	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	50	--
Tetrachloroethene	ND		ug/kg	25	--
Chlorobenzene	ND		ug/kg	25	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	25	--
Bromodichloromethane	ND		ug/kg	25	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	25	--
1,3-Dichloropropene, Total	ND		ug/kg	25	--
1,1-Dichloropropene	ND		ug/kg	25	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	--
Benzene	ND		ug/kg	25	--
Toluene	ND		ug/kg	50	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	50	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	25	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1933405

Project Number: 0231841 **Report Date:** 08/07/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/05/19 06:59
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 07-08 Batch: WG1268599-5					
1,2-Dichlorobenzene	ND		ug/kg	100	--
1,3-Dichlorobenzene	ND		ug/kg	100	--
1,4-Dichlorobenzene	ND		ug/kg	100	--
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	50	--
Xylenes, Total	ND		ug/kg	50	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
1,2-Dichloroethene, Total	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	100	--
1,2,3-Trichloropropane	ND		ug/kg	100	--
Styrene	ND		ug/kg	50	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	500	--
Carbon disulfide	ND		ug/kg	500	--
2-Butanone	ND		ug/kg	500	--
4-Methyl-2-pentanone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	100	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	100	--
1,2-Dibromoethane	ND		ug/kg	50	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	--
Bromobenzene	ND		ug/kg	100	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	100	--
1,3,5-Trichlorobenzene	ND		ug/kg	100	--
o-Chlorotoluene	ND		ug/kg	100	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1933405

Project Number: 0231841 **Report Date:** 08/07/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/05/19 06:59
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 07-08 Batch: WG1268599-5					
p-Chlorotoluene	ND		ug/kg	100	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--
1,2,3-Trichlorobenzene	ND		ug/kg	100	--
1,2,4-Trichlorobenzene	ND		ug/kg	100	--
1,3,5-Trimethylbenzene	ND		ug/kg	100	--
1,2,4-Trimethylbenzene	ND		ug/kg	100	--
Ethyl ether	ND		ug/kg	100	--
Isopropyl Ether	ND		ug/kg	100	--
Tert-Butyl Alcohol	ND		ug/kg	1000	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	100	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	100	--
1,4-Dioxane	ND		ug/kg	4000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	93		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1933405
Report Date: 08/07/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-04,06,09 Batch: WG1268551-3 WG1268551-4								
Methylene chloride	94		92		70-130	2		30
1,1-Dichloroethane	105		102		70-130	3		30
Chloroform	97		95		70-130	2		30
Carbon tetrachloride	92		88		70-130	4		30
1,2-Dichloropropane	110		107		70-130	3		30
Dibromochloromethane	100		95		70-130	5		30
1,1,2-Trichloroethane	120		116		70-130	3		30
Tetrachloroethene	105		101		70-130	4		30
Chlorobenzene	106		103		70-130	3		30
Trichlorofluoromethane	94		90		70-139	4		30
1,2-Dichloroethane	86		82		70-130	5		30
1,1,1-Trichloroethane	98		94		70-130	4		30
Bromodichloromethane	100		95		70-130	5		30
trans-1,3-Dichloropropene	111		109		70-130	2		30
cis-1,3-Dichloropropene	109		104		70-130	5		30
1,1-Dichloropropene	113		107		70-130	5		30
Bromoform	104		99		70-130	5		30
1,1,2,2-Tetrachloroethane	120		114		70-130	5		30
Benzene	110		106		70-130	4		30
Toluene	116		112		70-130	4		30
Ethylbenzene	115		111		70-130	4		30
Chloromethane	101		92		52-130	9		30
Bromomethane	104		101		57-147	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1933405
Report Date: 08/07/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-04,06,09 Batch: WG1268551-3 WG1268551-4								
Vinyl chloride	**132**	Q	126		67-130	5		30
Chloroethane	137		135		50-151	1		30
1,1-Dichloroethene	110		107		65-135	3		30
trans-1,2-Dichloroethene	109		105		70-130	4		30
Trichloroethene	107		104		70-130	3		30
1,2-Dichlorobenzene	100		96		70-130	4		30
1,3-Dichlorobenzene	102		99		70-130	3		30
1,4-Dichlorobenzene	100		94		70-130	6		30
Methyl tert butyl ether	82		80		66-130	2		30
p/m-Xylene	113		108		70-130	5		30
o-Xylene	106		102		70-130	4		30
cis-1,2-Dichloroethene	107		104		70-130	3		30
Dibromomethane	101		98		70-130	3		30
1,2,3-Trichloropropane	112		104		68-130	7		30
Styrene	106		102		70-130	4		30
Dichlorodifluoromethane	80		76		30-146	5		30
Acetone	70		61		54-140	14		30
Carbon disulfide	99		95		59-130	4		30
2-Butanone	**69**	Q	74		70-130	7		30
4-Methyl-2-pentanone	99		95		70-130	4		30
2-Hexanone	85		82		70-130	4		30
Bromochloromethane	99		93		70-130	6		30
Tetrahydrofuran	95		95		66-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1933405
Report Date: 08/07/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-04,06,09 Batch: WG1268551-3 WG1268551-4								
2,2-Dichloropropane	98		95		70-130	3		30
1,2-Dibromoethane	107		103		70-130	4		30
1,1,1,2-Tetrachloroethane	100		95		70-130	5		30
Bromobenzene	106		100		70-130	6		30
n-Butylbenzene	125		120		70-130	4		30
sec-Butylbenzene	115		109		70-130	5		30
tert-Butylbenzene	109		103		70-130	6		30
1,3,5-Trichlorobenzene	110		102		70-139	8		30
o-Chlorotoluene	98		94		70-130	4		30
p-Chlorotoluene	116		111		70-130	4		30
1,2-Dibromo-3-chloropropane	90		85		68-130	6		30
Hexachlorobutadiene	121		114		67-130	6		30
Isopropylbenzene	113		109		70-130	4		30
p-Isopropyltoluene	110		105		70-130	5		30
Naphthalene	99		92		70-130	7		30
n-Propylbenzene	123		118		70-130	4		30
1,2,3-Trichlorobenzene	106		98		70-130	8		30
1,2,4-Trichlorobenzene	112		105		70-130	6		30
1,3,5-Trimethylbenzene	111		106		70-130	5		30
1,2,4-Trimethylbenzene	109		105		70-130	4		30
Ethyl ether	93		93		67-130	0		30
Isopropyl Ether	101		97		66-130	4		30
Tert-Butyl Alcohol	79		75		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1933405
Report Date: 08/07/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-04,06,09 Batch: WG1268551-3 WG1268551-4								
Ethyl-Tert-Butyl-Ether	96		94		70-130	2		30
Tertiary-Amyl Methyl Ether	93		93		70-130	0		30
1,4-Dioxane	83		81		65-136	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	87		84		70-130
Toluene-d8	109		109		70-130
4-Bromofluorobenzene	108		106		70-130
Dibromofluoromethane	93		92		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1933405
Report Date: 08/07/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 07-08 Batch: WG1268599-3 WG1268599-4								
Methylene chloride	90		91		70-130	1		30
1,1-Dichloroethane	102		102		70-130	0		30
Chloroform	97		96		70-130	1		30
Carbon tetrachloride	88		85		70-130	3		30
1,2-Dichloropropane	109		107		70-130	2		30
Dibromochloromethane	101		100		70-130	1		30
1,1,2-Trichloroethane	122		125		70-130	2		30
Tetrachloroethene	101		100		70-130	1		30
Chlorobenzene	102		100		70-130	2		30
Trichlorofluoromethane	88		88		70-139	0		30
1,2-Dichloroethane	89		87		70-130	2		30
1,1,1-Trichloroethane	94		93		70-130	1		30
Bromodichloromethane	100		99		70-130	1		30
trans-1,3-Dichloropropene	114		113		70-130	1		30
cis-1,3-Dichloropropene	104		108		70-130	4		30
1,1-Dichloropropene	102		104		70-130	2		30
Bromoform	98		92		70-130	6		30
1,1,2,2-Tetrachloroethane	119		115		70-130	3		30
Benzene	105		105		70-130	0		30
Toluene	111		114		70-130	3		30
Ethylbenzene	111		107		70-130	4		30
Chloromethane	100		95		52-130	5		30
Bromomethane	95		99		57-147	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1933405
Report Date: 08/07/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 07-08 Batch: WG1268599-3 WG1268599-4								
Vinyl chloride	122		123		67-130	1		30
Chloroethane	127		131		50-151	3		30
1,1-Dichloroethene	98		97		65-135	1		30
trans-1,2-Dichloroethene	101		98		70-130	3		30
Trichloroethene	104		102		70-130	2		30
1,2-Dichlorobenzene	96		96		70-130	0		30
1,3-Dichlorobenzene	96		95		70-130	1		30
1,4-Dichlorobenzene	97		95		70-130	2		30
Methyl tert butyl ether	82		81		66-130	1		30
p/m-Xylene	106		104		70-130	2		30
o-Xylene	102		100		70-130	2		30
cis-1,2-Dichloroethene	102		103		70-130	1		30
Dibromomethane	103		102		70-130	1		30
1,2,3-Trichloropropane	111		105		68-130	6		30
Styrene	103		100		70-130	3		30
Dichlorodifluoromethane	75		75		30-146	0		30
Acetone	74		71		54-140	4		30
Carbon disulfide	86		88		59-130	2		30
2-Butanone	74		75		70-130	1		30
4-Methyl-2-pentanone	104		103		70-130	1		30
2-Hexanone	91		89		70-130	2		30
Bromochloromethane	96		96		70-130	0		30
Tetrahydrofuran	99		88		66-130	12		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1933405
Report Date: 08/07/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 07-08 Batch: WG1268599-3 WG1268599-4								
2,2-Dichloropropane	94		94		70-130	0		30
1,2-Dibromoethane	110		109		70-130	1		30
1,1,1,2-Tetrachloroethane	98		95		70-130	3		30
Bromobenzene	102		96		70-130	6		30
n-Butylbenzene	109		110		70-130	1		30
sec-Butylbenzene	101		102		70-130	1		30
tert-Butylbenzene	96		94		70-130	2		30
1,3,5-Trichlorobenzene	94		92		70-139	2		30
o-Chlorotoluene	92		114		70-130	21		30
p-Chlorotoluene	109		109		70-130	0		30
1,2-Dibromo-3-chloropropane	85		87		68-130	2		30
Hexachlorobutadiene	101		104		67-130	3		30
Isopropylbenzene	104		100		70-130	4		30
p-Isopropyltoluene	98		96		70-130	2		30
Naphthalene	92		92		70-130	0		30
n-Propylbenzene	112		107		70-130	5		30
1,2,3-Trichlorobenzene	90		90		70-130	0		30
1,2,4-Trichlorobenzene	96		95		70-130	1		30
1,3,5-Trimethylbenzene	102		98		70-130	4		30
1,2,4-Trimethylbenzene	101		101		70-130	0		30
Ethyl ether	87		88		67-130	1		30
Isopropyl Ether	104		103		66-130	1		30
Tert-Butyl Alcohol	80		76		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1933405
Report Date: 08/07/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 07-08 Batch: WG1268599-3 WG1268599-4								
Ethyl-Tert-Butyl-Ether	99		94		70-130	5		30
Tertiary-Amyl Methyl Ether	95		96		70-130	1		30
1,4-Dioxane	71		74		65-136	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	90		88		70-130
Toluene-d8	109		114		70-130
4-Bromofluorobenzene	104		103		70-130
Dibromofluoromethane	93		94		70-130

INORGANICS
&
MISCELLANEOUS

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1933405
Report Date: 08/07/19

SAMPLE RESULTS

Lab ID: L1933405-01
Client ID: SB19-59 (15-17.5)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/24/19 08:50
Date Received: 07/26/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.0		%	0.100	NA	1	-	07/27/19 04:17	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1933405
Report Date: 08/07/19

SAMPLE RESULTS

Lab ID: L1933405-02
Client ID: SB19-59 (25-27)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/24/19 08:55
Date Received: 07/26/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	72.8		%	0.100	NA	1	-	07/27/19 04:17	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1933405
Report Date: 08/07/19

SAMPLE RESULTS

Lab ID: L1933405-03
Client ID: SB19-60 (15-17.5)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/24/19 10:00
Date Received: 07/26/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.5		%	0.100	NA	1	-	07/27/19 04:17	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1933405
Report Date: 08/07/19

SAMPLE RESULTS

Lab ID: L1933405-04
Client ID: SB19-61 (7.5-10)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/24/19 11:40
Date Received: 07/26/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	74.2		%	0.100	NA	1	-	07/27/19 04:17	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1933405
Report Date: 08/07/19

SAMPLE RESULTS

Lab ID: L1933405-05
Client ID: SB19-61 (26.75-28.5)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/24/19 11:45
Date Received: 07/26/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon	0.023		%	0.010	--	1	-	08/07/19 10:16	1,9060A	SP
Grain Size Analysis - Mansfield Lab										
Cobbles	ND		%	0.100	NA	1	-	08/02/19 15:26	12,D6913/D7928	SM
% Coarse Gravel	ND		%	0.100	NA	1	-	08/02/19 15:26	12,D6913/D7928	SM
% Fine Gravel	ND		%	0.100	NA	1	-	08/02/19 15:26	12,D6913/D7928	SM
% Total Gravel	ND		%	0.100	NA	1	-	08/02/19 15:26	12,D6913/D7928	SM
% Coarse Sand	ND		%	0.100	NA	1	-	08/02/19 15:26	12,D6913/D7928	SM
% Medium Sand	0.400		%	0.100	NA	1	-	08/02/19 15:26	12,D6913/D7928	SM
% Fine Sand	1.60		%	0.100	NA	1	-	08/02/19 15:26	12,D6913/D7928	SM
% Total Sand	2.00		%	0.100	NA	1	-	08/02/19 15:26	12,D6913/D7928	SM
% Total Fines	98.0		%	0.100	NA	1	-	08/02/19 15:26	12,D6913/D7928	SM
General Chemistry - Westborough Lab										
Solids, Total	74.9		%	0.100	NA	1	-	07/27/19 04:17	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1933405
Report Date: 08/07/19

SAMPLE RESULTS

Lab ID: L1933405-06
Client ID: SB19-62 (25-27.5)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/24/19 13:45
Date Received: 07/26/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.8		%	0.100	NA	1	-	07/27/19 04:17	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1933405
Report Date: 08/07/19

SAMPLE RESULTS

Lab ID: L1933405-07
Client ID: SB19-63 (17-19)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/24/19 14:50
Date Received: 07/26/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.3		%	0.100	NA	1	-	07/27/19 04:17	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1933405
Report Date: 08/07/19

SAMPLE RESULTS

Lab ID: L1933405-08
Client ID: SB19-63 (30-32.5)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/24/19 15:30
Date Received: 07/26/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.9		%	0.100	NA	1	-	07/27/19 04:17	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1933405
Report Date: 08/07/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab for sample(s): 05 Batch: WG1266383-1										
Total Organic Carbon	ND		%	0.010	--	1	-	08/07/19 10:16	1,9060A	SP

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 0231841

Lab Number: L1933405

Report Date: 08/07/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Organic Carbon - Mansfield Lab Associated sample(s): 05 Batch: WG1266383-2								
Total Organic Carbon	91		-		75-125	-		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1933405
Report Date: 08/07/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1265275-1 QC Sample: L1933332-14 Client ID: DUP Sample						
Solids, Total	94.6	95.6	%	1		20
Grain Size Analysis - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1268001-1 QC Sample: L1933405-05 Client ID: SB19-61 (26.75-28.5)						
Cobbles	ND	ND	%	NC		20
% Coarse Gravel	ND	ND	%	NC		20
% Fine Gravel	ND	ND	%	NC		20
% Total Gravel	ND	ND	%	NC		20
% Coarse Sand	ND	ND	%	NC		20
% Medium Sand	0.400	0.400	%	0		20
% Fine Sand	1.60	2.40	%	**40**	Q	20
% Total Sand	2.00	2.80	%	**33**	Q	20
% Total Fines	98.0	97.2	%	1		20

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1933405
Report Date: 08/07/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1933405-01A	Vial MeOH preserved	A	NA		4.0	Y	Absent		8260HLW-NH(14)
L1933405-01B	Vial water preserved	A	NA		4.0	Y	Absent	24-JUL-19 17:00	8260HLW-NH(14)
L1933405-01C	Vial water preserved	A	NA		4.0	Y	Absent	24-JUL-19 17:00	8260HLW-NH(14)
L1933405-01D	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L1933405-02A	Vial MeOH preserved	A	NA		4.0	Y	Absent		8260HLW-NH(14)
L1933405-02B	Vial water preserved	A	NA		4.0	Y	Absent	24-JUL-19 17:00	8260HLW-NH(14)
L1933405-02C	Vial water preserved	A	NA		4.0	Y	Absent	24-JUL-19 17:00	8260HLW-NH(14)
L1933405-02D	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L1933405-03A	Vial MeOH preserved	A	NA		4.0	Y	Absent		8260HLW-NH(14)
L1933405-03B	Vial water preserved	A	NA		4.0	Y	Absent	24-JUL-19 17:00	8260HLW-NH(14)
L1933405-03C	Vial water preserved	A	NA		4.0	Y	Absent	24-JUL-19 17:00	8260HLW-NH(14)
L1933405-03D	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L1933405-04A	Vial MeOH preserved	A	NA		4.0	Y	Absent		8260HLW-NH(14)
L1933405-04B	Vial water preserved	A	NA		4.0	Y	Absent	24-JUL-19 17:00	8260HLW-NH(14)
L1933405-04C	Vial water preserved	A	NA		4.0	Y	Absent	24-JUL-19 17:00	8260HLW-NH(14)
L1933405-04D	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L1933405-05A	Glass 120ml/4oz unpreserved	A	NA		4.0	Y	Absent		A2-TOC-9060(28)
L1933405-05B	Plastic 8oz unpreserved for Grain Size	A	NA		4.0	Y	Absent		A2-HYDRO-TFINE(),A2-HYDRO-CGRAVEL(),A2-HYDRO-FSAND(),A2-HYDRO-MSAND(),A2-HYDRO-TGRAVEL(),A2-HYDRO-CSAND(),A2-HYDRO-TSAND(),A2-HYDRO-COBBLES(),A2-HYDRO-FGRAVEL()
L1933405-05C	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L1933405-06A	Vial MeOH preserved	A	NA		4.0	Y	Absent		8260HLW-NH(14)
L1933405-06B	Vial water preserved	A	NA		4.0	Y	Absent	24-JUL-19 17:00	8260HLW-NH(14)

*Values in parentheses indicate holding time in days

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1933405
Report Date: 08/07/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1933405-06C	Vial water preserved	A	NA		4.0	Y	Absent	24-JUL-19 17:00	8260HLW-NH(14)
L1933405-06D	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L1933405-07A	Vial MeOH preserved	A	NA		4.0	Y	Absent		8260HLW-NH(14)
L1933405-07B	Vial water preserved	A	NA		4.0	Y	Absent	24-JUL-19 17:00	8260HLW-NH(14)
L1933405-07C	Vial water preserved	A	NA		4.0	Y	Absent	24-JUL-19 17:00	8260HLW-NH(14)
L1933405-07D	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L1933405-08A	Vial MeOH preserved	A	NA		4.0	Y	Absent		8260H-NH(14)
L1933405-08B	Vial water preserved	A	NA		4.0	Y	Absent	24-JUL-19 17:00	8260H-NH(14)
L1933405-08C	Vial water preserved	A	NA		4.0	Y	Absent	24-JUL-19 17:00	8260H-NH(14)
L1933405-08D	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L1933405-09A	Vial MeOH preserved	A	NA		4.0	Y	Absent		8260HLW-NH(14)
L1933405-09B	Vial water preserved	A	NA		4.0	Y	Absent	**24-JUL-19 17:00**	8260HLW-NH(14)

*Values in parentheses indicate holding time in days

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1933405
Project Number:	0231841	**Report Date:**	08/07/19

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: Data Usability Report

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1933405
Project Number:	0231841	**Report Date:**	08/07/19

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: Data Usability Report

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1933405
Project Number:	0231841	**Report Date:**	08/07/19

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

12 Annual Book of ASTM Standards. (American Society for Testing and Materials) ASTM International.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

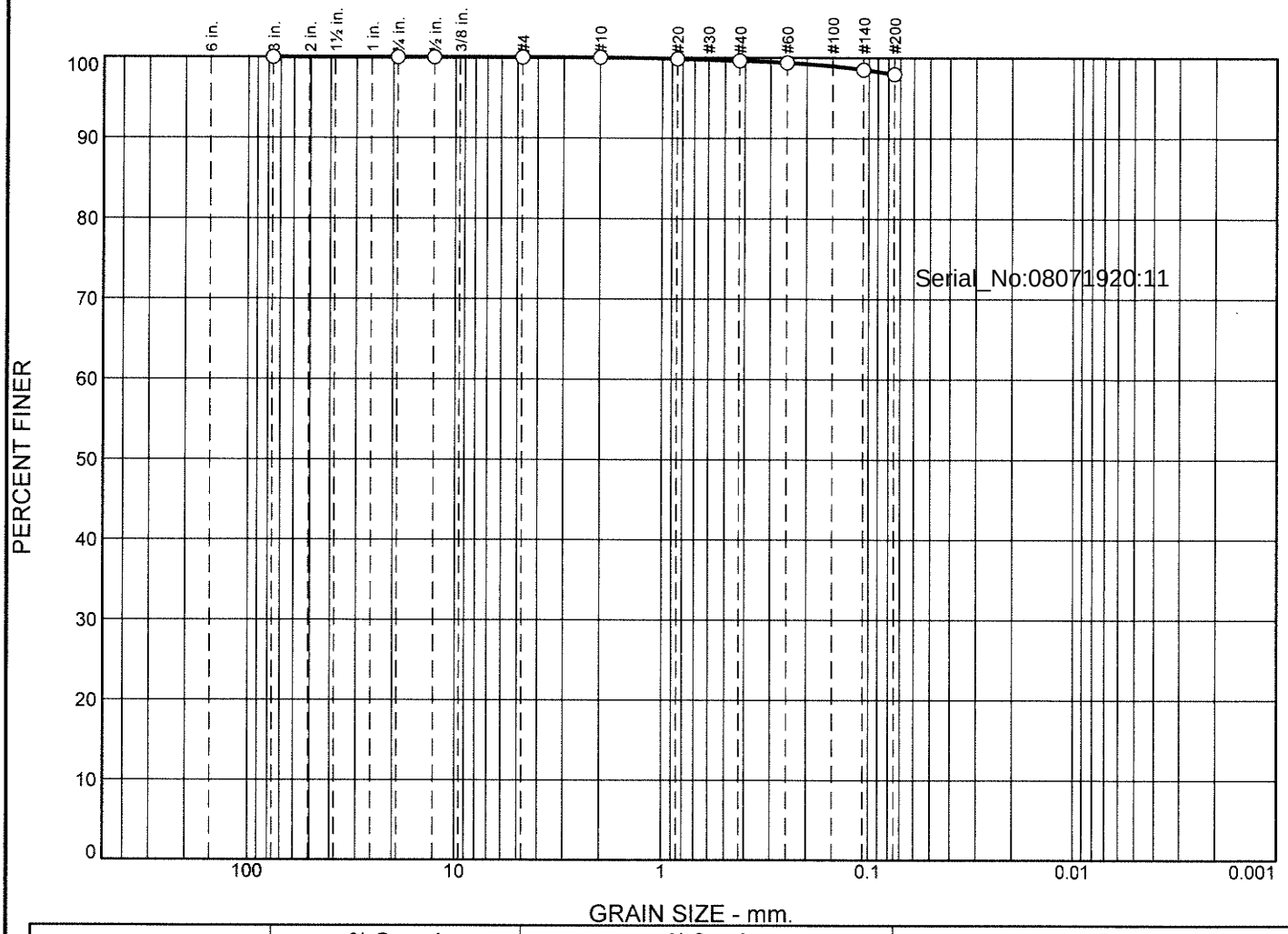
Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

ASTM D6913/D7928

GRAIN SIZE ANALYSIS

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	0.4	1.6	98.0	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○											

Material Description	USCS	AASHTO
○		

Project No. **Client:**

Project:

○ **Source of Sample:** SB19-61 (26.75-28.5) **Sample Number:** L1933405-05

Date: ○

Alpha Analytical

Mansfield, MA

Remarks:

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

8/7/2019

Location: SB19-61 (26.75-28.5)

Sample Number: L1933405-05

Sieve Test Data

Post #200 Wash Test Weights (grams): **Dry Sample and Tare =** 77.00
Tare Wt. = 0.00
Minus #200 from wash = 0.0%

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer
77.00	0.00	3	0.00	0.00	100.0
		0.75	0.00	0.00	100.0
		0.50	0.00	0.00	100.0
		#4	0.00	0.00	100.0
		#10	0.01	0.00	100.0
		#20	0.10	0.00	99.9
		#40	0.18	0.00	99.6
		#60	0.18	0.00	99.4
		#140	0.66	0.00	98.5
		#200	0.43	0.00	98.0

Serial_No:08071920:11

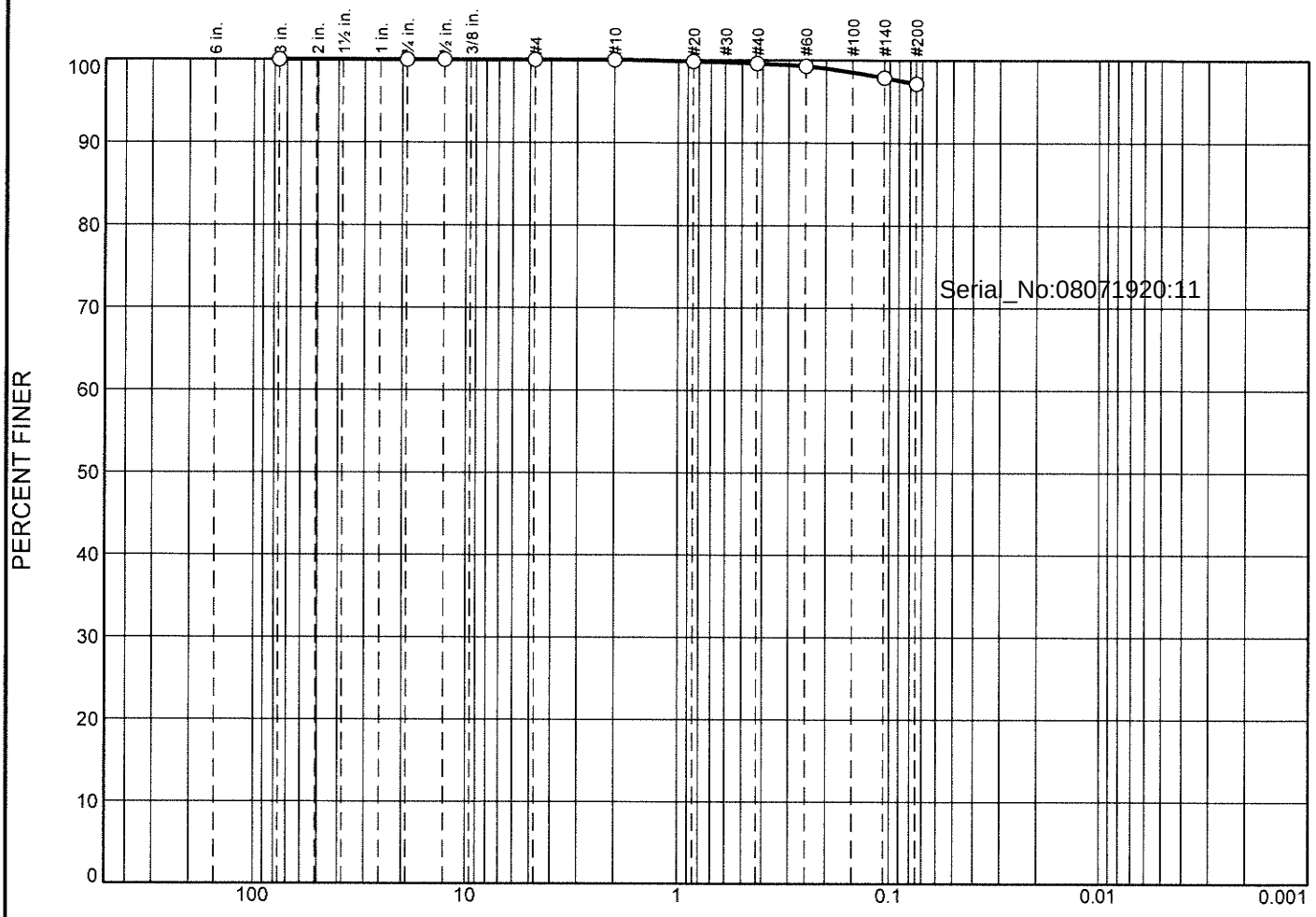
Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	0.0	0.0	0.0	0.4	1.6	2.0			98.0

D_5	D_{10}	D_{15}	D_{20}	D_{30}	D_{40}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}

Fineness Modulus
0.02

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	0.4	2.4	97.2	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○											

Material Description	USCS	AASHTO
○		

Project No. **Client:**

Project:

○ **Source of Sample:** SB19-61 (26.75-28.5) **Sample Number:** WG1268001-1

Date: ○

Alpha Analytical

Mansfield, MA

Remarks:

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

8/7/2019

Location: SB19-61 (26.75-28.5)

Sample Number: WG1268001-1

Sieve Test Data

Post #200 Wash Test Weights (grams): **Dry Sample and Tare =** 77.50
Tare Wt. = 0.00
Minus #200 from wash = 0.0%

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer
77.50	0.00	3	0.00	0.00	100.0
		0.75	0.00	0.00	100.0
		0.50	0.00	0.00	100.0
		#4	0.00	0.00	100.0
		#10	0.00	0.00	100.0
		#20	0.11	0.00	99.9
		#40	0.21	0.00	99.6
		#60	0.25	0.00	99.3
		#140	1.06	0.00	97.9
		#200	0.56	0.00	97.2

Serial_No:08071920:11

Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	0.0	0.0	0.0	0.4	2.4	2.8			97.2

D_5	D_{10}	D_{15}	D_{20}	D_{30}	D_{40}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}

Fineness Modulus
0.02

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 7/26/19

ALPHA Job #: L1933485

ALPHA Analytical
8 Walkup Drive, Westboro, MA 01581, Tel: 508-898-9220
320 Forbes Blvd, Mansfield, MA 02048, Tel: 508-822-9300

Client Information

Client: Woodard & Curran
Address: 40 Shattuck Rd
Andover, MA
Phone: 978-482-0838
Email: kelich@woodardcurran.com
sdney@woodardcurran.com

Project Information

Project Name: Salem Former WWTF
Project Location: Salem, NH
Project #: 0231841
Project Manager: Jarrod Yoder
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due:

Report Information - Data Deliverables

☒ ADEx ☒ EMAIL

Billing Information

☐ Same as Client Info PO #:

Regulatory Requirements & Project Information Requirements

☐ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods
☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
☐ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)
☐ Yes ☐ No NPDES RGP
☐ Other State /Fed Program _____ Criteria _____

Additional Project Information:

DI VOC samples frozen on 7/24/19 @ 1700

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	VOC: ☒ 8260 ☐ 624 ☐ 524.2	SVOC: ☐ ABN ☐ PAH	METALS: ☐ MCP 13 ☐ MCP 14 ☐ RCP 15	METALS: ☐ RCRA5 ☐ RCRA8 ☐ PP13	EPH: ☐ Ranges & Targets ☐ Ranges Only	VPH: ☐ Ranges & Targets ☐ Ranges Only	☐ PCB ☐ PEST	TPH: ☐ Quant Only ☐ Fingerprint	%Solids	TOC	Soil Size	SAMPLE INFO (Filtration ☐ Field ☐ Lab to do; Preservation ☐ Lab to do) Sample Comments	TOTAL # BOTTLES
33485-01	SB19-59(15-17.5)	7/24/19	850	Soil	STO	X							X					4
02	SB19-59(25-27)	7/24/19	855	Soil	STO	X							X					4
03	SB19-60(15-17.5)	7/24/19	1000	Soil	STO	X							X					4
04	SB19-61(7.5-10)	7/24/19	1140	Soil	STO	X							X					4
05	SB19-61(26.75-28.5)	7/24/19	1145	Soil	STO								X	X	X			3
06	SB19-62(25-27.5)	7/24/19	1345	Soil	STO	X							X					4
07	SB19-63(17-19)	7/24/19	1450	Soil	STO	X							X					4
08	SB19-63(30-32.5)	7/24/19	1530	Soil	STO	X							X					4
09	Trip Blank	7/3/19	0838	Soil	STO	X												2
						Container Type: V							P	A	P			
						Preservative: F,W							A	A	A			

Container Type
P= Plastic
A= Amber glass
V= Vial
G= Glass
B= Bacteria cup
C= Cube
O= Other
E= Encore
D= BOD Bottle

Preservative
A= None
B= HCl
C= HNO_3
D= H_2SO_4
E= NaOH
F= MeOH
G= $NaHSO_4$
H = $Na_2S_2O_3$
I= Ascorbic Acid
J = NH_4Cl
K= Zn Acetate
O= Other

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	7/26/19 1645	[signature] AM	7/26/19 16:45
[signature] DAL	7/26/19 1814	[signature]	7/26/19 1814

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)

ANALYTICAL REPORT

Lab Number:	L1933407
Client:	Woodard & Curran 40 Shattuck Road Suite 110 Andover, MA 01810
ATTN:	Jarrod Yoder
Phone:	(978) 557-8150
Project Name:	SALEM FORMER WWTF
Project Number:	0231841
Report Date:	08/07/19

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1933407
Report Date: 08/07/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1933407-01	SB19-64 (10-12.5)	SOIL	SALEM, NH	07/25/19 09:10	07/26/19
L1933407-02	SB19-64 (10-12.5) DUP	SOIL	SALEM, NH	07/25/19 09:10	07/26/19
L1933407-03	SB19-65 (20-21.5)	SOIL	SALEM, NH	07/25/19 10:30	07/26/19
L1933407-04	SB19-66 (0-2)	SOIL	SALEM, NH	07/25/19 13:00	07/26/19
L1933407-05	SB19-66 (27-29)	SOIL	SALEM, NH	07/25/19 13:30	07/26/19
L1933407-06	SB19-67 (15-17.5)	SOIL	SALEM, NH	07/25/19 15:30	07/26/19
L1933407-07	SB19-67 (32-34)	SOIL	SALEM, NH	07/25/19 15:45	07/26/19
L1933407-08	TRIP BLANK	SOIL	SALEM, NH	07/19/19 00:00	07/26/19
L1933407-09	SB19-68R (11.5-13)	SOIL	SALEM, NH	07/26/19 10:15	07/26/19
L1933407-10	SB19-68R (16.75-17.75)	SOIL	SALEM, NH	07/26/19 10:20	07/26/19
L1933407-11	SB19-69 (16.5-18.5)	SOIL	SALEM, NH	07/26/19 13:20	07/26/19
L1933407-12	SB19-70 (10-12.5)	SOIL	SALEM, NH	07/26/19 14:50	07/26/19
L1933407-13	SB19-70 (16-17)	SOIL	SALEM, NH	07/26/19 14:55	07/26/19
L1933407-14	SB19-70 (16-17) DUP	SOIL	SALEM, NH	07/26/19 14:55	07/26/19

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1933407
Project Number:	0231841	**Report Date:**	08/07/19

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1933407
Project Number:	0231841	**Report Date:**	08/07/19

Case Narrative (continued)

Volatile Organics

L1933407-08: The Trip Blank has results for toluene and trichloroethene present above the reporting limits. The sample was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential for carry over.

L1933407-14 was analyzed as a High Level Methanol in order to quantitate the sample within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial Low Level analysis. The results of both analyses are reported.

Total Organic Carbon

WG1266383: The required batch QC was prepared; however, the native sample required a different reporting method; therefore, the associated QC results could not be reported.

Grain Size Analysis

The WG1268003-1 Laboratory Duplicate RPD for % medium sand (67%), performed on L1933407-01, is outside the acceptance criteria. The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 08/07/19

ORGANICS

VOLATILES

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-01 D
Client ID: SB19-64 (10-12.5)
Sample Location: SALEM, NH

Date Collected: 07/25/19 09:10
Date Received: 07/26/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/06/19 09:11
Analyst: MV
Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	3400	--	5
1,1-Dichloroethane	ND		ug/kg	680	--	5
Chloroform	ND		ug/kg	1000	--	5
Carbon tetrachloride	ND		ug/kg	680	--	5
1,2-Dichloropropane	ND		ug/kg	680	--	5
Dibromochloromethane	ND		ug/kg	680	--	5
1,1,2-Trichloroethane	ND		ug/kg	680	--	5
Tetrachloroethene	ND		ug/kg	340	--	5
Chlorobenzene	ND		ug/kg	340	--	5
Trichlorofluoromethane	ND		ug/kg	2700	--	5
1,2-Dichloroethane	ND		ug/kg	680	--	5
1,1,1-Trichloroethane	6800		ug/kg	340	--	5
Bromodichloromethane	ND		ug/kg	340	--	5
trans-1,3-Dichloropropene	ND		ug/kg	680	--	5
cis-1,3-Dichloropropene	ND		ug/kg	340	--	5
1,3-Dichloropropene, Total	ND		ug/kg	340	--	5
1,1-Dichloropropene	ND		ug/kg	340	--	5
Bromoform	ND		ug/kg	2700	--	5
1,1,2,2-Tetrachloroethane	ND		ug/kg	340	--	5
Benzene	ND		ug/kg	340	--	5
Toluene	1400		ug/kg	680	--	5
Ethylbenzene	ND		ug/kg	680	--	5
Chloromethane	ND		ug/kg	2700	--	5
Bromomethane	ND		ug/kg	1400	--	5
Vinyl chloride	ND		ug/kg	680	--	5
Chloroethane	ND		ug/kg	1400	--	5
1,1-Dichloroethene	ND		ug/kg	680	--	5
trans-1,2-Dichloroethene	ND		ug/kg	1000	--	5

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-01 D
Client ID: SB19-64 (10-12.5)
Sample Location: SALEM, NH

Date Collected: 07/25/19 09:10
Date Received: 07/26/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	120000		ug/kg	340	--	5
1,2-Dichlorobenzene	ND		ug/kg	1400	--	5
1,3-Dichlorobenzene	ND		ug/kg	1400	--	5
1,4-Dichlorobenzene	ND		ug/kg	1400	--	5
Methyl tert butyl ether	ND		ug/kg	1400	--	5
p/m-Xylene	ND		ug/kg	1400	--	5
o-Xylene	ND		ug/kg	680	--	5
Xylenes, Total	ND		ug/kg	680	--	5
cis-1,2-Dichloroethene	850		ug/kg	680	--	5
1,2-Dichloroethene, Total	850		ug/kg	680	--	5
Dibromomethane	ND		ug/kg	1400	--	5
1,2,3-Trichloropropane	ND		ug/kg	1400	--	5
Styrene	ND		ug/kg	680	--	5
Dichlorodifluoromethane	ND		ug/kg	6800	--	5
Acetone	ND		ug/kg	6800	--	5
Carbon disulfide	ND		ug/kg	6800	--	5
2-Butanone	ND		ug/kg	6800	--	5
4-Methyl-2-pentanone	ND		ug/kg	6800	--	5
2-Hexanone	ND		ug/kg	6800	--	5
Bromochloromethane	ND		ug/kg	1400	--	5
Tetrahydrofuran	ND		ug/kg	2700	--	5
2,2-Dichloropropane	ND		ug/kg	1400	--	5
1,2-Dibromoethane	ND		ug/kg	680	--	5
1,1,1,2-Tetrachloroethane	ND		ug/kg	340	--	5
Bromobenzene	ND		ug/kg	1400	--	5
n-Butylbenzene	ND		ug/kg	680	--	5
sec-Butylbenzene	ND		ug/kg	680	--	5
tert-Butylbenzene	ND		ug/kg	1400	--	5
1,3,5-Trichlorobenzene	ND		ug/kg	1400	--	5
o-Chlorotoluene	ND		ug/kg	1400	--	5
p-Chlorotoluene	ND		ug/kg	1400	--	5
1,2-Dibromo-3-chloropropane	ND		ug/kg	2000	--	5
Hexachlorobutadiene	ND		ug/kg	2700	--	5
Isopropylbenzene	ND		ug/kg	680	--	5
p-Isopropyltoluene	ND		ug/kg	680	--	5
Naphthalene	ND		ug/kg	2700	--	5
n-Propylbenzene	ND		ug/kg	680	--	5

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-01 D
Client ID: SB19-64 (10-12.5)
Sample Location: SALEM, NH

Date Collected: 07/25/19 09:10
Date Received: 07/26/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1400	--	5
1,2,4-Trichlorobenzene	ND		ug/kg	1400	--	5
1,3,5-Trimethylbenzene	ND		ug/kg	1400	--	5
1,2,4-Trimethylbenzene	ND		ug/kg	1400	--	5
Ethyl ether	ND		ug/kg	1400	--	5
Isopropyl Ether	ND		ug/kg	1400	--	5
Tert-Butyl Alcohol	ND		ug/kg	14000	--	5
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1400	--	5
Tertiary-Amyl Methyl Ether	ND		ug/kg	1400	--	5
1,4-Dioxane	ND		ug/kg	55000	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	102		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-02 D
Client ID: SB19-64 (10-12.5) DUP
Sample Location: SALEM, NH

Date Collected: 07/25/19 09:10
Date Received: 07/26/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/06/19 16:11
Analyst: MV
Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	3400	--	5
1,1-Dichloroethane	ND		ug/kg	680	--	5
Chloroform	ND		ug/kg	1000	--	5
Carbon tetrachloride	ND		ug/kg	680	--	5
1,2-Dichloropropane	ND		ug/kg	680	--	5
Dibromochloromethane	ND		ug/kg	680	--	5
1,1,2-Trichloroethane	ND		ug/kg	680	--	5
Tetrachloroethene	ND		ug/kg	340	--	5
Chlorobenzene	ND		ug/kg	340	--	5
Trichlorofluoromethane	ND		ug/kg	2700	--	5
1,2-Dichloroethane	ND		ug/kg	680	--	5
1,1,1-Trichloroethane	9400		ug/kg	340	--	5
Bromodichloromethane	ND		ug/kg	340	--	5
trans-1,3-Dichloropropene	ND		ug/kg	680	--	5
cis-1,3-Dichloropropene	ND		ug/kg	340	--	5
1,3-Dichloropropene, Total	ND		ug/kg	340	--	5
1,1-Dichloropropene	ND		ug/kg	340	--	5
Bromoform	ND		ug/kg	2700	--	5
1,1,2,2-Tetrachloroethane	ND		ug/kg	340	--	5
Benzene	ND		ug/kg	340	--	5
Toluene	1800		ug/kg	680	--	5
Ethylbenzene	ND		ug/kg	680	--	5
Chloromethane	ND		ug/kg	2700	--	5
Bromomethane	ND		ug/kg	1400	--	5
Vinyl chloride	ND		ug/kg	680	--	5
Chloroethane	ND		ug/kg	1400	--	5
1,1-Dichloroethene	ND		ug/kg	680	--	5
trans-1,2-Dichloroethene	ND		ug/kg	1000	--	5

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-02 D
Client ID: SB19-64 (10-12.5) DUP
Sample Location: SALEM, NH

Date Collected: 07/25/19 09:10
Date Received: 07/26/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	150000		ug/kg	340	--	5
1,2-Dichlorobenzene	ND		ug/kg	1400	--	5
1,3-Dichlorobenzene	ND		ug/kg	1400	--	5
1,4-Dichlorobenzene	ND		ug/kg	1400	--	5
Methyl tert butyl ether	ND		ug/kg	1400	--	5
p/m-Xylene	ND		ug/kg	1400	--	5
o-Xylene	ND		ug/kg	680	--	5
Xylenes, Total	ND		ug/kg	680	--	5
cis-1,2-Dichloroethene	1100		ug/kg	680	--	5
1,2-Dichloroethene, Total	1100		ug/kg	680	--	5
Dibromomethane	ND		ug/kg	1400	--	5
1,2,3-Trichloropropane	ND		ug/kg	1400	--	5
Styrene	ND		ug/kg	680	--	5
Dichlorodifluoromethane	ND		ug/kg	6800	--	5
Acetone	ND		ug/kg	6800	--	5
Carbon disulfide	ND		ug/kg	6800	--	5
2-Butanone	ND		ug/kg	6800	--	5
4-Methyl-2-pentanone	ND		ug/kg	6800	--	5
2-Hexanone	ND		ug/kg	6800	--	5
Bromochloromethane	ND		ug/kg	1400	--	5
Tetrahydrofuran	ND		ug/kg	2700	--	5
2,2-Dichloropropane	ND		ug/kg	1400	--	5
1,2-Dibromoethane	ND		ug/kg	680	--	5
1,1,1,2-Tetrachloroethane	ND		ug/kg	340	--	5
Bromobenzene	ND		ug/kg	1400	--	5
n-Butylbenzene	ND		ug/kg	680	--	5
sec-Butylbenzene	ND		ug/kg	680	--	5
tert-Butylbenzene	ND		ug/kg	1400	--	5
1,3,5-Trichlorobenzene	ND		ug/kg	1400	--	5
o-Chlorotoluene	ND		ug/kg	1400	--	5
p-Chlorotoluene	ND		ug/kg	1400	--	5
1,2-Dibromo-3-chloropropane	ND		ug/kg	2000	--	5
Hexachlorobutadiene	ND		ug/kg	2700	--	5
Isopropylbenzene	ND		ug/kg	680	--	5
p-Isopropyltoluene	ND		ug/kg	680	--	5
Naphthalene	ND		ug/kg	2700	--	5
n-Propylbenzene	ND		ug/kg	680	--	5

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-02 D
Client ID: SB19-64 (10-12.5) DUP
Sample Location: SALEM, NH

Date Collected: 07/25/19 09:10
Date Received: 07/26/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1400	--	5
1,2,4-Trichlorobenzene	ND		ug/kg	1400	--	5
1,3,5-Trimethylbenzene	ND		ug/kg	1400	--	5
1,2,4-Trimethylbenzene	ND		ug/kg	1400	--	5
Ethyl ether	ND		ug/kg	1400	--	5
Isopropyl Ether	ND		ug/kg	1400	--	5
Tert-Butyl Alcohol	ND		ug/kg	14000	--	5
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1400	--	5
Tertiary-Amyl Methyl Ether	ND		ug/kg	1400	--	5
1,4-Dioxane	ND		ug/kg	55000	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	102		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-03 Date Collected: 07/25/19 10:30

Client ID: SB19-65 (20-21.5) Date Received: 07/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 08/06/19 10:56

Analyst: NLK

Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.6	--	1
1,1-Dichloroethane	ND		ug/kg	0.73	--	1
Chloroform	ND		ug/kg	1.1	--	1
Carbon tetrachloride	ND		ug/kg	0.73	--	1
1,2-Dichloropropane	ND		ug/kg	0.73	--	1
Dibromochloromethane	ND		ug/kg	0.73	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.73	--	1
Tetrachloroethene	ND		ug/kg	0.36	--	1
Chlorobenzene	ND		ug/kg	0.36	--	1
Trichlorofluoromethane	ND		ug/kg	2.9	--	1
1,2-Dichloroethane	ND		ug/kg	0.73	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.36	--	1
Bromodichloromethane	ND		ug/kg	0.36	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.73	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.36	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.36	--	1
1,1-Dichloropropene	ND		ug/kg	0.36	--	1
Bromoform	ND		ug/kg	2.9	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.36	--	1
Benzene	ND		ug/kg	0.36	--	1
Toluene	ND		ug/kg	0.73	--	1
Ethylbenzene	ND		ug/kg	0.73	--	1
Chloromethane	ND		ug/kg	2.9	--	1
Bromomethane	ND		ug/kg	1.4	--	1
Vinyl chloride	ND		ug/kg	0.73	--	1
Chloroethane	ND		ug/kg	1.4	--	1
1,1-Dichloroethene	ND		ug/kg	0.73	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.1	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-03 Date Collected: 07/25/19 10:30

Client ID: SB19-65 (20-21.5) Date Received: 07/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.76		ug/kg	0.36	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.4	--	1
Methyl tert butyl ether	ND		ug/kg	1.4	--	1
p/m-Xylene	ND		ug/kg	1.4	--	1
o-Xylene	ND		ug/kg	0.73	--	1
Xylenes, Total	ND		ug/kg	0.73	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.73	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.73	--	1
Dibromomethane	ND		ug/kg	1.4	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.4	--	1
Styrene	ND		ug/kg	0.73	--	1
Dichlorodifluoromethane	ND		ug/kg	7.3	--	1
Acetone	ND		ug/kg	7.3	--	1
Carbon disulfide	ND		ug/kg	7.3	--	1
2-Butanone	ND		ug/kg	7.3	--	1
4-Methyl-2-pentanone	ND		ug/kg	7.3	--	1
2-Hexanone	ND		ug/kg	7.3	--	1
Bromochloromethane	ND		ug/kg	1.4	--	1
Tetrahydrofuran	ND		ug/kg	2.9	--	1
2,2-Dichloropropane	ND		ug/kg	1.4	--	1
1,2-Dibromoethane	ND		ug/kg	0.73	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.36	--	1
Bromobenzene	ND		ug/kg	1.4	--	1
n-Butylbenzene	ND		ug/kg	0.73	--	1
sec-Butylbenzene	ND		ug/kg	0.73	--	1
tert-Butylbenzene	ND		ug/kg	1.4	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.4	--	1
o-Chlorotoluene	ND		ug/kg	1.4	--	1
p-Chlorotoluene	ND		ug/kg	1.4	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.2	--	1
Hexachlorobutadiene	ND		ug/kg	2.9	--	1
Isopropylbenzene	ND		ug/kg	0.73	--	1
p-Isopropyltoluene	ND		ug/kg	0.73	--	1
Naphthalene	ND		ug/kg	2.9	--	1
n-Propylbenzene	ND		ug/kg	0.73	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-03 Date Collected: 07/25/19 10:30

Client ID: SB19-65 (20-21.5) Date Received: 07/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.4	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.4	--	1
Ethyl ether	ND		ug/kg	1.4	--	1
Isopropyl Ether	ND		ug/kg	1.4	--	1
Tert-Butyl Alcohol	ND		ug/kg	14	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.4	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.4	--	1
1,4-Dioxane	ND		ug/kg	58	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	103		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-04 Date Collected: 07/25/19 13:00

Client ID: SB19-66 (0-2) Date Received: 07/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 08/06/19 11:22

Analyst: NLK

Percent Solids: 74%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.9	--	1
1,1-Dichloroethane	ND		ug/kg	0.78	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.78	--	1
1,2-Dichloropropane	ND		ug/kg	0.78	--	1
Dibromochloromethane	ND		ug/kg	0.78	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.78	--	1
Tetrachloroethene	ND		ug/kg	0.39	--	1
Chlorobenzene	ND		ug/kg	0.39	--	1
Trichlorofluoromethane	ND		ug/kg	3.1	--	1
1,2-Dichloroethane	ND		ug/kg	0.78	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.39	--	1
Bromodichloromethane	ND		ug/kg	0.39	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.78	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.39	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.39	--	1
1,1-Dichloropropene	ND		ug/kg	0.39	--	1
Bromoform	ND		ug/kg	3.1	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.39	--	1
Benzene	ND		ug/kg	0.39	--	1
Toluene	ND		ug/kg	0.78	--	1
Ethylbenzene	ND		ug/kg	0.78	--	1
Chloromethane	ND		ug/kg	3.1	--	1
Bromomethane	ND		ug/kg	1.6	--	1
Vinyl chloride	ND		ug/kg	0.78	--	1
Chloroethane	ND		ug/kg	1.6	--	1
1,1-Dichloroethene	ND		ug/kg	0.78	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-04 Date Collected: 07/25/19 13:00

Client ID: SB19-66 (0-2) Date Received: 07/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.75		ug/kg	0.39	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.6	--	1
Methyl tert butyl ether	ND		ug/kg	1.6	--	1
p/m-Xylene	ND		ug/kg	1.6	--	1
o-Xylene	ND		ug/kg	0.78	--	1
Xylenes, Total	ND		ug/kg	0.78	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.78	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.78	--	1
Dibromomethane	ND		ug/kg	1.6	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.6	--	1
Styrene	ND		ug/kg	0.78	--	1
Dichlorodifluoromethane	ND		ug/kg	7.8	--	1
Acetone	15		ug/kg	7.8	--	1
Carbon disulfide	ND		ug/kg	7.8	--	1
2-Butanone	ND		ug/kg	7.8	--	1
4-Methyl-2-pentanone	ND		ug/kg	7.8	--	1
2-Hexanone	ND		ug/kg	7.8	--	1
Bromochloromethane	ND		ug/kg	1.6	--	1
Tetrahydrofuran	ND		ug/kg	3.1	--	1
2,2-Dichloropropane	ND		ug/kg	1.6	--	1
1,2-Dibromoethane	ND		ug/kg	0.78	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.39	--	1
Bromobenzene	ND		ug/kg	1.6	--	1
n-Butylbenzene	ND		ug/kg	0.78	--	1
sec-Butylbenzene	ND		ug/kg	0.78	--	1
tert-Butylbenzene	ND		ug/kg	1.6	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.6	--	1
o-Chlorotoluene	ND		ug/kg	1.6	--	1
p-Chlorotoluene	ND		ug/kg	1.6	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.3	--	1
Hexachlorobutadiene	ND		ug/kg	3.1	--	1
Isopropylbenzene	ND		ug/kg	0.78	--	1
p-Isopropyltoluene	1.9		ug/kg	0.78	--	1
Naphthalene	ND		ug/kg	3.1	--	1
n-Propylbenzene	ND		ug/kg	0.78	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-04 Date Collected: 07/25/19 13:00

Client ID: SB19-66 (0-2) Date Received: 07/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.6	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.6	--	1
Ethyl ether	ND		ug/kg	1.6	--	1
Isopropyl Ether	ND		ug/kg	1.6	--	1
Tert-Butyl Alcohol	ND		ug/kg	16	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.6	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.6	--	1
1,4-Dioxane	ND		ug/kg	62	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	106		70-130

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1933407
Report Date: 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-05
Client ID: SB19-66 (27-29)
Sample Location: SALEM, NH

Date Collected: 07/25/19 13:30
Date Received: 07/26/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/06/19 11:48
Analyst: NLK
Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.8	--	1
1,1-Dichloroethane	ND		ug/kg	0.76	--	1
Chloroform	ND		ug/kg	1.1	--	1
Carbon tetrachloride	ND		ug/kg	0.76	--	1
1,2-Dichloropropane	ND		ug/kg	0.76	--	1
Dibromochloromethane	ND		ug/kg	0.76	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.76	--	1
Tetrachloroethene	ND		ug/kg	0.38	--	1
Chlorobenzene	ND		ug/kg	0.38	--	1
Trichlorofluoromethane	ND		ug/kg	3.1	--	1
1,2-Dichloroethane	ND		ug/kg	0.76	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.38	--	1
Bromodichloromethane	ND		ug/kg	0.38	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.76	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.38	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.38	--	1
1,1-Dichloropropene	ND		ug/kg	0.38	--	1
Bromoform	ND		ug/kg	3.1	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.38	--	1
Benzene	ND		ug/kg	0.38	--	1
Toluene	ND		ug/kg	0.76	--	1
Ethylbenzene	ND		ug/kg	0.76	--	1
Chloromethane	ND		ug/kg	3.1	--	1
Bromomethane	ND		ug/kg	1.5	--	1
Vinyl chloride	ND		ug/kg	0.76	--	1
Chloroethane	ND		ug/kg	1.5	--	1
1,1-Dichloroethene	ND		ug/kg	0.76	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.1	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-05 Date Collected: 07/25/19 13:30

Client ID: SB19-66 (27-29) Date Received: 07/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	1.2		ug/kg	0.38	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.5	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.5	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.5	--	1
Methyl tert butyl ether	ND		ug/kg	1.5	--	1
p/m-Xylene	ND		ug/kg	1.5	--	1
o-Xylene	ND		ug/kg	0.76	--	1
Xylenes, Total	ND		ug/kg	0.76	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.76	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.76	--	1
Dibromomethane	ND		ug/kg	1.5	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.5	--	1
Styrene	ND		ug/kg	0.76	--	1
Dichlorodifluoromethane	ND		ug/kg	7.6	--	1
Acetone	ND		ug/kg	7.6	--	1
Carbon disulfide	ND		ug/kg	7.6	--	1
2-Butanone	ND		ug/kg	7.6	--	1
4-Methyl-2-pentanone	ND		ug/kg	7.6	--	1
2-Hexanone	ND		ug/kg	7.6	--	1
Bromochloromethane	ND		ug/kg	1.5	--	1
Tetrahydrofuran	ND		ug/kg	3.1	--	1
2,2-Dichloropropane	ND		ug/kg	1.5	--	1
1,2-Dibromoethane	ND		ug/kg	0.76	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.38	--	1
Bromobenzene	ND		ug/kg	1.5	--	1
n-Butylbenzene	ND		ug/kg	0.76	--	1
sec-Butylbenzene	ND		ug/kg	0.76	--	1
tert-Butylbenzene	ND		ug/kg	1.5	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.5	--	1
o-Chlorotoluene	ND		ug/kg	1.5	--	1
p-Chlorotoluene	ND		ug/kg	1.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.3	--	1
Hexachlorobutadiene	ND		ug/kg	3.1	--	1
Isopropylbenzene	ND		ug/kg	0.76	--	1
p-Isopropyltoluene	ND		ug/kg	0.76	--	1
Naphthalene	ND		ug/kg	3.1	--	1
n-Propylbenzene	ND		ug/kg	0.76	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-05 Date Collected: 07/25/19 13:30

Client ID: SB19-66 (27-29) Date Received: 07/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.5	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.5	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.5	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.5	--	1
Ethyl ether	ND		ug/kg	1.5	--	1
Isopropyl Ether	ND		ug/kg	1.5	--	1
Tert-Butyl Alcohol	ND		ug/kg	15	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.5	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.5	--	1
1,4-Dioxane	ND		ug/kg	61	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	105		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-06 Date Collected: 07/25/19 15:30

Client ID: SB19-67 (15-17.5) Date Received: 07/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 08/06/19 12:14

Analyst: NLK

Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.6	--	1
1,1-Dichloroethane	ND		ug/kg	0.72	--	1
Chloroform	ND		ug/kg	1.1	--	1
Carbon tetrachloride	ND		ug/kg	0.72	--	1
1,2-Dichloropropane	ND		ug/kg	0.72	--	1
Dibromochloromethane	ND		ug/kg	0.72	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.72	--	1
Tetrachloroethene	ND		ug/kg	0.36	--	1
Chlorobenzene	ND		ug/kg	0.36	--	1
Trichlorofluoromethane	ND		ug/kg	2.9	--	1
1,2-Dichloroethane	ND		ug/kg	0.72	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.36	--	1
Bromodichloromethane	ND		ug/kg	0.36	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.72	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.36	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.36	--	1
1,1-Dichloropropene	ND		ug/kg	0.36	--	1
Bromoform	ND		ug/kg	2.9	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.36	--	1
Benzene	ND		ug/kg	0.36	--	1
Toluene	ND		ug/kg	0.72	--	1
Ethylbenzene	ND		ug/kg	0.72	--	1
Chloromethane	ND		ug/kg	2.9	--	1
Bromomethane	ND		ug/kg	1.4	--	1
Vinyl chloride	ND		ug/kg	0.72	--	1
Chloroethane	ND		ug/kg	1.4	--	1
1,1-Dichloroethene	ND		ug/kg	0.72	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.1	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-06 Date Collected: 07/25/19 15:30

Client ID: SB19-67 (15-17.5) Date Received: 07/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.58		ug/kg	0.36	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.4	--	1
Methyl tert butyl ether	ND		ug/kg	1.4	--	1
p/m-Xylene	ND		ug/kg	1.4	--	1
o-Xylene	ND		ug/kg	0.72	--	1
Xylenes, Total	ND		ug/kg	0.72	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.72	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.72	--	1
Dibromomethane	ND		ug/kg	1.4	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.4	--	1
Styrene	ND		ug/kg	0.72	--	1
Dichlorodifluoromethane	ND		ug/kg	7.2	--	1
Acetone	ND		ug/kg	7.2	--	1
Carbon disulfide	ND		ug/kg	7.2	--	1
2-Butanone	ND		ug/kg	7.2	--	1
4-Methyl-2-pentanone	ND		ug/kg	7.2	--	1
2-Hexanone	ND		ug/kg	7.2	--	1
Bromochloromethane	ND		ug/kg	1.4	--	1
Tetrahydrofuran	ND		ug/kg	2.9	--	1
2,2-Dichloropropane	ND		ug/kg	1.4	--	1
1,2-Dibromoethane	ND		ug/kg	0.72	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.36	--	1
Bromobenzene	ND		ug/kg	1.4	--	1
n-Butylbenzene	ND		ug/kg	0.72	--	1
sec-Butylbenzene	ND		ug/kg	0.72	--	1
tert-Butylbenzene	ND		ug/kg	1.4	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.4	--	1
o-Chlorotoluene	ND		ug/kg	1.4	--	1
p-Chlorotoluene	ND		ug/kg	1.4	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.2	--	1
Hexachlorobutadiene	ND		ug/kg	2.9	--	1
Isopropylbenzene	ND		ug/kg	0.72	--	1
p-Isopropyltoluene	ND		ug/kg	0.72	--	1
Naphthalene	ND		ug/kg	2.9	--	1
n-Propylbenzene	ND		ug/kg	0.72	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-06 Date Collected: 07/25/19 15:30

Client ID: SB19-67 (15-17.5) Date Received: 07/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.4	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.4	--	1
Ethyl ether	ND		ug/kg	1.4	--	1
Isopropyl Ether	ND		ug/kg	1.4	--	1
Tert-Butyl Alcohol	ND		ug/kg	14	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.4	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.4	--	1
1,4-Dioxane	ND		ug/kg	57	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	105		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-07
Client ID: SB19-67 (32-34)
Sample Location: SALEM, NH

Date Collected: 07/25/19 15:45
Date Received: 07/26/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/06/19 12:41
Analyst: NLK
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	2.6	--	1
1,1-Dichloroethane	ND		ug/kg	0.51	--	1
Chloroform	ND		ug/kg	0.77	--	1
Carbon tetrachloride	ND		ug/kg	0.51	--	1
1,2-Dichloropropane	ND		ug/kg	0.51	--	1
Dibromochloromethane	ND		ug/kg	0.51	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.51	--	1
Tetrachloroethene	ND		ug/kg	0.26	--	1
Chlorobenzene	ND		ug/kg	0.26	--	1
Trichlorofluoromethane	ND		ug/kg	2.0	--	1
1,2-Dichloroethane	ND		ug/kg	0.51	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.26	--	1
Bromodichloromethane	ND		ug/kg	0.26	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.51	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.26	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.26	--	1
1,1-Dichloropropene	ND		ug/kg	0.26	--	1
Bromoform	ND		ug/kg	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.26	--	1
Benzene	ND		ug/kg	0.26	--	1
Toluene	ND		ug/kg	0.51	--	1
Ethylbenzene	ND		ug/kg	0.51	--	1
Chloromethane	ND		ug/kg	2.0	--	1
Bromomethane	ND		ug/kg	1.0	--	1
Vinyl chloride	ND		ug/kg	0.51	--	1
Chloroethane	ND		ug/kg	1.0	--	1
1,1-Dichloroethene	ND		ug/kg	0.51	--	1
trans-1,2-Dichloroethene	ND		ug/kg	0.77	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-07 Date Collected: 07/25/19 15:45

Client ID: SB19-67 (32-34) Date Received: 07/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.52		ug/kg	0.26	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.0	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.0	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.0	--	1
Methyl tert butyl ether	ND		ug/kg	1.0	--	1
p/m-Xylene	ND		ug/kg	1.0	--	1
o-Xylene	ND		ug/kg	0.51	--	1
Xylenes, Total	ND		ug/kg	0.51	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.51	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.51	--	1
Dibromomethane	ND		ug/kg	1.0	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.0	--	1
Styrene	ND		ug/kg	0.51	--	1
Dichlorodifluoromethane	ND		ug/kg	5.1	--	1
Acetone	ND		ug/kg	5.1	--	1
Carbon disulfide	ND		ug/kg	5.1	--	1
2-Butanone	ND		ug/kg	5.1	--	1
4-Methyl-2-pentanone	ND		ug/kg	5.1	--	1
2-Hexanone	ND		ug/kg	5.1	--	1
Bromochloromethane	ND		ug/kg	1.0	--	1
Tetrahydrofuran	ND		ug/kg	2.0	--	1
2,2-Dichloropropane	ND		ug/kg	1.0	--	1
1,2-Dibromoethane	ND		ug/kg	0.51	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.26	--	1
Bromobenzene	ND		ug/kg	1.0	--	1
n-Butylbenzene	ND		ug/kg	0.51	--	1
sec-Butylbenzene	ND		ug/kg	0.51	--	1
tert-Butylbenzene	ND		ug/kg	1.0	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.0	--	1
o-Chlorotoluene	ND		ug/kg	1.0	--	1
p-Chlorotoluene	ND		ug/kg	1.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	1.5	--	1
Hexachlorobutadiene	ND		ug/kg	2.0	--	1
Isopropylbenzene	ND		ug/kg	0.51	--	1
p-Isopropyltoluene	ND		ug/kg	0.51	--	1
Naphthalene	ND		ug/kg	2.0	--	1
n-Propylbenzene	ND		ug/kg	0.51	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-07 Date Collected: 07/25/19 15:45

Client ID: SB19-67 (32-34) Date Received: 07/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.0	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.0	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.0	--	1
Ethyl ether	ND		ug/kg	1.0	--	1
Isopropyl Ether	ND		ug/kg	1.0	--	1
Tert-Butyl Alcohol	ND		ug/kg	10	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.0	--	1
1,4-Dioxane	ND		ug/kg	41	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	105		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-08 Date Collected: 07/19/19 00:00
Client ID: TRIP BLANK Date Received: 07/26/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/06/19 08:18
Analyst: MV
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	250	--	1
1,1-Dichloroethane	ND		ug/kg	50	--	1
Chloroform	ND		ug/kg	75	--	1
Carbon tetrachloride	ND		ug/kg	50	--	1
1,2-Dichloropropane	ND		ug/kg	50	--	1
Dibromochloromethane	ND		ug/kg	50	--	1
1,1,2-Trichloroethane	ND		ug/kg	50	--	1
Tetrachloroethene	ND		ug/kg	25	--	1
Chlorobenzene	ND		ug/kg	25	--	1
Trichlorofluoromethane	ND		ug/kg	200	--	1
1,2-Dichloroethane	ND		ug/kg	50	--	1
1,1,1-Trichloroethane	ND		ug/kg	25	--	1
Bromodichloromethane	ND		ug/kg	25	--	1
trans-1,3-Dichloropropene	ND		ug/kg	50	--	1
cis-1,3-Dichloropropene	ND		ug/kg	25	--	1
1,3-Dichloropropene, Total	ND		ug/kg	25	--	1
1,1-Dichloropropene	ND		ug/kg	25	--	1
Bromoform	ND		ug/kg	200	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	--	1
Benzene	ND		ug/kg	25	--	1
Toluene	ND		ug/kg	50	--	1
Ethylbenzene	ND		ug/kg	50	--	1
Chloromethane	ND		ug/kg	200	--	1
Bromomethane	ND		ug/kg	100	--	1
Vinyl chloride	ND		ug/kg	50	--	1
Chloroethane	ND		ug/kg	100	--	1
1,1-Dichloroethene	ND		ug/kg	50	--	1
trans-1,2-Dichloroethene	ND		ug/kg	75	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-08 Date Collected: 07/19/19 00:00

Client ID: TRIP BLANK Date Received: 07/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	25	--	1
1,2-Dichlorobenzene	ND		ug/kg	100	--	1
1,3-Dichlorobenzene	ND		ug/kg	100	--	1
1,4-Dichlorobenzene	ND		ug/kg	100	--	1
Methyl tert butyl ether	ND		ug/kg	100	--	1
p/m-Xylene	ND		ug/kg	100	--	1
o-Xylene	ND		ug/kg	50	--	1
Xylenes, Total	ND		ug/kg	50	--	1
cis-1,2-Dichloroethene	ND		ug/kg	50	--	1
1,2-Dichloroethene, Total	ND		ug/kg	50	--	1
Dibromomethane	ND		ug/kg	100	--	1
1,2,3-Trichloropropane	ND		ug/kg	100	--	1
Styrene	ND		ug/kg	50	--	1
Dichlorodifluoromethane	ND		ug/kg	500	--	1
Acetone	ND		ug/kg	500	--	1
Carbon disulfide	ND		ug/kg	500	--	1
2-Butanone	ND		ug/kg	500	--	1
4-Methyl-2-pentanone	ND		ug/kg	500	--	1
2-Hexanone	ND		ug/kg	500	--	1
Bromochloromethane	ND		ug/kg	100	--	1
Tetrahydrofuran	ND		ug/kg	200	--	1
2,2-Dichloropropane	ND		ug/kg	100	--	1
1,2-Dibromoethane	ND		ug/kg	50	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	--	1
Bromobenzene	ND		ug/kg	100	--	1
n-Butylbenzene	ND		ug/kg	50	--	1
sec-Butylbenzene	ND		ug/kg	50	--	1
tert-Butylbenzene	ND		ug/kg	100	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	100	--	1
o-Chlorotoluene	ND		ug/kg	100	--	1
p-Chlorotoluene	ND		ug/kg	100	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	--	1
Hexachlorobutadiene	ND		ug/kg	200	--	1
Isopropylbenzene	ND		ug/kg	50	--	1
p-Isopropyltoluene	ND		ug/kg	50	--	1
Naphthalene	ND		ug/kg	200	--	1
n-Propylbenzene	ND		ug/kg	50	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-08 Date Collected: 07/19/19 00:00

Client ID: TRIP BLANK Date Received: 07/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	100	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	100	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	100	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	100	--	1
Ethyl ether	ND		ug/kg	100	--	1
Isopropyl Ether	ND		ug/kg	100	--	1
Tert-Butyl Alcohol	ND		ug/kg	1000	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	100	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	100	--	1
1,4-Dioxane	ND		ug/kg	4000	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	97		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-08 Date Collected: 07/19/19 00:00
Client ID: TRIP BLANK Date Received: 07/26/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/06/19 08:44
Analyst: MV
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	--	1
1,1-Dichloroethane	ND		ug/kg	1.0	--	1
Chloroform	ND		ug/kg	1.5	--	1
Carbon tetrachloride	ND		ug/kg	1.0	--	1
1,2-Dichloropropane	ND		ug/kg	1.0	--	1
Dibromochloromethane	ND		ug/kg	1.0	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	--	1
Tetrachloroethene	ND		ug/kg	0.50	--	1
Chlorobenzene	ND		ug/kg	0.50	--	1
Trichlorofluoromethane	ND		ug/kg	4.0	--	1
1,2-Dichloroethane	ND		ug/kg	1.0	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	--	1
Bromodichloromethane	ND		ug/kg	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--	1
1,1-Dichloropropene	ND		ug/kg	0.50	--	1
Bromoform	ND		ug/kg	4.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--	1
Benzene	ND		ug/kg	0.50	--	1
Toluene	1.2		ug/kg	1.0	--	1
Ethylbenzene	ND		ug/kg	1.0	--	1
Chloromethane	ND		ug/kg	4.0	--	1
Bromomethane	ND		ug/kg	2.0	--	1
Vinyl chloride	ND		ug/kg	1.0	--	1
Chloroethane	ND		ug/kg	2.0	--	1
1,1-Dichloroethene	ND		ug/kg	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-08 Date Collected: 07/19/19 00:00

Client ID: TRIP BLANK Date Received: 07/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	1.2		ug/kg	0.50	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	--	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	--	1
Methyl tert butyl ether	ND		ug/kg	2.0	--	1
p/m-Xylene	ND		ug/kg	2.0	--	1
o-Xylene	ND		ug/kg	1.0	--	1
Xylenes, Total	ND		ug/kg	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--	1
Dibromomethane	ND		ug/kg	2.0	--	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	--	1
Styrene	ND		ug/kg	1.0	--	1
Dichlorodifluoromethane	ND		ug/kg	10	--	1
Acetone	ND		ug/kg	10	--	1
Carbon disulfide	ND		ug/kg	10	--	1
2-Butanone	ND		ug/kg	10	--	1
4-Methyl-2-pentanone	ND		ug/kg	10	--	1
2-Hexanone	ND		ug/kg	10	--	1
Bromochloromethane	ND		ug/kg	2.0	--	1
Tetrahydrofuran	ND		ug/kg	4.0	--	1
2,2-Dichloropropane	ND		ug/kg	2.0	--	1
1,2-Dibromoethane	ND		ug/kg	1.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--	1
Bromobenzene	ND		ug/kg	2.0	--	1
n-Butylbenzene	ND		ug/kg	1.0	--	1
sec-Butylbenzene	ND		ug/kg	1.0	--	1
tert-Butylbenzene	ND		ug/kg	2.0	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	2.0	--	1
o-Chlorotoluene	ND		ug/kg	2.0	--	1
p-Chlorotoluene	ND		ug/kg	2.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--	1
Hexachlorobutadiene	ND		ug/kg	4.0	--	1
Isopropylbenzene	ND		ug/kg	1.0	--	1
p-Isopropyltoluene	ND		ug/kg	1.0	--	1
Naphthalene	ND		ug/kg	4.0	--	1
n-Propylbenzene	ND		ug/kg	1.0	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-08 Date Collected: 07/19/19 00:00

Client ID: TRIP BLANK Date Received: 07/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--	1
Ethyl ether	ND		ug/kg	2.0	--	1
Isopropyl Ether	ND		ug/kg	2.0	--	1
Tert-Butyl Alcohol	ND		ug/kg	20	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--	1
1,4-Dioxane	ND		ug/kg	80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	100		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-09
Client ID: SB19-68R (11.5-13)
Sample Location: SALEM, NH

Date Collected: 07/26/19 10:15
Date Received: 07/26/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/06/19 13:07
Analyst: NLK
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.7	--	1
1,1-Dichloroethane	ND		ug/kg	0.74	--	1
Chloroform	ND		ug/kg	1.1	--	1
Carbon tetrachloride	ND		ug/kg	0.74	--	1
1,2-Dichloropropane	ND		ug/kg	0.74	--	1
Dibromochloromethane	ND		ug/kg	0.74	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.74	--	1
Tetrachloroethene	ND		ug/kg	0.37	--	1
Chlorobenzene	ND		ug/kg	0.37	--	1
Trichlorofluoromethane	ND		ug/kg	3.0	--	1
1,2-Dichloroethane	ND		ug/kg	0.74	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.37	--	1
Bromodichloromethane	ND		ug/kg	0.37	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.74	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.37	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.37	--	1
1,1-Dichloropropene	ND		ug/kg	0.37	--	1
Bromoform	ND		ug/kg	3.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.37	--	1
Benzene	ND		ug/kg	0.37	--	1
Toluene	ND		ug/kg	0.74	--	1
Ethylbenzene	ND		ug/kg	0.74	--	1
Chloromethane	ND		ug/kg	3.0	--	1
Bromomethane	ND		ug/kg	1.5	--	1
Vinyl chloride	ND		ug/kg	0.74	--	1
Chloroethane	ND		ug/kg	1.5	--	1
1,1-Dichloroethene	ND		ug/kg	0.74	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.1	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-09 Date Collected: 07/26/19 10:15

Client ID: SB19-68R (11.5-13) Date Received: 07/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.87		ug/kg	0.37	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.5	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.5	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.5	--	1
Methyl tert butyl ether	ND		ug/kg	1.5	--	1
p/m-Xylene	ND		ug/kg	1.5	--	1
o-Xylene	ND		ug/kg	0.74	--	1
Xylenes, Total	ND		ug/kg	0.74	--	1
cis-1,2-Dichloroethene	3.3		ug/kg	0.74	--	1
1,2-Dichloroethene, Total	3.3		ug/kg	0.74	--	1
Dibromomethane	ND		ug/kg	1.5	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.5	--	1
Styrene	ND		ug/kg	0.74	--	1
Dichlorodifluoromethane	ND		ug/kg	7.4	--	1
Acetone	13		ug/kg	7.4	--	1
Carbon disulfide	ND		ug/kg	7.4	--	1
2-Butanone	ND		ug/kg	7.4	--	1
4-Methyl-2-pentanone	ND		ug/kg	7.4	--	1
2-Hexanone	ND		ug/kg	7.4	--	1
Bromochloromethane	ND		ug/kg	1.5	--	1
Tetrahydrofuran	ND		ug/kg	3.0	--	1
2,2-Dichloropropane	ND		ug/kg	1.5	--	1
1,2-Dibromoethane	ND		ug/kg	0.74	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.37	--	1
Bromobenzene	ND		ug/kg	1.5	--	1
n-Butylbenzene	ND		ug/kg	0.74	--	1
sec-Butylbenzene	ND		ug/kg	0.74	--	1
tert-Butylbenzene	ND		ug/kg	1.5	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.5	--	1
o-Chlorotoluene	ND		ug/kg	1.5	--	1
p-Chlorotoluene	ND		ug/kg	1.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.2	--	1
Hexachlorobutadiene	ND		ug/kg	3.0	--	1
Isopropylbenzene	ND		ug/kg	0.74	--	1
p-Isopropyltoluene	ND		ug/kg	0.74	--	1
Naphthalene	ND		ug/kg	3.0	--	1
n-Propylbenzene	ND		ug/kg	0.74	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-09 Date Collected: 07/26/19 10:15

Client ID: SB19-68R (11.5-13) Date Received: 07/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.5	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.5	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.5	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.5	--	1
Ethyl ether	ND		ug/kg	1.5	--	1
Isopropyl Ether	ND		ug/kg	1.5	--	1
Tert-Butyl Alcohol	ND		ug/kg	15	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.5	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.5	--	1
1,4-Dioxane	ND		ug/kg	60	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	105		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-10
Client ID: SB19-68R (16.75-17.75)
Sample Location: SALEM, NH

Date Collected: 07/26/19 10:20
Date Received: 07/26/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/06/19 13:33
Analyst: MV
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.5	--	1
1,1-Dichloroethane	ND		ug/kg	0.70	--	1
Chloroform	ND		ug/kg	1.0	--	1
Carbon tetrachloride	ND		ug/kg	0.70	--	1
1,2-Dichloropropane	ND		ug/kg	0.70	--	1
Dibromochloromethane	ND		ug/kg	0.70	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.70	--	1
Tetrachloroethene	ND		ug/kg	0.35	--	1
Chlorobenzene	ND		ug/kg	0.35	--	1
Trichlorofluoromethane	ND		ug/kg	2.8	--	1
1,2-Dichloroethane	ND		ug/kg	0.70	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.35	--	1
Bromodichloromethane	ND		ug/kg	0.35	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.70	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.35	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.35	--	1
1,1-Dichloropropene	ND		ug/kg	0.35	--	1
Bromoform	ND		ug/kg	2.8	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.35	--	1
Benzene	ND		ug/kg	0.35	--	1
Toluene	1.1		ug/kg	0.70	--	1
Ethylbenzene	ND		ug/kg	0.70	--	1
Chloromethane	ND		ug/kg	2.8	--	1
Bromomethane	ND		ug/kg	1.4	--	1
Vinyl chloride	ND		ug/kg	0.70	--	1
Chloroethane	ND		ug/kg	1.4	--	1
1,1-Dichloroethene	ND		ug/kg	0.70	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.0	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-10 Date Collected: 07/26/19 10:20

Client ID: SB19-68R (16.75-17.75) Date Received: 07/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	1.0		ug/kg	0.35	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.4	--	1
Methyl tert butyl ether	ND		ug/kg	1.4	--	1
p/m-Xylene	ND		ug/kg	1.4	--	1
o-Xylene	ND		ug/kg	0.70	--	1
Xylenes, Total	ND		ug/kg	0.70	--	1
cis-1,2-Dichloroethene	3.2		ug/kg	0.70	--	1
1,2-Dichloroethene, Total	3.2		ug/kg	0.70	--	1
Dibromomethane	ND		ug/kg	1.4	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.4	--	1
Styrene	ND		ug/kg	0.70	--	1
Dichlorodifluoromethane	ND		ug/kg	7.0	--	1
Acetone	ND		ug/kg	7.0	--	1
Carbon disulfide	ND		ug/kg	7.0	--	1
2-Butanone	ND		ug/kg	7.0	--	1
4-Methyl-2-pentanone	ND		ug/kg	7.0	--	1
2-Hexanone	ND		ug/kg	7.0	--	1
Bromochloromethane	ND		ug/kg	1.4	--	1
Tetrahydrofuran	ND		ug/kg	2.8	--	1
2,2-Dichloropropane	ND		ug/kg	1.4	--	1
1,2-Dibromoethane	ND		ug/kg	0.70	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.35	--	1
Bromobenzene	ND		ug/kg	1.4	--	1
n-Butylbenzene	ND		ug/kg	0.70	--	1
sec-Butylbenzene	ND		ug/kg	0.70	--	1
tert-Butylbenzene	ND		ug/kg	1.4	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.4	--	1
o-Chlorotoluene	ND		ug/kg	1.4	--	1
p-Chlorotoluene	ND		ug/kg	1.4	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.1	--	1
Hexachlorobutadiene	ND		ug/kg	2.8	--	1
Isopropylbenzene	ND		ug/kg	0.70	--	1
p-Isopropyltoluene	ND		ug/kg	0.70	--	1
Naphthalene	ND		ug/kg	2.8	--	1
n-Propylbenzene	ND		ug/kg	0.70	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-10 Date Collected: 07/26/19 10:20

Client ID: SB19-68R (16.75-17.75) Date Received: 07/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.4	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.4	--	1
Ethyl ether	ND		ug/kg	1.4	--	1
Isopropyl Ether	ND		ug/kg	1.4	--	1
Tert-Butyl Alcohol	ND		ug/kg	14	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.4	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.4	--	1
1,4-Dioxane	ND		ug/kg	56	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	105		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-11 Date Collected: 07/26/19 13:20
Client ID: SB19-69 (16.5-18.5) Date Received: 07/26/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/06/19 10:03
Analyst: MV
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	690	--	1
1,1-Dichloroethane	ND		ug/kg	140	--	1
Chloroform	ND		ug/kg	210	--	1
Carbon tetrachloride	ND		ug/kg	140	--	1
1,2-Dichloropropane	ND		ug/kg	140	--	1
Dibromochloromethane	ND		ug/kg	140	--	1
1,1,2-Trichloroethane	ND		ug/kg	140	--	1
Tetrachloroethene	ND		ug/kg	69	--	1
Chlorobenzene	ND		ug/kg	69	--	1
Trichlorofluoromethane	ND		ug/kg	550	--	1
1,2-Dichloroethane	ND		ug/kg	140	--	1
1,1,1-Trichloroethane	230		ug/kg	69	--	1
Bromodichloromethane	ND		ug/kg	69	--	1
trans-1,3-Dichloropropene	ND		ug/kg	140	--	1
cis-1,3-Dichloropropene	ND		ug/kg	69	--	1
1,3-Dichloropropene, Total	ND		ug/kg	69	--	1
1,1-Dichloropropene	ND		ug/kg	69	--	1
Bromoform	ND		ug/kg	550	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	69	--	1
Benzene	ND		ug/kg	69	--	1
Toluene	ND		ug/kg	140	--	1
Ethylbenzene	ND		ug/kg	140	--	1
Chloromethane	ND		ug/kg	550	--	1
Bromomethane	ND		ug/kg	280	--	1
Vinyl chloride	ND		ug/kg	140	--	1
Chloroethane	ND		ug/kg	280	--	1
1,1-Dichloroethene	ND		ug/kg	140	--	1
trans-1,2-Dichloroethene	ND		ug/kg	210	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-11 Date Collected: 07/26/19 13:20

Client ID: SB19-69 (16.5-18.5) Date Received: 07/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	2500		ug/kg	69	--	1
1,2-Dichlorobenzene	ND		ug/kg	280	--	1
1,3-Dichlorobenzene	ND		ug/kg	280	--	1
1,4-Dichlorobenzene	ND		ug/kg	280	--	1
Methyl tert butyl ether	ND		ug/kg	280	--	1
p/m-Xylene	ND		ug/kg	280	--	1
o-Xylene	ND		ug/kg	140	--	1
Xylenes, Total	ND		ug/kg	140	--	1
cis-1,2-Dichloroethene	2000		ug/kg	140	--	1
1,2-Dichloroethene, Total	2000		ug/kg	140	--	1
Dibromomethane	ND		ug/kg	280	--	1
1,2,3-Trichloropropane	ND		ug/kg	280	--	1
Styrene	ND		ug/kg	140	--	1
Dichlorodifluoromethane	ND		ug/kg	1400	--	1
Acetone	ND		ug/kg	1400	--	1
Carbon disulfide	ND		ug/kg	1400	--	1
2-Butanone	ND		ug/kg	1400	--	1
4-Methyl-2-pentanone	ND		ug/kg	1400	--	1
2-Hexanone	ND		ug/kg	1400	--	1
Bromochloromethane	ND		ug/kg	280	--	1
Tetrahydrofuran	ND		ug/kg	550	--	1
2,2-Dichloropropane	ND		ug/kg	280	--	1
1,2-Dibromoethane	ND		ug/kg	140	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	69	--	1
Bromobenzene	ND		ug/kg	280	--	1
n-Butylbenzene	ND		ug/kg	140	--	1
sec-Butylbenzene	ND		ug/kg	140	--	1
tert-Butylbenzene	ND		ug/kg	280	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	280	--	1
o-Chlorotoluene	ND		ug/kg	280	--	1
p-Chlorotoluene	ND		ug/kg	280	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	410	--	1
Hexachlorobutadiene	ND		ug/kg	550	--	1
Isopropylbenzene	ND		ug/kg	140	--	1
p-Isopropyltoluene	ND		ug/kg	140	--	1
Naphthalene	ND		ug/kg	550	--	1
n-Propylbenzene	ND		ug/kg	140	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-11 Date Collected: 07/26/19 13:20

Client ID: SB19-69 (16.5-18.5) Date Received: 07/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	280	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	280	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	280	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	280	--	1
Ethyl ether	ND		ug/kg	280	--	1
Isopropyl Ether	ND		ug/kg	280	--	1
Tert-Butyl Alcohol	ND		ug/kg	2800	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	280	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	280	--	1
1,4-Dioxane	ND		ug/kg	11000	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	100		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-12
Client ID: SB19-70 (10-12.5)
Sample Location: SALEM, NH

Date Collected: 07/26/19 14:50
Date Received: 07/26/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/06/19 14:00
Analyst: MV
Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.7	--	1
1,1-Dichloroethane	ND		ug/kg	0.75	--	1
Chloroform	ND		ug/kg	1.1	--	1
Carbon tetrachloride	ND		ug/kg	0.75	--	1
1,2-Dichloropropane	ND		ug/kg	0.75	--	1
Dibromochloromethane	ND		ug/kg	0.75	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.75	--	1
Tetrachloroethene	ND		ug/kg	0.37	--	1
Chlorobenzene	1.5		ug/kg	0.37	--	1
Trichlorofluoromethane	ND		ug/kg	3.0	--	1
1,2-Dichloroethane	ND		ug/kg	0.75	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.37	--	1
Bromodichloromethane	ND		ug/kg	0.37	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.75	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.37	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.37	--	1
1,1-Dichloropropene	ND		ug/kg	0.37	--	1
Bromoform	ND		ug/kg	3.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.37	--	1
Benzene	ND		ug/kg	0.37	--	1
Toluene	1.1		ug/kg	0.75	--	1
Ethylbenzene	ND		ug/kg	0.75	--	1
Chloromethane	ND		ug/kg	3.0	--	1
Bromomethane	ND		ug/kg	1.5	--	1
Vinyl chloride	ND		ug/kg	0.75	--	1
Chloroethane	ND		ug/kg	1.5	--	1
1,1-Dichloroethene	ND		ug/kg	0.75	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.1	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-12 Date Collected: 07/26/19 14:50

Client ID: SB19-70 (10-12.5) Date Received: 07/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.56		ug/kg	0.37	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.5	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.5	--	1
1,4-Dichlorobenzene	4.0		ug/kg	1.5	--	1
Methyl tert butyl ether	ND		ug/kg	1.5	--	1
p/m-Xylene	ND		ug/kg	1.5	--	1
o-Xylene	ND		ug/kg	0.75	--	1
Xylenes, Total	ND		ug/kg	0.75	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.75	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.75	--	1
Dibromomethane	ND		ug/kg	1.5	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.5	--	1
Styrene	ND		ug/kg	0.75	--	1
Dichlorodifluoromethane	ND		ug/kg	7.5	--	1
Acetone	26		ug/kg	7.5	--	1
Carbon disulfide	ND		ug/kg	7.5	--	1
2-Butanone	ND		ug/kg	7.5	--	1
4-Methyl-2-pentanone	ND		ug/kg	7.5	--	1
2-Hexanone	ND		ug/kg	7.5	--	1
Bromochloromethane	ND		ug/kg	1.5	--	1
Tetrahydrofuran	ND		ug/kg	3.0	--	1
2,2-Dichloropropane	ND		ug/kg	1.5	--	1
1,2-Dibromoethane	ND		ug/kg	0.75	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.37	--	1
Bromobenzene	ND		ug/kg	1.5	--	1
n-Butylbenzene	ND		ug/kg	0.75	--	1
sec-Butylbenzene	ND		ug/kg	0.75	--	1
tert-Butylbenzene	ND		ug/kg	1.5	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.5	--	1
o-Chlorotoluene	ND		ug/kg	1.5	--	1
p-Chlorotoluene	ND		ug/kg	1.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.2	--	1
Hexachlorobutadiene	ND		ug/kg	3.0	--	1
Isopropylbenzene	ND		ug/kg	0.75	--	1
p-Isopropyltoluene	0.98		ug/kg	0.75	--	1
Naphthalene	ND		ug/kg	3.0	--	1
n-Propylbenzene	ND		ug/kg	0.75	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-12 Date Collected: 07/26/19 14:50

Client ID: SB19-70 (10-12.5) Date Received: 07/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.5	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.5	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.5	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.5	--	1
Ethyl ether	ND		ug/kg	1.5	--	1
Isopropyl Ether	ND		ug/kg	1.5	--	1
Tert-Butyl Alcohol	ND		ug/kg	15	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.5	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.5	--	1
1,4-Dioxane	ND		ug/kg	60	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	106		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-13 Date Collected: 07/26/19 14:55

Client ID: SB19-70 (16-17) Date Received: 07/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 08/06/19 10:29

Analyst: MV

Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	670	--	1
1,1-Dichloroethane	ND		ug/kg	130	--	1
Chloroform	ND		ug/kg	200	--	1
Carbon tetrachloride	ND		ug/kg	130	--	1
1,2-Dichloropropane	ND		ug/kg	130	--	1
Dibromochloromethane	ND		ug/kg	130	--	1
1,1,2-Trichloroethane	ND		ug/kg	130	--	1
Tetrachloroethene	ND		ug/kg	67	--	1
Chlorobenzene	ND		ug/kg	67	--	1
Trichlorofluoromethane	ND		ug/kg	540	--	1
1,2-Dichloroethane	ND		ug/kg	130	--	1
1,1,1-Trichloroethane	230		ug/kg	67	--	1
Bromodichloromethane	ND		ug/kg	67	--	1
trans-1,3-Dichloropropene	ND		ug/kg	130	--	1
cis-1,3-Dichloropropene	ND		ug/kg	67	--	1
1,3-Dichloropropene, Total	ND		ug/kg	67	--	1
1,1-Dichloropropene	ND		ug/kg	67	--	1
Bromoform	ND		ug/kg	540	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	67	--	1
Benzene	ND		ug/kg	67	--	1
Toluene	ND		ug/kg	130	--	1
Ethylbenzene	ND		ug/kg	130	--	1
Chloromethane	ND		ug/kg	540	--	1
Bromomethane	ND		ug/kg	270	--	1
Vinyl chloride	160		ug/kg	130	--	1
Chloroethane	ND		ug/kg	270	--	1
1,1-Dichloroethene	ND		ug/kg	130	--	1
trans-1,2-Dichloroethene	ND		ug/kg	200	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-13 Date Collected: 07/26/19 14:55

Client ID: SB19-70 (16-17) Date Received: 07/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	67	--	1
1,2-Dichlorobenzene	ND		ug/kg	270	--	1
1,3-Dichlorobenzene	ND		ug/kg	270	--	1
1,4-Dichlorobenzene	ND		ug/kg	270	--	1
Methyl tert butyl ether	ND		ug/kg	270	--	1
p/m-Xylene	ND		ug/kg	270	--	1
o-Xylene	ND		ug/kg	130	--	1
Xylenes, Total	ND		ug/kg	130	--	1
cis-1,2-Dichloroethene	4400		ug/kg	130	--	1
1,2-Dichloroethene, Total	4400		ug/kg	130	--	1
Dibromomethane	ND		ug/kg	270	--	1
1,2,3-Trichloropropane	ND		ug/kg	270	--	1
Styrene	ND		ug/kg	130	--	1
Dichlorodifluoromethane	ND		ug/kg	1300	--	1
Acetone	ND		ug/kg	1300	--	1
Carbon disulfide	ND		ug/kg	1300	--	1
2-Butanone	ND		ug/kg	1300	--	1
4-Methyl-2-pentanone	ND		ug/kg	1300	--	1
2-Hexanone	ND		ug/kg	1300	--	1
Bromochloromethane	ND		ug/kg	270	--	1
Tetrahydrofuran	ND		ug/kg	540	--	1
2,2-Dichloropropane	ND		ug/kg	270	--	1
1,2-Dibromoethane	ND		ug/kg	130	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	67	--	1
Bromobenzene	ND		ug/kg	270	--	1
n-Butylbenzene	ND		ug/kg	130	--	1
sec-Butylbenzene	ND		ug/kg	130	--	1
tert-Butylbenzene	ND		ug/kg	270	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	270	--	1
o-Chlorotoluene	ND		ug/kg	270	--	1
p-Chlorotoluene	ND		ug/kg	270	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	400	--	1
Hexachlorobutadiene	ND		ug/kg	540	--	1
Isopropylbenzene	ND		ug/kg	130	--	1
p-Isopropyltoluene	ND		ug/kg	130	--	1
Naphthalene	ND		ug/kg	540	--	1
n-Propylbenzene	ND		ug/kg	130	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-13 Date Collected: 07/26/19 14:55

Client ID: SB19-70 (16-17) Date Received: 07/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	270	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	270	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	270	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	270	--	1
Ethyl ether	ND		ug/kg	270	--	1
Isopropyl Ether	ND		ug/kg	270	--	1
Tert-Butyl Alcohol	ND		ug/kg	2700	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	270	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	270	--	1
1,4-Dioxane	ND		ug/kg	11000	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	99		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-14 Date Collected: 07/26/19 14:55
Client ID: SB19-70 (16-17) DUP Date Received: 07/26/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/06/19 14:26
Analyst: MV
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.0	--	1
1,1-Dichloroethane	21		ug/kg	0.81	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.81	--	1
1,2-Dichloropropane	ND		ug/kg	0.81	--	1
Dibromochloromethane	ND		ug/kg	0.81	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.81	--	1
Tetrachloroethene	ND		ug/kg	0.40	--	1
Chlorobenzene	0.45		ug/kg	0.40	--	1
Trichlorofluoromethane	ND		ug/kg	3.2	--	1
1,2-Dichloroethane	ND		ug/kg	0.81	--	1
1,1,1-Trichloroethane	190		ug/kg	0.40	--	1
Bromodichloromethane	ND		ug/kg	0.40	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.81	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.40	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.40	--	1
1,1-Dichloropropene	ND		ug/kg	0.40	--	1
Bromoform	ND		ug/kg	3.2	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.40	--	1
Benzene	0.91		ug/kg	0.40	--	1
Toluene	44		ug/kg	0.81	--	1
Ethylbenzene	11		ug/kg	0.81	--	1
Chloromethane	ND		ug/kg	3.2	--	1
Bromomethane	ND		ug/kg	1.6	--	1
Vinyl chloride	220		ug/kg	0.81	--	1
Chloroethane	ND		ug/kg	1.6	--	1
1,1-Dichloroethene	13		ug/kg	0.81	--	1
trans-1,2-Dichloroethene	12		ug/kg	1.2	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-14 Date Collected: 07/26/19 14:55

Client ID: SB19-70 (16-17) DUP Date Received: 07/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	2.8		ug/kg	0.40	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.6	--	1
Methyl tert butyl ether	ND		ug/kg	1.6	--	1
p/m-Xylene	30		ug/kg	1.6	--	1
o-Xylene	9.4		ug/kg	0.81	--	1
Xylenes, Total	39		ug/kg	0.81	--	1
cis-1,2-Dichloroethene	2700	E	ug/kg	0.81	--	1
Dibromomethane	ND		ug/kg	1.6	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.6	--	1
Styrene	ND		ug/kg	0.81	--	1
Dichlorodifluoromethane	ND		ug/kg	8.1	--	1
Acetone	9.0		ug/kg	8.1	--	1
Carbon disulfide	ND		ug/kg	8.1	--	1
2-Butanone	ND		ug/kg	8.1	--	1
4-Methyl-2-pentanone	ND		ug/kg	8.1	--	1
2-Hexanone	ND		ug/kg	8.1	--	1
Bromochloromethane	ND		ug/kg	1.6	--	1
Tetrahydrofuran	ND		ug/kg	3.2	--	1
2,2-Dichloropropane	ND		ug/kg	1.6	--	1
1,2-Dibromoethane	ND		ug/kg	0.81	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.40	--	1
Bromobenzene	ND		ug/kg	1.6	--	1
n-Butylbenzene	ND		ug/kg	0.81	--	1
sec-Butylbenzene	ND		ug/kg	0.81	--	1
tert-Butylbenzene	ND		ug/kg	1.6	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.6	--	1
o-Chlorotoluene	ND		ug/kg	1.6	--	1
p-Chlorotoluene	ND		ug/kg	1.6	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.4	--	1
Hexachlorobutadiene	ND		ug/kg	3.2	--	1
Isopropylbenzene	ND		ug/kg	0.81	--	1
p-Isopropyltoluene	ND		ug/kg	0.81	--	1
Naphthalene	ND		ug/kg	3.2	--	1
n-Propylbenzene	ND		ug/kg	0.81	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.6	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-14 Date Collected: 07/26/19 14:55

Client ID: SB19-70 (16-17) DUP Date Received: 07/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.6	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.6	--	1
Ethyl ether	ND		ug/kg	1.6	--	1
Isopropyl Ether	ND		ug/kg	1.6	--	1
Tert-Butyl Alcohol	ND		ug/kg	16	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.6	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.6	--	1
1,4-Dioxane	ND		ug/kg	65	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	103		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-14 Date Collected: 07/26/19 14:55
Client ID: SB19-70 (16-17) DUP Date Received: 07/26/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/07/19 09:17
Analyst: NLK
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	660	--	1
1,1-Dichloroethane	ND		ug/kg	130	--	1
Chloroform	ND		ug/kg	200	--	1
Carbon tetrachloride	ND		ug/kg	130	--	1
1,2-Dichloropropane	ND		ug/kg	130	--	1
Dibromochloromethane	ND		ug/kg	130	--	1
1,1,2-Trichloroethane	ND		ug/kg	130	--	1
Tetrachloroethene	ND		ug/kg	66	--	1
Chlorobenzene	ND		ug/kg	66	--	1
Trichlorofluoromethane	ND		ug/kg	530	--	1
1,2-Dichloroethane	ND		ug/kg	130	--	1
1,1,1-Trichloroethane	ND		ug/kg	66	--	1
Bromodichloromethane	ND		ug/kg	66	--	1
trans-1,3-Dichloropropene	ND		ug/kg	130	--	1
cis-1,3-Dichloropropene	ND		ug/kg	66	--	1
1,3-Dichloropropene, Total	ND		ug/kg	66	--	1
1,1-Dichloropropene	ND		ug/kg	66	--	1
Bromoform	ND		ug/kg	530	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	66	--	1
Benzene	ND		ug/kg	66	--	1
Toluene	ND		ug/kg	130	--	1
Ethylbenzene	ND		ug/kg	130	--	1
Chloromethane	ND		ug/kg	530	--	1
Bromomethane	ND		ug/kg	260	--	1
Vinyl chloride	ND		ug/kg	130	--	1
Chloroethane	ND		ug/kg	260	--	1
1,1-Dichloroethene	ND		ug/kg	130	--	1
trans-1,2-Dichloroethene	ND		ug/kg	200	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-14 Date Collected: 07/26/19 14:55

Client ID: SB19-70 (16-17) DUP Date Received: 07/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	66	--	1
1,2-Dichlorobenzene	ND		ug/kg	260	--	1
1,3-Dichlorobenzene	ND		ug/kg	260	--	1
1,4-Dichlorobenzene	ND		ug/kg	260	--	1
Methyl tert butyl ether	ND		ug/kg	260	--	1
p/m-Xylene	ND		ug/kg	260	--	1
o-Xylene	ND		ug/kg	130	--	1
Xylenes, Total	ND		ug/kg	130	--	1
cis-1,2-Dichloroethene	1600		ug/kg	130	--	1
1,2-Dichloroethene, Total	1600		ug/kg	130	--	1
Dibromomethane	ND		ug/kg	260	--	1
1,2,3-Trichloropropane	ND		ug/kg	260	--	1
Styrene	ND		ug/kg	130	--	1
Dichlorodifluoromethane	ND		ug/kg	1300	--	1
Acetone	ND		ug/kg	1300	--	1
Carbon disulfide	ND		ug/kg	1300	--	1
2-Butanone	ND		ug/kg	1300	--	1
4-Methyl-2-pentanone	ND		ug/kg	1300	--	1
2-Hexanone	ND		ug/kg	1300	--	1
Bromochloromethane	ND		ug/kg	260	--	1
Tetrahydrofuran	ND		ug/kg	530	--	1
2,2-Dichloropropane	ND		ug/kg	260	--	1
1,2-Dibromoethane	ND		ug/kg	130	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	66	--	1
Bromobenzene	ND		ug/kg	260	--	1
n-Butylbenzene	ND		ug/kg	130	--	1
sec-Butylbenzene	ND		ug/kg	130	--	1
tert-Butylbenzene	ND		ug/kg	260	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	260	--	1
o-Chlorotoluene	ND		ug/kg	260	--	1
p-Chlorotoluene	ND		ug/kg	260	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	400	--	1
Hexachlorobutadiene	ND		ug/kg	530	--	1
Isopropylbenzene	ND		ug/kg	130	--	1
p-Isopropyltoluene	ND		ug/kg	130	--	1
Naphthalene	ND		ug/kg	530	--	1
n-Propylbenzene	ND		ug/kg	130	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-14 Date Collected: 07/26/19 14:55

Client ID: SB19-70 (16-17) DUP Date Received: 07/26/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	260	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	260	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	260	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	260	--	1
Ethyl ether	ND		ug/kg	260	--	1
Isopropyl Ether	ND		ug/kg	260	--	1
Tert-Butyl Alcohol	ND		ug/kg	2600	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	260	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	260	--	1
1,4-Dioxane	ND		ug/kg	10000	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	95		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/06/19 07:52
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01-02,08,11,13 Batch: WG1269125-5					
Methylene chloride	ND		ug/kg	250	--
1,1-Dichloroethane	ND		ug/kg	50	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	50	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	50	--
Tetrachloroethene	ND		ug/kg	25	--
Chlorobenzene	ND		ug/kg	25	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	25	--
Bromodichloromethane	ND		ug/kg	25	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	25	--
1,3-Dichloropropene, Total	ND		ug/kg	25	--
1,1-Dichloropropene	ND		ug/kg	25	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	--
Benzene	ND		ug/kg	25	--
Toluene	ND		ug/kg	50	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	50	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	25	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/06/19 07:52
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01-02,08,11,13 Batch: WG1269125-5					
1,2-Dichlorobenzene	ND		ug/kg	100	--
1,3-Dichlorobenzene	ND		ug/kg	100	--
1,4-Dichlorobenzene	ND		ug/kg	100	--
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	50	--
Xylenes, Total	ND		ug/kg	50	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
1,2-Dichloroethene, Total	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	100	--
1,2,3-Trichloropropane	ND		ug/kg	100	--
Styrene	ND		ug/kg	50	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	500	--
Carbon disulfide	ND		ug/kg	500	--
2-Butanone	ND		ug/kg	500	--
4-Methyl-2-pentanone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	100	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	100	--
1,2-Dibromoethane	ND		ug/kg	50	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	--
Bromobenzene	ND		ug/kg	100	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	100	--
1,3,5-Trichlorobenzene	ND		ug/kg	100	--
o-Chlorotoluene	ND		ug/kg	100	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/06/19 07:52
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01-02,08,11,13 Batch: WG1269125-5					
p-Chlorotoluene	ND		ug/kg	100	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--
1,2,3-Trichlorobenzene	ND		ug/kg	100	--
1,2,4-Trichlorobenzene	ND		ug/kg	100	--
1,3,5-Trimethylbenzene	ND		ug/kg	100	--
1,2,4-Trimethylbenzene	ND		ug/kg	100	--
Ethyl ether	ND		ug/kg	100	--
Isopropyl Ether	ND		ug/kg	100	--
Tert-Butyl Alcohol	ND		ug/kg	1000	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	100	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	100	--
1,4-Dioxane	ND		ug/kg	4000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	97		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/06/19 07:52
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03-10,12,14 Batch: WG1269193-5					
Methylene chloride	ND		ug/kg	5.0	--
1,1-Dichloroethane	ND		ug/kg	1.0	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	1.0	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.0	--
Tetrachloroethene	ND		ug/kg	0.50	--
Chlorobenzene	ND		ug/kg	0.50	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	0.50	--
Bromodichloromethane	ND		ug/kg	0.50	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--
1,1-Dichloropropene	ND		ug/kg	0.50	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--
Benzene	ND		ug/kg	0.50	--
Toluene	ND		ug/kg	1.0	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	1.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	0.50	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/06/19 07:52
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03-10,12,14 Batch: WG1269193-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	--
1,3-Dichlorobenzene	ND		ug/kg	2.0	--
1,4-Dichlorobenzene	ND		ug/kg	2.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	1.0	--
Xylenes, Total	ND		ug/kg	1.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	2.0	--
1,2,3-Trichloropropane	ND		ug/kg	2.0	--
Styrene	ND		ug/kg	1.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	10	--
Carbon disulfide	ND		ug/kg	10	--
2-Butanone	ND		ug/kg	10	--
4-Methyl-2-pentanone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Bromochloromethane	ND		ug/kg	2.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	2.0	--
1,2-Dibromoethane	ND		ug/kg	1.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--
Bromobenzene	ND		ug/kg	2.0	--
n-Butylbenzene	ND		ug/kg	1.0	--
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	2.0	--
1,3,5-Trichlorobenzene	ND		ug/kg	2.0	--
o-Chlorotoluene	ND		ug/kg	2.0	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/06/19 07:52
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03-10,12,14 Batch: WG1269193-5					
p-Chlorotoluene	ND		ug/kg	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--
Ethyl ether	ND		ug/kg	2.0	--
Isopropyl Ether	ND		ug/kg	2.0	--
Tert-Butyl Alcohol	ND		ug/kg	20	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--
1,4-Dioxane	ND		ug/kg	80	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	97		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/07/19 07:06
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 14 Batch: WG1269541-5					
Methylene chloride	ND		ug/kg	250	--
1,1-Dichloroethane	ND		ug/kg	50	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	50	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	50	--
Tetrachloroethene	ND		ug/kg	25	--
Chlorobenzene	ND		ug/kg	25	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	25	--
Bromodichloromethane	ND		ug/kg	25	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	25	--
1,3-Dichloropropene, Total	ND		ug/kg	25	--
1,1-Dichloropropene	ND		ug/kg	25	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	--
Benzene	ND		ug/kg	25	--
Toluene	ND		ug/kg	50	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	50	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	25	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/07/19 07:06
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 14 Batch: WG1269541-5					
1,2-Dichlorobenzene	ND		ug/kg	100	--
1,3-Dichlorobenzene	ND		ug/kg	100	--
1,4-Dichlorobenzene	ND		ug/kg	100	--
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	50	--
Xylenes, Total	ND		ug/kg	50	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
1,2-Dichloroethene, Total	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	100	--
1,2,3-Trichloropropane	ND		ug/kg	100	--
Styrene	ND		ug/kg	50	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	500	--
Carbon disulfide	ND		ug/kg	500	--
2-Butanone	ND		ug/kg	500	--
4-Methyl-2-pentanone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	100	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	100	--
1,2-Dibromoethane	ND		ug/kg	50	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	--
Bromobenzene	ND		ug/kg	100	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	100	--
1,3,5-Trichlorobenzene	ND		ug/kg	100	--
o-Chlorotoluene	ND		ug/kg	100	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1933407

Project Number: 0231841 **Report Date:** 08/07/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/07/19 07:06
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 14 Batch: WG1269541-5					
p-Chlorotoluene	ND		ug/kg	100	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--
1,2,3-Trichlorobenzene	ND		ug/kg	100	--
1,2,4-Trichlorobenzene	ND		ug/kg	100	--
1,3,5-Trimethylbenzene	ND		ug/kg	100	--
1,2,4-Trimethylbenzene	ND		ug/kg	100	--
Ethyl ether	ND		ug/kg	100	--
Isopropyl Ether	ND		ug/kg	100	--
Tert-Butyl Alcohol	ND		ug/kg	1000	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	100	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	100	--
1,4-Dioxane	ND		ug/kg	4000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 0231841

Lab Number: L1933407

Report Date: 08/07/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-02,08,11,13 Batch: WG1269125-3 WG1269125-4								
Methylene chloride	100		95		70-130	5		30
1,1-Dichloroethane	118		110		70-130	7		30
Chloroform	111		105		70-130	6		30
Carbon tetrachloride	120		112		70-130	7		30
1,2-Dichloropropane	118		111		70-130	6		30
Dibromochloromethane	112		106		70-130	6		30
1,1,2-Trichloroethane	111		105		70-130	6		30
Tetrachloroethene	111		104		70-130	7		30
Chlorobenzene	107		100		70-130	7		30
Trichlorofluoromethane	118		109		70-139	8		30
1,2-Dichloroethane	120		114		70-130	5		30
1,1,1-Trichloroethane	117		108		70-130	8		30
Bromodichloromethane	112		107		70-130	5		30
trans-1,3-Dichloropropene	117		110		70-130	6		30
cis-1,3-Dichloropropene	115		107		70-130	7		30
1,1-Dichloropropene	113		105		70-130	7		30
Bromoform	114		108		70-130	5		30
1,1,2,2-Tetrachloroethane	107		101		70-130	6		30
Benzene	107		100		70-130	7		30
Toluene	110		104		70-130	6		30
Ethylbenzene	114		106		70-130	7		30
Chloromethane	114		105		52-130	8		30
Bromomethane	84		80		57-147	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 0231841

Lab Number: L1933407

Report Date: 08/07/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-02,08,11,13 Batch: WG1269125-3 WG1269125-4								
Vinyl chloride	100		92		67-130	8		30
Chloroethane	92		86		50-151	7		30
1,1-Dichloroethene	107		99		65-135	8		30
trans-1,2-Dichloroethene	107		102		70-130	5		30
Trichloroethene	107		99		70-130	8		30
1,2-Dichlorobenzene	108		102		70-130	6		30
1,3-Dichlorobenzene	112		105		70-130	6		30
1,4-Dichlorobenzene	108		103		70-130	5		30
Methyl tert butyl ether	106		99		66-130	7		30
p/m-Xylene	115		107		70-130	7		30
o-Xylene	110		103		70-130	7		30
cis-1,2-Dichloroethene	107		101		70-130	6		30
Dibromomethane	108		102		70-130	6		30
1,2,3-Trichloropropane	112		106		68-130	6		30
Styrene	116		108		70-130	7		30
Dichlorodifluoromethane	84		75		30-146	11		30
Acetone	109		98		54-140	11		30
Carbon disulfide	93		85		59-130	9		30
2-Butanone	112		104		70-130	7		30
4-Methyl-2-pentanone	128		116		70-130	10		30
2-Hexanone	121		110		70-130	10		30
Bromochloromethane	106		99		70-130	7		30
Tetrahydrofuran	122		113		66-130	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 0231841

Lab Number: L1933407

Report Date: 08/07/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-02,08,11,13 Batch: WG1269125-3 WG1269125-4								
2,2-Dichloropropane	118		109		70-130	8		30
1,2-Dibromoethane	109		103		70-130	6		30
1,1,1,2-Tetrachloroethane	111		105		70-130	6		30
Bromobenzene	106		102		70-130	4		30
n-Butylbenzene	118		108		70-130	9		30
sec-Butylbenzene	114		106		70-130	7		30
tert-Butylbenzene	114		107		70-130	6		30
1,3,5-Trichlorobenzene	109		102		70-139	7		30
o-Chlorotoluene	114		106		70-130	7		30
p-Chlorotoluene	113		109		70-130	4		30
1,2-Dibromo-3-chloropropane	111		109		68-130	2		30
Hexachlorobutadiene	113		102		67-130	10		30
Isopropylbenzene	113		107		70-130	5		30
p-Isopropyltoluene	118		110		70-130	7		30
Naphthalene	115		107		70-130	7		30
n-Propylbenzene	112		105		70-130	6		30
1,2,3-Trichlorobenzene	114		107		70-130	6		30
1,2,4-Trichlorobenzene	114		106		70-130	7		30
1,3,5-Trimethylbenzene	116		110		70-130	5		30
1,2,4-Trimethylbenzene	116		110		70-130	5		30
Ethyl ether	100		92		67-130	8		30
Isopropyl Ether	126		120		66-130	5		30
Tert-Butyl Alcohol	124		115		70-130	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 0231841

Lab Number: L1933407

Report Date: 08/07/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-02,08,11,13 Batch: WG1269125-3 WG1269125-4								
Ethyl-Tert-Butyl-Ether	123		117		70-130	5		30
Tertiary-Amyl Methyl Ether	111		106		70-130	5		30
1,4-Dioxane	101		100		65-136	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	114		111		70-130
Toluene-d8	102		102		70-130
4-Bromofluorobenzene	101		101		70-130
Dibromofluoromethane	101		100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 0231841

Lab Number: L1933407

Report Date: 08/07/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-10,12,14 Batch: WG1269193-3 WG1269193-4								
Methylene chloride	100		95		70-130	5		30
1,1-Dichloroethane	118		110		70-130	7		30
Chloroform	111		105		70-130	6		30
Carbon tetrachloride	120		112		70-130	7		30
1,2-Dichloropropane	118		111		70-130	6		30
Dibromochloromethane	112		106		70-130	6		30
1,1,2-Trichloroethane	111		105		70-130	6		30
Tetrachloroethene	111		104		70-130	7		30
Chlorobenzene	107		100		70-130	7		30
Trichlorofluoromethane	118		109		70-139	8		30
1,2-Dichloroethane	120		114		70-130	5		30
1,1,1-Trichloroethane	117		108		70-130	8		30
Bromodichloromethane	112		107		70-130	5		30
trans-1,3-Dichloropropene	117		110		70-130	6		30
cis-1,3-Dichloropropene	115		107		70-130	7		30
1,1-Dichloropropene	113		105		70-130	7		30
Bromoform	114		108		70-130	5		30
1,1,2,2-Tetrachloroethane	107		101		70-130	6		30
Benzene	107		100		70-130	7		30
Toluene	110		104		70-130	6		30
Ethylbenzene	114		106		70-130	7		30
Chloromethane	114		105		52-130	8		30
Bromomethane	84		80		57-147	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1933407
Report Date: 08/07/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-10,12,14 Batch: WG1269193-3 WG1269193-4								
Vinyl chloride	100		92		67-130	8		30
Chloroethane	92		86		50-151	7		30
1,1-Dichloroethene	107		99		65-135	8		30
trans-1,2-Dichloroethene	107		102		70-130	5		30
Trichloroethene	107		99		70-130	8		30
1,2-Dichlorobenzene	108		102		70-130	6		30
1,3-Dichlorobenzene	112		105		70-130	6		30
1,4-Dichlorobenzene	108		103		70-130	5		30
Methyl tert butyl ether	106		99		66-130	7		30
p/m-Xylene	115		107		70-130	7		30
o-Xylene	110		103		70-130	7		30
cis-1,2-Dichloroethene	107		101		70-130	6		30
Dibromomethane	108		102		70-130	6		30
1,2,3-Trichloropropane	112		106		68-130	6		30
Styrene	116		108		70-130	7		30
Dichlorodifluoromethane	84		75		30-146	11		30
Acetone	109		98		54-140	11		30
Carbon disulfide	93		85		59-130	9		30
2-Butanone	112		104		70-130	7		30
4-Methyl-2-pentanone	128		116		70-130	10		30
2-Hexanone	121		110		70-130	10		30
Bromochloromethane	106		99		70-130	7		30
Tetrahydrofuran	122		113		66-130	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 0231841

Lab Number: L1933407

Report Date: 08/07/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-10,12,14 Batch: WG1269193-3 WG1269193-4								
2,2-Dichloropropane	118		109		70-130	8		30
1,2-Dibromoethane	109		103		70-130	6		30
1,1,1,2-Tetrachloroethane	111		105		70-130	6		30
Bromobenzene	106		102		70-130	4		30
n-Butylbenzene	118		108		70-130	9		30
sec-Butylbenzene	114		106		70-130	7		30
tert-Butylbenzene	114		107		70-130	6		30
1,3,5-Trichlorobenzene	109		102		70-139	7		30
o-Chlorotoluene	114		106		70-130	7		30
p-Chlorotoluene	113		109		70-130	4		30
1,2-Dibromo-3-chloropropane	111		109		68-130	2		30
Hexachlorobutadiene	113		102		67-130	10		30
Isopropylbenzene	113		107		70-130	5		30
p-Isopropyltoluene	118		110		70-130	7		30
Naphthalene	115		107		70-130	7		30
n-Propylbenzene	112		105		70-130	6		30
1,2,3-Trichlorobenzene	114		107		70-130	6		30
1,2,4-Trichlorobenzene	114		106		70-130	7		30
1,3,5-Trimethylbenzene	116		110		70-130	5		30
1,2,4-Trimethylbenzene	116		110		70-130	5		30
Ethyl ether	100		92		67-130	8		30
Isopropyl Ether	126		120		66-130	5		30
Tert-Butyl Alcohol	124		115		70-130	8		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1933407
Report Date: 08/07/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-10,12,14 Batch: WG1269193-3 WG1269193-4								
Ethyl-Tert-Butyl-Ether	123		117		70-130	5		30
Tertiary-Amyl Methyl Ether	111		106		70-130	5		30
1,4-Dioxane	101		100		65-136	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	114		111		70-130
Toluene-d8	102		102		70-130
4-Bromofluorobenzene	101		101		70-130
Dibromofluoromethane	101		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1933407
Report Date: 08/07/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 14 Batch: WG1269541-3 WG1269541-4								
Methylene chloride	98		87		70-130	12		30
1,1-Dichloroethane	115		102		70-130	12		30
Chloroform	110		99		70-130	11		30
Carbon tetrachloride	120		108		70-130	11		30
1,2-Dichloropropane	112		102		70-130	9		30
Dibromochloromethane	108		102		70-130	6		30
1,1,2-Trichloroethane	106		98		70-130	8		30
Tetrachloroethene	111		97		70-130	13		30
Chlorobenzene	105		93		70-130	12		30
Trichlorofluoromethane	119		105		70-139	13		30
1,2-Dichloroethane	116		109		70-130	6		30
1,1,1-Trichloroethane	115		103		70-130	11		30
Bromodichloromethane	109		99		70-130	10		30
trans-1,3-Dichloropropene	110		105		70-130	5		30
cis-1,3-Dichloropropene	110		101		70-130	9		30
1,1-Dichloropropene	112		98		70-130	13		30
Bromoform	112		103		70-130	8		30
1,1,2,2-Tetrachloroethane	103		97		70-130	6		30
Benzene	105		92		70-130	13		30
Toluene	108		95		70-130	13		30
Ethylbenzene	110		97		70-130	13		30
Chloromethane	114		97		52-130	16		30
Bromomethane	95		78		57-147	20		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1933407
Report Date: 08/07/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 14 Batch: WG1269541-3 WG1269541-4								
Vinyl chloride	102		85		67-130	18		30
Chloroethane	92		80		50-151	14		30
1,1-Dichloroethene	106		92		65-135	14		30
trans-1,2-Dichloroethene	106		93		70-130	13		30
Trichloroethene	104		93		70-130	11		30
1,2-Dichlorobenzene	105		96		70-130	9		30
1,3-Dichlorobenzene	108		97		70-130	11		30
1,4-Dichlorobenzene	105		96		70-130	9		30
Methyl tert butyl ether	103		95		66-130	8		30
p/m-Xylene	111		99		70-130	11		30
o-Xylene	108		94		70-130	14		30
cis-1,2-Dichloroethene	105		93		70-130	12		30
Dibromomethane	104		98		70-130	6		30
1,2,3-Trichloropropane	109		100		68-130	9		30
Styrene	113		99		70-130	13		30
Dichlorodifluoromethane	82		71		30-146	14		30
Acetone	108		97		54-140	11		30
Carbon disulfide	92		78		59-130	16		30
2-Butanone	121		118		70-130	3		30
4-Methyl-2-pentanone	119		106		70-130	12		30
2-Hexanone	114		108		70-130	5		30
Bromochloromethane	105		93		70-130	12		30
Tetrahydrofuran	117		110		66-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 0231841

Lab Number: L1933407

Report Date: 08/07/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 14 Batch: WG1269541-3 WG1269541-4								
2,2-Dichloropropane	117		102		70-130	14		30
1,2-Dibromoethane	105		98		70-130	7		30
1,1,1,2-Tetrachloroethane	107		98		70-130	9		30
Bromobenzene	105		93		70-130	12		30
n-Butylbenzene	114		100		70-130	13		30
sec-Butylbenzene	112		98		70-130	13		30
tert-Butylbenzene	111		99		70-130	11		30
1,3,5-Trichlorobenzene	106		96		70-139	10		30
o-Chlorotoluene	111		99		70-130	11		30
p-Chlorotoluene	111		99		70-130	11		30
1,2-Dibromo-3-chloropropane	110		107		68-130	3		30
Hexachlorobutadiene	111		99		67-130	11		30
Isopropylbenzene	112		99		70-130	12		30
p-Isopropyltoluene	115		101		70-130	13		30
Naphthalene	112		106		70-130	6		30
n-Propylbenzene	110		96		70-130	14		30
1,2,3-Trichlorobenzene	112		104		70-130	7		30
1,2,4-Trichlorobenzene	112		102		70-130	9		30
1,3,5-Trimethylbenzene	112		99		70-130	12		30
1,2,4-Trimethylbenzene	114		102		70-130	11		30
Ethyl ether	96		88		67-130	9		30
Isopropyl Ether	120		110		66-130	9		30
Tert-Butyl Alcohol	124		117		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1933407
Report Date: 08/07/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 14 Batch: WG1269541-3 WG1269541-4								
Ethyl-Tert-Butyl-Ether	118		111		70-130	6		30
Tertiary-Amyl Methyl Ether	108		101		70-130	7		30
1,4-Dioxane	106		97		65-136	9		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	113		114		70-130
Toluene-d8	101		102		70-130
4-Bromofluorobenzene	100		100		70-130
Dibromofluoromethane	101		100		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1933407
Report Date: 08/07/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-10,12,14 QC Batch ID: WG1269193-6 WG1269193-7 QC Sample: L1933407-03 Client ID: SB19-65 (20-21.5)												
Methylene chloride	ND	69.8	75	107		73	85		70-130	2		30
1,1-Dichloroethane	ND	69.8	95	**135**	Q	92	107		70-130	3		30
Chloroform	ND	69.8	86	123		83	96		70-130	4		30
Carbon tetrachloride	ND	69.8	100	**146**	Q	99	115		70-130	3		30
1,2-Dichloropropane	ND	69.8	89	128		85	99		70-130	5		30
Dibromochloromethane	ND	69.8	82	117		77	90		70-130	6		30
1,1,2-Trichloroethane	ND	69.8	78	111		75	87		70-130	3		30
Tetrachloroethene	ND	69.8	76	109		67	77		70-130	13		30
Chlorobenzene	ND	69.8	71	101		58	**67**	Q	70-130	20		30
Trichlorofluoromethane	ND	69.8	110	**150**	Q	110	126		70-139	3		30
1,2-Dichloroethane	ND	69.8	91	**131**	Q	89	103		70-130	3		30
1,1,1-Trichloroethane	ND	69.8	96	**138**	Q	95	110		70-130	2		30
Bromodichloromethane	ND	69.8	87	124		82	95		70-130	5		30
trans-1,3-Dichloropropene	ND	69.8	84	120		78	91		70-130	7		30
cis-1,3-Dichloropropene	ND	69.8	85	122		78	91		70-130	8		30
1,1-Dichloropropene	ND	69.8	93	**133**	Q	89	103		70-130	5		30
Bromoform	ND	69.8	81	116		78	91		70-130	4		30
1,1,2,2-Tetrachloroethane	ND	69.8	72	104		72	84		70-130	0		30
Benzene	ND	69.8	82	118		77	89		70-130	6		30
Toluene	ND	69.8	78	112		69	80		70-130	13		30
Ethylbenzene	ND	69.8	75	107		60	70		70-130	22		30
Chloromethane	ND	69.8	96	**137**	Q	95	111		52-130	0		30
Bromomethane	ND	69.8	67	96		68	79		57-147	1		30

Matrix Spike Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1933407
Report Date: 08/07/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-10,12,14 QC Batch ID: WG1269193-6 WG1269193-7 QC Sample: L1933407-03 Client ID: SB19-65 (20-21.5)												
Vinyl chloride	ND	69.8	88	126		90	104		67-130	2		30
Chloroethane	ND	69.8	77	110		77	89		50-151	1		30
1,1-Dichloroethene	ND	69.8	92	132		93	108		65-135	1		30
trans-1,2-Dichloroethene	ND	69.8	87	125		84	97		70-130	4		30
Trichloroethene	0.76	69.8	91	129		81	94		70-130	11		30
1,2-Dichlorobenzene	ND	69.8	66	95		47	**55**	Q	70-130	**33**	Q	30
1,3-Dichlorobenzene	ND	69.8	64	92		44	**51**	Q	70-130	**38**	Q	30
1,4-Dichlorobenzene	ND	69.8	62	88		42	**48**	Q	70-130	**39**	Q	30
Methyl tert butyl ether	ND	69.8	82	117		84	98		66-130	3		30
p/m-Xylene	ND	140	150	104		110	**66**	Q	70-130	24		30
o-Xylene	ND	140	140	103		110	**66**	Q	70-130	23		30
cis-1,2-Dichloroethene	ND	69.8	84	120		80	93		70-130	5		30
Dibromomethane	ND	69.8	80	115		78	91		70-130	3		30
1,2,3-Trichloropropane	ND	69.8	75	107		75	87		68-130	0		30
Styrene	ND	140	150	108		120	**67**	Q	70-130	26		30
Dichlorodifluoromethane	ND	69.8	73	105		76	89		30-146	4		30
Acetone	ND	69.8	170	**244**	Q	140	**166**	Q	54-140	17		30
Carbon disulfide	ND	69.8	77	111		75	87		59-130	3		30
2-Butanone	ND	69.8	100	**143**	Q	100	118		70-130	2		30
4-Methyl-2-pentanone	ND	69.8	89	127		96	112		70-130	8		30
2-Hexanone	ND	69.8	91	**131**	Q	97	112		70-130	6		30
Bromochloromethane	ND	69.8	79	113		77	89		70-130	3		30
Tetrahydrofuran	ND	69.8	330E	**476**	Q	240	**277**	Q	66-130	**33**	Q	30

Matrix Spike Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1933407
Report Date: 08/07/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Client ID: SB19-65 (20-21.5)	Associated sample(s): 03-10,12,14					QC Batch ID: WG1269193-6			WG1269193-7	QC Sample: L1933407-03		
2,2-Dichloropropane	ND	69.8	95	**136**	Q	94	109		70-130	1		30
1,2-Dibromoethane	ND	69.8	77	110		75	87		70-130	2		30
1,1,1,2-Tetrachloroethane	ND	69.8	79	113		70	81		70-130	12		30
Bromobenzene	ND	69.8	68	98		53	**62**	Q	70-130	24		30
n-Butylbenzene	ND	69.8	61	87		39	**45**	Q	70-130	**45**	Q	30
sec-Butylbenzene	ND	69.8	66	95		47	**54**	Q	70-130	**34**	Q	30
tert-Butylbenzene	ND	69.8	70	101		52	**60**	Q	70-130	30		30
1,3,5-Trichlorobenzene	ND	69.8	59	84		37	**43**	Q	70-130	**45**	Q	30
o-Chlorotoluene	ND	69.8	68	97		48	**56**	Q	70-130	**33**	Q	30
p-Chlorotoluene	ND	69.8	67	96		46	**53**	Q	70-130	**38**	Q	30
1,2-Dibromo-3-chloropropane	ND	69.8	79	113		81	94		68-130	2		30
Hexachlorobutadiene	ND	69.8	58	84		36	**42**	Q	67-130	**47**	Q	30
Isopropylbenzene	ND	69.8	72	103		56	**64**	Q	70-130	26		30
p-Isopropyltoluene	ND	69.8	65	94		44	**51**	Q	70-130	**39**	Q	30
Naphthalene	ND	69.8	77	110		64	75		70-130	17		30
n-Propylbenzene	ND	69.8	66	94		47	**54**	Q	70-130	**34**	Q	30
1,2,3-Trichlorobenzene	ND	69.8	68	98		48	**55**	Q	70-130	**36**	Q	30
1,2,4-Trichlorobenzene	ND	69.8	66	94		43	**50**	Q	70-130	**43**	Q	30
1,3,5-Trimethylbenzene	ND	69.8	68	98		49	**57**	Q	70-130	**33**	Q	30
1,2,4-Trimethylbenzene	ND	69.8	69	98		47	**55**	Q	70-130	**37**	Q	30
Ethyl ether	ND	69.8	76	110		77	90		67-130	1		30
Isopropyl Ether	ND	69.8	100	**145**	Q	98	114		66-130	3		30
Tert-Butyl Alcohol	ND	349	580	**166**	Q	700	**162**	Q	70-130	18		30

Matrix Spike Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 0231841

Lab Number: L1933407

Report Date: 08/07/19

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Volatile Organics by EPA 5035 Low - Westborough Lab Client ID: SB19-65 (20-21.5)	Associated sample(s): 03-10,12,14					QC Batch ID: WG1269193-6			WG1269193-7		QC Sample: L1933407-03	
Ethyl-Tert-Butyl-Ether	ND	69.8	98	**141**	Q	97	113		70-130	1		30
Tertiary-Amyl Methyl Ether	ND	69.8	87	125		88	102		70-130	0		30
1,4-Dioxane	ND	3490	4000	115		4700	110		65-136	16		30

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
1,2-Dichloroethane-d4	117		120		70-130
4-Bromofluorobenzene	100		101		70-130
Dibromofluoromethane	103		102		70-130
Toluene-d8	101		100		70-130

INORGANICS
&
MISCELLANEOUS

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1933407
Report Date: 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-01
Client ID: SB19-64 (10-12.5)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/25/19 09:10
Date Received: 07/26/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon	0.020		%	0.010	--	1	-	08/07/19 10:16	1,9060A	SP
Grain Size Analysis - Mansfield Lab										
Cobbles	ND		%	0.100	NA	1	-	08/02/19 15:27	12,D6913/D7928	SM
% Coarse Gravel	ND		%	0.100	NA	1	-	08/02/19 15:27	12,D6913/D7928	SM
% Fine Gravel	ND		%	0.100	NA	1	-	08/02/19 15:27	12,D6913/D7928	SM
% Total Gravel	ND		%	0.100	NA	1	-	08/02/19 15:27	12,D6913/D7928	SM
% Coarse Sand	ND		%	0.100	NA	1	-	08/02/19 15:27	12,D6913/D7928	SM
% Medium Sand	0.400		%	0.100	NA	1	-	08/02/19 15:27	12,D6913/D7928	SM
% Fine Sand	21.9		%	0.100	NA	1	-	08/02/19 15:27	12,D6913/D7928	SM
% Total Sand	22.3		%	0.100	NA	1	-	08/02/19 15:27	12,D6913/D7928	SM
% Total Fines	77.7		%	0.100	NA	1	-	08/02/19 15:27	12,D6913/D7928	SM
General Chemistry - Westborough Lab										
Solids, Total	78.2		%	0.100	NA	1	-	07/27/19 12:45	121,2540G	RI

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1933407
Report Date: 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-02
Client ID: SB19-64 (10-12.5) DUP
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/25/19 09:10
Date Received: 07/26/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.0		%	0.100	NA	1	-	07/27/19 12:45	121,2540G	RI

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1933407
Report Date: 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-03
Client ID: SB19-65 (20-21.5)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/25/19 10:30
Date Received: 07/26/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.2		%	0.100	NA	1	-	07/27/19 12:45	121,2540G	RI

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1933407
Report Date: 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-04
Client ID: SB19-66 (0-2)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/25/19 13:00
Date Received: 07/26/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	74.2		%	0.100	NA	1	-	07/27/19 12:45	121,2540G	RI

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1933407
Report Date: 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-05
Client ID: SB19-66 (27-29)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/25/19 13:30
Date Received: 07/26/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.8		%	0.100	NA	1	-	07/27/19 12:45	121,2540G	RI

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1933407
Report Date: 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-06
Client ID: SB19-67 (15-17.5)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/25/19 15:30
Date Received: 07/26/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.6		%	0.100	NA	1	-	07/27/19 12:45	121,2540G	RI

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1933407
Report Date: 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-07
Client ID: SB19-67 (32-34)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/25/19 15:45
Date Received: 07/26/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.3		%	0.100	NA	1	-	07/27/19 12:45	121,2540G	RI

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1933407
Report Date: 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-09
Client ID: SB19-68R (11.5-13)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/26/19 10:15
Date Received: 07/26/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.6		%	0.100	NA	1	-	07/27/19 12:45	121,2540G	RI

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1933407
Report Date: 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-10
Client ID: SB19-68R (16.75-17.75)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/26/19 10:20
Date Received: 07/26/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.2		%	0.100	NA	1	-	07/27/19 12:45	121,2540G	RI

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1933407
Report Date: 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-11
Client ID: SB19-69 (16.5-18.5)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/26/19 13:20
Date Received: 07/26/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.0		%	0.100	NA	1	-	07/27/19 12:45	121,2540G	RI

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1933407
Report Date: 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-12
Client ID: SB19-70 (10-12.5)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/26/19 14:50
Date Received: 07/26/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.3		%	0.100	NA	1	-	07/27/19 12:45	121,2540G	RI

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1933407
Report Date: 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-13
Client ID: SB19-70 (16-17)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/26/19 14:55
Date Received: 07/26/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.4		%	0.100	NA	1	-	07/27/19 12:45	121,2540G	RI

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1933407
Report Date: 08/07/19

SAMPLE RESULTS

Lab ID: L1933407-14
Client ID: SB19-70 (16-17) DUP
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/26/19 14:55
Date Received: 07/26/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.1		%	0.100	NA	1	-	07/27/19 12:45	121,2540G	RI

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1933407
Report Date: 08/07/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab for sample(s): 01 Batch: WG1266383-1										
Total Organic Carbon	ND		%	0.010	--	1	-	08/07/19 10:16	1,9060A	SP

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 0231841

Lab Number: L1933407

Report Date: 08/07/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Organic Carbon - Mansfield Lab Associated sample(s): 01 Batch: WG1266383-2								
Total Organic Carbon	91		-		75-125	-		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1933407
Report Date: 08/07/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-07,09-14 QC Batch ID: WG1265373-1 QC Sample: L1933407-03 Client ID: SB19-65 (20-21.5)						
Solids, Total	79.2	78.1	%	1		20
Grain Size Analysis - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1268003-1 QC Sample: L1933407-01 Client ID: SB19-64 (10-12.5)						
Cobbles	ND	ND	%	NC		20
% Coarse Gravel	ND	ND	%	NC		20
% Fine Gravel	ND	ND	%	NC		20
% Total Gravel	ND	ND	%	NC		20
% Coarse Sand	ND	ND	%	NC		20
% Medium Sand	0.400	0.200	%	**67**	Q	20
% Fine Sand	21.9	23.0	%	5		20
% Total Sand	22.3	23.2	%	4		20
% Total Fines	77.7	76.8	%	1		20

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1933407
Report Date: 08/07/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1933407-01A	Vial MeOH preserved	B	NA		4.2	Y	Absent		8260HLW-NH(14)
L1933407-01B	Vial water preserved	B	NA		4.2	Y	Absent	26-JUL-19 22:52	8260HLW-NH(14)
L1933407-01C	Vial water preserved	B	NA		4.2	Y	Absent	26-JUL-19 22:52	8260HLW-NH(14)
L1933407-01D	Plastic 2oz unpreserved for TS	B	NA		4.2	Y	Absent		TS(7)
L1933407-01E	Glass 120ml/4oz unpreserved	B	NA		4.2	Y	Absent		A2-TOC-9060(28)
L1933407-01F	Plastic 8oz unpreserved for Grain Size	B	NA		4.2	Y	Absent		A2-HYDRO-TFINE(),A2-HYDRO-CGRAVEL(),A2-HYDRO-FSAND(),A2-HYDRO-MSAND(),A2-HYDRO-TGRAVEL(),A2-HYDRO-CSAND(),A2-HYDRO-TSAND(),A2-HYDRO-COBBLES(),A2-HYDRO-FGRAVEL()
L1933407-02A	Vial MeOH preserved	B	NA		4.2	Y	Absent		8260HLW-NH(14)
L1933407-02B	Vial water preserved	B	NA		4.2	Y	Absent	26-JUL-19 22:52	8260HLW-NH(14)
L1933407-02C	Vial water preserved	B	NA		4.2	Y	Absent	26-JUL-19 22:52	8260HLW-NH(14)
L1933407-02D	Plastic 2oz unpreserved for TS	B	NA		4.2	Y	Absent		TS(7)
L1933407-03A	Vial MeOH preserved	B	NA		4.2	Y	Absent		8260HLW-NH(14)
L1933407-03A1	Vial MeOH preserved	B	NA		4.2	Y	Absent		8260HLW-NH(14)
L1933407-03A2	Vial MeOH preserved	B	NA		4.2	Y	Absent		8260HLW-NH(14)
L1933407-03B	Vial water preserved	B	NA		4.2	Y	Absent	26-JUL-19 22:52	8260HLW-NH(14)
L1933407-03B1	Vial water preserved	B	NA		4.2	Y	Absent	26-JUL-19 22:52	8260HLW-NH(14)
L1933407-03B2	Vial water preserved	B	NA		4.2	Y	Absent	26-JUL-19 22:52	8260HLW-NH(14)
L1933407-03C	Vial water preserved	B	NA		4.2	Y	Absent	26-JUL-19 22:52	8260HLW-NH(14)
L1933407-03C1	Vial water preserved	B	NA		4.2	Y	Absent	26-JUL-19 22:52	8260HLW-NH(14)
L1933407-03C2	Vial water preserved	B	NA		4.2	Y	Absent	26-JUL-19 22:52	8260HLW-NH(14)
L1933407-03D	Plastic 2oz unpreserved for TS	B	NA		4.2	Y	Absent		TS(7)
L1933407-04A	Vial MeOH preserved	B	NA		4.2	Y	Absent		8260HLW-NH(14)

*Values in parentheses indicate holding time in days

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1933407
Report Date: 08/07/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1933407-04B	Vial water preserved	B	NA		4.2	Y	Absent	26-JUL-19 22:52	8260HLW-NH(14)
L1933407-04C	Vial water preserved	B	NA		4.2	Y	Absent	26-JUL-19 22:52	8260HLW-NH(14)
L1933407-04D	Plastic 2oz unpreserved for TS	B	NA		4.2	Y	Absent		TS(7)
L1933407-05A	Vial MeOH preserved	B	NA		4.2	Y	Absent		8260HLW-NH(14)
L1933407-05B	Vial water preserved	B	NA		4.2	Y	Absent	26-JUL-19 22:52	8260HLW-NH(14)
L1933407-05C	Vial water preserved	B	NA		4.2	Y	Absent	26-JUL-19 22:52	8260HLW-NH(14)
L1933407-05D	Plastic 2oz unpreserved for TS	B	NA		4.2	Y	Absent		TS(7)
L1933407-06A	Vial MeOH preserved	B	NA		4.2	Y	Absent		8260HLW-NH(14)
L1933407-06B	Vial water preserved	B	NA		4.2	Y	Absent	26-JUL-19 22:52	8260HLW-NH(14)
L1933407-06C	Vial water preserved	B	NA		4.2	Y	Absent	26-JUL-19 22:52	8260HLW-NH(14)
L1933407-06D	Plastic 2oz unpreserved for TS	B	NA		4.2	Y	Absent		TS(7)
L1933407-07A	Vial MeOH preserved	B	NA		4.2	Y	Absent		8260HLW-NH(14)
L1933407-07B	Vial water preserved	B	NA		4.2	Y	Absent	26-JUL-19 22:52	8260HLW-NH(14)
L1933407-07C	Vial water preserved	B	NA		4.2	Y	Absent	26-JUL-19 22:52	8260HLW-NH(14)
L1933407-07D	Plastic 2oz unpreserved for TS	B	NA		4.2	Y	Absent		TS(7)
L1933407-08A	Vial MeOH preserved	B	NA		4.2	Y	Absent		8260H-NH(14),8260HLW-NH(14)
L1933407-08B	Vial water preserved	B	NA		4.2	Y	Absent	**26-JUL-19 22:52**	8260H-NH(14),8260HLW-NH(14)
L1933407-09A	Vial MeOH preserved	B	NA		4.2	Y	Absent		8260HLW-NH(14)
L1933407-09B	Vial water preserved	B	NA		4.2	Y	Absent	26-JUL-19 22:52	8260HLW-NH(14)
L1933407-09C	Vial water preserved	B	NA		4.2	Y	Absent	26-JUL-19 22:52	8260HLW-NH(14)
L1933407-09D	Plastic 2oz unpreserved for TS	B	NA		4.2	Y	Absent		TS(7)
L1933407-10A	Vial MeOH preserved	B	NA		4.2	Y	Absent		8260HLW-NH(14)
L1933407-10B	Vial water preserved	B	NA		4.2	Y	Absent	26-JUL-19 22:52	8260HLW-NH(14)
L1933407-10C	Vial water preserved	B	NA		4.2	Y	Absent	26-JUL-19 22:52	8260HLW-NH(14)
L1933407-10D	Plastic 2oz unpreserved for TS	B	NA		4.2	Y	Absent		TS(7)
L1933407-11A	Vial MeOH preserved	B	NA		4.2	Y	Absent		8260HLW-NH(14)
L1933407-11B	Vial water preserved	B	NA		4.2	Y	Absent	26-JUL-19 22:52	8260HLW-NH(14)
L1933407-11C	Vial water preserved	B	NA		4.2	Y	Absent	26-JUL-19 22:52	8260HLW-NH(14)

*Values in parentheses indicate holding time in days

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1933407
Report Date: 08/07/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1933407-11D	Plastic 2oz unpreserved for TS	B	NA		4.2	Y	Absent		TS(7)
L1933407-12A	Vial MeOH preserved	B	NA		4.2	Y	Absent		8260HLW-NH(14)
L1933407-12B	Vial water preserved	B	NA		4.2	Y	Absent	26-JUL-19 22:52	8260HLW-NH(14)
L1933407-12C	Vial water preserved	B	NA		4.2	Y	Absent	26-JUL-19 22:52	8260HLW-NH(14)
L1933407-12D	Plastic 2oz unpreserved for TS	B	NA		4.2	Y	Absent		TS(7)
L1933407-13A	Vial MeOH preserved	B	NA		4.2	Y	Absent		8260HLW-NH(14)
L1933407-13B	Vial water preserved	B	NA		4.2	Y	Absent	26-JUL-19 22:52	8260HLW-NH(14)
L1933407-13C	Vial water preserved	B	NA		4.2	Y	Absent	26-JUL-19 22:52	8260HLW-NH(14)
L1933407-13D	Plastic 2oz unpreserved for TS	B	NA		4.2	Y	Absent		TS(7)
L1933407-14A	Vial MeOH preserved	B	NA		4.2	Y	Absent		8260H-NH(14),8260HLW-NH(14)
L1933407-14B	Vial water preserved	B	NA		4.2	Y	Absent	26-JUL-19 22:52	8260H-NH(14),8260HLW-NH(14)
L1933407-14C	Vial water preserved	B	NA		4.2	Y	Absent	26-JUL-19 22:52	8260H-NH(14),8260HLW-NH(14)
L1933407-14D	Plastic 2oz unpreserved for TS	B	NA		4.2	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1933407
Project Number:	0231841	**Report Date:**	08/07/19

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: Data Usability Report

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1933407
Project Number:	0231841	**Report Date:**	08/07/19

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: Data Usability Report

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1933407
Project Number:	0231841	**Report Date:**	08/07/19

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

12 Annual Book of ASTM Standards. (American Society for Testing and Materials) ASTM International.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

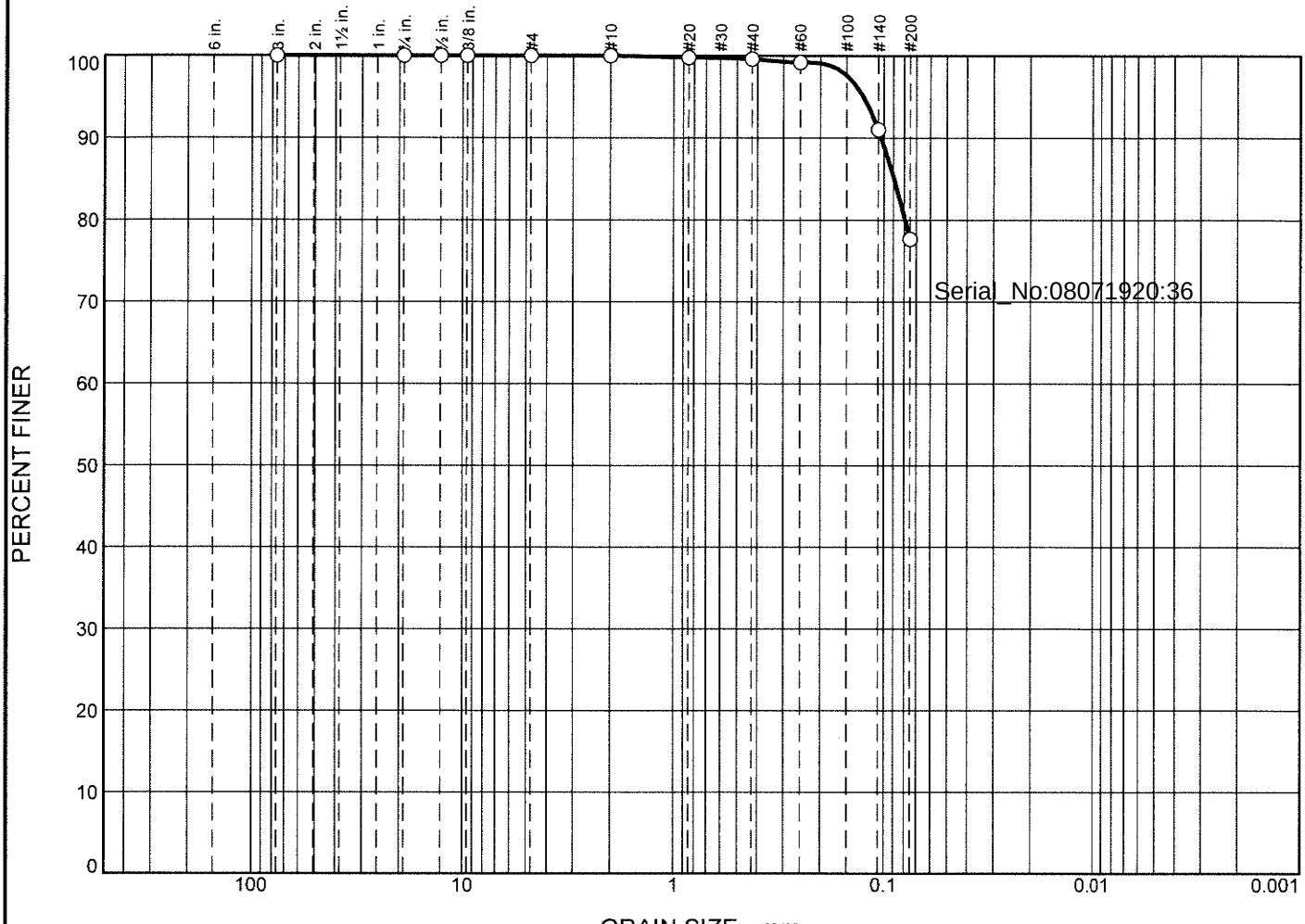
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We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

ASTM D6913/D7928

GRAIN SIZE ANALYSIS

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	0.4	21.9	77.7	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				0.0894							

	Material Description	USCS	AASHTO
○			

Project No. **Client:**

Project:

○ **Source of Sample:** SB19-64 (10-12.5) **Sample Number:** L1933407-01

Date: ○

Alpha Analytical

Mansfield, MA

Remarks:

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

8/7/2019

Location: SB19-64 (10-12.5)

Sample Number: L1933407-01

Sieve Test Data

Post #200 Wash Test Weights (grams): **Dry Sample and Tare =** 78.00
Tare Wt. = 0.00
Minus #200 from wash = 0.0%

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer
78.00	0.00	3"	0.00	0.00	100.0
		0.75"	0.00	0.00	100.0
		0.50"	0.00	0.00	100.0
		0.375"	0.00	0.00	100.0
		#4	0.00	0.00	100.0
		#10	0.00	0.00	100.0
		#20	0.16	0.00	99.8
		#40	0.16	0.00	99.6
		#60	0.30	0.00	99.2
		#140	6.40	0.00	91.0
		#200	10.41	0.00	77.7

Serial_No:08071920:36

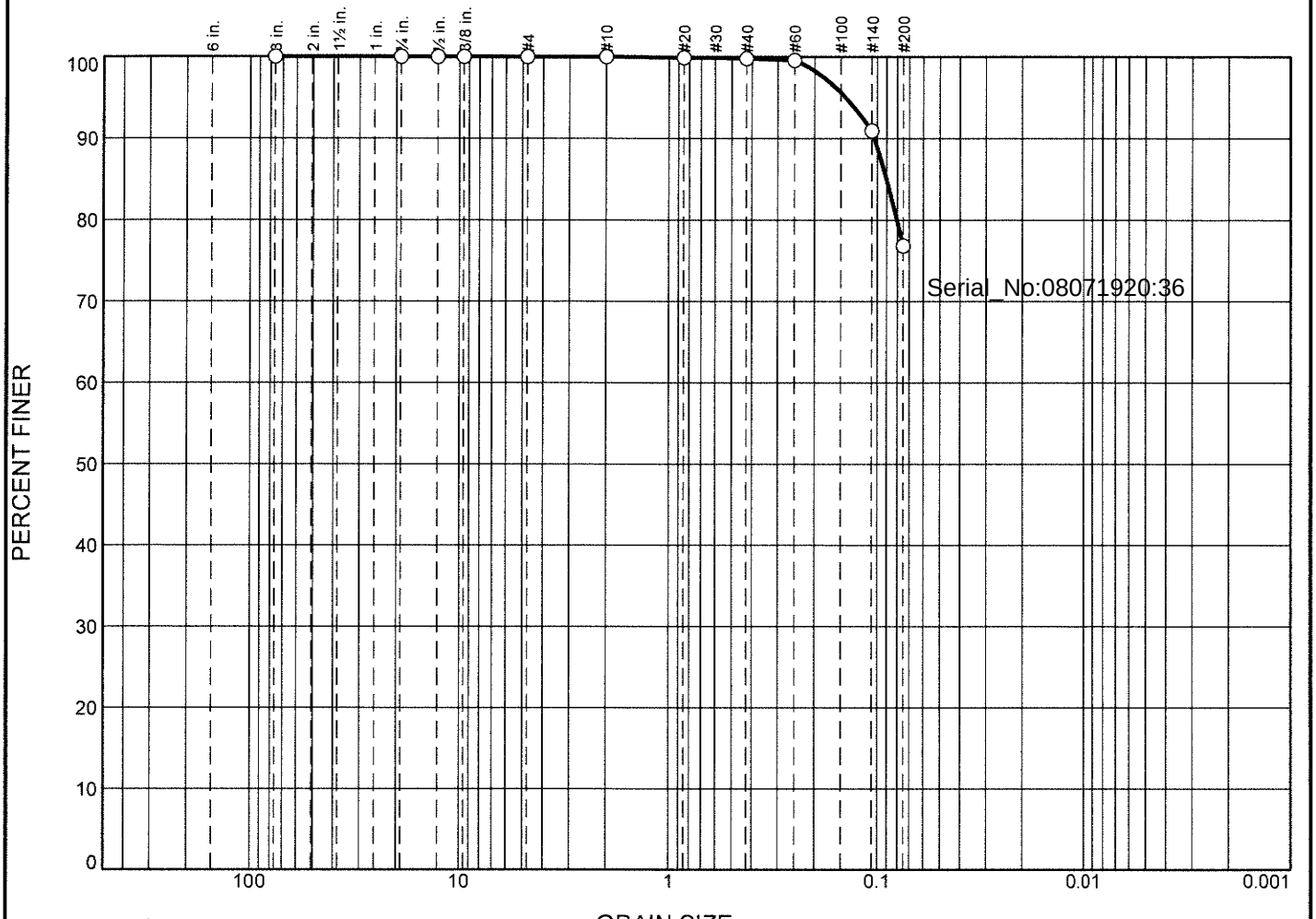
Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	0.0	0.0	0.0	0.4	21.9	22.3			77.7

D_5	D_{10}	D_{15}	D_{20}	D_{30}	D_{40}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
								0.0792	0.0894	0.1027	0.1248

Fineness Modulus
0.03

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	0.2	23.0	76.8	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				0.0903							

Material Description	USCS	AASHTO
○		

Project No. **Client:**

Project:

○ **Source of Sample:** SB19-64 (10-12.5) **Sample Number:** WG1268003-1

Date: ○

Alpha Analytical

Mansfield, MA

Remarks:

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

8/7/2019

Location: SB19-64 (10-12.5)

Sample Number: WG1268003-1

Sieve Test Data

Post #200 Wash Test Weights (grams): **Dry Sample and Tare =** 78.00
Tare Wt. = 0.00
Minus #200 from wash = 0.0%

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer
78.00	0.00	3"	0.00	0.00	100.0
		0.75"	0.00	0.00	100.0
		0.50"	0.00	0.00	100.0
		0.375"	0.00	0.00	100.0
		#4	0.00	0.00	100.0
		#10	0.00	0.00	100.0
		#20	0.08	0.00	99.9
		#40	0.10	0.00	99.8
		#60	0.17	0.00	99.6
		#140	6.73	0.00	90.9
		#200	10.99	0.00	76.8

Serial_No:08071920:36

Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	0.0	0.0	0.0	0.2	23.0	23.2			76.8

D_5	D_{10}	D_{15}	D_{20}	D_{30}	D_{40}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
								0.0805	0.0903	0.1031	0.1419

Fineness Modulus
0.05

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

CHAIN OF CUSTODY

PAGE 1 OF 2

Date Rec'd in Lab: 7/26/19

ALPHA Job #: L1933407

ALPHA Analytical
8 Walkup Drive, Westboro, MA 01581, Tel: 508-898-9220
320 Forbes Blvd, Mansfield, MA 02048, Tel: 508-822-9300

Project Information

Project Name: Salem Former WWTF
Project Location: Salem, NH
Project #: 0231841
Project Manager: Jarrod Yoder
ALPHA Quote #:

Report Information - Data Deliverables

☒ ADEx ☒ EMAIL

Billing Information

☐ Same as Client info PO #:

Client Information

Client: Woodard & Curran
Address: 40 Shattuck Rd.
Andover, MA
Phone: 978-482-7838
Email: Sdney@woodardcurran.com
Kelly@woodardcurran.com

Regulatory Requirements & Project Information Requirements

☐ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods
☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
☐ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)
☐ Yes ☐ No NPDES RGP
☐ Other State /Fed Program _____ Criteria _____

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due:

Additional Project Information:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	VOC: ☐ 8260 ☐ 624 ☐ 524.2	SVOC: ☐ ABN ☐ PAH	METALS: ☐ MCP 13 ☐ MCP 14 ☐ RCP 15	METALS: ☐ RCRA5 ☐ RCRA8 ☐ PP13	EPH: ☐ Ranges & Targets ☐ Ranges Only	VPH: ☐ Ranges & Targets ☐ Ranges Only	☐ PCB ☐ PEST	TPH: ☐ Quant Only ☐ Fingerprint	% Solids	TOC	Grainsize	Sample Comments	TOTAL # BOTTLES
33407-01	SB19-64(10-12.5)	7/25/19	910	Soil	STO	X								X	X	X		6
02	SB19-64(10-12.5) DUP	7/25/19	910	Soil	STO	X								X				4
03	SB19-65(20-21.5)	7/25/19	1030	Soil	STO	X								X			MS/MSD	10
04	SB19-66(0-2)	7/25/19	1300	Soil	STO	X								X				4
05	SB19-66(27-29)	7/25/19	1330	Soil	STO	X								X				4
06	SB19-67(15-17.5)	7/25/19	1530	Soil	STO	X								X				4
07	SB19-67(32-34)	7/25/19	1545	Soil	STO	X								X				4
08	Trip Blank	7/19/19	—	—	PC	X												2

Container Type	V													P	A	P		
Preservative	FW													A	A	A		

Container Type
P= Plastic
A= Amber glass
V= Vial
G= Glass
B= Bacteria cup
C= Cube
O= Other
E= Encore
D= BOD Bottle

Preservative
A= None
B= HCl
C= HNO_3
D= H_2SO_4
E= NaOH
F= MeOH
G= $NaHSO_4$
H= $Na_2S_2O_3$
I= Ascorbic Acid
J= NH_4Cl
K= Zn Acetate
O= Other

Relinquished By:	Date/Time	Received By:	Date/Time
	7/26/19 1645		7/26/19 16:45
	7/26/19 18:40		7/26/19 18:40

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)

CHAIN OF CUSTODY

PAGE 2 OF 2

Date Rec'd in Lab: 7/26/19

ALPHA Job #: L1933407

ALPHA ANALYTICAL
8 Walkup Drive, Westboro, MA 01581, Tel: 508-898-9220
320 Forbes Blvd, Mansfield, MA 02048, Tel: 508-822-9300

Client Information

Client: Woodard & Curran
Address: 40 Shattuck Rd.
Andover, MA
Phone: 978-482-7838
Email: sdney@woodardcurran.com
kevch@woodardcurran.com

Project Information

Project Name: Salem Former WWTF
Project Location: Salem, NH
Project #: 023184/
Project Manager: Jarrod Yoder
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due:

Additional Project Information:

Report Information - Data Deliverables

☒ FAX ☒ EMAIL

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements & Project Information Requirements

☐ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods
☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
☐ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)
☐ Yes ☐ No NPDES RGP
☐ Other State /Fed Program _____ Criteria _____

ANALYSIS: VOC: ☒ 8260 ☐ 624 ☐ 524.2 | SVOC: ☐ ABN ☐ PAH | METALS: ☐ MCP 13 ☐ MCP 14 ☐ RCP 15 | METALS: ☐ RCRA5 ☐ RCRA8 ☐ PP13 | EPH: ☐ Ranges & Targets ☐ Ranges Only | VPH: ☐ Ranges & Targets ☐ Ranges Only | ☐ PCB ☐ PEST | TPH: ☐ Quant Only ☐ Fingerprint | % Solids

SAMPLE INFO
Filtration ☐ Field ☐ Lab to do
Preservation ☐ Lab to do

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	VOC	% Solids	Sample Comments	TOTAL # BOTTLES
33407-09	SB19-68R(11.5-13)	7/26/19	1015	Soil	STO	X	X		4
10	SB19-68R(16.75-17.75)	7/26/19	1020	Soil	STO	X	X		4
11	SB19-69(16.5-18.5)	7/26/19	1320	Soil	STO	X	X		4
12	SB19-70(10-12.5)	7/26/19	1450	Soil	STO	X	X		4
13	SB19-70(16-17)	7/26/19	1455	Soil	STO	X	X		4
14	SB19-70(16-17) DUP	7/26/19	1455	Soil	STO	X	X		4

Container Type	V																						
Preservative	HCl																						

Container Type: P= Plastic, A= Amber glass, V= Vial, G= Glass, B= Bacteria cup, C= Cube, O= Other, E= Encore, D= BOD Bottle

Preservative: A= None, B= HCl, C= HNO_3, D= H_2SO_4, E= NaOH, F= MeOH, G= $NaHSO_4$, H= $Na_2S_2O_3$, I= Ascorbic Acid, J= NH_4Cl, K= Zn Acetate, O= Other

Relinquished By:	Date/Time	Received By:	Date/Time
	7/26/19 1645		7/26/19 1645
	AAL 7/26/19 1814		7/26/19 1840

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)

ANALYTICAL REPORT

Lab Number:	L1933911
Client:	Woodard & Curran 40 Shattuck Road Suite 110 Andover, MA 01810
ATTN:	Jeff Hamel
Phone:	(978) 557-8150
Project Name:	SALEM FORMER WWTF
Project Number:	0231841
Report Date:	08/13/19

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1933911
Report Date: 08/13/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1933911-01	SB19-71 (17-19)	SOIL	SALEM, NH	07/29/19 08:55	07/30/19
L1933911-02	SB19-72 (12.25-14.5)	SOIL	SALEM, NH	07/29/19 10:15	07/30/19
L1933911-03	SB19-73 (25-27)	SOIL	SALEM, NH	07/29/19 13:00	07/30/19
L1933911-04	SB19-73 (5-7.25)	SOIL	SALEM, NH	07/29/19 13:10	07/30/19
L1933911-05	SB19-74 (12.25-14.5)	SOIL	SALEM, NH	07/29/19 15:10	07/30/19
L1933911-06	TRIP BLANK	SOIL	SALEM, NH	07/08/19 09:47	07/30/19

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1933911
Project Number:	0231841	**Report Date:**	08/13/19

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1933911
Project Number:	0231841	**Report Date:**	08/13/19

Case Narrative (continued)

Report Submission

August 13, 2019: This final report includes the results of all requested analyses.

August 06, 2019: This is a preliminary report.

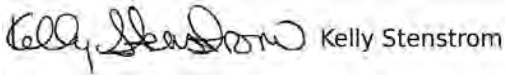
Total Organic Carbon

WG1266383: The required batch QC was prepared; however, the native sample required a different reporting method; therefore, the associated QC results could not be reported.

Grain Size Analysis

The WG1267942-1 Laboratory Duplicate RPDs for % coarse sand (22%), % medium sand (35%), and % fine sand (23%), performed on L1933911-03, are outside the acceptance criteria. The elevated RPDs have been attributed to the non-homogeneous nature of the native sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Kelly Stenstrom

Title: Technical Director/Representative Date: 08/13/19

ORGANICS

VOLATILES

Project Name: SALEM FORMER WWTF **Lab Number:** L1933911

Project Number: 0231841 **Report Date:** 08/13/19

SAMPLE RESULTS

Lab ID: L1933911-01 Date Collected: 07/29/19 08:55
Client ID: SB19-71 (17-19) Date Received: 07/30/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/05/19 15:09
Analyst: MV
Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	290	--	1
1,1-Dichloroethane	200		ug/kg	58	--	1
Chloroform	ND		ug/kg	87	--	1
Carbon tetrachloride	ND		ug/kg	58	--	1
1,2-Dichloropropane	ND		ug/kg	58	--	1
Dibromochloromethane	ND		ug/kg	58	--	1
1,1,2-Trichloroethane	ND		ug/kg	58	--	1
Tetrachloroethene	ND		ug/kg	29	--	1
Chlorobenzene	ND		ug/kg	29	--	1
Trichlorofluoromethane	ND		ug/kg	230	--	1
1,2-Dichloroethane	ND		ug/kg	58	--	1
1,1,1-Trichloroethane	280		ug/kg	29	--	1
Bromodichloromethane	ND		ug/kg	29	--	1
trans-1,3-Dichloropropene	ND		ug/kg	58	--	1
cis-1,3-Dichloropropene	ND		ug/kg	29	--	1
1,3-Dichloropropene, Total	ND		ug/kg	29	--	1
1,1-Dichloropropene	ND		ug/kg	29	--	1
Bromoform	ND		ug/kg	230	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	29	--	1
Benzene	ND		ug/kg	29	--	1
Toluene	250		ug/kg	58	--	1
Ethylbenzene	ND		ug/kg	58	--	1
Chloromethane	ND		ug/kg	230	--	1
Bromomethane	ND		ug/kg	120	--	1
Vinyl chloride	ND		ug/kg	58	--	1
Chloroethane	ND		ug/kg	120	--	1
1,1-Dichloroethene	ND		ug/kg	58	--	1
trans-1,2-Dichloroethene	ND		ug/kg	87	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933911

Project Number: 0231841 **Report Date:** 08/13/19

SAMPLE RESULTS

Lab ID: L1933911-01 Date Collected: 07/29/19 08:55

Client ID: SB19-71 (17-19) Date Received: 07/30/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	29	--	1
1,2-Dichlorobenzene	ND		ug/kg	120	--	1
1,3-Dichlorobenzene	ND		ug/kg	120	--	1
1,4-Dichlorobenzene	ND		ug/kg	120	--	1
Methyl tert butyl ether	ND		ug/kg	120	--	1
p/m-Xylene	170		ug/kg	120	--	1
o-Xylene	ND		ug/kg	58	--	1
Xylenes, Total	170		ug/kg	58	--	1
cis-1,2-Dichloroethene	14000		ug/kg	58	--	1
1,2-Dichloroethene, Total	14000		ug/kg	58	--	1
Dibromomethane	ND		ug/kg	120	--	1
1,2,3-Trichloropropane	ND		ug/kg	120	--	1
Styrene	ND		ug/kg	58	--	1
Dichlorodifluoromethane	ND		ug/kg	580	--	1
Acetone	ND		ug/kg	580	--	1
Carbon disulfide	ND		ug/kg	580	--	1
2-Butanone	ND		ug/kg	580	--	1
4-Methyl-2-pentanone	ND		ug/kg	580	--	1
2-Hexanone	ND		ug/kg	580	--	1
Bromochloromethane	ND		ug/kg	120	--	1
Tetrahydrofuran	ND		ug/kg	230	--	1
2,2-Dichloropropane	ND		ug/kg	120	--	1
1,2-Dibromoethane	ND		ug/kg	58	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	29	--	1
Bromobenzene	ND		ug/kg	120	--	1
n-Butylbenzene	ND		ug/kg	58	--	1
sec-Butylbenzene	ND		ug/kg	58	--	1
tert-Butylbenzene	ND		ug/kg	120	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	120	--	1
o-Chlorotoluene	ND		ug/kg	120	--	1
p-Chlorotoluene	ND		ug/kg	120	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	170	--	1
Hexachlorobutadiene	ND		ug/kg	230	--	1
Isopropylbenzene	ND		ug/kg	58	--	1
p-Isopropyltoluene	ND		ug/kg	58	--	1
Naphthalene	ND		ug/kg	230	--	1
n-Propylbenzene	ND		ug/kg	58	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933911

Project Number: 0231841 **Report Date:** 08/13/19

SAMPLE RESULTS

Lab ID: L1933911-01 Date Collected: 07/29/19 08:55

Client ID: SB19-71 (17-19) Date Received: 07/30/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	120	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	120	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	120	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	120	--	1
Ethyl ether	ND		ug/kg	120	--	1
Isopropyl Ether	ND		ug/kg	120	--	1
Tert-Butyl Alcohol	ND		ug/kg	1200	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	120	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	120	--	1
1,4-Dioxane	ND		ug/kg	4600	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	90		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1933911

Project Number: 0231841 **Report Date:** 08/13/19

SAMPLE RESULTS

Lab ID: L1933911-02 Date Collected: 07/29/19 10:15
Client ID: SB19-72 (12.25-14.5) Date Received: 07/30/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/05/19 08:42
Analyst: MV
Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	260	--	1
1,1-Dichloroethane	ND		ug/kg	52	--	1
Chloroform	ND		ug/kg	78	--	1
Carbon tetrachloride	ND		ug/kg	52	--	1
1,2-Dichloropropane	ND		ug/kg	52	--	1
Dibromochloromethane	ND		ug/kg	52	--	1
1,1,2-Trichloroethane	ND		ug/kg	52	--	1
Tetrachloroethene	ND		ug/kg	26	--	1
Chlorobenzene	ND		ug/kg	26	--	1
Trichlorofluoromethane	ND		ug/kg	210	--	1
1,2-Dichloroethane	ND		ug/kg	52	--	1
1,1,1-Trichloroethane	180		ug/kg	26	--	1
Bromodichloromethane	ND		ug/kg	26	--	1
trans-1,3-Dichloropropene	ND		ug/kg	52	--	1
cis-1,3-Dichloropropene	ND		ug/kg	26	--	1
1,3-Dichloropropene, Total	ND		ug/kg	26	--	1
1,1-Dichloropropene	ND		ug/kg	26	--	1
Bromoform	ND		ug/kg	210	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	26	--	1
Benzene	ND		ug/kg	26	--	1
Toluene	53		ug/kg	52	--	1
Ethylbenzene	ND		ug/kg	52	--	1
Chloromethane	ND		ug/kg	210	--	1
Bromomethane	ND		ug/kg	100	--	1
Vinyl chloride	ND		ug/kg	52	--	1
Chloroethane	ND		ug/kg	100	--	1
1,1-Dichloroethene	ND		ug/kg	52	--	1
trans-1,2-Dichloroethene	ND		ug/kg	78	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933911

Project Number: 0231841 **Report Date:** 08/13/19

SAMPLE RESULTS

Lab ID: L1933911-02 Date Collected: 07/29/19 10:15

Client ID: SB19-72 (12.25-14.5) Date Received: 07/30/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	3200		ug/kg	26	--	1
1,2-Dichlorobenzene	ND		ug/kg	100	--	1
1,3-Dichlorobenzene	ND		ug/kg	100	--	1
1,4-Dichlorobenzene	ND		ug/kg	100	--	1
Methyl tert butyl ether	ND		ug/kg	100	--	1
p/m-Xylene	ND		ug/kg	100	--	1
o-Xylene	ND		ug/kg	52	--	1
Xylenes, Total	ND		ug/kg	52	--	1
cis-1,2-Dichloroethene	510		ug/kg	52	--	1
1,2-Dichloroethene, Total	510		ug/kg	52	--	1
Dibromomethane	ND		ug/kg	100	--	1
1,2,3-Trichloropropane	ND		ug/kg	100	--	1
Styrene	ND		ug/kg	52	--	1
Dichlorodifluoromethane	ND		ug/kg	520	--	1
Acetone	ND		ug/kg	520	--	1
Carbon disulfide	ND		ug/kg	520	--	1
2-Butanone	ND		ug/kg	520	--	1
4-Methyl-2-pentanone	ND		ug/kg	520	--	1
2-Hexanone	ND		ug/kg	520	--	1
Bromochloromethane	ND		ug/kg	100	--	1
Tetrahydrofuran	ND		ug/kg	210	--	1
2,2-Dichloropropane	ND		ug/kg	100	--	1
1,2-Dibromoethane	ND		ug/kg	52	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	26	--	1
Bromobenzene	ND		ug/kg	100	--	1
n-Butylbenzene	ND		ug/kg	52	--	1
sec-Butylbenzene	ND		ug/kg	52	--	1
tert-Butylbenzene	ND		ug/kg	100	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	100	--	1
o-Chlorotoluene	ND		ug/kg	100	--	1
p-Chlorotoluene	ND		ug/kg	100	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	160	--	1
Hexachlorobutadiene	ND		ug/kg	210	--	1
Isopropylbenzene	ND		ug/kg	52	--	1
p-Isopropyltoluene	ND		ug/kg	52	--	1
Naphthalene	ND		ug/kg	210	--	1
n-Propylbenzene	ND		ug/kg	52	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933911

Project Number: 0231841 **Report Date:** 08/13/19

SAMPLE RESULTS

Lab ID: L1933911-02 Date Collected: 07/29/19 10:15

Client ID: SB19-72 (12.25-14.5) Date Received: 07/30/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	100	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	100	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	100	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	100	--	1
Ethyl ether	ND		ug/kg	100	--	1
Isopropyl Ether	ND		ug/kg	100	--	1
Tert-Butyl Alcohol	ND		ug/kg	1000	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	100	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	100	--	1
1,4-Dioxane	ND		ug/kg	4200	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	91		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1933911

Project Number: 0231841 **Report Date:** 08/13/19

SAMPLE RESULTS

Lab ID: L1933911-03 Date Collected: 07/29/19 13:00

Client ID: SB19-73 (25-27) Date Received: 07/30/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 08/05/19 09:59

Analyst: MV

Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.5	--	1
1,1-Dichloroethane	ND		ug/kg	0.70	--	1
Chloroform	ND		ug/kg	1.0	--	1
Carbon tetrachloride	ND		ug/kg	0.70	--	1
1,2-Dichloropropane	ND		ug/kg	0.70	--	1
Dibromochloromethane	ND		ug/kg	0.70	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.70	--	1
Tetrachloroethene	ND		ug/kg	0.35	--	1
Chlorobenzene	ND		ug/kg	0.35	--	1
Trichlorofluoromethane	ND		ug/kg	2.8	--	1
1,2-Dichloroethane	ND		ug/kg	0.70	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.35	--	1
Bromodichloromethane	ND		ug/kg	0.35	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.70	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.35	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.35	--	1
1,1-Dichloropropene	ND		ug/kg	0.35	--	1
Bromoform	ND		ug/kg	2.8	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.35	--	1
Benzene	ND		ug/kg	0.35	--	1
Toluene	0.73		ug/kg	0.70	--	1
Ethylbenzene	ND		ug/kg	0.70	--	1
Chloromethane	ND		ug/kg	2.8	--	1
Bromomethane	ND		ug/kg	1.4	--	1
Vinyl chloride	ND		ug/kg	0.70	--	1
Chloroethane	ND		ug/kg	1.4	--	1
1,1-Dichloroethene	ND		ug/kg	0.70	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.0	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933911

Project Number: 0231841 **Report Date:** 08/13/19

SAMPLE RESULTS

Lab ID: L1933911-03 Date Collected: 07/29/19 13:00

Client ID: SB19-73 (25-27) Date Received: 07/30/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	1.3		ug/kg	0.35	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.4	--	1
Methyl tert butyl ether	ND		ug/kg	1.4	--	1
p/m-Xylene	ND		ug/kg	1.4	--	1
o-Xylene	ND		ug/kg	0.70	--	1
Xylenes, Total	ND		ug/kg	0.70	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.70	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.70	--	1
Dibromomethane	ND		ug/kg	1.4	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.4	--	1
Styrene	ND		ug/kg	0.70	--	1
Dichlorodifluoromethane	ND		ug/kg	7.0	--	1
Acetone	8.6		ug/kg	7.0	--	1
Carbon disulfide	ND		ug/kg	7.0	--	1
2-Butanone	ND		ug/kg	7.0	--	1
4-Methyl-2-pentanone	ND		ug/kg	7.0	--	1
2-Hexanone	ND		ug/kg	7.0	--	1
Bromochloromethane	ND		ug/kg	1.4	--	1
Tetrahydrofuran	ND		ug/kg	2.8	--	1
2,2-Dichloropropane	ND		ug/kg	1.4	--	1
1,2-Dibromoethane	ND		ug/kg	0.70	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.35	--	1
Bromobenzene	ND		ug/kg	1.4	--	1
n-Butylbenzene	ND		ug/kg	0.70	--	1
sec-Butylbenzene	ND		ug/kg	0.70	--	1
tert-Butylbenzene	ND		ug/kg	1.4	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.4	--	1
o-Chlorotoluene	ND		ug/kg	1.4	--	1
p-Chlorotoluene	ND		ug/kg	1.4	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.1	--	1
Hexachlorobutadiene	ND		ug/kg	2.8	--	1
Isopropylbenzene	ND		ug/kg	0.70	--	1
p-Isopropyltoluene	ND		ug/kg	0.70	--	1
Naphthalene	ND		ug/kg	2.8	--	1
n-Propylbenzene	ND		ug/kg	0.70	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933911

Project Number: 0231841 **Report Date:** 08/13/19

SAMPLE RESULTS

Lab ID: L1933911-03 Date Collected: 07/29/19 13:00

Client ID: SB19-73 (25-27) Date Received: 07/30/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.4	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.4	--	1
Ethyl ether	ND		ug/kg	1.4	--	1
Isopropyl Ether	ND		ug/kg	1.4	--	1
Tert-Butyl Alcohol	ND		ug/kg	14	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.4	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.4	--	1
1,4-Dioxane	ND		ug/kg	56	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	115		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	93		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1933911

Project Number: 0231841 **Report Date:** 08/13/19

SAMPLE RESULTS

Lab ID: L1933911-04 Date Collected: 07/29/19 13:10
Client ID: SB19-73 (5-7.25) Date Received: 07/30/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/05/19 10:25
Analyst: MV
Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.3	--	1
1,1-Dichloroethane	ND		ug/kg	0.86	--	1
Chloroform	ND		ug/kg	1.3	--	1
Carbon tetrachloride	ND		ug/kg	0.86	--	1
1,2-Dichloropropane	ND		ug/kg	0.86	--	1
Dibromochloromethane	ND		ug/kg	0.86	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.86	--	1
Tetrachloroethene	ND		ug/kg	0.43	--	1
Chlorobenzene	ND		ug/kg	0.43	--	1
Trichlorofluoromethane	ND		ug/kg	3.4	--	1
1,2-Dichloroethane	ND		ug/kg	0.86	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.43	--	1
Bromodichloromethane	ND		ug/kg	0.43	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.86	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.43	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.43	--	1
1,1-Dichloropropene	ND		ug/kg	0.43	--	1
Bromoform	ND		ug/kg	3.4	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.43	--	1
Benzene	ND		ug/kg	0.43	--	1
Toluene	ND		ug/kg	0.86	--	1
Ethylbenzene	ND		ug/kg	0.86	--	1
Chloromethane	ND		ug/kg	3.4	--	1
Bromomethane	ND		ug/kg	1.7	--	1
Vinyl chloride	ND		ug/kg	0.86	--	1
Chloroethane	ND		ug/kg	1.7	--	1
1,1-Dichloroethene	ND		ug/kg	0.86	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933911

Project Number: 0231841 **Report Date:** 08/13/19

SAMPLE RESULTS

Lab ID: L1933911-04 Date Collected: 07/29/19 13:10

Client ID: SB19-73 (5-7.25) Date Received: 07/30/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	1.8		ug/kg	0.43	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.7	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.7	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.7	--	1
Methyl tert butyl ether	ND		ug/kg	1.7	--	1
p/m-Xylene	ND		ug/kg	1.7	--	1
o-Xylene	ND		ug/kg	0.86	--	1
Xylenes, Total	ND		ug/kg	0.86	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.86	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.86	--	1
Dibromomethane	ND		ug/kg	1.7	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.7	--	1
Styrene	ND		ug/kg	0.86	--	1
Dichlorodifluoromethane	ND		ug/kg	8.6	--	1
Acetone	ND		ug/kg	8.6	--	1
Carbon disulfide	ND		ug/kg	8.6	--	1
2-Butanone	ND		ug/kg	8.6	--	1
4-Methyl-2-pentanone	ND		ug/kg	8.6	--	1
2-Hexanone	ND		ug/kg	8.6	--	1
Bromochloromethane	ND		ug/kg	1.7	--	1
Tetrahydrofuran	ND		ug/kg	3.4	--	1
2,2-Dichloropropane	ND		ug/kg	1.7	--	1
1,2-Dibromoethane	ND		ug/kg	0.86	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.43	--	1
Bromobenzene	ND		ug/kg	1.7	--	1
n-Butylbenzene	ND		ug/kg	0.86	--	1
sec-Butylbenzene	ND		ug/kg	0.86	--	1
tert-Butylbenzene	ND		ug/kg	1.7	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.7	--	1
o-Chlorotoluene	ND		ug/kg	1.7	--	1
p-Chlorotoluene	ND		ug/kg	1.7	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.6	--	1
Hexachlorobutadiene	ND		ug/kg	3.4	--	1
Isopropylbenzene	ND		ug/kg	0.86	--	1
p-Isopropyltoluene	ND		ug/kg	0.86	--	1
Naphthalene	ND		ug/kg	3.4	--	1
n-Propylbenzene	ND		ug/kg	0.86	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933911

Project Number: 0231841 **Report Date:** 08/13/19

SAMPLE RESULTS

Lab ID: L1933911-04 Date Collected: 07/29/19 13:10

Client ID: SB19-73 (5-7.25) Date Received: 07/30/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.7	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.7	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.7	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.7	--	1
Ethyl ether	ND		ug/kg	1.7	--	1
Isopropyl Ether	ND		ug/kg	1.7	--	1
Tert-Butyl Alcohol	ND		ug/kg	17	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.7	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.7	--	1
1,4-Dioxane	ND		ug/kg	68	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	95		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1933911

Project Number: 0231841 **Report Date:** 08/13/19

SAMPLE RESULTS

Lab ID: L1933911-05
Client ID: SB19-74 (12.25-14.5)
Sample Location: SALEM, NH

Date Collected: 07/29/19 15:10
Date Received: 07/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/05/19 10:51
Analyst: MV
Percent Solids: 75%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.8	--	1
1,1-Dichloroethane	ND		ug/kg	0.77	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.77	--	1
1,2-Dichloropropane	ND		ug/kg	0.77	--	1
Dibromochloromethane	ND		ug/kg	0.77	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.77	--	1
Tetrachloroethene	ND		ug/kg	0.38	--	1
Chlorobenzene	ND		ug/kg	0.38	--	1
Trichlorofluoromethane	ND		ug/kg	3.1	--	1
1,2-Dichloroethane	ND		ug/kg	0.77	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.38	--	1
Bromodichloromethane	ND		ug/kg	0.38	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.77	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.38	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.38	--	1
1,1-Dichloropropene	ND		ug/kg	0.38	--	1
Bromoform	ND		ug/kg	3.1	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.38	--	1
Benzene	ND		ug/kg	0.38	--	1
Toluene	ND		ug/kg	0.77	--	1
Ethylbenzene	ND		ug/kg	0.77	--	1
Chloromethane	ND		ug/kg	3.1	--	1
Bromomethane	ND		ug/kg	1.5	--	1
Vinyl chloride	ND		ug/kg	0.77	--	1
Chloroethane	ND		ug/kg	1.5	--	1
1,1-Dichloroethene	ND		ug/kg	0.77	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933911

Project Number: 0231841 **Report Date:** 08/13/19

SAMPLE RESULTS

Lab ID: L1933911-05 Date Collected: 07/29/19 15:10

Client ID: SB19-74 (12.25-14.5) Date Received: 07/30/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	7.4		ug/kg	0.38	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.5	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.5	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.5	--	1
Methyl tert butyl ether	ND		ug/kg	1.5	--	1
p/m-Xylene	ND		ug/kg	1.5	--	1
o-Xylene	ND		ug/kg	0.77	--	1
Xylenes, Total	ND		ug/kg	0.77	--	1
cis-1,2-Dichloroethene	1.8		ug/kg	0.77	--	1
1,2-Dichloroethene, Total	1.8		ug/kg	0.77	--	1
Dibromomethane	ND		ug/kg	1.5	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.5	--	1
Styrene	ND		ug/kg	0.77	--	1
Dichlorodifluoromethane	ND		ug/kg	7.7	--	1
Acetone	ND		ug/kg	7.7	--	1
Carbon disulfide	ND		ug/kg	7.7	--	1
2-Butanone	ND		ug/kg	7.7	--	1
4-Methyl-2-pentanone	ND		ug/kg	7.7	--	1
2-Hexanone	ND		ug/kg	7.7	--	1
Bromochloromethane	ND		ug/kg	1.5	--	1
Tetrahydrofuran	ND		ug/kg	3.1	--	1
2,2-Dichloropropane	ND		ug/kg	1.5	--	1
1,2-Dibromoethane	ND		ug/kg	0.77	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.38	--	1
Bromobenzene	ND		ug/kg	1.5	--	1
n-Butylbenzene	ND		ug/kg	0.77	--	1
sec-Butylbenzene	ND		ug/kg	0.77	--	1
tert-Butylbenzene	ND		ug/kg	1.5	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.5	--	1
o-Chlorotoluene	ND		ug/kg	1.5	--	1
p-Chlorotoluene	ND		ug/kg	1.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.3	--	1
Hexachlorobutadiene	ND		ug/kg	3.1	--	1
Isopropylbenzene	ND		ug/kg	0.77	--	1
p-Isopropyltoluene	ND		ug/kg	0.77	--	1
Naphthalene	ND		ug/kg	3.1	--	1
n-Propylbenzene	ND		ug/kg	0.77	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933911

Project Number: 0231841 **Report Date:** 08/13/19

SAMPLE RESULTS

Lab ID: L1933911-05 Date Collected: 07/29/19 15:10

Client ID: SB19-74 (12.25-14.5) Date Received: 07/30/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.5	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.5	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.5	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.5	--	1
Ethyl ether	ND		ug/kg	1.5	--	1
Isopropyl Ether	ND		ug/kg	1.5	--	1
Tert-Butyl Alcohol	ND		ug/kg	15	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.5	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.5	--	1
1,4-Dioxane	ND		ug/kg	62	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	93		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1933911

Project Number: 0231841 **Report Date:** 08/13/19

SAMPLE RESULTS

Lab ID: L1933911-06 Date Collected: 07/08/19 09:47
Client ID: TRIP BLANK Date Received: 07/30/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/05/19 09:08
Analyst: MV
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	250	--	1
1,1-Dichloroethane	ND		ug/kg	50	--	1
Chloroform	ND		ug/kg	75	--	1
Carbon tetrachloride	ND		ug/kg	50	--	1
1,2-Dichloropropane	ND		ug/kg	50	--	1
Dibromochloromethane	ND		ug/kg	50	--	1
1,1,2-Trichloroethane	ND		ug/kg	50	--	1
Tetrachloroethene	ND		ug/kg	25	--	1
Chlorobenzene	ND		ug/kg	25	--	1
Trichlorofluoromethane	ND		ug/kg	200	--	1
1,2-Dichloroethane	ND		ug/kg	50	--	1
1,1,1-Trichloroethane	ND		ug/kg	25	--	1
Bromodichloromethane	ND		ug/kg	25	--	1
trans-1,3-Dichloropropene	ND		ug/kg	50	--	1
cis-1,3-Dichloropropene	ND		ug/kg	25	--	1
1,3-Dichloropropene, Total	ND		ug/kg	25	--	1
1,1-Dichloropropene	ND		ug/kg	25	--	1
Bromoform	ND		ug/kg	200	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	--	1
Benzene	ND		ug/kg	25	--	1
Toluene	ND		ug/kg	50	--	1
Ethylbenzene	ND		ug/kg	50	--	1
Chloromethane	ND		ug/kg	200	--	1
Bromomethane	ND		ug/kg	100	--	1
Vinyl chloride	ND		ug/kg	50	--	1
Chloroethane	ND		ug/kg	100	--	1
1,1-Dichloroethene	ND		ug/kg	50	--	1
trans-1,2-Dichloroethene	ND		ug/kg	75	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933911

Project Number: 0231841 **Report Date:** 08/13/19

SAMPLE RESULTS

Lab ID: L1933911-06 Date Collected: 07/08/19 09:47

Client ID: TRIP BLANK Date Received: 07/30/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	25	--	1
1,2-Dichlorobenzene	ND		ug/kg	100	--	1
1,3-Dichlorobenzene	ND		ug/kg	100	--	1
1,4-Dichlorobenzene	ND		ug/kg	100	--	1
Methyl tert butyl ether	ND		ug/kg	100	--	1
p/m-Xylene	ND		ug/kg	100	--	1
o-Xylene	ND		ug/kg	50	--	1
Xylenes, Total	ND		ug/kg	50	--	1
cis-1,2-Dichloroethene	ND		ug/kg	50	--	1
1,2-Dichloroethene, Total	ND		ug/kg	50	--	1
Dibromomethane	ND		ug/kg	100	--	1
1,2,3-Trichloropropane	ND		ug/kg	100	--	1
Styrene	ND		ug/kg	50	--	1
Dichlorodifluoromethane	ND		ug/kg	500	--	1
Acetone	ND		ug/kg	500	--	1
Carbon disulfide	ND		ug/kg	500	--	1
2-Butanone	ND		ug/kg	500	--	1
4-Methyl-2-pentanone	ND		ug/kg	500	--	1
2-Hexanone	ND		ug/kg	500	--	1
Bromochloromethane	ND		ug/kg	100	--	1
Tetrahydrofuran	ND		ug/kg	200	--	1
2,2-Dichloropropane	ND		ug/kg	100	--	1
1,2-Dibromoethane	ND		ug/kg	50	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	--	1
Bromobenzene	ND		ug/kg	100	--	1
n-Butylbenzene	ND		ug/kg	50	--	1
sec-Butylbenzene	ND		ug/kg	50	--	1
tert-Butylbenzene	ND		ug/kg	100	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	100	--	1
o-Chlorotoluene	ND		ug/kg	100	--	1
p-Chlorotoluene	ND		ug/kg	100	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	--	1
Hexachlorobutadiene	ND		ug/kg	200	--	1
Isopropylbenzene	ND		ug/kg	50	--	1
p-Isopropyltoluene	ND		ug/kg	50	--	1
Naphthalene	ND		ug/kg	200	--	1
n-Propylbenzene	ND		ug/kg	50	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933911

Project Number: 0231841 **Report Date:** 08/13/19

SAMPLE RESULTS

Lab ID: L1933911-06 Date Collected: 07/08/19 09:47

Client ID: TRIP BLANK Date Received: 07/30/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	100	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	100	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	100	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	100	--	1
Ethyl ether	ND		ug/kg	100	--	1
Isopropyl Ether	ND		ug/kg	100	--	1
Tert-Butyl Alcohol	ND		ug/kg	1000	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	100	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	100	--	1
1,4-Dioxane	ND		ug/kg	4000	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	91		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1933911

Project Number: 0231841 **Report Date:** 08/13/19

SAMPLE RESULTS

Lab ID: L1933911-06 Date Collected: 07/08/19 09:47
Client ID: TRIP BLANK Date Received: 07/30/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/05/19 09:34
Analyst: MV
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	--	1
1,1-Dichloroethane	ND		ug/kg	1.0	--	1
Chloroform	ND		ug/kg	1.5	--	1
Carbon tetrachloride	ND		ug/kg	1.0	--	1
1,2-Dichloropropane	ND		ug/kg	1.0	--	1
Dibromochloromethane	ND		ug/kg	1.0	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	--	1
Tetrachloroethene	ND		ug/kg	0.50	--	1
Chlorobenzene	ND		ug/kg	0.50	--	1
Trichlorofluoromethane	ND		ug/kg	4.0	--	1
1,2-Dichloroethane	ND		ug/kg	1.0	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	--	1
Bromodichloromethane	ND		ug/kg	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--	1
1,1-Dichloropropene	ND		ug/kg	0.50	--	1
Bromoform	ND		ug/kg	4.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--	1
Benzene	ND		ug/kg	0.50	--	1
Toluene	ND		ug/kg	1.0	--	1
Ethylbenzene	ND		ug/kg	1.0	--	1
Chloromethane	ND		ug/kg	4.0	--	1
Bromomethane	ND		ug/kg	2.0	--	1
Vinyl chloride	ND		ug/kg	1.0	--	1
Chloroethane	ND		ug/kg	2.0	--	1
1,1-Dichloroethene	ND		ug/kg	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933911

Project Number: 0231841 **Report Date:** 08/13/19

SAMPLE RESULTS

Lab ID: L1933911-06 Date Collected: 07/08/19 09:47

Client ID: TRIP BLANK Date Received: 07/30/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.50	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	--	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	--	1
Methyl tert butyl ether	ND		ug/kg	2.0	--	1
p/m-Xylene	ND		ug/kg	2.0	--	1
o-Xylene	ND		ug/kg	1.0	--	1
Xylenes, Total	ND		ug/kg	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--	1
Dibromomethane	ND		ug/kg	2.0	--	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	--	1
Styrene	ND		ug/kg	1.0	--	1
Dichlorodifluoromethane	ND		ug/kg	10	--	1
Acetone	ND		ug/kg	10	--	1
Carbon disulfide	ND		ug/kg	10	--	1
2-Butanone	ND		ug/kg	10	--	1
4-Methyl-2-pentanone	ND		ug/kg	10	--	1
2-Hexanone	ND		ug/kg	10	--	1
Bromochloromethane	ND		ug/kg	2.0	--	1
Tetrahydrofuran	ND		ug/kg	4.0	--	1
2,2-Dichloropropane	ND		ug/kg	2.0	--	1
1,2-Dibromoethane	ND		ug/kg	1.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--	1
Bromobenzene	ND		ug/kg	2.0	--	1
n-Butylbenzene	ND		ug/kg	1.0	--	1
sec-Butylbenzene	ND		ug/kg	1.0	--	1
tert-Butylbenzene	ND		ug/kg	2.0	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	2.0	--	1
o-Chlorotoluene	ND		ug/kg	2.0	--	1
p-Chlorotoluene	ND		ug/kg	2.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--	1
Hexachlorobutadiene	ND		ug/kg	4.0	--	1
Isopropylbenzene	ND		ug/kg	1.0	--	1
p-Isopropyltoluene	ND		ug/kg	1.0	--	1
Naphthalene	ND		ug/kg	4.0	--	1
n-Propylbenzene	ND		ug/kg	1.0	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1933911

Project Number: 0231841 **Report Date:** 08/13/19

SAMPLE RESULTS

Lab ID: L1933911-06 Date Collected: 07/08/19 09:47

Client ID: TRIP BLANK Date Received: 07/30/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--	1
Ethyl ether	ND		ug/kg	2.0	--	1
Isopropyl Ether	ND		ug/kg	2.0	--	1
Tert-Butyl Alcohol	ND		ug/kg	20	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--	1
1,4-Dioxane	ND		ug/kg	80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	94		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1933911

Project Number: 0231841 **Report Date:** 08/13/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/05/19 06:59
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01-02,06 Batch: WG1268599-5					
Methylene chloride	ND		ug/kg	250	--
1,1-Dichloroethane	ND		ug/kg	50	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	50	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	50	--
Tetrachloroethene	ND		ug/kg	25	--
Chlorobenzene	ND		ug/kg	25	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	25	--
Bromodichloromethane	ND		ug/kg	25	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	25	--
1,3-Dichloropropene, Total	ND		ug/kg	25	--
1,1-Dichloropropene	ND		ug/kg	25	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	--
Benzene	ND		ug/kg	25	--
Toluene	ND		ug/kg	50	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	50	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	25	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1933911

Project Number: 0231841 **Report Date:** 08/13/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/05/19 06:59
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01-02,06 Batch: WG1268599-5					
1,2-Dichlorobenzene	ND		ug/kg	100	--
1,3-Dichlorobenzene	ND		ug/kg	100	--
1,4-Dichlorobenzene	ND		ug/kg	100	--
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	50	--
Xylenes, Total	ND		ug/kg	50	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
1,2-Dichloroethene, Total	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	100	--
1,2,3-Trichloropropane	ND		ug/kg	100	--
Styrene	ND		ug/kg	50	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	500	--
Carbon disulfide	ND		ug/kg	500	--
2-Butanone	ND		ug/kg	500	--
4-Methyl-2-pentanone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	100	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	100	--
1,2-Dibromoethane	ND		ug/kg	50	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	--
Bromobenzene	ND		ug/kg	100	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	100	--
1,3,5-Trichlorobenzene	ND		ug/kg	100	--
o-Chlorotoluene	ND		ug/kg	100	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1933911

Project Number: 0231841 **Report Date:** 08/13/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/05/19 06:59
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01-02,06 Batch: WG1268599-5					
p-Chlorotoluene	ND		ug/kg	100	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--
1,2,3-Trichlorobenzene	ND		ug/kg	100	--
1,2,4-Trichlorobenzene	ND		ug/kg	100	--
1,3,5-Trimethylbenzene	ND		ug/kg	100	--
1,2,4-Trimethylbenzene	ND		ug/kg	100	--
Ethyl ether	ND		ug/kg	100	--
Isopropyl Ether	ND		ug/kg	100	--
Tert-Butyl Alcohol	ND		ug/kg	1000	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	100	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	100	--
1,4-Dioxane	ND		ug/kg	4000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	93		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1933911

Project Number: 0231841 **Report Date:** 08/13/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/05/19 06:59
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03-06 Batch: WG1268843-5					
Methylene chloride	ND		ug/kg	5.0	--
1,1-Dichloroethane	ND		ug/kg	1.0	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	1.0	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.0	--
Tetrachloroethene	ND		ug/kg	0.50	--
Chlorobenzene	ND		ug/kg	0.50	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	0.50	--
Bromodichloromethane	ND		ug/kg	0.50	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--
1,1-Dichloropropene	ND		ug/kg	0.50	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--
Benzene	ND		ug/kg	0.50	--
Toluene	ND		ug/kg	1.0	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	1.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	0.50	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1933911

Project Number: 0231841 **Report Date:** 08/13/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/05/19 06:59
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03-06 Batch: WG1268843-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	--
1,3-Dichlorobenzene	ND		ug/kg	2.0	--
1,4-Dichlorobenzene	ND		ug/kg	2.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	1.0	--
Xylenes, Total	ND		ug/kg	1.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	2.0	--
1,2,3-Trichloropropane	ND		ug/kg	2.0	--
Styrene	ND		ug/kg	1.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	10	--
Carbon disulfide	ND		ug/kg	10	--
2-Butanone	ND		ug/kg	10	--
4-Methyl-2-pentanone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Bromochloromethane	ND		ug/kg	2.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	2.0	--
1,2-Dibromoethane	ND		ug/kg	1.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--
Bromobenzene	ND		ug/kg	2.0	--
n-Butylbenzene	ND		ug/kg	1.0	--
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	2.0	--
1,3,5-Trichlorobenzene	ND		ug/kg	2.0	--
o-Chlorotoluene	ND		ug/kg	2.0	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1933911

Project Number: 0231841 **Report Date:** 08/13/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/05/19 06:59
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03-06 Batch: WG1268843-5					
p-Chlorotoluene	ND		ug/kg	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--
Ethyl ether	ND		ug/kg	2.0	--
Isopropyl Ether	ND		ug/kg	2.0	--
Tert-Butyl Alcohol	ND		ug/kg	20	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--
1,4-Dioxane	ND		ug/kg	80	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	93		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 0231841

Lab Number: L1933911

Report Date: 08/13/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-02,06 Batch: WG1268599-3 WG1268599-4								
Methylene chloride	90		91		70-130	1		30
1,1-Dichloroethane	102		102		70-130	0		30
Chloroform	97		96		70-130	1		30
Carbon tetrachloride	88		85		70-130	3		30
1,2-Dichloropropane	109		107		70-130	2		30
Dibromochloromethane	101		100		70-130	1		30
1,1,2-Trichloroethane	122		125		70-130	2		30
Tetrachloroethene	101		100		70-130	1		30
Chlorobenzene	102		100		70-130	2		30
Trichlorofluoromethane	88		88		70-139	0		30
1,2-Dichloroethane	89		87		70-130	2		30
1,1,1-Trichloroethane	94		93		70-130	1		30
Bromodichloromethane	100		99		70-130	1		30
trans-1,3-Dichloropropene	114		113		70-130	1		30
cis-1,3-Dichloropropene	104		108		70-130	4		30
1,1-Dichloropropene	102		104		70-130	2		30
Bromoform	98		92		70-130	6		30
1,1,2,2-Tetrachloroethane	119		115		70-130	3		30
Benzene	105		105		70-130	0		30
Toluene	111		114		70-130	3		30
Ethylbenzene	111		107		70-130	4		30
Chloromethane	100		95		52-130	5		30
Bromomethane	95		99		57-147	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 0231841

Lab Number: L1933911

Report Date: 08/13/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-02,06 Batch: WG1268599-3 WG1268599-4								
Vinyl chloride	122		123		67-130	1		30
Chloroethane	127		131		50-151	3		30
1,1-Dichloroethene	98		97		65-135	1		30
trans-1,2-Dichloroethene	101		98		70-130	3		30
Trichloroethene	104		102		70-130	2		30
1,2-Dichlorobenzene	96		96		70-130	0		30
1,3-Dichlorobenzene	96		95		70-130	1		30
1,4-Dichlorobenzene	97		95		70-130	2		30
Methyl tert butyl ether	82		81		66-130	1		30
p/m-Xylene	106		104		70-130	2		30
o-Xylene	102		100		70-130	2		30
cis-1,2-Dichloroethene	102		103		70-130	1		30
Dibromomethane	103		102		70-130	1		30
1,2,3-Trichloropropane	111		105		68-130	6		30
Styrene	103		100		70-130	3		30
Dichlorodifluoromethane	75		75		30-146	0		30
Acetone	74		71		54-140	4		30
Carbon disulfide	86		88		59-130	2		30
2-Butanone	74		75		70-130	1		30
4-Methyl-2-pentanone	104		103		70-130	1		30
2-Hexanone	91		89		70-130	2		30
Bromochloromethane	96		96		70-130	0		30
Tetrahydrofuran	99		88		66-130	12		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 0231841

Lab Number: L1933911

Report Date: 08/13/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-02,06 Batch: WG1268599-3 WG1268599-4								
2,2-Dichloropropane	94		94		70-130	0		30
1,2-Dibromoethane	110		109		70-130	1		30
1,1,1,2-Tetrachloroethane	98		95		70-130	3		30
Bromobenzene	102		96		70-130	6		30
n-Butylbenzene	109		110		70-130	1		30
sec-Butylbenzene	101		102		70-130	1		30
tert-Butylbenzene	96		94		70-130	2		30
1,3,5-Trichlorobenzene	94		92		70-139	2		30
o-Chlorotoluene	92		114		70-130	21		30
p-Chlorotoluene	109		109		70-130	0		30
1,2-Dibromo-3-chloropropane	85		87		68-130	2		30
Hexachlorobutadiene	101		104		67-130	3		30
Isopropylbenzene	104		100		70-130	4		30
p-Isopropyltoluene	98		96		70-130	2		30
Naphthalene	92		92		70-130	0		30
n-Propylbenzene	112		107		70-130	5		30
1,2,3-Trichlorobenzene	90		90		70-130	0		30
1,2,4-Trichlorobenzene	96		95		70-130	1		30
1,3,5-Trimethylbenzene	102		98		70-130	4		30
1,2,4-Trimethylbenzene	101		101		70-130	0		30
Ethyl ether	87		88		67-130	1		30
Isopropyl Ether	104		103		66-130	1		30
Tert-Butyl Alcohol	80		76		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1933911
Report Date: 08/13/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-02,06 Batch: WG1268599-3 WG1268599-4								
Ethyl-Tert-Butyl-Ether	99		94		70-130	5		30
Tertiary-Amyl Methyl Ether	95		96		70-130	1		30
1,4-Dioxane	71		74		65-136	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	90		88		70-130
Toluene-d8	109		114		70-130
4-Bromofluorobenzene	104		103		70-130
Dibromofluoromethane	93		94		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 0231841

Lab Number: L1933911

Report Date: 08/13/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-06 Batch: WG1268843-3 WG1268843-4								
Methylene chloride	90		91		70-130	1		30
1,1-Dichloroethane	102		102		70-130	0		30
Chloroform	97		96		70-130	1		30
Carbon tetrachloride	88		85		70-130	3		30
1,2-Dichloropropane	109		107		70-130	2		30
Dibromochloromethane	101		100		70-130	1		30
1,1,2-Trichloroethane	122		125		70-130	2		30
Tetrachloroethene	101		100		70-130	1		30
Chlorobenzene	102		100		70-130	2		30
Trichlorofluoromethane	88		88		70-139	0		30
1,2-Dichloroethane	89		87		70-130	2		30
1,1,1-Trichloroethane	94		93		70-130	1		30
Bromodichloromethane	100		99		70-130	1		30
trans-1,3-Dichloropropene	114		113		70-130	1		30
cis-1,3-Dichloropropene	104		108		70-130	4		30
1,1-Dichloropropene	102		104		70-130	2		30
Bromoform	98		92		70-130	6		30
1,1,2,2-Tetrachloroethane	119		115		70-130	3		30
Benzene	105		105		70-130	0		30
Toluene	111		114		70-130	3		30
Ethylbenzene	111		107		70-130	4		30
Chloromethane	100		95		52-130	5		30
Bromomethane	95		99		57-147	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 0231841

Lab Number: L1933911

Report Date: 08/13/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-06 Batch: WG1268843-3 WG1268843-4								
Vinyl chloride	122		123		67-130	1		30
Chloroethane	127		131		50-151	3		30
1,1-Dichloroethene	98		97		65-135	1		30
trans-1,2-Dichloroethene	101		98		70-130	3		30
Trichloroethene	104		102		70-130	2		30
1,2-Dichlorobenzene	96		96		70-130	0		30
1,3-Dichlorobenzene	96		95		70-130	1		30
1,4-Dichlorobenzene	97		95		70-130	2		30
Methyl tert butyl ether	82		81		66-130	1		30
p/m-Xylene	106		104		70-130	2		30
o-Xylene	102		100		70-130	2		30
cis-1,2-Dichloroethene	102		103		70-130	1		30
Dibromomethane	103		102		70-130	1		30
1,2,3-Trichloropropane	111		105		68-130	6		30
Styrene	103		100		70-130	3		30
Dichlorodifluoromethane	75		75		30-146	0		30
Acetone	74		71		54-140	4		30
Carbon disulfide	86		88		59-130	2		30
2-Butanone	74		75		70-130	1		30
4-Methyl-2-pentanone	104		103		70-130	1		30
2-Hexanone	91		89		70-130	2		30
Bromochloromethane	96		96		70-130	0		30
Tetrahydrofuran	99		88		66-130	12		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1933911
Report Date: 08/13/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-06 Batch: WG1268843-3 WG1268843-4								
2,2-Dichloropropane	94		94		70-130	0		30
1,2-Dibromoethane	110		109		70-130	1		30
1,1,1,2-Tetrachloroethane	98		95		70-130	3		30
Bromobenzene	102		96		70-130	6		30
n-Butylbenzene	109		110		70-130	1		30
sec-Butylbenzene	101		102		70-130	1		30
tert-Butylbenzene	96		94		70-130	2		30
1,3,5-Trichlorobenzene	94		92		70-139	2		30
o-Chlorotoluene	92		114		70-130	21		30
p-Chlorotoluene	109		109		70-130	0		30
1,2-Dibromo-3-chloropropane	85		87		68-130	2		30
Hexachlorobutadiene	101		104		67-130	3		30
Isopropylbenzene	104		100		70-130	4		30
p-Isopropyltoluene	98		96		70-130	2		30
Naphthalene	92		92		70-130	0		30
n-Propylbenzene	112		107		70-130	5		30
1,2,3-Trichlorobenzene	90		90		70-130	0		30
1,2,4-Trichlorobenzene	96		95		70-130	1		30
1,3,5-Trimethylbenzene	102		98		70-130	4		30
1,2,4-Trimethylbenzene	101		101		70-130	0		30
Ethyl ether	87		88		67-130	1		30
Isopropyl Ether	104		103		66-130	1		30
Tert-Butyl Alcohol	80		76		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1933911
Report Date: 08/13/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-06 Batch: WG1268843-3 WG1268843-4								
Ethyl-Tert-Butyl-Ether	99		94		70-130	5		30
Tertiary-Amyl Methyl Ether	95		96		70-130	1		30
1,4-Dioxane	71		74		65-136	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	90		88		70-130
Toluene-d8	109		114		70-130
4-Bromofluorobenzene	105		103		70-130
Dibromofluoromethane	93		94		70-130

INORGANICS
&
MISCELLANEOUS

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1933911
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1933911-01
Client ID: SB19-71 (17-19)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/29/19 08:55
Date Received: 07/30/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.8		%	0.100	NA	1	-	07/31/19 05:06	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1933911
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1933911-02
Client ID: SB19-72 (12.25-14.5)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/29/19 10:15
Date Received: 07/30/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.6		%	0.100	NA	1	-	07/31/19 05:06	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1933911
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1933911-03
Client ID: SB19-73 (25-27)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/29/19 13:00
Date Received: 07/30/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon	0.014		%	0.010	--	1	-	08/07/19 10:16	1,9060A	SP
Grain Size Analysis - Mansfield Lab										
Cobbles	ND		%	0.100	NA	1	-	08/02/19 13:15	12,D6913/D7928	SM
% Coarse Gravel	ND		%	0.100	NA	1	-	08/02/19 13:15	12,D6913/D7928	SM
% Fine Gravel	16.9		%	0.100	NA	1	-	08/02/19 13:15	12,D6913/D7928	SM
% Total Gravel	16.9		%	0.100	NA	1	-	08/02/19 13:15	12,D6913/D7928	SM
% Coarse Sand	7.60		%	0.100	NA	1	-	08/02/19 13:15	12,D6913/D7928	SM
% Medium Sand	15.1		%	0.100	NA	1	-	08/02/19 13:15	12,D6913/D7928	SM
% Fine Sand	47.3		%	0.100	NA	1	-	08/02/19 13:15	12,D6913/D7928	SM
% Total Sand	70.0		%	0.100	NA	1	-	08/02/19 13:15	12,D6913/D7928	SM
% Total Fines	13.1		%	0.100	NA	1	-	08/02/19 13:15	12,D6913/D7928	SM
General Chemistry - Westborough Lab										
Solids, Total	92.5		%	0.100	NA	1	-	07/31/19 05:06	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1933911
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1933911-04
Client ID: SB19-73 (5-7.25)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/29/19 13:10
Date Received: 07/30/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.3		%	0.100	NA	1	-	07/31/19 05:06	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1933911
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1933911-05
Client ID: SB19-74 (12.25-14.5)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/29/19 15:10
Date Received: 07/30/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.1		%	0.100	NA	1	-	07/31/19 05:06	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1933911
Report Date: 08/13/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab for sample(s): 03 Batch: WG1266383-1										
Total Organic Carbon	ND		%	0.010	--	1	-	08/07/19 10:16	1,9060A	SP

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 0231841

Lab Number: L1933911

Report Date: 08/13/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Organic Carbon - Mansfield Lab Associated sample(s): 03 Batch: WG1266383-2								
Total Organic Carbon	91		-		75-125	-		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1933911
Report Date: 08/13/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1266569-1 QC Sample: L1933714-01 Client ID: DUP Sample						
Solids, Total	87.2	87.8	%	1		20
Grain Size Analysis - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1267942-1 QC Sample: L1933911-03 Client ID: SB19-73 (25-27)						
Cobbles	ND	ND	%	NC		20
% Coarse Gravel	ND	ND	%	NC		20
% Fine Gravel	16.9	19.2	%	13		20
% Total Gravel	16.9	19.2	%	13		20
% Coarse Sand	7.60	9.50	%	**22**	Q	20
% Medium Sand	15.1	21.6	%	**35**	Q	20
% Fine Sand	47.3	37.5	%	**23**	Q	20
% Total Sand	70.0	68.6	%	2		20
% Total Fines	13.1	12.2	%	7		20

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1933911
Report Date: 08/13/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1933911-01A	Vial MeOH preserved	A	NA		2.3	Y	Absent		8260HLW-NH(14)
L1933911-01B	Vial water preserved	A	NA		2.3	Y	Absent	31-JUL-19 00:33	8260HLW-NH(14)
L1933911-01C	Vial water preserved	A	NA		2.3	Y	Absent	31-JUL-19 00:33	8260HLW-NH(14)
L1933911-01D	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		TS(7)
L1933911-02A	Vial MeOH preserved	A	NA		2.3	Y	Absent		8260HLW-NH(14)
L1933911-02B	Vial water preserved	A	NA		2.3	Y	Absent	31-JUL-19 00:33	8260HLW-NH(14)
L1933911-02C	Vial water preserved	A	NA		2.3	Y	Absent	31-JUL-19 00:33	8260HLW-NH(14)
L1933911-02D	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		TS(7)
L1933911-03A	Vial MeOH preserved	A	NA		2.3	Y	Absent		8260HLW-NH(14)
L1933911-03B	Vial water preserved	A	NA		2.3	Y	Absent	31-JUL-19 00:33	8260HLW-NH(14)
L1933911-03C	Vial water preserved	A	NA		2.3	Y	Absent	31-JUL-19 00:33	8260HLW-NH(14)
L1933911-03D	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		TS(7)
L1933911-03E	Glass 120ml/4oz unpreserved	A	NA		2.3	Y	Absent		A2-TOC-9060(28)
L1933911-03F	Plastic 8oz unpreserved for Grain Size	A	NA		2.3	Y	Absent		A2-HYDRO-TFINE(),A2-HYDRO-CGRAVEL(),A2-HYDRO-FSAND(),A2-HYDRO-MSAND(),A2-HYDRO-TGRAVEL(),A2-HYDRO-CSAND(),A2-HYDRO-TSAND(),A2-HYDRO-COBBLES(),A2-HYDRO-FGRAVEL()
L1933911-04A	Vial MeOH preserved	A	NA		2.3	Y	Absent		8260HLW-NH(14)
L1933911-04B	Vial water preserved	A	NA		2.3	Y	Absent	31-JUL-19 00:33	8260HLW-NH(14)
L1933911-04C	Vial water preserved	A	NA		2.3	Y	Absent	31-JUL-19 00:33	8260HLW-NH(14)
L1933911-04D	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		TS(7)
L1933911-05A	Vial MeOH preserved	A	NA		2.3	Y	Absent		8260HLW-NH(14)
L1933911-05B	Vial water preserved	A	NA		2.3	Y	Absent	31-JUL-19 00:33	8260HLW-NH(14)
L1933911-05C	Vial water preserved	A	NA		2.3	Y	Absent	31-JUL-19 00:33	8260HLW-NH(14)

*Values in parentheses indicate holding time in days

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1933911
Report Date: 08/13/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1933911-05D	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		TS(7)
L1933911-06A	Vial MeOH preserved	A	NA		2.3	Y	Absent		8260H-NH(14),8260HLW-NH(14)
L1933911-06B	Vial water preserved	A	NA		2.3	Y	Absent	**31-JUL-19 00:33**	8260H-NH(14),8260HLW-NH(14)

*Values in parentheses indicate holding time in days

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1933911
Project Number:	0231841	**Report Date:**	08/13/19

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: Data Usability Report

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1933911
Project Number:	0231841	**Report Date:**	08/13/19

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: Data Usability Report

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1933911
Project Number:	0231841	**Report Date:**	08/13/19

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

12 Annual Book of ASTM Standards. (American Society for Testing and Materials) ASTM International.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

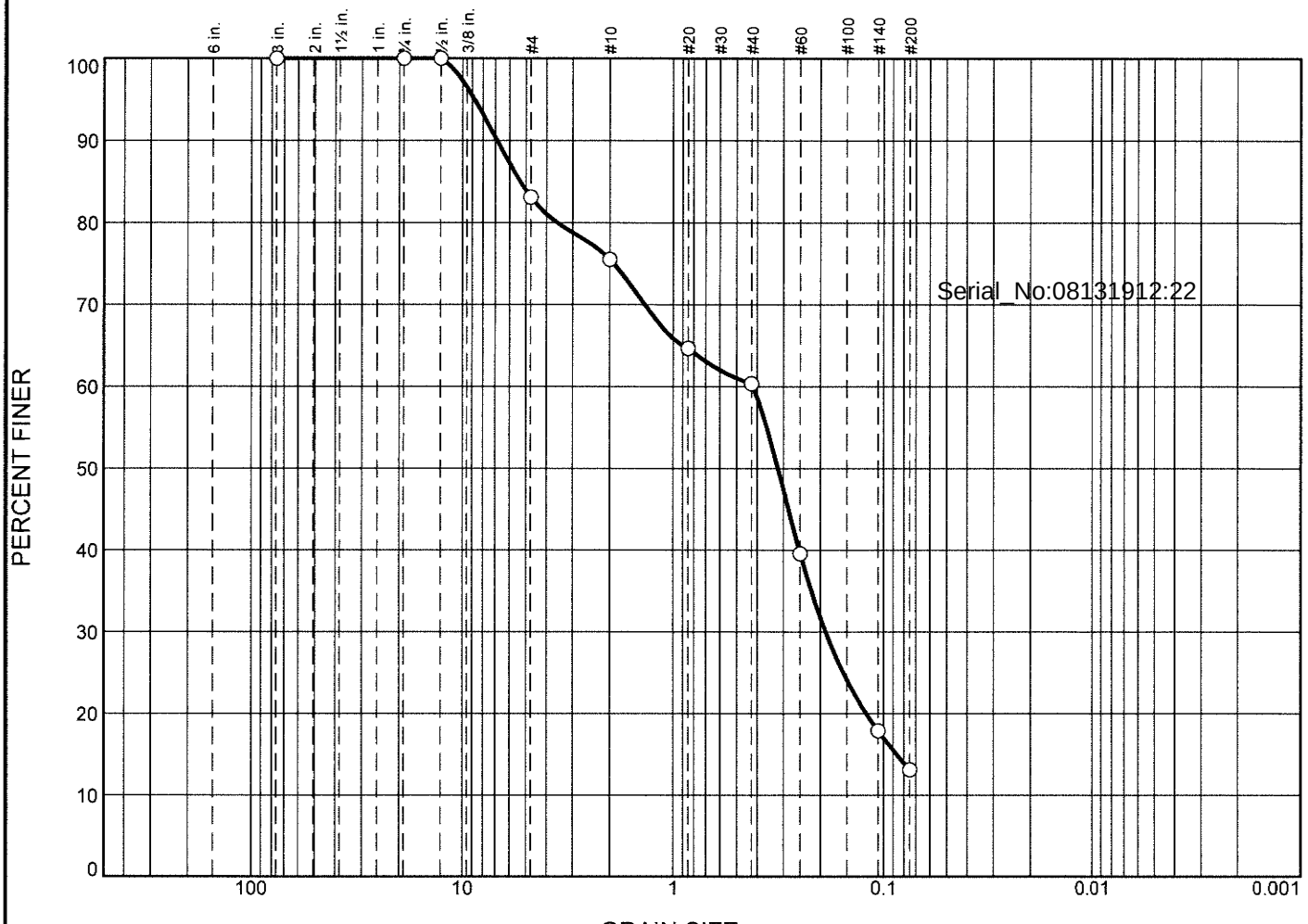
Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

ASTM D6913/D7928

GRAIN SIZE ANALYSIS

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	16.9	7.6	15.1	47.3	13.1	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				5.3366	0.4189	0.3186	0.1891	0.0866			

Material Description	USCS	AASHTO
○		

Project No. **Client:**

Project:

○ **Source of Sample:** SB19-73 (25-27) **Sample Number:** L1933911-03

Date: ○

Alpha Analytical

Mansfield, MA

Remarks:

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

8/6/2019

Location: SB19-73 (25-27)

Sample Number: L1933911-03

Sieve Test Data

Post #200 Wash Test Weights (grams): **Dry Sample and Tare =** 89.91
Tare Wt. = 0.00
Minus #200 from wash = 0.0%

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer
89.91	0.00	3	0.00	0.00	100.0
		0.75	0.00	0.00	100.0
		0.50	0.00	0.00	100.0
		#4	15.19	0.00	83.1
		#10	6.83	0.00	75.5
		#20	9.73	0.00	64.7
		#40	3.88	0.00	60.4
		#60	18.70	0.00	39.6
		#140	19.51	0.00	17.9
		#200	4.30	0.00	13.1

Serial_No:08131912:22

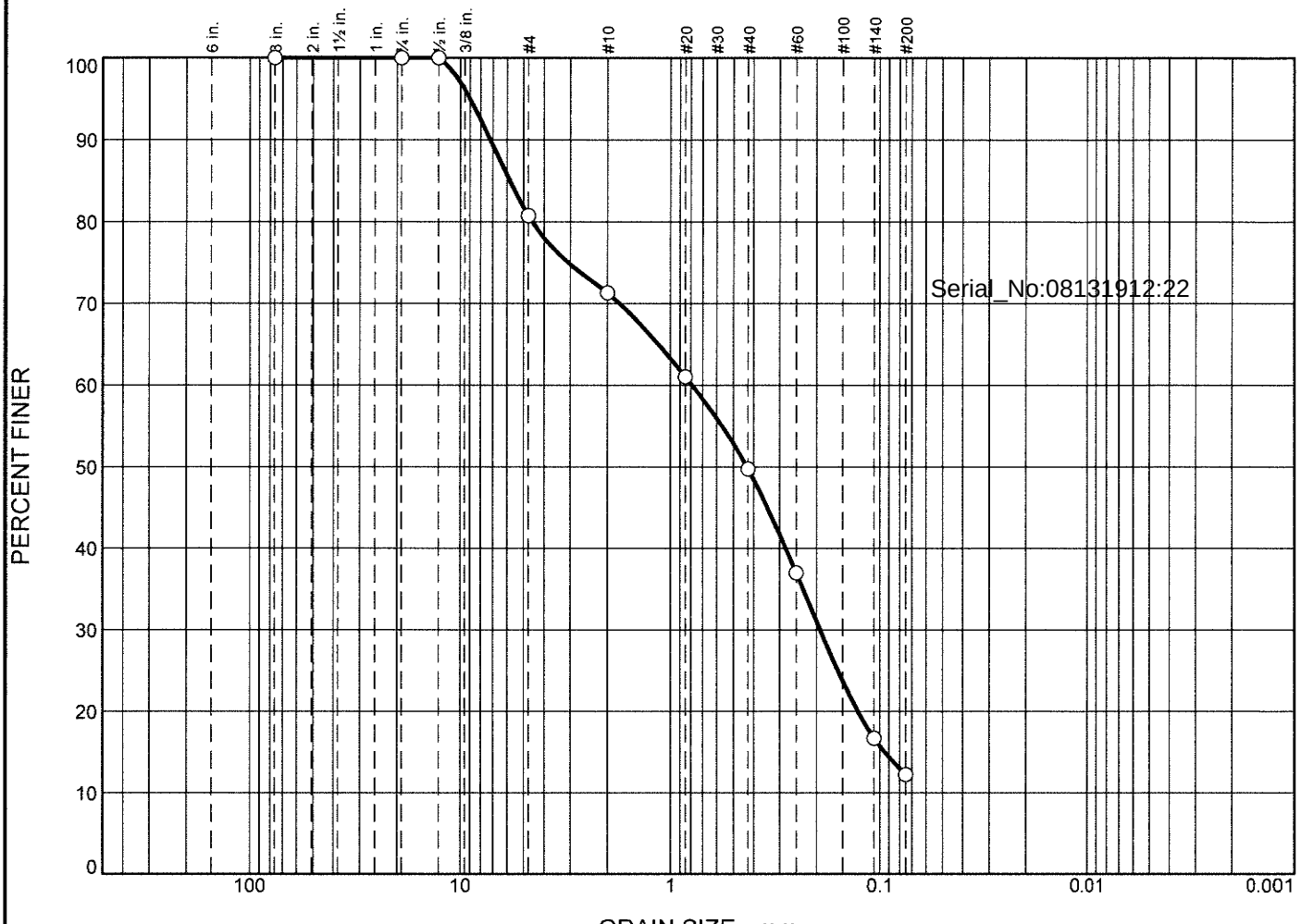
Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	16.9	16.9	7.6	15.1	47.3	70.0			13.1

D_5	D_{10}	D_{15}	D_{20}	D_{30}	D_{40}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
		0.0866	0.1209	0.1891	0.2527	0.3186	0.4189	3.5588	5.3366	6.8681	8.7818

Fineness Modulus
2.42

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	19.2	9.5	21.6	37.5	12.2	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				5.8174	0.7885	0.4304	0.1921	0.0945			

	Material Description	USCS	AASHTO
○			

Project No. **Client:**

Project:

○ **Source of Sample:** SB19-73 (25-27) **Sample Number:** WG1267942-1

Date: ○

Alpha Analytical

Mansfield, MA

Remarks:

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

8/6/2019

Location: SB19-73 (25-27)

Sample Number: WG1267942-1

Sieve Test Data

Post #200 Wash Test Weights (grams): **Dry Sample and Tare =** 93.24
Tare Wt. = 0.00
Minus #200 from wash = 0.0%

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer
93.24	0.00	3	0.00	0.00	100.0
		0.75	0.00	0.00	100.0
		0.50	0.00	0.00	100.0
		#4	17.94	0.00	80.8
		#10	8.82	0.00	71.3
		#20	9.56	0.00	61.0
		#40	10.54	0.00	49.7
		#60	11.89	0.00	37.0
		#140	18.93	0.00	16.7
		#200	4.17	0.00	12.2

Serial_No:08131912:22

Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.0	0.0	19.2	19.2	9.5	21.6	37.5	68.6			12.2

D_5	D_{10}	D_{15}	D_{20}	D_{30}	D_{40}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
		0.0945	0.1267	0.1921	0.2806	0.4304	0.7885	4.5515	5.8174	7.1919	8.9920

Fineness Modulus
2.64

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

CHAIN OF CUSTODY

PAGE ____ OF ____

Date Rec'd in Lab: 7/30/19

ALPHA Job #: L1933911

ALPHA Analytical
8 Walkup Drive, Westboro, MA 01581, Tel: 508-898-9220
320 Forbes Blvd, Mansfield, MA 02048, Tel: 508-822-9300

Client Information

Client: Weston & Sampson

Address: 100 Shattuck Rd
Andover, MA

Phone: 978 482 7838

Email: kelich@wseinc.com
sullivanje@wseinc.com

Project Information

Project Name: Salem Former MGP

Project Location: Salem, NH

Project #: 0231841

Project Manager: Jarrod Yoder

ALPHA Quote #:

Report Information - Data Deliverables

☒ ADEx ☒ EMAIL

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements & Project Information Requirements

☐ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods
☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
☐ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)
☐ Yes ☐ No NPDES RGP
☐ Other State /Fed Program _____ Criteria _____

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due:

Additional Project Information:

ANALYSIS: VOC: ☒ 8260 ☐ 624 ☐ 524.2 | SVOC: ☐ ABN ☐ PAH | METALS: ☐ MCP 13 ☐ MCP 14 ☐ RCP 15 | METALS: ☐ RCRA5 ☐ RCRA8 ☐ PP13 | EPH: ☐ Ranges & Targets ☐ Ranges Only | VPH: ☐ Ranges & Targets ☐ Ranges Only | ☐ PCB ☐ PEST | TPH: ☐ Quant Only ☐ Fingerprint | 0/D Sil. gel | TCL | 6 mm Sieve

SAMPLE INFO
Filtration ☐ Field ☐ Lab to do
Preservation ☐ Lab to do

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	VOC	Fingerprint	0/D Sil. gel	TCL	6 mm Sieve	Sample Comments	TOTAL # BOTTLES
33911-01	SB19-71 (17-19)	7/29/19	855	S	ACS	3	1					4
-02	SB19-72 (12.25-14.5)		1015	S	ACS	3	1					4
-03	SB19-73 (25-27)		1300	S	ACS	3	1	1	1			6
-04	SB19-73 (5-7.25)		1310	S	ACS	3	1					4
-05	SB19-74 (12.25-14.5)		1510	S	ACS	3	1					4
		~~7/29/19~~										
-06	Trip Blank	7/8/19	947	~~Wt~~	—	2						2

Container Type	V							P	A	B		
Preservative	F,D							A	A	A		

Container Type
P= Plastic
A= Amber glass
V= Vial
G= Glass
B= Bacteria cup
C= Cube
O= Other
E= Encore
D= BOD Bottle

Preservative
A= None
B= HCl
C= HNO_3
D= H_2SO_4
E= NaOH
F= MeOH
G= $NaHSO_4$
H = $Na_2S_2O_3$
I= Ascorbic Acid
J = NH_4Cl
K= Zn Acetate
O= Other

Relinquished By:	Date/Time	Received By:	Date/Time
	7/30/19 1742	AAL	7/30 1742
AAL	7/30 1845		7/30 1875

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev 12-Mar-2012)

ANALYTICAL REPORT

Lab Number:	L1934377
Client:	Woodard & Curran 40 Shattuck Road Suite 110 Andover, MA 01810
ATTN:	Jarrod Yoder
Phone:	(978) 557-8150
Project Name:	SALEM FORMER WWTF
Project Number:	0231841
Report Date:	08/08/19

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1934377
Report Date: 08/08/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1934377-01	SB19-75 (5-7.5)	SOIL	SALEM, NH	07/31/19 09:50	08/01/19
L1934377-02	SB19-75 (28-30)	SOIL	SALEM, NH	07/31/19 10:30	08/01/19
L1934377-03	SB19-76 (15-17.5)	SOIL	SALEM, NH	07/31/19 11:40	08/01/19
L1934377-04	SB19-76 (20-22.25)	SOIL	SALEM, NH	07/31/19 11:45	08/01/19
L1934377-05	SB19-77 (15-17.5)	SOIL	SALEM, NH	07/31/19 13:15	08/01/19
L1934377-06	SB19-78 (17.5-20)	SOIL	SALEM, NH	07/31/19 15:00	08/01/19
L1934377-07	TRIP BLANK	SOIL	SALEM, NH	07/19/19 00:00	08/01/19

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1934377
Project Number:	0231841	**Report Date:**	08/08/19

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1934377
Project Number:	0231841	**Report Date:**	08/08/19

Case Narrative (continued)

Volatile Organics

L1934377-01: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (149%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

L1934377-07 (Low Level): The Trip Blank has a result for toluene present above the reporting limit. The sample was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential for carry over.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 08/08/19

ORGANICS

VOLATILES

Project Name: SALEM FORMER WWTF **Lab Number:** L1934377

Project Number: 0231841 **Report Date:** 08/08/19

SAMPLE RESULTS

Lab ID: L1934377-01
Client ID: SB19-75 (5-7.5)
Sample Location: SALEM, NH

Date Collected: 07/31/19 09:50
Date Received: 08/01/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/07/19 13:55
Analyst: MKS
Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.7	--	1
1,1-Dichloroethane	ND		ug/kg	0.73	--	1
Chloroform	ND		ug/kg	1.1	--	1
Carbon tetrachloride	ND		ug/kg	0.73	--	1
1,2-Dichloropropane	ND		ug/kg	0.73	--	1
Dibromochloromethane	ND		ug/kg	0.73	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.73	--	1
Tetrachloroethene	1.2		ug/kg	0.37	--	1
Chlorobenzene	ND		ug/kg	0.37	--	1
Trichlorofluoromethane	ND		ug/kg	2.9	--	1
1,2-Dichloroethane	ND		ug/kg	0.73	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.37	--	1
Bromodichloromethane	ND		ug/kg	0.37	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.73	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.37	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.37	--	1
1,1-Dichloropropene	ND		ug/kg	0.37	--	1
Bromoform	ND		ug/kg	2.9	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.37	--	1
Benzene	ND		ug/kg	0.37	--	1
Toluene	ND		ug/kg	0.73	--	1
Ethylbenzene	ND		ug/kg	0.73	--	1
Chloromethane	ND		ug/kg	2.9	--	1
Bromomethane	ND		ug/kg	1.5	--	1
Vinyl chloride	ND		ug/kg	0.73	--	1
Chloroethane	ND		ug/kg	1.5	--	1
1,1-Dichloroethene	ND		ug/kg	0.73	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.1	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1934377

Project Number: 0231841 **Report Date:** 08/08/19

SAMPLE RESULTS

Lab ID: L1934377-01 Date Collected: 07/31/19 09:50

Client ID: SB19-75 (5-7.5) Date Received: 08/01/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.37	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.5	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.5	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.5	--	1
Methyl tert butyl ether	ND		ug/kg	1.5	--	1
p/m-Xylene	ND		ug/kg	1.5	--	1
o-Xylene	ND		ug/kg	0.73	--	1
Xylenes, Total	ND		ug/kg	0.73	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.73	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.73	--	1
Dibromomethane	ND		ug/kg	1.5	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.5	--	1
Styrene	ND		ug/kg	0.73	--	1
Dichlorodifluoromethane	ND		ug/kg	7.3	--	1
Acetone	9.8		ug/kg	7.3	--	1
Carbon disulfide	ND		ug/kg	7.3	--	1
2-Butanone	ND		ug/kg	7.3	--	1
4-Methyl-2-pentanone	ND		ug/kg	7.3	--	1
2-Hexanone	ND		ug/kg	7.3	--	1
Bromochloromethane	ND		ug/kg	1.5	--	1
Tetrahydrofuran	ND		ug/kg	2.9	--	1
2,2-Dichloropropane	ND		ug/kg	1.5	--	1
1,2-Dibromoethane	ND		ug/kg	0.73	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.37	--	1
Bromobenzene	ND		ug/kg	1.5	--	1
n-Butylbenzene	ND		ug/kg	0.73	--	1
sec-Butylbenzene	ND		ug/kg	0.73	--	1
tert-Butylbenzene	ND		ug/kg	1.5	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.5	--	1
o-Chlorotoluene	ND		ug/kg	1.5	--	1
p-Chlorotoluene	ND		ug/kg	1.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.2	--	1
Hexachlorobutadiene	ND		ug/kg	2.9	--	1
Isopropylbenzene	ND		ug/kg	0.73	--	1
p-Isopropyltoluene	ND		ug/kg	0.73	--	1
Naphthalene	ND		ug/kg	2.9	--	1
n-Propylbenzene	ND		ug/kg	0.73	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1934377

Project Number: 0231841 **Report Date:** 08/08/19

SAMPLE RESULTS

Lab ID: L1934377-01 Date Collected: 07/31/19 09:50

Client ID: SB19-75 (5-7.5) Date Received: 08/01/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.5	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.5	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.5	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.5	--	1
Ethyl ether	ND		ug/kg	1.5	--	1
Isopropyl Ether	ND		ug/kg	1.5	--	1
Tert-Butyl Alcohol	15		ug/kg	15	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.5	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.5	--	1
1,4-Dioxane	ND		ug/kg	59	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	**149**	Q	70-130
Dibromofluoromethane	89		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1934377

Project Number: 0231841 **Report Date:** 08/08/19

SAMPLE RESULTS

Lab ID: L1934377-02
Client ID: SB19-75 (28-30)
Sample Location: SALEM, NH

Date Collected: 07/31/19 10:30
Date Received: 08/01/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/07/19 14:21
Analyst: MKS
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.5	--	1
1,1-Dichloroethane	ND		ug/kg	0.71	--	1
Chloroform	ND		ug/kg	1.1	--	1
Carbon tetrachloride	ND		ug/kg	0.71	--	1
1,2-Dichloropropane	ND		ug/kg	0.71	--	1
Dibromochloromethane	ND		ug/kg	0.71	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.71	--	1
Tetrachloroethene	ND		ug/kg	0.35	--	1
Chlorobenzene	ND		ug/kg	0.35	--	1
Trichlorofluoromethane	ND		ug/kg	2.8	--	1
1,2-Dichloroethane	ND		ug/kg	0.71	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.35	--	1
Bromodichloromethane	ND		ug/kg	0.35	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.71	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.35	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.35	--	1
1,1-Dichloropropene	ND		ug/kg	0.35	--	1
Bromoform	ND		ug/kg	2.8	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.35	--	1
Benzene	ND		ug/kg	0.35	--	1
Toluene	ND		ug/kg	0.71	--	1
Ethylbenzene	ND		ug/kg	0.71	--	1
Chloromethane	ND		ug/kg	2.8	--	1
Bromomethane	ND		ug/kg	1.4	--	1
Vinyl chloride	ND		ug/kg	0.71	--	1
Chloroethane	ND		ug/kg	1.4	--	1
1,1-Dichloroethene	ND		ug/kg	0.71	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.1	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1934377

Project Number: 0231841 **Report Date:** 08/08/19

SAMPLE RESULTS

Lab ID: L1934377-02 Date Collected: 07/31/19 10:30

Client ID: SB19-75 (28-30) Date Received: 08/01/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.44		ug/kg	0.35	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.4	--	1
Methyl tert butyl ether	ND		ug/kg	1.4	--	1
p/m-Xylene	ND		ug/kg	1.4	--	1
o-Xylene	ND		ug/kg	0.71	--	1
Xylenes, Total	ND		ug/kg	0.71	--	1
cis-1,2-Dichloroethene	1.3		ug/kg	0.71	--	1
1,2-Dichloroethene, Total	1.3		ug/kg	0.71	--	1
Dibromomethane	ND		ug/kg	1.4	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.4	--	1
Styrene	ND		ug/kg	0.71	--	1
Dichlorodifluoromethane	ND		ug/kg	7.1	--	1
Acetone	8.1		ug/kg	7.1	--	1
Carbon disulfide	ND		ug/kg	7.1	--	1
2-Butanone	ND		ug/kg	7.1	--	1
4-Methyl-2-pentanone	ND		ug/kg	7.1	--	1
2-Hexanone	ND		ug/kg	7.1	--	1
Bromochloromethane	ND		ug/kg	1.4	--	1
Tetrahydrofuran	ND		ug/kg	2.8	--	1
2,2-Dichloropropane	ND		ug/kg	1.4	--	1
1,2-Dibromoethane	ND		ug/kg	0.71	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.35	--	1
Bromobenzene	ND		ug/kg	1.4	--	1
n-Butylbenzene	ND		ug/kg	0.71	--	1
sec-Butylbenzene	ND		ug/kg	0.71	--	1
tert-Butylbenzene	ND		ug/kg	1.4	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.4	--	1
o-Chlorotoluene	ND		ug/kg	1.4	--	1
p-Chlorotoluene	ND		ug/kg	1.4	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.1	--	1
Hexachlorobutadiene	ND		ug/kg	2.8	--	1
Isopropylbenzene	ND		ug/kg	0.71	--	1
p-Isopropyltoluene	ND		ug/kg	0.71	--	1
Naphthalene	ND		ug/kg	2.8	--	1
n-Propylbenzene	ND		ug/kg	0.71	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1934377

Project Number: 0231841 **Report Date:** 08/08/19

SAMPLE RESULTS

Lab ID: L1934377-02 Date Collected: 07/31/19 10:30

Client ID: SB19-75 (28-30) Date Received: 08/01/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.4	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.4	--	1
Ethyl ether	ND		ug/kg	1.4	--	1
Isopropyl Ether	ND		ug/kg	1.4	--	1
Tert-Butyl Alcohol	ND		ug/kg	14	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.4	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.4	--	1
1,4-Dioxane	ND		ug/kg	56	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	90		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1934377

Project Number: 0231841 **Report Date:** 08/08/19

SAMPLE RESULTS

Lab ID: L1934377-03 Date Collected: 07/31/19 11:40
Client ID: SB19-76 (15-17.5) Date Received: 08/01/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/08/19 11:42
Analyst: NLK
Percent Solids: 72%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.1	--	1
1,1-Dichloroethane	2.2		ug/kg	0.82	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.82	--	1
1,2-Dichloropropane	ND		ug/kg	0.82	--	1
Dibromochloromethane	ND		ug/kg	0.82	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.82	--	1
Tetrachloroethene	ND		ug/kg	0.41	--	1
Chlorobenzene	ND		ug/kg	0.41	--	1
Trichlorofluoromethane	ND		ug/kg	3.3	--	1
1,2-Dichloroethane	ND		ug/kg	0.82	--	1
1,1,1-Trichloroethane	1.1		ug/kg	0.41	--	1
Bromodichloromethane	ND		ug/kg	0.41	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.82	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.41	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.41	--	1
1,1-Dichloropropene	ND		ug/kg	0.41	--	1
Bromoform	ND		ug/kg	3.3	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.41	--	1
Benzene	ND		ug/kg	0.41	--	1
Toluene	ND		ug/kg	0.82	--	1
Ethylbenzene	ND		ug/kg	0.82	--	1
Chloromethane	ND		ug/kg	3.3	--	1
Bromomethane	ND		ug/kg	1.6	--	1
Vinyl chloride	ND		ug/kg	0.82	--	1
Chloroethane	ND		ug/kg	1.6	--	1
1,1-Dichloroethene	ND		ug/kg	0.82	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1934377

Project Number: 0231841 **Report Date:** 08/08/19

SAMPLE RESULTS

Lab ID: L1934377-03 Date Collected: 07/31/19 11:40

Client ID: SB19-76 (15-17.5) Date Received: 08/01/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	28		ug/kg	0.41	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.6	--	1
Methyl tert butyl ether	ND		ug/kg	1.6	--	1
p/m-Xylene	ND		ug/kg	1.6	--	1
o-Xylene	ND		ug/kg	0.82	--	1
Xylenes, Total	ND		ug/kg	0.82	--	1
cis-1,2-Dichloroethene	64		ug/kg	0.82	--	1
1,2-Dichloroethene, Total	64		ug/kg	0.82	--	1
Dibromomethane	ND		ug/kg	1.6	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.6	--	1
Styrene	ND		ug/kg	0.82	--	1
Dichlorodifluoromethane	ND		ug/kg	8.2	--	1
Acetone	ND		ug/kg	8.2	--	1
Carbon disulfide	ND		ug/kg	8.2	--	1
2-Butanone	ND		ug/kg	8.2	--	1
4-Methyl-2-pentanone	ND		ug/kg	8.2	--	1
2-Hexanone	ND		ug/kg	8.2	--	1
Bromochloromethane	ND		ug/kg	1.6	--	1
Tetrahydrofuran	ND		ug/kg	3.3	--	1
2,2-Dichloropropane	ND		ug/kg	1.6	--	1
1,2-Dibromoethane	ND		ug/kg	0.82	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.41	--	1
Bromobenzene	ND		ug/kg	1.6	--	1
n-Butylbenzene	ND		ug/kg	0.82	--	1
sec-Butylbenzene	ND		ug/kg	0.82	--	1
tert-Butylbenzene	ND		ug/kg	1.6	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.6	--	1
o-Chlorotoluene	ND		ug/kg	1.6	--	1
p-Chlorotoluene	ND		ug/kg	1.6	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.4	--	1
Hexachlorobutadiene	ND		ug/kg	3.3	--	1
Isopropylbenzene	ND		ug/kg	0.82	--	1
p-Isopropyltoluene	ND		ug/kg	0.82	--	1
Naphthalene	ND		ug/kg	3.3	--	1
n-Propylbenzene	ND		ug/kg	0.82	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1934377

Project Number: 0231841 **Report Date:** 08/08/19

SAMPLE RESULTS

Lab ID: L1934377-03 Date Collected: 07/31/19 11:40

Client ID: SB19-76 (15-17.5) Date Received: 08/01/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.6	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.6	--	1
Ethyl ether	ND		ug/kg	1.6	--	1
Isopropyl Ether	ND		ug/kg	1.6	--	1
Tert-Butyl Alcohol	ND		ug/kg	16	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.6	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.6	--	1
1,4-Dioxane	ND		ug/kg	65	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	92		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1934377

Project Number: 0231841 **Report Date:** 08/08/19

SAMPLE RESULTS

Lab ID: L1934377-04 Date Collected: 07/31/19 11:45
Client ID: SB19-76 (20-22.25) Date Received: 08/01/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/07/19 14:47
Analyst: MKS
Percent Solids: 73%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.1	--	1
1,1-Dichloroethane	1.0		ug/kg	0.62	--	1
Chloroform	ND		ug/kg	0.93	--	1
Carbon tetrachloride	ND		ug/kg	0.62	--	1
1,2-Dichloropropane	ND		ug/kg	0.62	--	1
Dibromochloromethane	ND		ug/kg	0.62	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.62	--	1
Tetrachloroethene	ND		ug/kg	0.31	--	1
Chlorobenzene	ND		ug/kg	0.31	--	1
Trichlorofluoromethane	ND		ug/kg	2.5	--	1
1,2-Dichloroethane	ND		ug/kg	0.62	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.31	--	1
Bromodichloromethane	ND		ug/kg	0.31	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.62	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.31	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.31	--	1
1,1-Dichloropropene	ND		ug/kg	0.31	--	1
Bromoform	ND		ug/kg	2.5	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.31	--	1
Benzene	ND		ug/kg	0.31	--	1
Toluene	ND		ug/kg	0.62	--	1
Ethylbenzene	ND		ug/kg	0.62	--	1
Chloromethane	ND		ug/kg	2.5	--	1
Bromomethane	ND		ug/kg	1.2	--	1
Vinyl chloride	ND		ug/kg	0.62	--	1
Chloroethane	ND		ug/kg	1.2	--	1
1,1-Dichloroethene	ND		ug/kg	0.62	--	1
trans-1,2-Dichloroethene	ND		ug/kg	0.93	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1934377

Project Number: 0231841 **Report Date:** 08/08/19

SAMPLE RESULTS

Lab ID: L1934377-04 Date Collected: 07/31/19 11:45

Client ID: SB19-76 (20-22.25) Date Received: 08/01/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	2.2		ug/kg	0.31	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.2	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.2	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.2	--	1
Methyl tert butyl ether	ND		ug/kg	1.2	--	1
p/m-Xylene	ND		ug/kg	1.2	--	1
o-Xylene	ND		ug/kg	0.62	--	1
Xylenes, Total	ND		ug/kg	0.62	--	1
cis-1,2-Dichloroethene	110		ug/kg	0.62	--	1
1,2-Dichloroethene, Total	110		ug/kg	0.62	--	1
Dibromomethane	ND		ug/kg	1.2	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.2	--	1
Styrene	ND		ug/kg	0.62	--	1
Dichlorodifluoromethane	ND		ug/kg	6.2	--	1
Acetone	13		ug/kg	6.2	--	1
Carbon disulfide	ND		ug/kg	6.2	--	1
2-Butanone	ND		ug/kg	6.2	--	1
4-Methyl-2-pentanone	ND		ug/kg	6.2	--	1
2-Hexanone	ND		ug/kg	6.2	--	1
Bromochloromethane	ND		ug/kg	1.2	--	1
Tetrahydrofuran	ND		ug/kg	2.5	--	1
2,2-Dichloropropane	ND		ug/kg	1.2	--	1
1,2-Dibromoethane	ND		ug/kg	0.62	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.31	--	1
Bromobenzene	ND		ug/kg	1.2	--	1
n-Butylbenzene	ND		ug/kg	0.62	--	1
sec-Butylbenzene	ND		ug/kg	0.62	--	1
tert-Butylbenzene	ND		ug/kg	1.2	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	1.2	--	1
o-Chlorotoluene	ND		ug/kg	1.2	--	1
p-Chlorotoluene	ND		ug/kg	1.2	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	1.8	--	1
Hexachlorobutadiene	ND		ug/kg	2.5	--	1
Isopropylbenzene	ND		ug/kg	0.62	--	1
p-Isopropyltoluene	ND		ug/kg	0.62	--	1
Naphthalene	ND		ug/kg	2.5	--	1
n-Propylbenzene	ND		ug/kg	0.62	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1934377

Project Number: 0231841 **Report Date:** 08/08/19

SAMPLE RESULTS

Lab ID: L1934377-04 Date Collected: 07/31/19 11:45

Client ID: SB19-76 (20-22.25) Date Received: 08/01/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.2	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.2	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.2	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.2	--	1
Ethyl ether	ND		ug/kg	1.2	--	1
Isopropyl Ether	ND		ug/kg	1.2	--	1
Tert-Butyl Alcohol	ND		ug/kg	12	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.2	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.2	--	1
1,4-Dioxane	ND		ug/kg	50	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	113		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	88		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1934377

Project Number: 0231841 **Report Date:** 08/08/19

SAMPLE RESULTS

Lab ID: L1934377-05 Date Collected: 07/31/19 13:15
Client ID: SB19-77 (15-17.5) Date Received: 08/01/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/07/19 15:13
Analyst: MKS
Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	670	--	1
1,1-Dichloroethane	140		ug/kg	130	--	1
Chloroform	ND		ug/kg	200	--	1
Carbon tetrachloride	ND		ug/kg	130	--	1
1,2-Dichloropropane	ND		ug/kg	130	--	1
Dibromochloromethane	ND		ug/kg	130	--	1
1,1,2-Trichloroethane	ND		ug/kg	130	--	1
Tetrachloroethene	ND		ug/kg	67	--	1
Chlorobenzene	ND		ug/kg	67	--	1
Trichlorofluoromethane	ND		ug/kg	540	--	1
1,2-Dichloroethane	ND		ug/kg	130	--	1
1,1,1-Trichloroethane	250		ug/kg	67	--	1
Bromodichloromethane	ND		ug/kg	67	--	1
trans-1,3-Dichloropropene	ND		ug/kg	130	--	1
cis-1,3-Dichloropropene	ND		ug/kg	67	--	1
1,3-Dichloropropene, Total	ND		ug/kg	67	--	1
1,1-Dichloropropene	ND		ug/kg	67	--	1
Bromoform	ND		ug/kg	540	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	67	--	1
Benzene	ND		ug/kg	67	--	1
Toluene	170		ug/kg	130	--	1
Ethylbenzene	ND		ug/kg	130	--	1
Chloromethane	ND		ug/kg	540	--	1
Bromomethane	ND		ug/kg	270	--	1
Vinyl chloride	760		ug/kg	130	--	1
Chloroethane	ND		ug/kg	270	--	1
1,1-Dichloroethene	ND		ug/kg	130	--	1
trans-1,2-Dichloroethene	ND		ug/kg	200	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1934377

Project Number: 0231841 **Report Date:** 08/08/19

SAMPLE RESULTS

Lab ID: L1934377-05 Date Collected: 07/31/19 13:15

Client ID: SB19-77 (15-17.5) Date Received: 08/01/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	67	--	1
1,2-Dichlorobenzene	ND		ug/kg	270	--	1
1,3-Dichlorobenzene	ND		ug/kg	270	--	1
1,4-Dichlorobenzene	ND		ug/kg	270	--	1
Methyl tert butyl ether	ND		ug/kg	270	--	1
p/m-Xylene	ND		ug/kg	270	--	1
o-Xylene	ND		ug/kg	130	--	1
Xylenes, Total	ND		ug/kg	130	--	1
cis-1,2-Dichloroethene	10000		ug/kg	130	--	1
1,2-Dichloroethene, Total	10000		ug/kg	130	--	1
Dibromomethane	ND		ug/kg	270	--	1
1,2,3-Trichloropropane	ND		ug/kg	270	--	1
Styrene	ND		ug/kg	130	--	1
Dichlorodifluoromethane	ND		ug/kg	1300	--	1
Acetone	ND		ug/kg	1300	--	1
Carbon disulfide	ND		ug/kg	1300	--	1
2-Butanone	ND		ug/kg	1300	--	1
4-Methyl-2-pentanone	ND		ug/kg	1300	--	1
2-Hexanone	ND		ug/kg	1300	--	1
Bromochloromethane	ND		ug/kg	270	--	1
Tetrahydrofuran	ND		ug/kg	540	--	1
2,2-Dichloropropane	ND		ug/kg	270	--	1
1,2-Dibromoethane	ND		ug/kg	130	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	67	--	1
Bromobenzene	ND		ug/kg	270	--	1
n-Butylbenzene	ND		ug/kg	130	--	1
sec-Butylbenzene	ND		ug/kg	130	--	1
tert-Butylbenzene	ND		ug/kg	270	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	270	--	1
o-Chlorotoluene	ND		ug/kg	270	--	1
p-Chlorotoluene	ND		ug/kg	270	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	400	--	1
Hexachlorobutadiene	ND		ug/kg	540	--	1
Isopropylbenzene	ND		ug/kg	130	--	1
p-Isopropyltoluene	ND		ug/kg	130	--	1
Naphthalene	ND		ug/kg	540	--	1
n-Propylbenzene	ND		ug/kg	130	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1934377

Project Number: 0231841 **Report Date:** 08/08/19

SAMPLE RESULTS

Lab ID: L1934377-05 Date Collected: 07/31/19 13:15

Client ID: SB19-77 (15-17.5) Date Received: 08/01/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	270	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	270	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	270	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	270	--	1
Ethyl ether	ND		ug/kg	270	--	1
Isopropyl Ether	ND		ug/kg	270	--	1
Tert-Butyl Alcohol	ND		ug/kg	2700	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	270	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	270	--	1
1,4-Dioxane	ND		ug/kg	11000	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	90		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1934377

Project Number: 0231841 **Report Date:** 08/08/19

SAMPLE RESULTS

Lab ID: L1934377-06 Date Collected: 07/31/19 15:00
Client ID: SB19-78 (17.5-20) Date Received: 08/01/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/07/19 16:05
Analyst: MKS
Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	710	--	1
1,1-Dichloroethane	ND		ug/kg	140	--	1
Chloroform	ND		ug/kg	210	--	1
Carbon tetrachloride	ND		ug/kg	140	--	1
1,2-Dichloropropane	ND		ug/kg	140	--	1
Dibromochloromethane	ND		ug/kg	140	--	1
1,1,2-Trichloroethane	ND		ug/kg	140	--	1
Tetrachloroethene	ND		ug/kg	71	--	1
Chlorobenzene	ND		ug/kg	71	--	1
Trichlorofluoromethane	ND		ug/kg	570	--	1
1,2-Dichloroethane	ND		ug/kg	140	--	1
1,1,1-Trichloroethane	ND		ug/kg	71	--	1
Bromodichloromethane	ND		ug/kg	71	--	1
trans-1,3-Dichloropropene	ND		ug/kg	140	--	1
cis-1,3-Dichloropropene	ND		ug/kg	71	--	1
1,3-Dichloropropene, Total	ND		ug/kg	71	--	1
1,1-Dichloropropene	ND		ug/kg	71	--	1
Bromoform	ND		ug/kg	570	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	71	--	1
Benzene	ND		ug/kg	71	--	1
Toluene	ND		ug/kg	140	--	1
Ethylbenzene	ND		ug/kg	140	--	1
Chloromethane	ND		ug/kg	570	--	1
Bromomethane	ND		ug/kg	280	--	1
Vinyl chloride	ND		ug/kg	140	--	1
Chloroethane	ND		ug/kg	280	--	1
1,1-Dichloroethene	ND		ug/kg	140	--	1
trans-1,2-Dichloroethene	ND		ug/kg	210	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1934377

Project Number: 0231841 **Report Date:** 08/08/19

SAMPLE RESULTS

Lab ID: L1934377-06 Date Collected: 07/31/19 15:00

Client ID: SB19-78 (17.5-20) Date Received: 08/01/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	71	--	1
1,2-Dichlorobenzene	ND		ug/kg	280	--	1
1,3-Dichlorobenzene	ND		ug/kg	280	--	1
1,4-Dichlorobenzene	ND		ug/kg	280	--	1
Methyl tert butyl ether	ND		ug/kg	280	--	1
p/m-Xylene	ND		ug/kg	280	--	1
o-Xylene	ND		ug/kg	140	--	1
Xylenes, Total	ND		ug/kg	140	--	1
cis-1,2-Dichloroethene	1400		ug/kg	140	--	1
1,2-Dichloroethene, Total	1400		ug/kg	140	--	1
Dibromomethane	ND		ug/kg	280	--	1
1,2,3-Trichloropropane	ND		ug/kg	280	--	1
Styrene	ND		ug/kg	140	--	1
Dichlorodifluoromethane	ND		ug/kg	1400	--	1
Acetone	ND		ug/kg	1400	--	1
Carbon disulfide	ND		ug/kg	1400	--	1
2-Butanone	ND		ug/kg	1400	--	1
4-Methyl-2-pentanone	ND		ug/kg	1400	--	1
2-Hexanone	ND		ug/kg	1400	--	1
Bromochloromethane	ND		ug/kg	280	--	1
Tetrahydrofuran	ND		ug/kg	570	--	1
2,2-Dichloropropane	ND		ug/kg	280	--	1
1,2-Dibromoethane	ND		ug/kg	140	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	71	--	1
Bromobenzene	ND		ug/kg	280	--	1
n-Butylbenzene	ND		ug/kg	140	--	1
sec-Butylbenzene	ND		ug/kg	140	--	1
tert-Butylbenzene	ND		ug/kg	280	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	280	--	1
o-Chlorotoluene	ND		ug/kg	280	--	1
p-Chlorotoluene	ND		ug/kg	280	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	430	--	1
Hexachlorobutadiene	ND		ug/kg	570	--	1
Isopropylbenzene	ND		ug/kg	140	--	1
p-Isopropyltoluene	ND		ug/kg	140	--	1
Naphthalene	ND		ug/kg	570	--	1
n-Propylbenzene	ND		ug/kg	140	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1934377

Project Number: 0231841 **Report Date:** 08/08/19

SAMPLE RESULTS

Lab ID: L1934377-06 Date Collected: 07/31/19 15:00

Client ID: SB19-78 (17.5-20) Date Received: 08/01/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	280	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	280	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	280	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	280	--	1
Ethyl ether	ND		ug/kg	280	--	1
Isopropyl Ether	ND		ug/kg	280	--	1
Tert-Butyl Alcohol	ND		ug/kg	2800	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	280	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	280	--	1
1,4-Dioxane	ND		ug/kg	11000	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	90		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1934377

Project Number: 0231841 **Report Date:** 08/08/19

SAMPLE RESULTS

Lab ID: L1934377-07 Date Collected: 07/19/19 00:00
Client ID: TRIP BLANK Date Received: 08/01/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/07/19 13:04
Analyst: NLK
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	--	1
1,1-Dichloroethane	ND		ug/kg	1.0	--	1
Chloroform	ND		ug/kg	1.5	--	1
Carbon tetrachloride	ND		ug/kg	1.0	--	1
1,2-Dichloropropane	ND		ug/kg	1.0	--	1
Dibromochloromethane	ND		ug/kg	1.0	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	--	1
Tetrachloroethene	ND		ug/kg	0.50	--	1
Chlorobenzene	ND		ug/kg	0.50	--	1
Trichlorofluoromethane	ND		ug/kg	4.0	--	1
1,2-Dichloroethane	ND		ug/kg	1.0	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	--	1
Bromodichloromethane	ND		ug/kg	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--	1
1,1-Dichloropropene	ND		ug/kg	0.50	--	1
Bromoform	ND		ug/kg	4.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--	1
Benzene	ND		ug/kg	0.50	--	1
Toluene	1.1		ug/kg	1.0	--	1
Ethylbenzene	ND		ug/kg	1.0	--	1
Chloromethane	ND		ug/kg	4.0	--	1
Bromomethane	ND		ug/kg	2.0	--	1
Vinyl chloride	ND		ug/kg	1.0	--	1
Chloroethane	ND		ug/kg	2.0	--	1
1,1-Dichloroethene	ND		ug/kg	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1934377

Project Number: 0231841 **Report Date:** 08/08/19

SAMPLE RESULTS

Lab ID: L1934377-07 Date Collected: 07/19/19 00:00

Client ID: TRIP BLANK Date Received: 08/01/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.50	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	--	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	--	1
Methyl tert butyl ether	ND		ug/kg	2.0	--	1
p/m-Xylene	ND		ug/kg	2.0	--	1
o-Xylene	ND		ug/kg	1.0	--	1
Xylenes, Total	ND		ug/kg	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--	1
Dibromomethane	ND		ug/kg	2.0	--	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	--	1
Styrene	ND		ug/kg	1.0	--	1
Dichlorodifluoromethane	ND		ug/kg	10	--	1
Acetone	ND		ug/kg	10	--	1
Carbon disulfide	ND		ug/kg	10	--	1
2-Butanone	ND		ug/kg	10	--	1
4-Methyl-2-pentanone	ND		ug/kg	10	--	1
2-Hexanone	ND		ug/kg	10	--	1
Bromochloromethane	ND		ug/kg	2.0	--	1
Tetrahydrofuran	ND		ug/kg	4.0	--	1
2,2-Dichloropropane	ND		ug/kg	2.0	--	1
1,2-Dibromoethane	ND		ug/kg	1.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--	1
Bromobenzene	ND		ug/kg	2.0	--	1
n-Butylbenzene	ND		ug/kg	1.0	--	1
sec-Butylbenzene	ND		ug/kg	1.0	--	1
tert-Butylbenzene	ND		ug/kg	2.0	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	2.0	--	1
o-Chlorotoluene	ND		ug/kg	2.0	--	1
p-Chlorotoluene	ND		ug/kg	2.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--	1
Hexachlorobutadiene	ND		ug/kg	4.0	--	1
Isopropylbenzene	ND		ug/kg	1.0	--	1
p-Isopropyltoluene	ND		ug/kg	1.0	--	1
Naphthalene	ND		ug/kg	4.0	--	1
n-Propylbenzene	ND		ug/kg	1.0	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1934377

Project Number: 0231841 **Report Date:** 08/08/19

SAMPLE RESULTS

Lab ID: L1934377-07 Date Collected: 07/19/19 00:00

Client ID: TRIP BLANK Date Received: 08/01/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--	1
Ethyl ether	ND		ug/kg	2.0	--	1
Isopropyl Ether	ND		ug/kg	2.0	--	1
Tert-Butyl Alcohol	ND		ug/kg	20	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--	1
1,4-Dioxane	ND		ug/kg	80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	91		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1934377

Project Number: 0231841 **Report Date:** 08/08/19

SAMPLE RESULTS

Lab ID: L1934377-07 Date Collected: 07/19/19 00:00
Client ID: TRIP BLANK Date Received: 08/01/19
Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/07/19 13:30
Analyst: NLK
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	250	--	1
1,1-Dichloroethane	ND		ug/kg	50	--	1
Chloroform	ND		ug/kg	75	--	1
Carbon tetrachloride	ND		ug/kg	50	--	1
1,2-Dichloropropane	ND		ug/kg	50	--	1
Dibromochloromethane	ND		ug/kg	50	--	1
1,1,2-Trichloroethane	ND		ug/kg	50	--	1
Tetrachloroethene	ND		ug/kg	25	--	1
Chlorobenzene	ND		ug/kg	25	--	1
Trichlorofluoromethane	ND		ug/kg	200	--	1
1,2-Dichloroethane	ND		ug/kg	50	--	1
1,1,1-Trichloroethane	ND		ug/kg	25	--	1
Bromodichloromethane	ND		ug/kg	25	--	1
trans-1,3-Dichloropropene	ND		ug/kg	50	--	1
cis-1,3-Dichloropropene	ND		ug/kg	25	--	1
1,3-Dichloropropene, Total	ND		ug/kg	25	--	1
1,1-Dichloropropene	ND		ug/kg	25	--	1
Bromoform	ND		ug/kg	200	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	--	1
Benzene	ND		ug/kg	25	--	1
Toluene	ND		ug/kg	50	--	1
Ethylbenzene	ND		ug/kg	50	--	1
Chloromethane	ND		ug/kg	200	--	1
Bromomethane	ND		ug/kg	100	--	1
Vinyl chloride	ND		ug/kg	50	--	1
Chloroethane	ND		ug/kg	100	--	1
1,1-Dichloroethene	ND		ug/kg	50	--	1
trans-1,2-Dichloroethene	ND		ug/kg	75	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1934377

Project Number: 0231841 **Report Date:** 08/08/19

SAMPLE RESULTS

Lab ID: L1934377-07 Date Collected: 07/19/19 00:00

Client ID: TRIP BLANK Date Received: 08/01/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	25	--	1
1,2-Dichlorobenzene	ND		ug/kg	100	--	1
1,3-Dichlorobenzene	ND		ug/kg	100	--	1
1,4-Dichlorobenzene	ND		ug/kg	100	--	1
Methyl tert butyl ether	ND		ug/kg	100	--	1
p/m-Xylene	ND		ug/kg	100	--	1
o-Xylene	ND		ug/kg	50	--	1
Xylenes, Total	ND		ug/kg	50	--	1
cis-1,2-Dichloroethene	ND		ug/kg	50	--	1
1,2-Dichloroethene, Total	ND		ug/kg	50	--	1
Dibromomethane	ND		ug/kg	100	--	1
1,2,3-Trichloropropane	ND		ug/kg	100	--	1
Styrene	ND		ug/kg	50	--	1
Dichlorodifluoromethane	ND		ug/kg	500	--	1
Acetone	ND		ug/kg	500	--	1
Carbon disulfide	ND		ug/kg	500	--	1
2-Butanone	ND		ug/kg	500	--	1
4-Methyl-2-pentanone	ND		ug/kg	500	--	1
2-Hexanone	ND		ug/kg	500	--	1
Bromochloromethane	ND		ug/kg	100	--	1
Tetrahydrofuran	ND		ug/kg	200	--	1
2,2-Dichloropropane	ND		ug/kg	100	--	1
1,2-Dibromoethane	ND		ug/kg	50	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	--	1
Bromobenzene	ND		ug/kg	100	--	1
n-Butylbenzene	ND		ug/kg	50	--	1
sec-Butylbenzene	ND		ug/kg	50	--	1
tert-Butylbenzene	ND		ug/kg	100	--	1
1,3,5-Trichlorobenzene	ND		ug/kg	100	--	1
o-Chlorotoluene	ND		ug/kg	100	--	1
p-Chlorotoluene	ND		ug/kg	100	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	--	1
Hexachlorobutadiene	ND		ug/kg	200	--	1
Isopropylbenzene	ND		ug/kg	50	--	1
p-Isopropyltoluene	ND		ug/kg	50	--	1
Naphthalene	ND		ug/kg	200	--	1
n-Propylbenzene	ND		ug/kg	50	--	1

Project Name: SALEM FORMER WWTF **Lab Number:** L1934377

Project Number: 0231841 **Report Date:** 08/08/19

SAMPLE RESULTS

Lab ID: L1934377-07 Date Collected: 07/19/19 00:00

Client ID: TRIP BLANK Date Received: 08/01/19

Sample Location: SALEM, NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	100	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	100	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	100	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	100	--	1
Ethyl ether	ND		ug/kg	100	--	1
Isopropyl Ether	ND		ug/kg	100	--	1
Tert-Butyl Alcohol	ND		ug/kg	1000	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	100	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	100	--	1
1,4-Dioxane	ND		ug/kg	4000	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	88		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1934377

Project Number: 0231841 **Report Date:** 08/08/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/07/19 07:05
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02,04,07 Batch: WG1269599-5					
Methylene chloride	ND		ug/kg	5.0	--
1,1-Dichloroethane	ND		ug/kg	1.0	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	1.0	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.0	--
Tetrachloroethene	ND		ug/kg	0.50	--
Chlorobenzene	ND		ug/kg	0.50	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	0.50	--
Bromodichloromethane	ND		ug/kg	0.50	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--
1,1-Dichloropropene	ND		ug/kg	0.50	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--
Benzene	ND		ug/kg	0.50	--
Toluene	ND		ug/kg	1.0	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	1.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	0.50	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1934377

Project Number: 0231841 **Report Date:** 08/08/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/07/19 07:05
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02,04,07 Batch: WG1269599-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	--
1,3-Dichlorobenzene	ND		ug/kg	2.0	--
1,4-Dichlorobenzene	ND		ug/kg	2.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	1.0	--
Xylenes, Total	ND		ug/kg	1.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	2.0	--
1,2,3-Trichloropropane	ND		ug/kg	2.0	--
Styrene	ND		ug/kg	1.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	10	--
Carbon disulfide	ND		ug/kg	10	--
2-Butanone	ND		ug/kg	10	--
4-Methyl-2-pentanone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Bromochloromethane	ND		ug/kg	2.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	2.0	--
1,2-Dibromoethane	ND		ug/kg	1.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--
Bromobenzene	ND		ug/kg	2.0	--
n-Butylbenzene	ND		ug/kg	1.0	--
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	2.0	--
1,3,5-Trichlorobenzene	ND		ug/kg	2.0	--
o-Chlorotoluene	ND		ug/kg	2.0	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1934377

Project Number: 0231841 **Report Date:** 08/08/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/07/19 07:05
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02,04,07 Batch: WG1269599-5					
p-Chlorotoluene	ND		ug/kg	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--
Ethyl ether	ND		ug/kg	2.0	--
Isopropyl Ether	ND		ug/kg	2.0	--
Tert-Butyl Alcohol	ND		ug/kg	20	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--
1,4-Dioxane	ND		ug/kg	80	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	87		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1934377

Project Number: 0231841 **Report Date:** 08/08/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/07/19 07:05
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05-07 Batch: WG1269756-5					
Methylene chloride	ND		ug/kg	250	--
1,1-Dichloroethane	ND		ug/kg	50	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	50	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	50	--
Tetrachloroethene	ND		ug/kg	25	--
Chlorobenzene	ND		ug/kg	25	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	25	--
Bromodichloromethane	ND		ug/kg	25	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	25	--
1,3-Dichloropropene, Total	ND		ug/kg	25	--
1,1-Dichloropropene	ND		ug/kg	25	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	--
Benzene	ND		ug/kg	25	--
Toluene	ND		ug/kg	50	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	50	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	25	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1934377

Project Number: 0231841 **Report Date:** 08/08/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/07/19 07:05
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05-07 Batch: WG1269756-5					
1,2-Dichlorobenzene	ND		ug/kg	100	--
1,3-Dichlorobenzene	ND		ug/kg	100	--
1,4-Dichlorobenzene	ND		ug/kg	100	--
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	50	--
Xylenes, Total	ND		ug/kg	50	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
1,2-Dichloroethene, Total	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	100	--
1,2,3-Trichloropropane	ND		ug/kg	100	--
Styrene	ND		ug/kg	50	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	500	--
Carbon disulfide	ND		ug/kg	500	--
2-Butanone	ND		ug/kg	500	--
4-Methyl-2-pentanone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	100	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	100	--
1,2-Dibromoethane	ND		ug/kg	50	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	--
Bromobenzene	ND		ug/kg	100	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	100	--
1,3,5-Trichlorobenzene	ND		ug/kg	100	--
o-Chlorotoluene	ND		ug/kg	100	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1934377

Project Number: 0231841 **Report Date:** 08/08/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/07/19 07:05
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05-07 Batch: WG1269756-5					
p-Chlorotoluene	ND		ug/kg	100	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--
1,2,3-Trichlorobenzene	ND		ug/kg	100	--
1,2,4-Trichlorobenzene	ND		ug/kg	100	--
1,3,5-Trimethylbenzene	ND		ug/kg	100	--
1,2,4-Trimethylbenzene	ND		ug/kg	100	--
Ethyl ether	ND		ug/kg	100	--
Isopropyl Ether	ND		ug/kg	100	--
Tert-Butyl Alcohol	ND		ug/kg	1000	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	100	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	100	--
1,4-Dioxane	ND		ug/kg	4000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	87		70-130

Project Name: SALEM FORMER WWTF **Lab Number:** L1934377

Project Number: 0231841 **Report Date:** 08/08/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/08/19 06:59
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03 Batch: WG1270184-5					
Methylene chloride	ND		ug/kg	5.0	--
1,1-Dichloroethane	ND		ug/kg	1.0	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	1.0	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.0	--
Tetrachloroethene	ND		ug/kg	0.50	--
Chlorobenzene	ND		ug/kg	0.50	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	0.50	--
Bromodichloromethane	ND		ug/kg	0.50	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--
1,1-Dichloropropene	ND		ug/kg	0.50	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--
Benzene	ND		ug/kg	0.50	--
Toluene	ND		ug/kg	1.0	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	1.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	0.50	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1934377

Project Number: 0231841 **Report Date:** 08/08/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/08/19 06:59
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03 Batch: WG1270184-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	--
1,3-Dichlorobenzene	ND		ug/kg	2.0	--
1,4-Dichlorobenzene	ND		ug/kg	2.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	1.0	--
Xylenes, Total	ND		ug/kg	1.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	2.0	--
1,2,3-Trichloropropane	ND		ug/kg	2.0	--
Styrene	ND		ug/kg	1.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	10	--
Carbon disulfide	ND		ug/kg	10	--
2-Butanone	ND		ug/kg	10	--
4-Methyl-2-pentanone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Bromochloromethane	ND		ug/kg	2.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	2.0	--
1,2-Dibromoethane	ND		ug/kg	1.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--
Bromobenzene	ND		ug/kg	2.0	--
n-Butylbenzene	ND		ug/kg	1.0	--
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	2.0	--
1,3,5-Trichlorobenzene	ND		ug/kg	2.0	--
o-Chlorotoluene	ND		ug/kg	2.0	--

Project Name: SALEM FORMER WWTF **Lab Number:** L1934377

Project Number: 0231841 **Report Date:** 08/08/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/08/19 06:59
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03 Batch: WG1270184-5					
p-Chlorotoluene	ND		ug/kg	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--
Ethyl ether	ND		ug/kg	2.0	--
Isopropyl Ether	ND		ug/kg	2.0	--
Tert-Butyl Alcohol	ND		ug/kg	20	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--
1,4-Dioxane	ND		ug/kg	80	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	90		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 0231841

Lab Number: L1934377

Report Date: 08/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02,04,07 Batch: WG1269599-3 WG1269599-4								
Methylene chloride	99		96		70-130	3		30
1,1-Dichloroethane	109		106		70-130	3		30
Chloroform	101		98		70-130	3		30
Carbon tetrachloride	82		81		70-130	1		30
1,2-Dichloropropane	115		111		70-130	4		30
Dibromochloromethane	94		92		70-130	2		30
1,1,2-Trichloroethane	126		124		70-130	2		30
Tetrachloroethene	95		92		70-130	3		30
Chlorobenzene	105		102		70-130	3		30
Trichlorofluoromethane	82		78		70-139	5		30
1,2-Dichloroethane	88		87		70-130	1		30
1,1,1-Trichloroethane	93		89		70-130	4		30
Bromodichloromethane	99		98		70-130	1		30
trans-1,3-Dichloropropene	114		111		70-130	3		30
cis-1,3-Dichloropropene	112		108		70-130	4		30
1,1-Dichloropropene	111		106		70-130	5		30
Bromoform	96		96		70-130	0		30
1,1,2,2-Tetrachloroethane	127		125		70-130	2		30
Benzene	114		110		70-130	4		30
Toluene	116		113		70-130	3		30
Ethylbenzene	116		113		70-130	3		30
Chloromethane	96		92		52-130	4		30
Bromomethane	111		107		57-147	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 0231841

Lab Number: L1934377

Report Date: 08/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02,04,07 Batch: WG1269599-3 WG1269599-4								
Vinyl chloride	118		109		67-130	8		30
Chloroethane	134		130		50-151	3		30
1,1-Dichloroethene	111		107		65-135	4		30
trans-1,2-Dichloroethene	110		105		70-130	5		30
Trichloroethene	104		102		70-130	2		30
1,2-Dichlorobenzene	99		95		70-130	4		30
1,3-Dichlorobenzene	100		98		70-130	2		30
1,4-Dichlorobenzene	98		98		70-130	0		30
Methyl tert butyl ether	84		83		66-130	1		30
p/m-Xylene	111		108		70-130	3		30
o-Xylene	107		104		70-130	3		30
cis-1,2-Dichloroethene	109		106		70-130	3		30
Dibromomethane	103		102		70-130	1		30
1,2,3-Trichloropropane	120		111		68-130	8		30
Styrene	107		103		70-130	4		30
Dichlorodifluoromethane	69		65		30-146	6		30
Acetone	75		74		54-140	1		30
Carbon disulfide	104		100		59-130	4		30
2-Butanone	74		71		70-130	4		30
4-Methyl-2-pentanone	100		96		70-130	4		30
2-Hexanone	89		82		70-130	8		30
Bromochloromethane	98		93		70-130	5		30
Tetrahydrofuran	96		90		66-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1934377
Report Date: 08/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02,04,07 Batch: WG1269599-3 WG1269599-4								
2,2-Dichloropropane	97		94		70-130	3		30
1,2-Dibromoethane	104		102		70-130	2		30
1,1,1,2-Tetrachloroethane	95		92		70-130	3		30
Bromobenzene	102		99		70-130	3		30
n-Butylbenzene	127		123		70-130	3		30
sec-Butylbenzene	116		113		70-130	3		30
tert-Butylbenzene	107		103		70-130	4		30
1,3,5-Trichlorobenzene	94		88		70-139	7		30
o-Chlorotoluene	120		116		70-130	3		30
p-Chlorotoluene	120		116		70-130	3		30
1,2-Dibromo-3-chloropropane	81		80		68-130	1		30
Hexachlorobutadiene	100		93		67-130	7		30
Isopropylbenzene	114		112		70-130	2		30
p-Isopropyltoluene	108		104		70-130	4		30
Naphthalene	98		90		70-130	9		30
n-Propylbenzene	128		124		70-130	3		30
1,2,3-Trichlorobenzene	91		87		70-130	4		30
1,2,4-Trichlorobenzene	96		90		70-130	6		30
1,3,5-Trimethylbenzene	110		109		70-130	1		30
1,2,4-Trimethylbenzene	110		107		70-130	3		30
Ethyl ether	102		101		67-130	1		30
Isopropyl Ether	109		105		66-130	4		30
Tert-Butyl Alcohol	85		79		70-130	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1934377
Report Date: 08/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02,04,07 Batch: WG1269599-3 WG1269599-4								
Ethyl-Tert-Butyl-Ether	100		98		70-130	2		30
Tertiary-Amyl Methyl Ether	98		96		70-130	2		30
1,4-Dioxane	85		81		65-136	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	87		85		70-130
Toluene-d8	110		111		70-130
4-Bromofluorobenzene	110		111		70-130
Dibromofluoromethane	91		90		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1934377
Report Date: 08/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05-07 Batch: WG1269756-3 WG1269756-4								
Methylene chloride	99		96		70-130	3		30
1,1-Dichloroethane	109		106		70-130	3		30
Chloroform	101		98		70-130	3		30
Carbon tetrachloride	82		81		70-130	1		30
1,2-Dichloropropane	115		111		70-130	4		30
Dibromochloromethane	94		92		70-130	2		30
1,1,2-Trichloroethane	126		124		70-130	2		30
Tetrachloroethene	95		92		70-130	3		30
Chlorobenzene	105		102		70-130	3		30
Trichlorofluoromethane	82		78		70-139	5		30
1,2-Dichloroethane	88		87		70-130	1		30
1,1,1-Trichloroethane	93		89		70-130	4		30
Bromodichloromethane	99		98		70-130	1		30
trans-1,3-Dichloropropene	114		111		70-130	3		30
cis-1,3-Dichloropropene	112		108		70-130	4		30
1,1-Dichloropropene	111		106		70-130	5		30
Bromoform	96		96		70-130	0		30
1,1,2,2-Tetrachloroethane	127		125		70-130	2		30
Benzene	114		110		70-130	4		30
Toluene	116		113		70-130	3		30
Ethylbenzene	116		113		70-130	3		30
Chloromethane	96		92		52-130	4		30
Bromomethane	111		107		57-147	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1934377
Report Date: 08/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05-07 Batch: WG1269756-3 WG1269756-4								
Vinyl chloride	118		109		67-130	8		30
Chloroethane	134		130		50-151	3		30
1,1-Dichloroethene	111		107		65-135	4		30
trans-1,2-Dichloroethene	110		105		70-130	5		30
Trichloroethene	104		102		70-130	2		30
1,2-Dichlorobenzene	99		95		70-130	4		30
1,3-Dichlorobenzene	100		98		70-130	2		30
1,4-Dichlorobenzene	98		98		70-130	0		30
Methyl tert butyl ether	84		83		66-130	1		30
p/m-Xylene	111		108		70-130	3		30
o-Xylene	107		104		70-130	3		30
cis-1,2-Dichloroethene	109		106		70-130	3		30
Dibromomethane	103		102		70-130	1		30
1,2,3-Trichloropropane	120		111		68-130	8		30
Styrene	107		103		70-130	4		30
Dichlorodifluoromethane	69		65		30-146	6		30
Acetone	75		74		54-140	1		30
Carbon disulfide	104		100		59-130	4		30
2-Butanone	74		71		70-130	4		30
4-Methyl-2-pentanone	100		96		70-130	4		30
2-Hexanone	89		82		70-130	8		30
Bromochloromethane	98		93		70-130	5		30
Tetrahydrofuran	96		90		66-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 0231841

Lab Number: L1934377

Report Date: 08/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05-07 Batch: WG1269756-3 WG1269756-4								
2,2-Dichloropropane	97		94		70-130	3		30
1,2-Dibromoethane	104		102		70-130	2		30
1,1,1,2-Tetrachloroethane	95		92		70-130	3		30
Bromobenzene	102		99		70-130	3		30
n-Butylbenzene	127		123		70-130	3		30
sec-Butylbenzene	116		113		70-130	3		30
tert-Butylbenzene	107		103		70-130	4		30
1,3,5-Trichlorobenzene	94		88		70-139	7		30
o-Chlorotoluene	120		116		70-130	3		30
p-Chlorotoluene	120		116		70-130	3		30
1,2-Dibromo-3-chloropropane	81		80		68-130	1		30
Hexachlorobutadiene	100		93		67-130	7		30
Isopropylbenzene	114		112		70-130	2		30
p-Isopropyltoluene	108		104		70-130	4		30
Naphthalene	98		90		70-130	9		30
n-Propylbenzene	128		124		70-130	3		30
1,2,3-Trichlorobenzene	91		87		70-130	4		30
1,2,4-Trichlorobenzene	96		90		70-130	6		30
1,3,5-Trimethylbenzene	110		109		70-130	1		30
1,2,4-Trimethylbenzene	110		107		70-130	3		30
Ethyl ether	102		101		67-130	1		30
Isopropyl Ether	109		105		66-130	4		30
Tert-Butyl Alcohol	85		79		70-130	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1934377
Report Date: 08/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05-07 Batch: WG1269756-3 WG1269756-4								
Ethyl-Tert-Butyl-Ether	100		98		70-130	2		30
Tertiary-Amyl Methyl Ether	98		96		70-130	2		30
1,4-Dioxane	85		81		65-136	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	88		85		70-130
Toluene-d8	110		111		70-130
4-Bromofluorobenzene	110		110		70-130
Dibromofluoromethane	91		90		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1934377
Report Date: 08/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03 Batch: WG1270184-3 WG1270184-4								
Methylene chloride	100		100		70-130	0		30
1,1-Dichloroethane	108		109		70-130	1		30
Chloroform	101		101		70-130	0		30
Carbon tetrachloride	79		82		70-130	4		30
1,2-Dichloropropane	114		114		70-130	0		30
Dibromochloromethane	95		93		70-130	2		30
1,1,2-Trichloroethane	128		129		70-130	1		30
Tetrachloroethene	92		92		70-130	0		30
Chlorobenzene	103		104		70-130	1		30
Trichlorofluoromethane	71		72		70-139	1		30
1,2-Dichloroethane	93		93		70-130	0		30
1,1,1-Trichloroethane	90		91		70-130	1		30
Bromodichloromethane	103		103		70-130	0		30
trans-1,3-Dichloropropene	116		117		70-130	1		30
cis-1,3-Dichloropropene	112		112		70-130	0		30
1,1-Dichloropropene	108		108		70-130	0		30
Bromoform	97		100		70-130	3		30
1,1,2,2-Tetrachloroethane	**135**	Q	**137**	Q	70-130	1		30
Benzene	112		114		70-130	2		30
Toluene	114		115		70-130	1		30
Ethylbenzene	114		115		70-130	1		30
Chloromethane	82		82		52-130	0		30
Bromomethane	93		95		57-147	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1934377
Report Date: 08/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03 Batch: WG1270184-3 WG1270184-4								
Vinyl chloride	94		95		67-130	1		30
Chloroethane	119		120		50-151	1		30
1,1-Dichloroethene	104		104		65-135	0		30
trans-1,2-Dichloroethene	106		108		70-130	2		30
Trichloroethene	103		105		70-130	2		30
1,2-Dichlorobenzene	97		98		70-130	1		30
1,3-Dichlorobenzene	98		97		70-130	1		30
1,4-Dichlorobenzene	98		100		70-130	2		30
Methyl tert butyl ether	96		95		66-130	1		30
p/m-Xylene	107		109		70-130	2		30
o-Xylene	109		109		70-130	0		30
cis-1,2-Dichloroethene	109		108		70-130	1		30
Dibromomethane	108		109		70-130	1		30
1,2,3-Trichloropropane	127		121		68-130	5		30
Styrene	110		109		70-130	1		30
Dichlorodifluoromethane	50		49		30-146	2		30
Acetone	100		92		54-140	8		30
Carbon disulfide	102		103		59-130	1		30
2-Butanone	95		92		70-130	3		30
4-Methyl-2-pentanone	115		116		70-130	1		30
2-Hexanone	108		103		70-130	5		30
Bromochloromethane	96		95		70-130	1		30
Tetrahydrofuran	121		116		66-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 0231841

Lab Number: L1934377

Report Date: 08/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03 Batch: WG1270184-3 WG1270184-4								
2,2-Dichloropropane	96		97		70-130	1		30
1,2-Dibromoethane	110		109		70-130	1		30
1,1,1,2-Tetrachloroethane	94		95		70-130	1		30
Bromobenzene	101		100		70-130	1		30
n-Butylbenzene	121		122		70-130	1		30
sec-Butylbenzene	108		111		70-130	3		30
tert-Butylbenzene	100		100		70-130	0		30
1,3,5-Trichlorobenzene	97		97		70-139	0		30
o-Chlorotoluene	117		121		70-130	3		30
p-Chlorotoluene	118		118		70-130	0		30
1,2-Dibromo-3-chloropropane	86		87		68-130	1		30
Hexachlorobutadiene	94		94		67-130	0		30
Isopropylbenzene	109		112		70-130	3		30
p-Isopropyltoluene	100		102		70-130	2		30
Naphthalene	96		95		70-130	1		30
n-Propylbenzene	123		124		70-130	1		30
1,2,3-Trichlorobenzene	88		86		70-130	2		30
1,2,4-Trichlorobenzene	91		90		70-130	1		30
1,3,5-Trimethylbenzene	107		110		70-130	3		30
1,2,4-Trimethylbenzene	106		108		70-130	2		30
Ethyl ether	113		113		67-130	0		30
Isopropyl Ether	121		120		66-130	1		30
Tert-Butyl Alcohol	101		94		70-130	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1934377
Report Date: 08/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03 Batch: WG1270184-3 WG1270184-4								
Ethyl-Tert-Butyl-Ether	112		110		70-130	2		30
Tertiary-Amyl Methyl Ether	111		108		70-130	3		30
1,4-Dioxane	90		89		65-136	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	89		90		70-130
Toluene-d8	110		110		70-130
4-Bromofluorobenzene	111		111		70-130
Dibromofluoromethane	92		91		70-130

INORGANICS
&
MISCELLANEOUS

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1934377
Report Date: 08/08/19

SAMPLE RESULTS

Lab ID: L1934377-01
Client ID: SB19-75 (5-7.5)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/31/19 09:50
Date Received: 08/01/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.0		%	0.100	NA	1	-	08/02/19 02:01	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1934377
Report Date: 08/08/19

SAMPLE RESULTS

Lab ID: L1934377-02
Client ID: SB19-75 (28-30)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/31/19 10:30
Date Received: 08/01/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.9		%	0.100	NA	1	-	08/02/19 02:01	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1934377
Report Date: 08/08/19

SAMPLE RESULTS

Lab ID: L1934377-03
Client ID: SB19-76 (15-17.5)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/31/19 11:40
Date Received: 08/01/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	72.0		%	0.100	NA	1	-	08/02/19 02:01	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1934377
Report Date: 08/08/19

SAMPLE RESULTS

Lab ID: L1934377-04
Client ID: SB19-76 (20-22.25)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/31/19 11:45
Date Received: 08/01/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	73.2		%	0.100	NA	1	-	08/02/19 02:01	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1934377
Report Date: 08/08/19

SAMPLE RESULTS

Lab ID: L1934377-05
Client ID: SB19-77 (15-17.5)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/31/19 13:15
Date Received: 08/01/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.1		%	0.100	NA	1	-	08/02/19 02:01	121,2540G	YA

Project Name: SALEM FORMER WWTF
Project Number: 0231841
Lab Number: L1934377
Report Date: 08/08/19

SAMPLE RESULTS

Lab ID: L1934377-06
Client ID: SB19-78 (17.5-20)
Sample Location: SALEM, NH
Sample Depth:
Matrix: Soil

Date Collected: 07/31/19 15:00
Date Received: 08/01/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.8		%	0.100	NA	1	-	08/02/19 02:01	121,2540G	YA

Lab Duplicate Analysis

Batch Quality Control

Project Name: SALEM FORMER WWTF

Project Number: 0231841

Lab Number: L1934377

Report Date: 08/08/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1267689-1 QC Sample: L1934222-01 Client ID: DUP Sample						
Solids, Total	92.0	98.5	%	7		20

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1934377
Report Date: 08/08/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1934377-01A	Vial MeOH preserved	A	NA		2.0	Y	Absent		8260HLW-NH(14)
L1934377-01B	Vial water preserved	A	NA		2.0	Y	Absent	01-AUG-19 23:34	8260HLW-NH(14)
L1934377-01C	Vial water preserved	A	NA		2.0	Y	Absent	01-AUG-19 23:34	8260HLW-NH(14)
L1934377-01D	Plastic 2oz unpreserved for TS	A	NA		2.0	Y	Absent		TS(7)
L1934377-02A	Vial MeOH preserved	A	NA		2.0	Y	Absent		8260HLW-NH(14)
L1934377-02B	Vial water preserved	A	NA		2.0	Y	Absent	01-AUG-19 23:34	8260HLW-NH(14)
L1934377-02C	Vial water preserved	A	NA		2.0	Y	Absent	01-AUG-19 23:34	8260HLW-NH(14)
L1934377-02D	Plastic 2oz unpreserved for TS	A	NA		2.0	Y	Absent		TS(7)
L1934377-03A	Vial MeOH preserved	A	NA		2.0	Y	Absent		8260HLW-NH(14)
L1934377-03B	Vial water preserved	A	NA		2.0	Y	Absent	01-AUG-19 23:34	8260HLW-NH(14)
L1934377-03C	Vial water preserved	A	NA		2.0	Y	Absent	01-AUG-19 23:34	8260HLW-NH(14)
L1934377-03D	Plastic 2oz unpreserved for TS	A	NA		2.0	Y	Absent		TS(7)
L1934377-04A	Vial MeOH preserved	A	NA		2.0	Y	Absent		8260HLW-NH(14)
L1934377-04B	Vial water preserved	A	NA		2.0	Y	Absent	01-AUG-19 23:34	8260HLW-NH(14)
L1934377-04C	Vial water preserved	A	NA		2.0	Y	Absent	01-AUG-19 23:34	8260HLW-NH(14)
L1934377-04D	Plastic 2oz unpreserved for TS	A	NA		2.0	Y	Absent		TS(7)
L1934377-05A	Vial MeOH preserved	A	NA		2.0	Y	Absent		8260HLW-NH(14)
L1934377-05B	Vial water preserved	A	NA		2.0	Y	Absent	01-AUG-19 23:34	8260HLW-NH(14)
L1934377-05C	Vial water preserved	A	NA		2.0	Y	Absent	01-AUG-19 23:34	8260HLW-NH(14)
L1934377-05D	Plastic 2oz unpreserved for TS	A	NA		2.0	Y	Absent		TS(7)
L1934377-06A	Vial MeOH preserved	A	NA		2.0	Y	Absent		8260HLW-NH(14)
L1934377-06B	Vial water preserved	A	NA		2.0	Y	Absent	01-AUG-19 23:34	8260HLW-NH(14)
L1934377-06C	Vial water preserved	A	NA		2.0	Y	Absent	01-AUG-19 23:34	8260HLW-NH(14)

*Values in parentheses indicate holding time in days

Project Name: SALEM FORMER WWTF
Project Number: 0231841

Lab Number: L1934377
Report Date: 08/08/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1934377-06D	Plastic 2oz unpreserved for TS	A	NA		2.0	Y	Absent		TS(7)
L1934377-07A	Vial MeOH preserved	A	NA		2.0	Y	Absent		8260H-NH(14),8260HLW-NH(14)
L1934377-07B	Vial water preserved	A	NA		2.0	Y	Absent	**01-AUG-19 23:34**	8260H-NH(14),8260HLW-NH(14)

*Values in parentheses indicate holding time in days

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1934377
Project Number:	0231841	**Report Date:**	08/08/19

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: Data Usability Report

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1934377
Project Number:	0231841	**Report Date:**	08/08/19

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: Data Usability Report

Project Name:	SALEM FORMER WWTF	**Lab Number:**	L1934377
Project Number:	0231841	**Report Date:**	08/08/19

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 8/1/19

ALPHA Job #: L1934377

8 Walkup Drive, Westboro, MA 01581, Tel: 508-898-9220
320 Forbes Blvd, Mansfield, MA 02048, Tel: 508-822-9300

Project Information

Project Name: Salem Former WWTF
Project Location: Salem, NH
Project #: 0231841
Project Manager: Jarrod Yoder
ALPHA Quote #:

Report Information - Data Deliverables

☑ ADEx ☒ EMAIL

Billing Information

☐ Same as Client info PO #:

Client Information

Client: Woodard & Curran
Address: 40 Shattuck Rd.
Andover, MA
Phone: 978-482-7838
Email: kelich@woodardcurran.com
sainey@woodardcurran.com

Regulatory Requirements & Project Information Requirements

☐ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods
☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
☐ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)
☐ Yes ☐ No NPDES RGP
☐ Other State /Fed Program _____ Criteria _____

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due:

Additional Project Information:

ANALYSIS: VOC: ☐ 8260 ☐ 624 ☐ 524.2; SVOC: ☐ ABN ☐ PAH; METALS: ☐ MCP 13 ☐ MCP 14 ☐ RCP 15; METALS: ☐ RCRA5 ☐ RCRA8 ☐ PP13; EPH: ☐ Ranges & Targets ☐ Ranges Only; VPH: ☐ Ranges & Targets ☐ Ranges Only; ☐ PCB ☐ PEST; TPH: ☐ Quant Only ☐ Fingerprint; % Solids

SAMPLE INFO
Filtration
☐ Field
☐ Lab to do
Preservation
☐ Lab to do

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	VOC	% Solids	Sample Comments	TOTAL # BOTTLES
31377-01	SB19-75(5-7.5)	7/31/19	0950	Soil	STO	X	X		4
-02	SB19-75(28-30)	7/31/19	1030	Soil	STO	X	X		4
-03	SB19-76(15-17.5)	7/31/19	1140	Soil	STO	X	X		4
-04	SB19-76(20-21.25)	7/31/19	1145	Soil	STO	X	X		4
-05	SB19-77(15-17.5)	7/31/19	1315	Soil	STO	X	X		4
-06	SB19-78(17.5-20)	7/31/19	1500	Soil	STO	X	X		4
-07	Trip Blank	7/19/19	—	—	PC	X			2

Container Type	V							P	
Preservative	FW							A	

Container Type
P= Plastic
A= Amber glass
V= Vial
G= Glass
B= Bacteria cup
C= Cube
O= Other
E= Encore
D= BOD Bottle

Preservative
A= None
B= HCl
C= HNO_3
D= H_2SO_4
E= NaOH
F= MeOH
G= $NaHSO_4$
H = $Na_2S_2O_3$
I= Ascorbic Acid
J = NH_4Cl
K= Zn Acetate
O= Other

Relinquished By:	Date/Time	Received By:	Date/Time
	8/1/19 1526		8/1/19 1526
	8/1/19 1740		8/1/19 1740

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

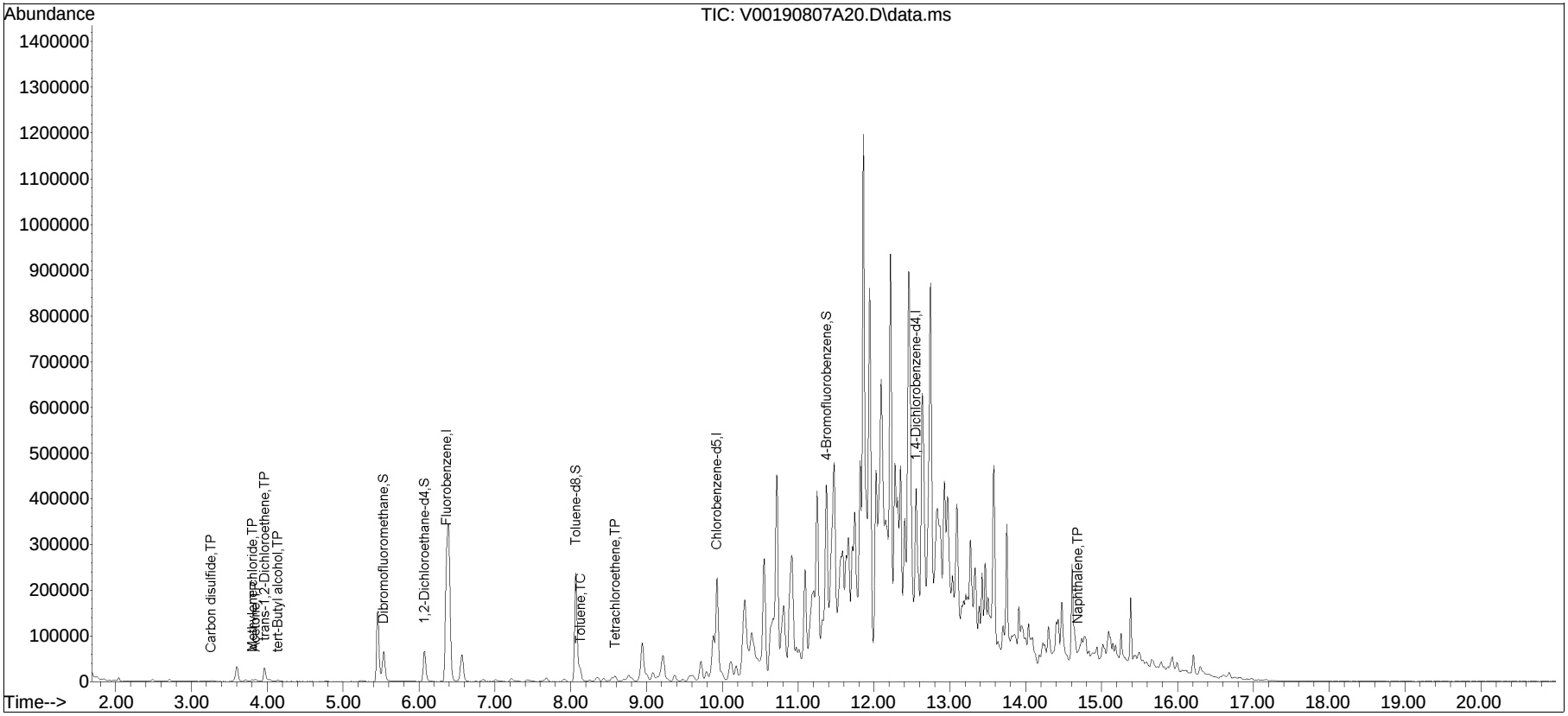
FORM NO: 01-01 (rev. 12-Mar-2012)

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA100\2019\190807A\
Data File : V00190807A20.D
Acq On : 7 Aug 2019 1:55 pm
Operator : VOA100:MKS
Sample : l1934377-01,31,8.62,5,,b
Misc : WG1269599,ICAL15879
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 07 17:15:18 2019
Quant Method : I:\VOLATILES\VOA100\2019\190807A\V100_190614N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jun 17 12:25:42 2019
Response via : Initial Calibration

Sub List : 8260-NH - 8260 NH sublist019\190807A\V00190807A02.D•



V100_190614N_8260.m Wed Aug 07 17:27:31 2019 Page: 4

ANALYTICAL REPORT

Lab Number:	L1935058
Client:	Woodard & Curran 40 Shattuck Road Suite 110 Andover, MA 01810
ATTN:	Samantha Olney
Phone:	(978) 557-8150
Project Name:	FORMER WWTP
Project Number:	Not Specified
Report Date:	08/13/19

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: FORMER WWTP
Project Number: Not Specified

Lab Number: L1935058
Report Date: 08/13/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1935058-01	GZ-1U	WATER	SALEM NH	08/05/19 09:06	08/06/19
L1935058-02	UW19-01U	WATER	SALEM NH	08/05/19 09:45	08/06/19
L1935058-03	GZ-6	WATER	SALEM NH	08/05/19 10:11	08/06/19
L1935058-04	MW19-03U	WATER	SALEM NH	08/05/19 11:06	08/06/19
L1935058-05	GZ-203L	WATER	SALEM NH	08/05/19 11:45	08/06/19
L1935058-06	GZ-5R	WATER	SALEM NH	08/05/19 12:01	08/06/19
L1935058-07	GZ-401L	WATER	SALEM NH	08/05/19 13:11	08/06/19
L1935058-08	GZ-4U	WATER	SALEM NH	08/05/19 14:06	08/06/19
L1935058-09	GZ-4L	WATER	SALEM NH	08/05/19 14:46	08/06/19
L1935058-10	MW19-01U	WATER	SALEM NH	08/05/19 13:45	08/06/19
L1935058-11	MW19 02L	WATER	SALEM NH	08/05/19 15:15	08/06/19
L1935058-12	MW19-02U	WATER	SALEM NH	08/05/19 16:15	08/06/19
L1935058-13	MW19-05U	WATER	SALEM NH	08/06/19 10:41	08/06/19
L1935058-14	GZ-611L	WATER	SALEM NH	08/06/19 10:50	08/06/19
L1935058-15	DUP-1	WATER	SALEM NH	08/06/19 00:00	08/06/19
L1935058-16	MW19-04U	WATER	SALEM NH	08/06/19 11:51	08/06/19
L1935058-17	GZ-611U	WATER	SALEM NH	08/06/19 12:15	08/06/19
L1935058-18	GZ-410	WATER	SALEM NH	08/06/19 13:16	08/06/19
L1935058-19	MW19-06L	WATER	SALEM NH	08/06/19 14:11	08/06/19
L1935058-20	GZ-615U	WATER	SALEM NH	08/06/19 14:05	08/06/19
L1935058-21	GZ-618U	WATER	SALEM NH	08/06/19 14:51	08/06/19
L1935058-22	TRIP BLANK-1	WATER	SALEM NH	08/06/19 00:00	08/06/19
L1935058-23	GZ-601U	WATER	SALEM NH	08/06/19 14:55	08/06/19

Project Name:	FORMER WWTP	**Lab Number:**	L1935058
Project Number:	Not Specified	**Report Date:**	08/13/19

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 08/13/19

ORGANICS

VOLATILES

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1935058
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-01
Client ID: GZ-1U
Sample Location: SALEM NH
Date Collected: 08/05/19 09:06
Date Received: 08/06/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/10/19 08:33
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1

Project Name: FORMER WWTP **Lab Number:** L1935058

Project Number: Not Specified **Report Date:** 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-01 Date Collected: 08/05/19 09:06

Client ID: GZ-1U Date Received: 08/06/19

Sample Location: SALEM NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethene, Total	ND		ug/l	0.50	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1935058
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-01
Client ID: GZ-1U
Sample Location: SALEM NH
Date Collected: 08/05/19 09:06
Date Received: 08/06/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,3,5-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
Isopropyl Ether	ND		ug/l	2.0	--	1
Tert-Butyl Alcohol	ND		ug/l	10	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	97		70-130

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1935058
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-02 D
Client ID: UW19-01U
Sample Location: SALEM NH

Date Collected: 08/05/19 09:45
Date Received: 08/06/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/10/19 15:38
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	75	--	25
1,1-Dichloroethane	48		ug/l	19	--	25
Chloroform	ND		ug/l	19	--	25
Carbon tetrachloride	ND		ug/l	12	--	25
1,2-Dichloropropane	ND		ug/l	44	--	25
Dibromochloromethane	ND		ug/l	12	--	25
1,1,2-Trichloroethane	ND		ug/l	19	--	25
Tetrachloroethene	ND		ug/l	12	--	25
Chlorobenzene	ND		ug/l	12	--	25
Trichlorofluoromethane	ND		ug/l	62	--	25
1,2-Dichloroethane	ND		ug/l	12	--	25
1,1,1-Trichloroethane	38		ug/l	12	--	25
Bromodichloromethane	ND		ug/l	12	--	25
trans-1,3-Dichloropropene	ND		ug/l	12	--	25
cis-1,3-Dichloropropene	ND		ug/l	12	--	25
1,3-Dichloropropene, Total	ND		ug/l	12	--	25
1,1-Dichloropropene	ND		ug/l	62	--	25
Bromoform	ND		ug/l	50	--	25
1,1,2,2-Tetrachloroethane	ND		ug/l	12	--	25
Benzene	ND		ug/l	12	--	25
Toluene	ND		ug/l	19	--	25
Ethylbenzene	ND		ug/l	12	--	25
Chloromethane	ND		ug/l	62	--	25
Bromomethane	ND		ug/l	25	--	25
Vinyl chloride	79		ug/l	25	--	25
Chloroethane	ND		ug/l	25	--	25
1,1-Dichloroethene	18		ug/l	12	--	25
trans-1,2-Dichloroethene	19		ug/l	19	--	25

Project Name: FORMER WWTP **Lab Number:** L1935058

Project Number: Not Specified **Report Date:** 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-02 D Date Collected: 08/05/19 09:45

Client ID: UW19-01U Date Received: 08/06/19

Sample Location: SALEM NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethene, Total	3200		ug/l	12	--	25
Trichloroethene	440		ug/l	12	--	25
1,2-Dichlorobenzene	ND		ug/l	62	--	25
1,3-Dichlorobenzene	ND		ug/l	62	--	25
1,4-Dichlorobenzene	ND		ug/l	62	--	25
Methyl tert butyl ether	ND		ug/l	25	--	25
p/m-Xylene	ND		ug/l	25	--	25
o-Xylene	ND		ug/l	25	--	25
Xylenes, Total	ND		ug/l	25	--	25
cis-1,2-Dichloroethene	3200		ug/l	12	--	25
Dibromomethane	ND		ug/l	120	--	25
1,2,3-Trichloropropane	ND		ug/l	120	--	25
Styrene	ND		ug/l	25	--	25
Dichlorodifluoromethane	ND		ug/l	120	--	25
Acetone	ND		ug/l	120	--	25
Carbon disulfide	ND		ug/l	120	--	25
2-Butanone	ND		ug/l	120	--	25
4-Methyl-2-pentanone	ND		ug/l	120	--	25
2-Hexanone	ND		ug/l	120	--	25
Bromochloromethane	ND		ug/l	62	--	25
Tetrahydrofuran	ND		ug/l	120	--	25
2,2-Dichloropropane	ND		ug/l	62	--	25
1,2-Dibromoethane	ND		ug/l	50	--	25
1,1,1,2-Tetrachloroethane	ND		ug/l	12	--	25
Bromobenzene	ND		ug/l	62	--	25
n-Butylbenzene	ND		ug/l	12	--	25
sec-Butylbenzene	ND		ug/l	12	--	25
tert-Butylbenzene	ND		ug/l	62	--	25
o-Chlorotoluene	ND		ug/l	62	--	25
p-Chlorotoluene	ND		ug/l	62	--	25
1,2-Dibromo-3-chloropropane	ND		ug/l	62	--	25
Hexachlorobutadiene	ND		ug/l	12	--	25
Isopropylbenzene	ND		ug/l	12	--	25
p-Isopropyltoluene	ND		ug/l	12	--	25
Naphthalene	ND		ug/l	62	--	25
n-Propylbenzene	ND		ug/l	12	--	25
1,2,3-Trichlorobenzene	ND		ug/l	62	--	25

Project Name: FORMER WWTP **Lab Number:** L1935058

Project Number: Not Specified **Report Date:** 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-02 D Date Collected: 08/05/19 09:45

Client ID: UW19-01U Date Received: 08/06/19

Sample Location: SALEM NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	62	--	25
1,3,5-Trimethylbenzene	ND		ug/l	62	--	25
1,3,5-Trichlorobenzene	ND		ug/l	50	--	25
1,2,4-Trimethylbenzene	ND		ug/l	62	--	25
Ethyl ether	ND		ug/l	62	--	25
Isopropyl Ether	ND		ug/l	50	--	25
Tert-Butyl Alcohol	ND		ug/l	250	--	25
Ethyl-Tert-Butyl-Ether	ND		ug/l	50	--	25
Tertiary-Amyl Methyl Ether	ND		ug/l	50	--	25
1,4-Dioxane	ND		ug/l	6200	--	25

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	100		70-130

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1935058
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-03
Client ID: GZ-6
Sample Location: SALEM NH

Date Collected: 08/05/19 10:11
Date Received: 08/06/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/10/19 09:01
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1

Project Name: FORMER WWTP **Lab Number:** L1935058

Project Number: Not Specified **Report Date:** 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-03 Date Collected: 08/05/19 10:11

Client ID: GZ-6 Date Received: 08/06/19

Sample Location: SALEM NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethene, Total	ND		ug/l	0.50	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1935058
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-03
Client ID: GZ-6
Sample Location: SALEM NH
Date Collected: 08/05/19 10:11
Date Received: 08/06/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,3,5-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
Isopropyl Ether	ND		ug/l	2.0	--	1
Tert-Butyl Alcohol	ND		ug/l	10	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	98		70-130

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1935058
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-04
Client ID: MW19-03U
Sample Location: SALEM NH

Date Collected: 08/05/19 11:06
Date Received: 08/06/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/10/19 09:29
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1

Project Name: FORMER WWTP **Lab Number:** L1935058

Project Number: Not Specified **Report Date:** 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-04 Date Collected: 08/05/19 11:06

Client ID: MW19-03U Date Received: 08/06/19

Sample Location: SALEM NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethene, Total	ND		ug/l	0.50	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1935058
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-04
Client ID: MW19-03U
Sample Location: SALEM NH
Date Collected: 08/05/19 11:06
Date Received: 08/06/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,3,5-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
Isopropyl Ether	ND		ug/l	2.0	--	1
Tert-Butyl Alcohol	ND		ug/l	10	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	98		70-130

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1935058
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-05 D
Client ID: GZ-203L
Sample Location: SALEM NH

Date Collected: 08/05/19 11:45
Date Received: 08/06/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/10/19 16:06
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	6.0	--	2
1,1-Dichloroethane	3.5		ug/l	1.5	--	2
Chloroform	1.9		ug/l	1.5	--	2
Carbon tetrachloride	ND		ug/l	1.0	--	2
1,2-Dichloropropane	ND		ug/l	3.5	--	2
Dibromochloromethane	ND		ug/l	1.0	--	2
1,1,2-Trichloroethane	ND		ug/l	1.5	--	2
Tetrachloroethene	ND		ug/l	1.0	--	2
Chlorobenzene	ND		ug/l	1.0	--	2
Trichlorofluoromethane	ND		ug/l	5.0	--	2
1,2-Dichloroethane	ND		ug/l	1.0	--	2
1,1,1-Trichloroethane	3.8		ug/l	1.0	--	2
Bromodichloromethane	ND		ug/l	1.0	--	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	--	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	--	2
1,3-Dichloropropene, Total	ND		ug/l	1.0	--	2
1,1-Dichloropropene	ND		ug/l	5.0	--	2
Bromoform	ND		ug/l	4.0	--	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	2
Benzene	ND		ug/l	1.0	--	2
Toluene	ND		ug/l	1.5	--	2
Ethylbenzene	ND		ug/l	1.0	--	2
Chloromethane	ND		ug/l	5.0	--	2
Bromomethane	ND		ug/l	2.0	--	2
Vinyl chloride	3.7		ug/l	2.0	--	2
Chloroethane	ND		ug/l	2.0	--	2
1,1-Dichloroethene	1.6		ug/l	1.0	--	2
trans-1,2-Dichloroethene	ND		ug/l	1.5	--	2

Project Name: FORMER WWTP **Lab Number:** L1935058

Project Number: Not Specified **Report Date:** 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-05 D Date Collected: 08/05/19 11:45
Client ID: GZ-203L Date Received: 08/06/19
Sample Location: SALEM NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethene, Total	230		ug/l	1.0	--	2
Trichloroethene	80		ug/l	1.0	--	2
1,2-Dichlorobenzene	ND		ug/l	5.0	--	2
1,3-Dichlorobenzene	ND		ug/l	5.0	--	2
1,4-Dichlorobenzene	ND		ug/l	5.0	--	2
Methyl tert butyl ether	ND		ug/l	2.0	--	2
p/m-Xylene	ND		ug/l	2.0	--	2
o-Xylene	ND		ug/l	2.0	--	2
Xylenes, Total	ND		ug/l	2.0	--	2
cis-1,2-Dichloroethene	230		ug/l	1.0	--	2
Dibromomethane	ND		ug/l	10	--	2
1,2,3-Trichloropropane	ND		ug/l	10	--	2
Styrene	ND		ug/l	2.0	--	2
Dichlorodifluoromethane	ND		ug/l	10	--	2
Acetone	ND		ug/l	10	--	2
Carbon disulfide	ND		ug/l	10	--	2
2-Butanone	ND		ug/l	10	--	2
4-Methyl-2-pentanone	ND		ug/l	10	--	2
2-Hexanone	ND		ug/l	10	--	2
Bromochloromethane	ND		ug/l	5.0	--	2
Tetrahydrofuran	ND		ug/l	10	--	2
2,2-Dichloropropane	ND		ug/l	5.0	--	2
1,2-Dibromoethane	ND		ug/l	4.0	--	2
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--	2
Bromobenzene	ND		ug/l	5.0	--	2
n-Butylbenzene	ND		ug/l	1.0	--	2
sec-Butylbenzene	ND		ug/l	1.0	--	2
tert-Butylbenzene	ND		ug/l	5.0	--	2
o-Chlorotoluene	ND		ug/l	5.0	--	2
p-Chlorotoluene	ND		ug/l	5.0	--	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	--	2
Hexachlorobutadiene	ND		ug/l	1.0	--	2
Isopropylbenzene	ND		ug/l	1.0	--	2
p-Isopropyltoluene	ND		ug/l	1.0	--	2
Naphthalene	ND		ug/l	5.0	--	2
n-Propylbenzene	ND		ug/l	1.0	--	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	--	2

Project Name: FORMER WWTP **Lab Number:** L1935058

Project Number: Not Specified **Report Date:** 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-05 D
Client ID: GZ-203L
Sample Location: SALEM NH

Date Collected: 08/05/19 11:45
Date Received: 08/06/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	2
1,3,5-Trimethylbenzene	ND		ug/l	5.0	--	2
1,3,5-Trichlorobenzene	ND		ug/l	4.0	--	2
1,2,4-Trimethylbenzene	ND		ug/l	5.0	--	2
Ethyl ether	ND		ug/l	5.0	--	2
Isopropyl Ether	ND		ug/l	4.0	--	2
Tert-Butyl Alcohol	ND		ug/l	20	--	2
Ethyl-Tert-Butyl-Ether	ND		ug/l	4.0	--	2
Tertiary-Amyl Methyl Ether	ND		ug/l	4.0	--	2
1,4-Dioxane	ND		ug/l	500	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	100		70-130

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1935058
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-06
Client ID: GZ-5R
Sample Location: SALEM NH

Date Collected: 08/05/19 12:01
Date Received: 08/06/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/10/19 09:58
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1

Project Name: FORMER WWTP **Lab Number:** L1935058

Project Number: Not Specified **Report Date:** 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-06 Date Collected: 08/05/19 12:01

Client ID: GZ-5R Date Received: 08/06/19

Sample Location: SALEM NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethene, Total	ND		ug/l	0.50	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1935058
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-06
Client ID: GZ-5R
Sample Location: SALEM NH
Date Collected: 08/05/19 12:01
Date Received: 08/06/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,3,5-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
Isopropyl Ether	ND		ug/l	2.0	--	1
Tert-Butyl Alcohol	ND		ug/l	10	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	99		70-130

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1935058
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-07
Client ID: GZ-401L
Sample Location: SALEM NH
Date Collected: 08/05/19 13:11
Date Received: 08/06/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/10/19 10:26
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1935058
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-07
Client ID: GZ-401L
Sample Location: SALEM NH
Date Collected: 08/05/19 13:11
Date Received: 08/06/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethene, Total	ND		ug/l	0.50	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
Methyl tert butyl ether	240	E	ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1

Project Name: FORMER WWTP **Lab Number:** L1935058

Project Number: Not Specified **Report Date:** 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-07 Date Collected: 08/05/19 13:11

Client ID: GZ-401L Date Received: 08/06/19

Sample Location: SALEM NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,3,5-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
Isopropyl Ether	ND		ug/l	2.0	--	1
Tert-Butyl Alcohol	ND		ug/l	10	--	1
Ethyl-Tert-Butyl-Ether	2.0		ug/l	2.0	--	1
Tertiary-Amyl Methyl Ether	10		ug/l	2.0	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Project Name: FORMER WWTP
Lab Number: L1935058
Project Number: Not Specified
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-07 D
Client ID: GZ-401L
Sample Location: SALEM NH

Date Collected: 08/05/19 13:11
Date Received: 08/06/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/13/19 11:50
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	220		ug/l	5.0	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	79		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	98		70-130

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1935058
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-08
Client ID: GZ-4U
Sample Location: SALEM NH
Date Collected: 08/05/19 14:06
Date Received: 08/06/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/10/19 10:55
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1

Project Name: FORMER WWTP **Lab Number:** L1935058

Project Number: Not Specified **Report Date:** 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-08 Date Collected: 08/05/19 14:06

Client ID: GZ-4U Date Received: 08/06/19

Sample Location: SALEM NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethene, Total	ND		ug/l	0.50	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1

Project Name: FORMER WWTP **Lab Number:** L1935058

Project Number: Not Specified **Report Date:** 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-08 Date Collected: 08/05/19 14:06

Client ID: GZ-4U Date Received: 08/06/19

Sample Location: SALEM NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,3,5-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
Isopropyl Ether	ND		ug/l	2.0	--	1
Tert-Butyl Alcohol	ND		ug/l	10	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	101		70-130

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1935058
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-09 D
Client ID: GZ-4L
Sample Location: SALEM NH
Date Collected: 08/05/19 14:46
Date Received: 08/06/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/10/19 16:35
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	6.0	--	2
1,1-Dichloroethane	ND		ug/l	1.5	--	2
Chloroform	ND		ug/l	1.5	--	2
Carbon tetrachloride	ND		ug/l	1.0	--	2
1,2-Dichloropropane	ND		ug/l	3.5	--	2
Dibromochloromethane	ND		ug/l	1.0	--	2
1,1,2-Trichloroethane	ND		ug/l	1.5	--	2
Tetrachloroethene	ND		ug/l	1.0	--	2
Chlorobenzene	ND		ug/l	1.0	--	2
Trichlorofluoromethane	ND		ug/l	5.0	--	2
1,2-Dichloroethane	ND		ug/l	1.0	--	2
1,1,1-Trichloroethane	ND		ug/l	1.0	--	2
Bromodichloromethane	ND		ug/l	1.0	--	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	--	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	--	2
1,3-Dichloropropene, Total	ND		ug/l	1.0	--	2
1,1-Dichloropropene	ND		ug/l	5.0	--	2
Bromoform	ND		ug/l	4.0	--	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	2
Benzene	ND		ug/l	1.0	--	2
Toluene	ND		ug/l	1.5	--	2
Ethylbenzene	ND		ug/l	1.0	--	2
Chloromethane	ND		ug/l	5.0	--	2
Bromomethane	ND		ug/l	2.0	--	2
Vinyl chloride	4.2		ug/l	2.0	--	2
Chloroethane	ND		ug/l	2.0	--	2
1,1-Dichloroethene	ND		ug/l	1.0	--	2
trans-1,2-Dichloroethene	ND		ug/l	1.5	--	2

Project Name: FORMER WWTP **Lab Number:** L1935058

Project Number: Not Specified **Report Date:** 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-09 D Date Collected: 08/05/19 14:46
Client ID: GZ-4L Date Received: 08/06/19
Sample Location: SALEM NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethene, Total	3.7		ug/l	1.0	--	2
Trichloroethene	ND		ug/l	1.0	--	2
1,2-Dichlorobenzene	ND		ug/l	5.0	--	2
1,3-Dichlorobenzene	ND		ug/l	5.0	--	2
1,4-Dichlorobenzene	ND		ug/l	5.0	--	2
Methyl tert butyl ether	260		ug/l	2.0	--	2
p/m-Xylene	ND		ug/l	2.0	--	2
o-Xylene	ND		ug/l	2.0	--	2
Xylenes, Total	ND		ug/l	2.0	--	2
cis-1,2-Dichloroethene	3.7		ug/l	1.0	--	2
Dibromomethane	ND		ug/l	10	--	2
1,2,3-Trichloropropane	ND		ug/l	10	--	2
Styrene	ND		ug/l	2.0	--	2
Dichlorodifluoromethane	ND		ug/l	10	--	2
Acetone	ND		ug/l	10	--	2
Carbon disulfide	ND		ug/l	10	--	2
2-Butanone	ND		ug/l	10	--	2
4-Methyl-2-pentanone	ND		ug/l	10	--	2
2-Hexanone	ND		ug/l	10	--	2
Bromochloromethane	ND		ug/l	5.0	--	2
Tetrahydrofuran	ND		ug/l	10	--	2
2,2-Dichloropropane	ND		ug/l	5.0	--	2
1,2-Dibromoethane	ND		ug/l	4.0	--	2
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--	2
Bromobenzene	ND		ug/l	5.0	--	2
n-Butylbenzene	ND		ug/l	1.0	--	2
sec-Butylbenzene	ND		ug/l	1.0	--	2
tert-Butylbenzene	ND		ug/l	5.0	--	2
o-Chlorotoluene	ND		ug/l	5.0	--	2
p-Chlorotoluene	ND		ug/l	5.0	--	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	--	2
Hexachlorobutadiene	ND		ug/l	1.0	--	2
Isopropylbenzene	ND		ug/l	1.0	--	2
p-Isopropyltoluene	ND		ug/l	1.0	--	2
Naphthalene	ND		ug/l	5.0	--	2
n-Propylbenzene	ND		ug/l	1.0	--	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	--	2

Project Name: FORMER WWTP **Lab Number:** L1935058

Project Number: Not Specified **Report Date:** 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-09 D Date Collected: 08/05/19 14:46

Client ID: GZ-4L Date Received: 08/06/19

Sample Location: SALEM NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	2
1,3,5-Trimethylbenzene	ND		ug/l	5.0	--	2
1,3,5-Trichlorobenzene	ND		ug/l	4.0	--	2
1,2,4-Trimethylbenzene	ND		ug/l	5.0	--	2
Ethyl ether	ND		ug/l	5.0	--	2
Isopropyl Ether	ND		ug/l	4.0	--	2
Tert-Butyl Alcohol	ND		ug/l	20	--	2
Ethyl-Tert-Butyl-Ether	ND		ug/l	4.0	--	2
Tertiary-Amyl Methyl Ether	10		ug/l	4.0	--	2
1,4-Dioxane	ND		ug/l	500	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	100		70-130

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1935058
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-10
Client ID: MW19-01U
Sample Location: SALEM NH
Date Collected: 08/05/19 13:45
Date Received: 08/06/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/10/19 11:23
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1

Project Name: FORMER WWTP **Lab Number:** L1935058

Project Number: Not Specified **Report Date:** 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-10 Date Collected: 08/05/19 13:45

Client ID: MW19-01U Date Received: 08/06/19

Sample Location: SALEM NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethene, Total	3.4		ug/l	0.50	--	1
Trichloroethene	4.2		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	3.4		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1935058
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-10
Client ID: MW19-01U
Sample Location: SALEM NH
Date Collected: 08/05/19 13:45
Date Received: 08/06/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,3,5-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
Isopropyl Ether	ND		ug/l	2.0	--	1
Tert-Butyl Alcohol	ND		ug/l	10	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	99		70-130

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1935058
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-11
Client ID: MW19 02L
Sample Location: SALEM NH

Date Collected: 08/05/19 15:15
Date Received: 08/06/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/10/19 11:51
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1

Project Name: FORMER WWTP **Lab Number:** L1935058

Project Number: Not Specified **Report Date:** 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-11 Date Collected: 08/05/19 15:15

Client ID: MW19 02L Date Received: 08/06/19

Sample Location: SALEM NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethene, Total	1.4		ug/l	0.50	--	1
Trichloroethene	1.9		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	1.4		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1935058
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-11
Client ID: MW19 02L
Sample Location: SALEM NH
Date Collected: 08/05/19 15:15
Date Received: 08/06/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,3,5-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
Isopropyl Ether	ND		ug/l	2.0	--	1
Tert-Butyl Alcohol	ND		ug/l	10	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	100		70-130

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1935058
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-12
Client ID: MW19-02U
Sample Location: SALEM NH
Date Collected: 08/05/19 16:15
Date Received: 08/06/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/10/19 12:20
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1935058
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-12
Client ID: MW19-02U
Sample Location: SALEM NH
Date Collected: 08/05/19 16:15
Date Received: 08/06/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethene, Total	ND		ug/l	0.50	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1935058
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-12
Client ID: MW19-02U
Sample Location: SALEM NH
Date Collected: 08/05/19 16:15
Date Received: 08/06/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,3,5-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
Isopropyl Ether	ND		ug/l	2.0	--	1
Tert-Butyl Alcohol	ND		ug/l	10	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	99		70-130

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1935058
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-13
Client ID: MW19-05U
Sample Location: SALEM NH

Date Collected: 08/06/19 10:41
Date Received: 08/06/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/10/19 12:48
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1935058
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-13
Client ID: MW19-05U
Sample Location: SALEM NH
Date Collected: 08/06/19 10:41
Date Received: 08/06/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethene, Total	ND		ug/l	0.50	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1935058
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-13
Client ID: MW19-05U
Sample Location: SALEM NH
Date Collected: 08/06/19 10:41
Date Received: 08/06/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,3,5-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
Isopropyl Ether	ND		ug/l	2.0	--	1
Tert-Butyl Alcohol	ND		ug/l	10	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	100		70-130

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1935058
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-14
Client ID: GZ-611L
Sample Location: SALEM NH

Date Collected: 08/06/19 10:50
Date Received: 08/06/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/10/19 13:16
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1935058
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-14
Client ID: GZ-611L
Sample Location: SALEM NH
Date Collected: 08/06/19 10:50
Date Received: 08/06/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethene, Total	ND		ug/l	0.50	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1935058
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-14
Client ID: GZ-611L
Sample Location: SALEM NH
Date Collected: 08/06/19 10:50
Date Received: 08/06/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,3,5-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
Isopropyl Ether	ND		ug/l	2.0	--	1
Tert-Butyl Alcohol	ND		ug/l	10	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	99		70-130

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1935058
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-15
Client ID: DUP-1
Sample Location: SALEM NH
Date Collected: 08/06/19 00:00
Date Received: 08/06/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/10/19 13:45
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1

Project Name: FORMER WWTP **Lab Number:** L1935058

Project Number: Not Specified **Report Date:** 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-15 Date Collected: 08/06/19 00:00

Client ID: DUP-1 Date Received: 08/06/19

Sample Location: SALEM NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethene, Total	ND		ug/l	0.50	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1935058
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-15
Client ID: DUP-1
Sample Location: SALEM NH
Date Collected: 08/06/19 00:00
Date Received: 08/06/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,3,5-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
Isopropyl Ether	ND		ug/l	2.0	--	1
Tert-Butyl Alcohol	ND		ug/l	10	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	99		70-130

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1935058
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-16
Client ID: MW19-04U
Sample Location: SALEM NH
Date Collected: 08/06/19 11:51
Date Received: 08/06/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/10/19 14:13
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1

Project Name: FORMER WWTP **Lab Number:** L1935058

Project Number: Not Specified **Report Date:** 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-16 Date Collected: 08/06/19 11:51

Client ID: MW19-04U Date Received: 08/06/19

Sample Location: SALEM NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethene, Total	ND		ug/l	0.50	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1

Project Name: FORMER WWTP **Lab Number:** L1935058

Project Number: Not Specified **Report Date:** 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-16 Date Collected: 08/06/19 11:51

Client ID: MW19-04U Date Received: 08/06/19

Sample Location: SALEM NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,3,5-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
Isopropyl Ether	ND		ug/l	2.0	--	1
Tert-Butyl Alcohol	ND		ug/l	10	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	100		70-130

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1935058
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-17
Client ID: GZ-611U
Sample Location: SALEM NH

Date Collected: 08/06/19 12:15
Date Received: 08/06/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/10/19 14:41
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1

Project Name: FORMER WWTP **Lab Number:** L1935058

Project Number: Not Specified **Report Date:** 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-17 Date Collected: 08/06/19 12:15

Client ID: GZ-611U Date Received: 08/06/19

Sample Location: SALEM NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethene, Total	ND		ug/l	0.50	--	1
Trichloroethene	3.7		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1935058
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-17
Client ID: GZ-611U
Sample Location: SALEM NH
Date Collected: 08/06/19 12:15
Date Received: 08/06/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,3,5-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
Isopropyl Ether	ND		ug/l	2.0	--	1
Tert-Butyl Alcohol	ND		ug/l	10	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	100		70-130

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1935058
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-18
Client ID: GZ-410
Sample Location: SALEM NH
Date Collected: 08/06/19 13:16
Date Received: 08/06/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/10/19 15:10
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	2.7		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	2.6		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1

Project Name: FORMER WWTP **Lab Number:** L1935058

Project Number: Not Specified **Report Date:** 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-18 Date Collected: 08/06/19 13:16

Client ID: GZ-410 Date Received: 08/06/19

Sample Location: SALEM NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethene, Total	61		ug/l	0.50	--	1
Trichloroethene	4.1		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
Methyl tert butyl ether	1.9		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	61		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1935058
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-18
Client ID: GZ-410
Sample Location: SALEM NH
Date Collected: 08/06/19 13:16
Date Received: 08/06/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,3,5-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
Isopropyl Ether	ND		ug/l	2.0	--	1
Tert-Butyl Alcohol	ND		ug/l	10	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	99		70-130

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1935058
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-19 D
Client ID: MW19-06L
Sample Location: SALEM NH
Date Collected: 08/06/19 14:11
Date Received: 08/06/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/10/19 09:58
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	30	--	10
1,1-Dichloroethane	14		ug/l	7.5	--	10
Chloroform	ND		ug/l	7.5	--	10
Carbon tetrachloride	ND		ug/l	5.0	--	10
1,2-Dichloropropane	ND		ug/l	18	--	10
Dibromochloromethane	ND		ug/l	5.0	--	10
1,1,2-Trichloroethane	ND		ug/l	7.5	--	10
Tetrachloroethene	ND		ug/l	5.0	--	10
Chlorobenzene	ND		ug/l	5.0	--	10
Trichlorofluoromethane	ND		ug/l	25	--	10
1,2-Dichloroethane	ND		ug/l	5.0	--	10
1,1,1-Trichloroethane	34		ug/l	5.0	--	10
Bromodichloromethane	ND		ug/l	5.0	--	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	--	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	--	10
1,3-Dichloropropene, Total	ND		ug/l	5.0	--	10
1,1-Dichloropropene	ND		ug/l	25	--	10
Bromoform	ND		ug/l	20	--	10
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	--	10
Benzene	ND		ug/l	5.0	--	10
Toluene	11		ug/l	7.5	--	10
Ethylbenzene	ND		ug/l	5.0	--	10
Chloromethane	ND		ug/l	25	--	10
Bromomethane	ND		ug/l	10	--	10
Vinyl chloride	210		ug/l	10	--	10
Chloroethane	ND		ug/l	10	--	10
1,1-Dichloroethene	5.2		ug/l	5.0	--	10
trans-1,2-Dichloroethene	ND		ug/l	7.5	--	10

Project Name: FORMER WWTP **Lab Number:** L1935058

Project Number: Not Specified **Report Date:** 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-19 D Date Collected: 08/06/19 14:11
Client ID: MW19-06L Date Received: 08/06/19
Sample Location: SALEM NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethene, Total	1000		ug/l	5.0	--	10
Trichloroethene	28		ug/l	5.0	--	10
1,2-Dichlorobenzene	ND		ug/l	25	--	10
1,3-Dichlorobenzene	ND		ug/l	25	--	10
1,4-Dichlorobenzene	ND		ug/l	25	--	10
Methyl tert butyl ether	ND		ug/l	10	--	10
p/m-Xylene	ND		ug/l	10	--	10
o-Xylene	ND		ug/l	10	--	10
Xylenes, Total	ND		ug/l	10	--	10
cis-1,2-Dichloroethene	1000		ug/l	5.0	--	10
Dibromomethane	ND		ug/l	50	--	10
1,2,3-Trichloropropane	ND		ug/l	50	--	10
Styrene	ND		ug/l	10	--	10
Dichlorodifluoromethane	ND		ug/l	50	--	10
Acetone	ND		ug/l	50	--	10
Carbon disulfide	ND		ug/l	50	--	10
2-Butanone	ND		ug/l	50	--	10
4-Methyl-2-pentanone	ND		ug/l	50	--	10
2-Hexanone	ND		ug/l	50	--	10
Bromochloromethane	ND		ug/l	25	--	10
Tetrahydrofuran	ND		ug/l	50	--	10
2,2-Dichloropropane	ND		ug/l	25	--	10
1,2-Dibromoethane	ND		ug/l	20	--	10
1,1,1,2-Tetrachloroethane	ND		ug/l	5.0	--	10
Bromobenzene	ND		ug/l	25	--	10
n-Butylbenzene	ND		ug/l	5.0	--	10
sec-Butylbenzene	ND		ug/l	5.0	--	10
tert-Butylbenzene	ND		ug/l	25	--	10
o-Chlorotoluene	ND		ug/l	25	--	10
p-Chlorotoluene	ND		ug/l	25	--	10
1,2-Dibromo-3-chloropropane	ND		ug/l	25	--	10
Hexachlorobutadiene	ND		ug/l	5.0	--	10
Isopropylbenzene	ND		ug/l	5.0	--	10
p-Isopropyltoluene	ND		ug/l	5.0	--	10
Naphthalene	ND		ug/l	25	--	10
n-Propylbenzene	ND		ug/l	5.0	--	10
1,2,3-Trichlorobenzene	ND		ug/l	25	--	10

Project Name: FORMER WWTP **Lab Number:** L1935058

Project Number: Not Specified **Report Date:** 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-19 D
Client ID: MW19-06L
Sample Location: SALEM NH

Date Collected: 08/06/19 14:11
Date Received: 08/06/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	25	--	10
1,3,5-Trimethylbenzene	ND		ug/l	25	--	10
1,3,5-Trichlorobenzene	ND		ug/l	20	--	10
1,2,4-Trimethylbenzene	ND		ug/l	25	--	10
Ethyl ether	ND		ug/l	25	--	10
Isopropyl Ether	ND		ug/l	20	--	10
Tert-Butyl Alcohol	ND		ug/l	100	--	10
Ethyl-Tert-Butyl-Ether	ND		ug/l	20	--	10
Tertiary-Amyl Methyl Ether	ND		ug/l	20	--	10
1,4-Dioxane	ND		ug/l	2500	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	97		70-130

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1935058
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-20
Client ID: GZ-615U
Sample Location: SALEM NH
Date Collected: 08/06/19 14:05
Date Received: 08/06/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/10/19 09:01
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1

Project Name: FORMER WWTP **Lab Number:** L1935058

Project Number: Not Specified **Report Date:** 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-20 Date Collected: 08/06/19 14:05

Client ID: GZ-615U Date Received: 08/06/19

Sample Location: SALEM NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethene, Total	ND		ug/l	0.50	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1935058
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-20
Client ID: GZ-615U
Sample Location: SALEM NH
Date Collected: 08/06/19 14:05
Date Received: 08/06/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,3,5-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
Isopropyl Ether	ND		ug/l	2.0	--	1
Tert-Butyl Alcohol	ND		ug/l	10	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	97		70-130

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1935058
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-21
Client ID: GZ-618U
Sample Location: SALEM NH
Date Collected: 08/06/19 14:51
Date Received: 08/06/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/10/19 09:29
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	1.4		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	5.6		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	7.2		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	0.64		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	33		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	7.5		ug/l	1.0	--	1
Chloroethane	1.0		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	1.7		ug/l	0.75	--	1

Project Name: FORMER WWTP **Lab Number:** L1935058

Project Number: Not Specified **Report Date:** 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-21 Date Collected: 08/06/19 14:51

Client ID: GZ-618U Date Received: 08/06/19

Sample Location: SALEM NH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethene, Total	110		ug/l	0.50	--	1
Trichloroethene	0.82		ug/l	0.50	--	1
1,2-Dichlorobenzene	13		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	9.9		ug/l	2.5	--	1
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	6.8		ug/l	1.0	--	1
o-Xylene	7.9		ug/l	1.0	--	1
Xylenes, Total	15		ug/l	1.0	--	1
cis-1,2-Dichloroethene	110		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1935058
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-21
Client ID: GZ-618U
Sample Location: SALEM NH
Date Collected: 08/06/19 14:51
Date Received: 08/06/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,3,5-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
Isopropyl Ether	ND		ug/l	2.0	--	1
Tert-Butyl Alcohol	ND		ug/l	10	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	94		70-130

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1935058
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-22
Client ID: TRIP BLANK-1
Sample Location: SALEM NH

Date Collected: 08/06/19 00:00
Date Received: 08/06/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/10/19 08:32
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1935058
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-22
Client ID: TRIP BLANK-1
Sample Location: SALEM NH
Date Collected: 08/06/19 00:00
Date Received: 08/06/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethene, Total	ND		ug/l	0.50	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1935058
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-22
Client ID: TRIP BLANK-1
Sample Location: SALEM NH
Date Collected: 08/06/19 00:00
Date Received: 08/06/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,3,5-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
Isopropyl Ether	ND		ug/l	2.0	--	1
Tert-Butyl Alcohol	ND		ug/l	10	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	98		70-130

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1935058
Report Date: 08/13/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/10/19 08:04
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-18 Batch: WG1271529-5					
Methylene chloride	ND		ug/l	3.0	--
1,1-Dichloroethane	ND		ug/l	0.75	--
Chloroform	ND		ug/l	0.75	--
Carbon tetrachloride	ND		ug/l	0.50	--
1,2-Dichloropropane	ND		ug/l	1.8	--
Dibromochloromethane	ND		ug/l	0.50	--
1,1,2-Trichloroethane	ND		ug/l	0.75	--
Tetrachloroethene	ND		ug/l	0.50	--
Chlorobenzene	ND		ug/l	0.50	--
Trichlorofluoromethane	ND		ug/l	2.5	--
1,2-Dichloroethane	ND		ug/l	0.50	--
1,1,1-Trichloroethane	ND		ug/l	0.50	--
Bromodichloromethane	ND		ug/l	0.50	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,3-Dichloropropene, Total	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.5	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	0.75	--
Ethylbenzene	ND		ug/l	0.50	--
Chloromethane	ND		ug/l	2.5	--
Bromomethane	ND		ug/l	1.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	1.0	--
1,1-Dichloroethene	ND		ug/l	0.50	--
trans-1,2-Dichloroethene	ND		ug/l	0.75	--
1,2-Dichloroethene, Total	ND		ug/l	0.50	--

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1935058
Report Date: 08/13/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/10/19 08:04
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-18 Batch: WG1271529-5					
Trichloroethene	ND		ug/l	0.50	--
1,2-Dichlorobenzene	ND		ug/l	2.5	--
1,3-Dichlorobenzene	ND		ug/l	2.5	--
1,4-Dichlorobenzene	ND		ug/l	2.5	--
Methyl tert butyl ether	ND		ug/l	1.0	--
p/m-Xylene	ND		ug/l	1.0	--
o-Xylene	ND		ug/l	1.0	--
Xylenes, Total	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	0.50	--
Dibromomethane	ND		ug/l	5.0	--
1,2,3-Trichloropropane	ND		ug/l	5.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	5.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	5.0	--
2-Butanone	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.5	--
Tetrahydrofuran	ND		ug/l	5.0	--
2,2-Dichloropropane	ND		ug/l	2.5	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--
Bromobenzene	ND		ug/l	2.5	--
n-Butylbenzene	ND		ug/l	0.50	--
sec-Butylbenzene	ND		ug/l	0.50	--
tert-Butylbenzene	ND		ug/l	2.5	--
o-Chlorotoluene	ND		ug/l	2.5	--
p-Chlorotoluene	ND		ug/l	2.5	--

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1935058
Report Date: 08/13/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/10/19 08:04
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-18 Batch: WG1271529-5					
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--
Hexachlorobutadiene	ND		ug/l	0.50	--
Isopropylbenzene	ND		ug/l	0.50	--
p-Isopropyltoluene	ND		ug/l	0.50	--
Naphthalene	ND		ug/l	2.5	--
n-Propylbenzene	ND		ug/l	0.50	--
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--
1,3,5-Trichlorobenzene	ND		ug/l	2.0	--
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--
Ethyl ether	ND		ug/l	2.5	--
Isopropyl Ether	ND		ug/l	2.0	--
Tert-Butyl Alcohol	ND		ug/l	10	--
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--
1,4-Dioxane	ND		ug/l	250	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	98		70-130

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1935058
Report Date: 08/13/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/10/19 08:04
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 19-22 Batch: WG1271803-5					
Methylene chloride	ND		ug/l	3.0	--
1,1-Dichloroethane	ND		ug/l	0.75	--
Chloroform	ND		ug/l	0.75	--
Carbon tetrachloride	ND		ug/l	0.50	--
1,2-Dichloropropane	ND		ug/l	1.8	--
Dibromochloromethane	ND		ug/l	0.50	--
1,1,2-Trichloroethane	ND		ug/l	0.75	--
Tetrachloroethene	ND		ug/l	0.50	--
Chlorobenzene	ND		ug/l	0.50	--
Trichlorofluoromethane	ND		ug/l	2.5	--
1,2-Dichloroethane	ND		ug/l	0.50	--
1,1,1-Trichloroethane	ND		ug/l	0.50	--
Bromodichloromethane	ND		ug/l	0.50	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,3-Dichloropropene, Total	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.5	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	0.75	--
Ethylbenzene	ND		ug/l	0.50	--
Chloromethane	ND		ug/l	2.5	--
Bromomethane	ND		ug/l	1.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	1.0	--
1,1-Dichloroethene	ND		ug/l	0.50	--
trans-1,2-Dichloroethene	ND		ug/l	0.75	--
1,2-Dichloroethene, Total	ND		ug/l	0.50	--

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1935058
Report Date: 08/13/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/10/19 08:04
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 19-22 Batch: WG1271803-5					
Trichloroethene	ND		ug/l	0.50	--
1,2-Dichlorobenzene	ND		ug/l	2.5	--
1,3-Dichlorobenzene	ND		ug/l	2.5	--
1,4-Dichlorobenzene	ND		ug/l	2.5	--
Methyl tert butyl ether	ND		ug/l	1.0	--
p/m-Xylene	ND		ug/l	1.0	--
o-Xylene	ND		ug/l	1.0	--
Xylenes, Total	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	0.50	--
Dibromomethane	ND		ug/l	5.0	--
1,2,3-Trichloropropane	ND		ug/l	5.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	5.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	5.0	--
2-Butanone	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.5	--
Tetrahydrofuran	ND		ug/l	5.0	--
2,2-Dichloropropane	ND		ug/l	2.5	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--
Bromobenzene	ND		ug/l	2.5	--
n-Butylbenzene	ND		ug/l	0.50	--
sec-Butylbenzene	ND		ug/l	0.50	--
tert-Butylbenzene	ND		ug/l	2.5	--
o-Chlorotoluene	ND		ug/l	2.5	--
p-Chlorotoluene	ND		ug/l	2.5	--

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1935058
Report Date: 08/13/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/10/19 08:04
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 19-22 Batch: WG1271803-5					
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--
Hexachlorobutadiene	ND		ug/l	0.50	--
Isopropylbenzene	ND		ug/l	0.50	--
p-Isopropyltoluene	ND		ug/l	0.50	--
Naphthalene	ND		ug/l	2.5	--
n-Propylbenzene	ND		ug/l	0.50	--
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--
1,3,5-Trichlorobenzene	ND		ug/l	2.0	--
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--
Ethyl ether	ND		ug/l	2.5	--
Isopropyl Ether	ND		ug/l	2.0	--
Tert-Butyl Alcohol	ND		ug/l	10	--
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--
1,4-Dioxane	ND		ug/l	250	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	97		70-130

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1935058
Report Date: 08/13/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/13/19 11:22
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1271806-5					
Methylene chloride	ND		ug/l	3.0	--
1,1-Dichloroethane	ND		ug/l	0.75	--
Chloroform	ND		ug/l	0.75	--
Carbon tetrachloride	ND		ug/l	0.50	--
1,2-Dichloropropane	ND		ug/l	1.8	--
Dibromochloromethane	ND		ug/l	0.50	--
1,1,2-Trichloroethane	ND		ug/l	0.75	--
Tetrachloroethene	ND		ug/l	0.50	--
Chlorobenzene	ND		ug/l	0.50	--
Trichlorofluoromethane	ND		ug/l	2.5	--
1,2-Dichloroethane	ND		ug/l	0.50	--
1,1,1-Trichloroethane	ND		ug/l	0.50	--
Bromodichloromethane	ND		ug/l	0.50	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,3-Dichloropropene, Total	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.5	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	0.75	--
Ethylbenzene	ND		ug/l	0.50	--
Chloromethane	ND		ug/l	2.5	--
Bromomethane	ND		ug/l	1.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	1.0	--
1,1-Dichloroethene	ND		ug/l	0.50	--
trans-1,2-Dichloroethene	ND		ug/l	0.75	--
1,2-Dichloroethene, Total	ND		ug/l	0.50	--

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1935058
Report Date: 08/13/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/13/19 11:22
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1271806-5					
Trichloroethene	ND		ug/l	0.50	--
1,2-Dichlorobenzene	ND		ug/l	2.5	--
1,3-Dichlorobenzene	ND		ug/l	2.5	--
1,4-Dichlorobenzene	ND		ug/l	2.5	--
Methyl tert butyl ether	ND		ug/l	1.0	--
p/m-Xylene	ND		ug/l	1.0	--
o-Xylene	ND		ug/l	1.0	--
Xylenes, Total	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	0.50	--
Dibromomethane	ND		ug/l	5.0	--
1,2,3-Trichloropropane	ND		ug/l	5.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	5.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	5.0	--
2-Butanone	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.5	--
Tetrahydrofuran	ND		ug/l	5.0	--
2,2-Dichloropropane	ND		ug/l	2.5	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--
Bromobenzene	ND		ug/l	2.5	--
n-Butylbenzene	ND		ug/l	0.50	--
sec-Butylbenzene	ND		ug/l	0.50	--
tert-Butylbenzene	ND		ug/l	2.5	--
o-Chlorotoluene	ND		ug/l	2.5	--
p-Chlorotoluene	ND		ug/l	2.5	--

Project Name: FORMER WWTP
Project Number: Not Specified
Lab Number: L1935058
Report Date: 08/13/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/13/19 11:22
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1271806-5					
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--
Hexachlorobutadiene	ND		ug/l	0.50	--
Isopropylbenzene	ND		ug/l	0.50	--
p-Isopropyltoluene	ND		ug/l	0.50	--
Naphthalene	ND		ug/l	2.5	--
n-Propylbenzene	ND		ug/l	0.50	--
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--
1,3,5-Trichlorobenzene	ND		ug/l	2.0	--
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--
Ethyl ether	ND		ug/l	2.5	--
Isopropyl Ether	ND		ug/l	2.0	--
Tert-Butyl Alcohol	ND		ug/l	10	--
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--
1,4-Dioxane	ND		ug/l	250	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	81		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	95		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER WWTP
Project Number: Not Specified

Lab Number: L1935058
Report Date: 08/13/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-18 Batch: WG1271529-3 WG1271529-4								
Methylene chloride	110		110		70-130	0		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	110		100		70-130	10		20
Carbon tetrachloride	110		120		63-132	9		20
1,2-Dichloropropane	110		110		70-130	0		20
Dibromochloromethane	110		110		63-130	0		20
1,1,2-Trichloroethane	110		110		70-130	0		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	110		110		75-130	0		25
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	110		110		67-130	0		20
Bromodichloromethane	110		110		67-130	0		20
trans-1,3-Dichloropropene	110		110		70-130	0		20
cis-1,3-Dichloropropene	110		110		70-130	0		20
1,1-Dichloropropene	110		110		70-130	0		20
Bromoform	100		100		54-136	0		20
1,1,2,2-Tetrachloroethane	110		110		67-130	0		20
Benzene	110		110		70-130	0		25
Toluene	100		110		70-130	10		25
Ethylbenzene	100		110		70-130	10		20
Chloromethane	110		110		64-130	0		20
Bromomethane	99		100		39-139	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER WWTP
Project Number: Not Specified

Lab Number: L1935058
Report Date: 08/13/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-18 Batch: WG1271529-3 WG1271529-4								
Vinyl chloride	110		110		55-140	0		20
Chloroethane	120		120		55-138	0		20
1,1-Dichloroethene	110		110		61-145	0		25
trans-1,2-Dichloroethene	110		110		70-130	0		20
Trichloroethene	110		110		70-130	0		25
1,2-Dichlorobenzene	110		110		70-130	0		20
1,3-Dichlorobenzene	110		110		70-130	0		20
1,4-Dichlorobenzene	110		110		70-130	0		20
Methyl tert butyl ether	110		110		63-130	0		20
p/m-Xylene	105		110		70-130	5		20
o-Xylene	105		110		70-130	5		20
cis-1,2-Dichloroethene	110		110		70-130	0		20
Dibromomethane	110		110		70-130	0		20
1,2,3-Trichloropropane	130		100		64-130	**26**	Q	20
Styrene	110		110		70-130	0		20
Dichlorodifluoromethane	100		100		36-147	0		20
Acetone	**150**	Q	120		58-148	**22**	Q	20
Carbon disulfide	100		110		51-130	10		20
2-Butanone	120		110		63-138	9		20
4-Methyl-2-pentanone	100		110		59-130	10		20
2-Hexanone	110		120		57-130	9		20
Bromochloromethane	120		120		70-130	0		20
Tetrahydrofuran	130		120		58-130	8		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER WWTP
Project Number: Not Specified

Lab Number: L1935058
Report Date: 08/13/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-18 Batch: WG1271529-3 WG1271529-4								
2,2-Dichloropropane	110		120		63-133	9		20
1,2-Dibromoethane	110		110		70-130	0		20
1,1,1,2-Tetrachloroethane	110		110		64-130	0		20
Bromobenzene	110		110		70-130	0		20
n-Butylbenzene	97		100		53-136	3		20
sec-Butylbenzene	99		100		70-130	1		20
tert-Butylbenzene	100		110		70-130	10		20
o-Chlorotoluene	100		100		70-130	0		20
p-Chlorotoluene	110		110		70-130	0		20
1,2-Dibromo-3-chloropropane	100		110		41-144	10		20
Hexachlorobutadiene	100		110		63-130	10		20
Isopropylbenzene	100		110		70-130	10		20
p-Isopropyltoluene	100		100		70-130	0		20
Naphthalene	100		110		70-130	10		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	100		110		70-130	10		20
1,2,4-Trichlorobenzene	100		110		70-130	10		20
1,3,5-Trimethylbenzene	100		110		64-130	10		20
1,3,5-Trichlorobenzene	110		110		70-130	0		20
1,2,4-Trimethylbenzene	110		110		70-130	0		20
Ethyl ether	110		110		59-134	0		20
Isopropyl Ether	110		120		70-130	9		20
Tert-Butyl Alcohol	**136**	Q	**136**	Q	70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER WWTP

Project Number: Not Specified

Lab Number: L1935058

Report Date: 08/13/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-18 Batch: WG1271529-3 WG1271529-4								
Ethyl-Tert-Butyl-Ether	110		110		70-130	0		20
Tertiary-Amyl Methyl Ether	110		110		66-130	0		20
1,4-Dioxane	**180**	Q	**198**	Q	56-162	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		99		70-130
Toluene-d8	98		99		70-130
4-Bromofluorobenzene	99		99		70-130
Dibromofluoromethane	101		101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER WWTP
Project Number: Not Specified

Lab Number: L1935058
Report Date: 08/13/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 19-22 Batch: WG1271803-3 WG1271803-4								
Methylene chloride	110		100		70-130	10		20
1,1-Dichloroethane	100		99		70-130	1		20
Chloroform	99		100		70-130	1		20
Carbon tetrachloride	99		100		63-132	1		20
1,2-Dichloropropane	97		100		70-130	3		20
Dibromochloromethane	97		98		63-130	1		20
1,1,2-Trichloroethane	110		110		70-130	0		20
Tetrachloroethene	92		93		70-130	1		20
Chlorobenzene	97		98		75-130	1		25
Trichlorofluoromethane	98		98		62-150	0		20
1,2-Dichloroethane	96		96		70-130	0		20
1,1,1-Trichloroethane	97		99		67-130	2		20
Bromodichloromethane	98		100		67-130	2		20
trans-1,3-Dichloropropene	110		110		70-130	0		20
cis-1,3-Dichloropropene	72		77		70-130	7		20
1,1-Dichloropropene	100		100		70-130	0		20
Bromoform	94		91		54-136	3		20
1,1,2,2-Tetrachloroethane	110		110		67-130	0		20
Benzene	110		110		70-130	0		25
Toluene	100		100		70-130	0		25
Ethylbenzene	100		100		70-130	0		20
Chloromethane	87		86		64-130	1		20
Bromomethane	61		68		39-139	11		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER WWTP
Project Number: Not Specified

Lab Number: L1935058
Report Date: 08/13/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 19-22 Batch: WG1271803-3 WG1271803-4								
Vinyl chloride	97		94		55-140	3		20
Chloroethane	98		99		55-138	1		20
1,1-Dichloroethene	100		100		61-145	0		25
trans-1,2-Dichloroethene	100		99		70-130	1		20
Trichloroethene	100		100		70-130	0		25
1,2-Dichlorobenzene	96		96		70-130	0		20
1,3-Dichlorobenzene	97		97		70-130	0		20
1,4-Dichlorobenzene	95		97		70-130	2		20
Methyl tert butyl ether	110		110		63-130	0		20
p/m-Xylene	100		105		70-130	5		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Dibromomethane	97		97		70-130	0		20
1,2,3-Trichloropropane	110		110		64-130	0		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	86		84		36-147	2		20
Acetone	130		110		58-148	17		20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	110		110		63-138	0		20
4-Methyl-2-pentanone	110		110		59-130	0		20
2-Hexanone	110		110		57-130	0		20
Bromochloromethane	96		97		70-130	1		20
Tetrahydrofuran	99		100		58-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER WWTP
Project Number: Not Specified

Lab Number: L1935058
Report Date: 08/13/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 19-22 Batch: WG1271803-3 WG1271803-4								
2,2-Dichloropropane	100		100		63-133	0		20
1,2-Dibromoethane	100		100		70-130	0		20
1,1,1,2-Tetrachloroethane	94		94		64-130	0		20
Bromobenzene	96		94		70-130	2		20
n-Butylbenzene	110		110		53-136	0		20
sec-Butylbenzene	**64**	Q	**68**	Q	70-130	6		20
tert-Butylbenzene	100		100		70-130	0		20
o-Chlorotoluene	100		110		70-130	10		20
p-Chlorotoluene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	98		96		41-144	2		20
Hexachlorobutadiene	87		86		63-130	1		20
Isopropylbenzene	100		110		70-130	10		20
p-Isopropyltoluene	100		100		70-130	0		20
Naphthalene	97		100		70-130	3		20
n-Propylbenzene	110		110		69-130	0		20
1,2,3-Trichlorobenzene	93		92		70-130	1		20
1,2,4-Trichlorobenzene	92		91		70-130	1		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,3,5-Trichlorobenzene	96		97		70-130	1		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
Ethyl ether	110		110		59-134	0		20
Isopropyl Ether	100		100		70-130	0		20
Tert-Butyl Alcohol	**140**	Q	**136**	Q	70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER WWTP

Project Number: Not Specified

Lab Number: L1935058

Report Date: 08/13/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 19-22 Batch: WG1271803-3 WG1271803-4								
Ethyl-Tert-Butyl-Ether	100		100		70-130	0		20
Tertiary-Amyl Methyl Ether	97		100		66-130	3		20
1,4-Dioxane	**174**	Q	162		56-162	7		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		103		70-130
Toluene-d8	105		104		70-130
4-Bromofluorobenzene	107		104		70-130
Dibromofluoromethane	97		97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER WWTP
Project Number: Not Specified

Lab Number: L1935058
Report Date: 08/13/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1271806-3 WG1271806-4								
Methylene chloride	95		100		70-130	5		20
1,1-Dichloroethane	86		90		70-130	5		20
Chloroform	83		88		70-130	6		20
Carbon tetrachloride	74		82		63-132	10		20
1,2-Dichloropropane	93		99		70-130	6		20
Dibromochloromethane	86		87		63-130	1		20
1,1,2-Trichloroethane	99		100		70-130	1		20
Tetrachloroethene	85		92		70-130	8		20
Chlorobenzene	91		95		75-130	4		25
Trichlorofluoromethane	66		77		62-150	15		20
1,2-Dichloroethane	71		74		70-130	4		20
1,1,1-Trichloroethane	74		82		67-130	10		20
Bromodichloromethane	81		86		67-130	6		20
trans-1,3-Dichloropropene	87		90		70-130	3		20
cis-1,3-Dichloropropene	70		75		70-130	7		20
1,1-Dichloropropene	84		92		70-130	9		20
Bromoform	83		88		54-136	6		20
1,1,2,2-Tetrachloroethane	100		100		67-130	0		20
Benzene	99		100		70-130	1		25
Toluene	93		98		70-130	5		25
Ethylbenzene	89		96		70-130	8		20
Chloromethane	66		72		64-130	9		20
Bromomethane	51		60		39-139	16		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER WWTP
Project Number: Not Specified

Lab Number: L1935058
Report Date: 08/13/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1271806-3 WG1271806-4								
Vinyl chloride	71		77		55-140	8		20
Chloroethane	79		85		55-138	7		20
1,1-Dichloroethene	92		100		61-145	8		25
trans-1,2-Dichloroethene	93		100		70-130	7		20
Trichloroethene	90		97		70-130	7		25
1,2-Dichlorobenzene	88		92		70-130	4		20
1,3-Dichlorobenzene	90		93		70-130	3		20
1,4-Dichlorobenzene	86		90		70-130	5		20
Methyl tert butyl ether	94		97		63-130	3		20
p/m-Xylene	90		95		70-130	5		20
o-Xylene	90		95		70-130	5		20
cis-1,2-Dichloroethene	98		100		70-130	2		20
Dibromomethane	84		88		70-130	5		20
1,2,3-Trichloropropane	91		92		64-130	1		20
Styrene	90		95		70-130	5		20
Dichlorodifluoromethane	51		60		36-147	16		20
Acetone	88		85		58-148	3		20
Carbon disulfide	91		99		51-130	8		20
2-Butanone	92		89		63-138	3		20
4-Methyl-2-pentanone	92		94		59-130	2		20
2-Hexanone	86		86		57-130	0		20
Bromochloromethane	97		99		70-130	2		20
Tetrahydrofuran	90		91		58-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER WWTP
Project Number: Not Specified

Lab Number: L1935058
Report Date: 08/13/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1271806-3 WG1271806-4								
2,2-Dichloropropane	75		80		63-133	6		20
1,2-Dibromoethane	96		97		70-130	1		20
1,1,1,2-Tetrachloroethane	83		86		64-130	4		20
Bromobenzene	90		92		70-130	2		20
n-Butylbenzene	89		95		53-136	7		20
sec-Butylbenzene	**57**	Q	**63**	Q	70-130	10		20
tert-Butylbenzene	88		94		70-130	7		20
o-Chlorotoluene	91		98		70-130	7		20
p-Chlorotoluene	91		96		70-130	5		20
1,2-Dibromo-3-chloropropane	89		86		41-144	3		20
Hexachlorobutadiene	73		80		63-130	9		20
Isopropylbenzene	92		99		70-130	7		20
p-Isopropyltoluene	89		96		70-130	8		20
Naphthalene	90		94		70-130	4		20
n-Propylbenzene	91		100		69-130	9		20
1,2,3-Trichlorobenzene	84		84		70-130	0		20
1,2,4-Trichlorobenzene	84		88		70-130	5		20
1,3,5-Trimethylbenzene	92		95		64-130	3		20
1,3,5-Trichlorobenzene	84		89		70-130	6		20
1,2,4-Trimethylbenzene	91		96		70-130	5		20
Ethyl ether	100		100		59-134	0		20
Isopropyl Ether	86		91		70-130	6		20
Tert-Butyl Alcohol	94		92		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER WWTP
Project Number: Not Specified

Lab Number: L1935058
Report Date: 08/13/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1271806-3 WG1271806-4								
Ethyl-Tert-Butyl-Ether	88		91		70-130	3		20
Tertiary-Amyl Methyl Ether	89		90		66-130	1		20
1,4-Dioxane	120		112		56-162	7		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	79		79		70-130
Toluene-d8	102		104		70-130
4-Bromofluorobenzene	100		103		70-130
Dibromofluoromethane	93		94		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER WWTP

Project Number: Not Specified

Lab Number: L1935058

Report Date: 08/13/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab GZ-611U	Associated sample(s): 01-18		QC Batch ID: WG1271529-6			WG1271529-7			QC Sample: L1935058-17			Client ID:
Methylene chloride	ND	10	12	120		11	110		70-130	9		20
1,1-Dichloroethane	ND	10	12	120		12	120		70-130	0		20
Chloroform	ND	10	11	110		12	120		70-130	9		20
Carbon tetrachloride	ND	10	13	130		13	130		63-132	0		20
1,2-Dichloropropane	ND	10	12	120		12	120		70-130	0		20
Dibromochloromethane	ND	10	12	120		11	110		63-130	9		20
1,1,2-Trichloroethane	ND	10	12	120		12	120		70-130	0		20
Tetrachloroethene	ND	10	12	120		12	120		70-130	0		20
Chlorobenzene	ND	10	11	110		11	110		75-130	0		25
Trichlorofluoromethane	ND	10	13	130		13	130		62-150	0		20
1,2-Dichloroethane	ND	10	12	120		12	120		70-130	0		20
1,1,1-Trichloroethane	ND	10	13	130		13	130		67-130	0		20
Bromodichloromethane	ND	10	12	120		12	120		67-130	0		20
trans-1,3-Dichloropropene	ND	10	11	110		11	110		70-130	0		20
cis-1,3-Dichloropropene	ND	10	11	110		11	110		70-130	0		20
1,1-Dichloropropene	ND	10	12	120		12	120		70-130	0		20
Bromoform	ND	10	11	110		10	100		54-136	10		20
1,1,2,2-Tetrachloroethane	ND	10	12	120		11	110		67-130	9		20
Benzene	ND	10	12	120		12	120		70-130	0		25
Toluene	ND	10	12	120		11	110		70-130	9		25
Ethylbenzene	ND	10	11	110		11	110		70-130	0		20
Chloromethane	ND	10	11	110		11	110		64-130	0		20
Bromomethane	ND	10	5.8	58		8.3	83		39-139	**35**	Q	20

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER WWTP
Project Number: Not Specified

Lab Number: L1935058
Report Date: 08/13/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-18 QC Batch ID: WG1271529-6 WG1271529-7 QC Sample: L1935058-17 Client ID: GZ-611U												
Vinyl chloride	ND	10	12	120		12	120		55-140	0		20
Chloroethane	ND	10	12	120		12	120		55-138	0		20
1,1-Dichloroethene	ND	10	12	120		12	120		61-145	0		25
trans-1,2-Dichloroethene	ND	10	12	120		12	120		70-130	0		20
Trichloroethene	3.7	10	15	113		16	123		70-130	6		25
1,2-Dichlorobenzene	ND	10	11	110		11	110		70-130	0		20
1,3-Dichlorobenzene	ND	10	11	110		11	110		70-130	0		20
1,4-Dichlorobenzene	ND	10	11	110		11	110		70-130	0		20
Methyl tert butyl ether	ND	10	12	120		12	120		63-130	0		20
p/m-Xylene	ND	20	23	115		23	115		70-130	0		20
o-Xylene	ND	20	23	115		23	115		70-130	0		20
cis-1,2-Dichloroethene	ND	10	12	120		12	120		70-130	0		20
Dibromomethane	ND	10	12	120		12	120		70-130	0		20
1,2,3-Trichloropropane	ND	10	11	110		11	110		64-130	0		20
Styrene	ND	20	24	120		23	115		70-130	4		20
Dichlorodifluoromethane	ND	10	12	120		13	130		36-147	8		20
Acetone	ND	10	15	**150**	Q	14	140		58-148	7		20
Carbon disulfide	ND	10	12	120		12	120		51-130	0		20
2-Butanone	ND	10	12	120		12	120		63-138	0		20
4-Methyl-2-pentanone	ND	10	13	130		13	130		59-130	0		20
2-Hexanone	ND	10	12	120		12	120		57-130	0		20
Bromochloromethane	ND	10	13	130		13	130		70-130	0		20
Tetrahydrofuran	ND	10	12	120		12	120		58-130	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER WWTP
Project Number: Not Specified

Lab Number: L1935058
Report Date: 08/13/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-18 QC Batch ID: WG1271529-6 WG1271529-7 QC Sample: L1935058-17 Client ID: GZ-611U												
2,2-Dichloropropane	ND	10	11	110		11	110		63-133	0		20
1,2-Dibromoethane	ND	10	12	120		11	110		70-130	9		20
1,1,1,2-Tetrachloroethane	ND	10	12	120		12	120		64-130	0		20
Bromobenzene	ND	10	12	120		12	120		70-130	0		20
n-Butylbenzene	ND	10	11	110		11	110		53-136	0		20
sec-Butylbenzene	ND	10	11	110		11	110		70-130	0		20
tert-Butylbenzene	ND	10	11	110		11	110		70-130	0		20
o-Chlorotoluene	ND	10	11	110		11	110		70-130	0		20
p-Chlorotoluene	ND	10	11	110		11	110		70-130	0		20
1,2-Dibromo-3-chloropropane	ND	10	11	110		11	110		41-144	0		20
Hexachlorobutadiene	ND	10	10	100		12	120		63-130	18		20
Isopropylbenzene	ND	10	11	110		11	110		70-130	0		20
p-Isopropyltoluene	ND	10	11	110		11	110		70-130	0		20
Naphthalene	ND	10	11	110		12	120		70-130	9		20
n-Propylbenzene	ND	10	11	110		11	110		69-130	0		20
1,2,3-Trichlorobenzene	ND	10	11	110		12	120		70-130	9		20
1,2,4-Trichlorobenzene	ND	10	11	110		12	120		70-130	9		20
1,3,5-Trimethylbenzene	ND	10	11	110		11	110		64-130	0		20
1,3,5-Trichlorobenzene	ND	10	11	110		11	110		70-130	0		20
1,2,4-Trimethylbenzene	ND	10	11	110		11	110		70-130	0		20
Ethyl ether	ND	10	12	120		11	110		59-134	9		20
Isopropyl Ether	ND	10	12	120		12	120		70-130	0		20
Tert-Butyl Alcohol	ND	50	62	124		63	126		70-130	2		20

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER WWTP

Project Number: Not Specified

Lab Number: L1935058

Report Date: 08/13/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-18 QC Batch ID: WG1271529-6 WG1271529-7 QC Sample: L1935058-17 Client ID: GZ-611U												
Ethyl-Tert-Butyl-Ether	ND	10	12	120		12	120		70-130	0		20
Tertiary-Amyl Methyl Ether	ND	10	12	120		12	120		66-130	0		20
1,4-Dioxane	ND	500	620	124		740	148		56-162	18		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		103		70-130
4-Bromofluorobenzene	95		96		70-130
Dibromofluoromethane	102		102		70-130
Toluene-d8	97		97		70-130

SEMIVOLATILES

Project Name: FORMER WWTP
Project Number: Not Specified

Lab Number: L1935058
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-14
Client ID: GZ-611L
Sample Location: SALEM NH

Date Collected: 08/06/19 10:50
Date Received: 08/06/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/09/19 11:33
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 08/08/19 17:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	150	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	30		15-110

Project Name: FORMER WWTP
Project Number: Not Specified

Lab Number: L1935058
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-15
Client ID: DUP-1
Sample Location: SALEM NH

Date Collected: 08/06/19 00:00
Date Received: 08/06/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/09/19 11:56
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 08/08/19 17:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	150	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	35		15-110

Project Name: FORMER WWTP
Project Number: Not Specified

Lab Number: L1935058
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-17
Client ID: GZ-611U
Sample Location: SALEM NH

Date Collected: 08/06/19 12:15
Date Received: 08/06/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/09/19 10:28
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 08/08/19 17:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	150	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	36		15-110

Project Name: FORMER WWTP
Project Number: Not Specified

Lab Number: L1935058
Report Date: 08/13/19

SAMPLE RESULTS

Lab ID: L1935058-23
Client ID: GZ-601U
Sample Location: SALEM NH

Date Collected: 08/06/19 14:55
Date Received: 08/06/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/09/19 12:18
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 08/08/19 17:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	8990		ng/l	163	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	34		15-110

Project Name: FORMER WWTP
Project Number: Not Specified

Lab Number: L1935058
Report Date: 08/13/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/09/19 09:23
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 08/08/19 17:30

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270D-SIM - Mansfield Lab for sample(s): 14-15,17,23 Batch: WG1270249-1					
1,4-Dioxane	ND		ng/l	150	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	36		15-110

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER WWTP

Project Number: Not Specified

Lab Number: L1935058

Report Date: 08/13/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270D-SIM - Mansfield Lab	Associated sample(s): 14-15,17,23		Batch: WG1270249-2		WG1270249-3			
1,4-Dioxane	123		122		40-140	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	29		36		15-110

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER WWTP

Project Number: Not Specified

Lab Number: L1935058

Report Date: 08/13/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270D-SIM - Mansfield Lab GZ-611U	Associated sample(s): 14-15,17,23		QC Batch ID: WG1270249-4			WG1270249-5			QC Sample: L1935058-17			Client ID:
1,4-Dioxane	ND	5000	6180	124		6530	125		40-140	6		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,4-Dioxane-d8	31		38		15-110

Project Name: FORMER WWTP
Project Number: Not Specified

Lab Number: L1935058
Report Date: 08/13/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1935058-01A	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-01B	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-01C	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-02A	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-02B	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-02C	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-03A	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-03B	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-03C	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-04A	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-04B	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-04C	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-05A	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-05B	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-05C	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-06A	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-06B	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-06C	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-07A	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-07B	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-07C	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-08A	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-08B	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)

*Values in parentheses indicate holding time in days

Project Name: FORMER WWTP
Project Number: Not Specified

Lab Number: L1935058
Report Date: 08/13/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1935058-08C	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-09A	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-09B	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-09C	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-10A	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-10B	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-10C	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-11A	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-11B	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-11C	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-12A	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-12B	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-12C	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-13A	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-13B	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-13C	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-14A	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-14B	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-14C	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-14D	Amber 250ml unpreserved	A	7	7	4.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1935058-14E	Amber 250ml unpreserved	A	7	7	4.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1935058-15A	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-15B	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-15C	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-15D	Amber 250ml unpreserved	A	7	7	4.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1935058-15E	Amber 250ml unpreserved	A	7	7	4.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1935058-16A	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-16B	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1935058-16C	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-17A	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-17A1	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-17A2	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-17B	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-17B1	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-17B2	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-17C	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-17C1	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-17C2	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-17D	Amber 250ml unpreserved	A	7	7	4.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1935058-17E	Amber 250ml unpreserved	A	7	7	4.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1935058-17F	Amber 250ml unpreserved	A	7	7	4.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1935058-17G	Amber 250ml unpreserved	A	7	7	4.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1935058-17H	Amber 250ml unpreserved	A	7	7	4.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1935058-17I	Amber 250ml unpreserved	A	7	7	4.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1935058-18A	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-18B	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-18C	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-19A	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-19B	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-19C	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-20A	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-20B	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-20C	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-21A	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-21B	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-21C	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)

*Values in parentheses indicate holding time in days

Project Name: FORMER WWTP
Project Number: Not Specified

Lab Number: L1935058
Report Date: 08/13/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1935058-22A	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-22B	Vial HCl preserved	A	NA		4.2	Y	Absent		8260-NH(14)
L1935058-23D	Amber 250ml unpreserved	A	7	7	4.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1935058-23E	Amber 250ml unpreserved	A	7	7	4.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)

*Values in parentheses indicate holding time in days

Project Name:	FORMER WWTP	**Lab Number:**	L1935058
Project Number:	Not Specified	**Report Date:**	08/13/19

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: Data Usability Report

Project Name:	FORMER WWTP	**Lab Number:**	L1935058
Project Number:	Not Specified	**Report Date:**	08/13/19

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: Data Usability Report

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

CHAIN OF CUSTODY

PAGE 1 OF 3

Date Rec'd in Lab: 8/6/19

ALPHA Job #: L1935058

ALPHA Analytical
8 Walkup Drive, Westboro, MA 01581, Tel: 508-898-9220
320 Forbes Blvd, Mansfield, MA 02048, Tel: 508-822-9300

Project Information

Project Name: FORMER WWTP

Project Location: SALEM NH

Project #:

Project Manager: SAM OLNEY

ALPHA Quote #:

Report Information - Data Deliverables

☐ ADEx ☐ EMAIL

Billing Information

☐ Same as Client Info PO #:

Client Information

Client: WOODARD & CURRAN

Address: 40 Shattuck Rd Suite 110
ANDOVER MA 01810

Phone:

Email: solney@woodardcurran.com

Regulatory Requirements & Project Information Requirements

☐ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods
☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
☐ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)
☐ Yes ☐ No NPDES RGP
☐ Other State /Fed Program _____ Criteria _____

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due:

Additional Project Information:
VOC 8260C FULL NHDES LIST

ANALYSIS

VOC: ☒ 8260 ☐ 624 ☐ 524.2
SVOC: ☐ ABN ☐ PAH
METALS: ☐ MCP 13 ☐ MCP 14 ☐ RCP 15
METALS: ☐ RCRA5 ☐ RCRA8 ☐ PP13
EPH: ☐ Ranges & Targets ☐ Ranges Only
VPH: ☐ Ranges & Targets ☐ Ranges Only
☐ PCB ☐ PEST
TPH: ☐ Quant Only ☐ Fingerprint

SAMPLE INFO
Filtration
☐ Field
☐ Lab to do
Preservation
☐ Lab to do

Sample Comments

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	VOC															TOTAL # BOTTLES
35058-01	GZ-1U	8-5-19	906	GW	RM	X															3
-02	UW19-01U		945	GW	NF	X															
-03	GZ-6		1011	GW	RM	X															
-04	MW19-03U		1106	GW	RM	X															
-05	GZ-203L		1145	GW	NF	X															
-06	GZ-5R		1201	GW	RM	X															
-07	GZ-401L		1311	GW	RM	X															
-08	GZ-4U		1406	GW	RM	X															
-09	GZ-4L		1446	GW	RM	X															
-10	MW19-01U		1345	GW	NF	X															
						Container Type	V														
						Preservative	b														

Container Type
P= Plastic
A= Amber glass
V= Vial
G= Glass
B= Bacteria cup
C= Cube
O= Other
E= Encore
D= BOD Bottle

Preservative
A= None
B= HCl
C= HNO_3
D= H_2SO_4
E= NaOH
F= MeOH
G= $NaHSO_4$
H = $Na_2S_2O_3$
I= Ascorbic Acid
J = NH_4Cl
K= Zn Acetate
O= Other

Relinquished By:	Date/Time	Received By:	Date/Time
	8/6/19 1500		8/6/19 1510
	8/6/19 1601		8/6/19 1600

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)

CHAIN OF CUSTODY

PAGE 2 OF 3

Date Rec'd in Lab: 8/6/19

ALPHA Job #: L1935058

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Client Information

Client: WOODARD & CURRAN

Address: 40 SHATTUCK Dr Suite110
ANDOVER MA 01810

Phone:

Email: Soney@woodardcurran.com

Project Information

Project Name: FORMER FWTP

Project Location: SALEM NH

Project #:

Project Manager: SAM Olney

ALPHA Quote #:

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due:

Additional Project Information:

Report Information - Data Deliverables

☒ ADEx ☒ EMAIL

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements & Project Information Requirements

☐ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods
☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
☐ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)
☐ Yes ☐ No NPDES RGP
☐ Other State /Fed Program _____ Criteria _____

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	ANALYSIS: VOC: ☐ 8260 ☐ 624 ☐ 524.2	SVOC: ☐ ABN ☐ PAH	METALS: ☐ MCP 13 ☐ MCP 14 ☐ RCP 15	METALS: ☐ RCRA5 ☐ RCRA8 ☐ PP13	EPH: ☐ Ranges & Targets ☐ Ranges Only	VPH: ☐ Ranges & Targets ☐ Ranges Only	☐ PCB ☐ PEST	TPH: ☐ Quant Only ☐ Fingerprint	1,4 DIOXANE 8270 SIM O.Ambient	SAMPLE INFO: Filtration ☐ Field ☐ Lab to do; Preservation ☐ Lab to do	Sample Comments	TOTAL # BOTTLES
35058-11	MW19 02L	8-5-19	1515	GW	NF	X											3
-12	MW19-02U	8-5-19	1615	GW	NF	X											3
-13	~~MW19-04L~~ MW19-05U	8-6-19	1041	GW	RM	X											3
-14	GZ-611L	8-6-19	1050	GW	NF	X							X				5
-15	DUP-1	8-6-19	—	GW	NF	X							X				5
-16	MW19-04U	8-6-19	1151	GW	RM	X											3
-17	GZ-~~10~~611U	8-6-19	1215	GW	NF	X							X				5
-17	MS-GZ611U	8-6-19	1215	GW	NF	X							X				5
-17	MSD-GZ-611U	8-6-19	1215	GW	NF	X							X				5
-18	GZ-410	8-6-19	1316	GW	RM	X											3
						Container Type: V							A				
						Preservative: B							A				

Container Type
P= Plastic
A= Amber glass
V= Vial
G= Glass
B= Bacteria cup
C= Cube
O= Other
E= Encore
D= BOD Bottle

Preservative
A= None
B= HCl
C= HNO_3
D= H_2SO_4
E= NaOH
F= MeOH
G= $NaHSO_4$
H = $Na_2S_2O_3$
I= Ascorbic Acid
J = NH_4Cl
K= Zn Acetate
O= Other

Relinquished By:	Date/Time	Received By:	Date/Time
	8/6/19 1500		8/6/19 16:00
	8/6/19 1600		8/6/19 16:20

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FORM NO: 01-01 (rev. 12-Mar-2012)

CHAIN OF CUSTODY

PAGE 3 OF 3

Date Rec'd in Lab: 8/6/19

ALPHA Job #: L1935058

ALPHA Analytical
8 Walkup Drive, Westboro, MA 01581, Tel: 508-898-9220
320 Forbes Blvd, Mansfield, MA 02048, Tel: 508-822-9300

Client Information

Client: WOODARD & CURRAN
Address: 40 SHATTUCK RD
ANDOVER MA 01810
Phone:
Email: SOlney@woodardcurran.com

Project Information

Project Name: FORMER NWTP
Project Location: SALEM NH
Project #:
Project Manager: Sam Olney
ALPHA Quote #:

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due:

Report Information - Data Deliverables

☐ ADEx ☐ EMAIL

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements & Project Information Requirements

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☐ Other State /Fed Program _____ Criteria _____

Additional Project Information:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	VOC-8260	SVOC: ☐624 ☐524.2 ☐ABN ☐PAH	METALS: ☐MCP 13 ☐MCP 14 ☐RCP 15 ☐RCRA5 ☐RCRA8 ☐PP13	EPH: ☐Ranges & Targets ☐Ranges Only	VPH: ☐Ranges & Targets ☐Ranges Only	☐PCB ☐PEST	TPH: ☐Quant Only ☐Fingerprint	1-4 D: Dyrne Low Level EDD SW 0.3ppb					Sample Comments	TOTAL # BOTTLES
35058-19	MW19-06L	8-6-19	1411	GW	RM	X													3
-20	GZ-~~B1000~~615U	86-19	1405	GW	NF	X													3
-21	GZ-618U	8/6/19	1451	GW	RM	X													3
-22	TRIP BLANK-1	8/6/19		VAO	—	X													2
-23	GZ-601U	8/6/19	1455	GW	NF	X						X							3

SAMPLE INFO
Filtration
☐ Field
☐ Lab to do
Preservation
☐ Lab to do

Container Type	V																		
Preservative	B																		

Container Type
P= Plastic
A= Amber glass
V= Vial
G= Glass
B= Bacteria cup
C= Cube
O= Other
E= Encore
D= BOD Bottle

Preservative
A= None
B= HCl
C= HNO_3
D= H_2SO_4
E= NaOH
F= MeOH
G= $NaHSO_4$
H = $Na_2S_2O_3$
I= Ascorbic Acid
J = NH_4Cl
K= Zn Acetate
O= Other

Relinquished By:	Date/Time	Received By:	Date/Time
	8/6/19 1520		8/6/19 1520
	8/6/19 1620		8/6/19 1620

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FORM NO: 01-01 (rev. 12-Mar-2012)