Town of Starksboro Development Review Board Hearing
Exhibit List

Applicant: Bissonnette
Application # 26-DRB-08CU

Date of Hearing: 10/29/2026
Hearing Type: Conditional Use Review Hearing

Exhibit #	Description	Date entered	Submitted by:
A	Warning dated October 8, 2026	10/26/26	ZA
B	Abutter Map dated 10/5/26	10/26/26	ZA
C	Abutter Mailing Affidavit dated 10/5/26	10/26/26	ZA
D	Letter to Eric Hanson, Abutter, dated 10/19/26	10/26/26	ZA
E	DRB Application dated 9/26/26	10/26/26	Applicant
F	Zoning Permit Application dated 9/26/26	10/26/26	Applicant
G	Town Driveway/ROW Access Permit dated 9/26/26	10/26/26	Applicant
H	Project Narrative (4 pages) Dated 10/4/2026	10/26/26	Applicant
I	Existing Conditions Site Plan rec'vd 10/5/26	10/26/26	Applicant
J	Proposed Site Plan rec'vd 10/5/26	10/26/26	Applicant
K	Zoning Administrator Review Memo and 9/14/26 site photos (7 pages), dated 10/26/26	10/26/26	ZA
L	VT Agency of Natural Resources Wetlands Inventory Map dated 9/10/26	10/26/26	ZA
M	Previous DRB Decision 2019-DRB-04-CU (6 pages) dated 7/11/2019	10/26/26	ZA

N	ZA R.Elder letter to Cooper dated 9/26/2022 (3 pages) re: complaints at existing site.	10/26/26	ZA
O	Bridget Buonincontro written testimony (2 pages) dated 10/22/26	10/26/26	ZA
P	John Buonincontro written testimony (3 page) dated 10/23/26	10/26/26	ZA
Q	Kate Earley written testimony (4 pages) dated 10/26/26	10/26/26	ZA
R	Kate Earley written testimony (2) pages re: driveways, dated 10/27/26	10/27/26	ZA
S	Morrisey Testimony (4 page cover letter, 570 total pages), received 10/27/26	10/27/26	ZA

Exhibit A

TOWN OF STARKSBORO

DEVELOPMENT REVIEW BOARD

NOTICE OF HEARING

Nickolas Bissonnette submitted application 26-DRB-07CU for a Conditional Use Review Hearing to relocate his firewood processing business from Parcel 10212 at 991 Jerusalem Road to a 6.00+/-acre lot, Parcel 10667 at 1200 Jerusalem Road in the Town of Starksboro. The proposed mixed-use new business and existing residential development is in the HDRC district. The Conditional Use Review Hearing on this application will be held per the 2020 Starksboro Land Use and Development Regulations (SLUDR).

The Starksboro Development Review Board will conduct the hearing on **October 29, 2026**, starting at 6:30p.m. at the Starksboro Town Office with remote access (info below). The full application is available to review by request at the Starksboro zoning office, and on the website at https://www.starksborovt.org/agendas-and-minutes

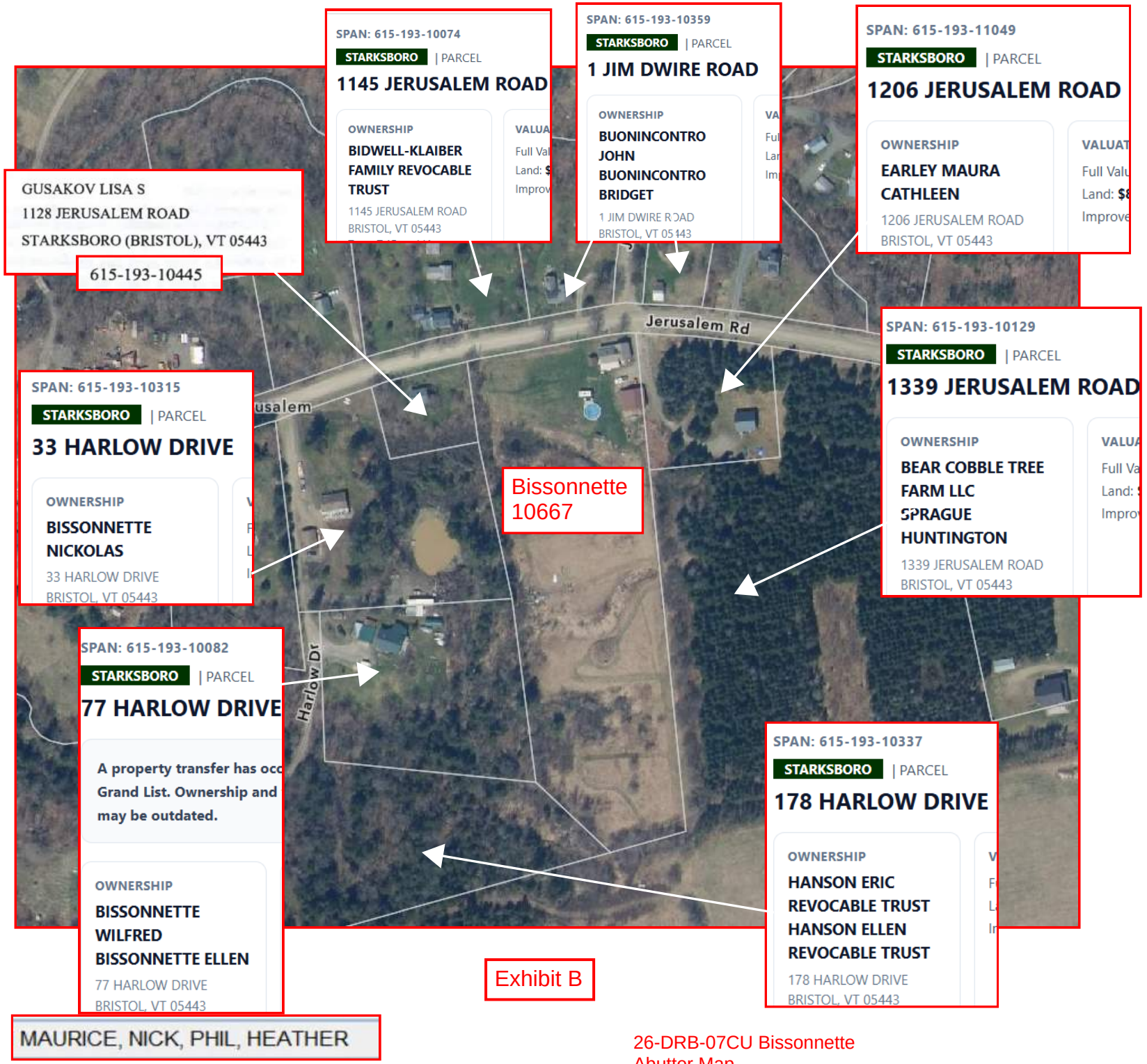
Pursuant to 24 V.S.A. §§ 4464(a)(1)(C) participation in this local proceeding is prerequisite to the right to take any subsequent appeal.

Town of Starksboro is inviting you to a scheduled Zoom meeting.

https://us02web.zoom.us/j/89617415124

Meeting ID: 896 1741 5124
Or by Phone: +13052241968

Warning Date : October 8, 2026


SPAN: 615-193-10074
STARKSBORO | PARCEL
1145 JERUSALEM ROAD
OWNERSHIP
BIDWELL-KLAIBER FAMILY REVOCABLE TRUST
1145 JERUSALEM ROAD
BRISTOL, VT 05443
SPAN: 615-193-10359
STARKSBORO | PARCEL
1 JIM DWIRE ROAD
OWNERSHIP
BUONINCONTRO JOHN
BUONINCONTRO BRIDGET
1 JIM DWIRE ROAD
BRISTOL, VT 05443
SPAN: 615-193-11049
STARKSBORO | PARCEL
1206 JERUSALEM ROAD
OWNERSHIP
EARLEY MAURA CATHLEEN
1206 JERUSALEM ROAD
BRISTOL, VT 05443
GUSAKOV LISA S
1128 JERUSALEM ROAD
STARKSBORO (BRISTOL), VT 05443
615-193-10445
Jerusalem Rd
SPAN: 615-193-10315
STARKSBORO | PARCEL
33 HARLOW DRIVE
OWNERSHIP
BISSONNETTE NICKOLAS
33 HARLOW DRIVE
BRISTOL, VT 05443
Bissonnette
10667
SPAN: 615-193-10129
STARKSBORO | PARCEL
1339 JERUSALEM ROAD
OWNERSHIP
BEAR COBBLE TREE FARM LLC
SPRAGUE HUNTINGTON
1339 JERUSALEM ROAD
BRISTOL, VT 05443
SPAN: 615-193-10082
STARKSBORO | PARCEL
77 HARLOW DRIVE
A property transfer has occ
Grand List. Ownership and
may be outdated.
OWNERSHIP
BISSONNETTE WILFRED
BISSONNETTE ELLEN
77 HARLOW DRIVE
BRISTOL, VT 05443
Harlow Dr
SPAN: 615-193-10337
STARKSBORO | PARCEL
178 HARLOW DRIVE
OWNERSHIP
HANSON ERIC REVOCABLE TRUST
HANSON ELLEN REVOCABLE TRUST
178 HARLOW DRIVE
BRISTOL, VT 05443
Exhibit B
MAURICE, NICK, PHIL, HEATHER
26-DRB-07CU Bissonnette
Abutter Map
10/5/26

Town of Starksboro
PO Box 91, Starksboro VT 05487
zoning@starksborovt.org

ABUTTERS MAILING AFFADAVIT

Exhibit C

Pursuant to section #410 of the Starksboro Land Use Development Regulations I, Stephen Rooney, Zoning Administrator for the Town of Starksboro, hereby acknowledges that on 10/5/26 that I sent by US 1st class mail the attached "notice of public hearing", for application 26-DRB-07CU to the following list of abutting property owners and others requesting notice.

Stephen Rooney, Zoning Administrator

Date: 10/5/26

I attest by my signature below that I have reviewed this list and that it was mailed on 10/5/26.

Attest: Amy McCormick, Town Clerk/ Assistant Town Clerk/ Town Admin

Notice Required to abutting Town per 24 VSA § 4463(a) for major subdivision (Y/N)? N
If yes, Address of Abutting Town: _____

Applicants: Nickolas Bissonnette, 33 Harlow Drive, Bristol, VT 05443 - Parcel 10667,

Abutters or Participants	
Parcel #	Name and Address
10082	Wilfred And Ellen Bissonnette And Children 77 Harlow Drive Bristol, Vt 05443
10445	Lisa Gusakov 1128 Jerusalem Road Bristol, VT 05443
10074	Bidwell-Klaiber Family Revocable Trust 1145 Jerusalem Road Bristol, VT 05443
10359	John & Bridget Buonincontro 1 Jim Dwire Road Bristol, Vt 05443
11049	Maura Cathleen Earley 1206 Jerusalem Road Bristol, Vt 05443
10129	Bear Cobble Tree Farm Llc Sprague Huntington 1339 Jerusalem Road Bristol, Vt 05443

STARKSBORO VT 05487-9998
OCT 05 2026
USPS

Town of Starksboro
PO Box 91, Starksboro VT 05487

Zoning Administrator
zoning@starksborovt.org

Exhibit D

October 19, 2026

Eric & Ellen Hanson
Revocable Trust
178 Harlow Drive
Bristol, VT 05443

RE: Warning and posting placard for DRB Hearing 26-DRB-07CU Bissonnette

Dear Eric,

Thanks for bringing to my attention when we spoke at the Planning Commission session on Thursday October 15 that I missed sending your hearing notice out for the above DRB hearing. Please find enclosed the information sheet and warning associated with this hearing.

Sincerely,

Stephen Rooney
Zoning Administrator
802-453-2768

Cc: Zoning File

Enc: Hearing notice, Warning

Starksboro VERMONT

Development Review Board Application

Exhibit E

Town of Starksboro
P.O. Box 91
Starksboro, VT 05487
Zoning Phone: 802-453-2768
www.starksborovt.org/zoning

Address of property: 1200 Jerusalem Rd **Parcel ID** (last 5 digits of SPAN): 10667

Property Owner (see Page 2): Nick Bissonnette

Property Owner _____

Mailing Address: 33 Harlow DR Bristol VT 05443

Signature of Owner: Nicki Bissonnette Date 9/29/26

Signature of Owner: _____ Date _____

Applicant (see Page 2): SAME

Mailing Address: _____

Signature of Applicant: Nicki Bissonnette Date 9/29/26

Town of Starksboro
RECEIVED
9/29/2026

Application Type (check all that apply):

- ☐ **Variance** (per section 422)
  Specific relief requested: _____
- ☐ **Waiver** (per section 423)
  Specific relief requested: _____
- ☐ **Site Plan Review** (per section 424, "S" designation in Use Table, or other Section).
  Project description and Zoning Permit # _____
- ☑ **Conditional Use Review** (per section 425, "C" designation in Use Table, or other Section) MIXED USE
  Project description and Zoning Permit #: 26ZP136 moving of existing business | wood process
- ☐ **Subdivision** (per Section 426). Pre-application meeting date : _____
  _____ Minor _____ Major Total # Lots _____
- ☐ **Planned Unit Development** (per Section 427). Pre-application meeting date: _____
- ☐ **Appeal of decision by Zoning Administrator** (per section 421)
  Permit # or other decision being appealed: _____
- ☐ **Other (specify)** _____

➢ Before the application can be deemed complete, the property owner or applicant must submit with this application the applicable fees and appropriate pertinent information as required by the Starksboro Land Use and Development Regulations. Once the application is deemed complete by the Zoning Administrator or DRB, the Town has 60 days to warn a public hearing. See Page 2 and 3 for required submittals and other information.

Administrator/DRB use only

DRB Application Number: 26-DRB-07CU Fee Paid: 375 #207 Date Deemed Complete: 10/5/2026

Warning Public Notice date: 10/8/2026 Final Hearing date: _____ Date of decision: _____

DRB Chair: _____ DRB Clerk/ZA: _____

Zoning office notes: _____

Exhibit F

Permit # 26-ZP-36

Starksboro
VERMONT
P.O. Box 91 Starksboro, VT 05487
Zoning Phone: 802-453-2768
www.starksborovt.org/zoning

ZONING PERMIT APPLICATION

A Zoning Permit is required **prior** to any land development, as defined in the Starksboro Land Use & Development Regulations. Contact the Zoning Administrator prior to filing this form to confirm your permitting requirements and fees.

Site Information:

Physical Address of Property: 1200 Jerusalem Rd Parcel ID (last 5 digits of SPAN): 10667

Zoning District: HDRC Overlay District (if applicable): _____ Lot Size (acres): 60

Property Owner(s) Information (see definition next page):

Property Owner(s) Name: Nick Bissonnette

Property Owner(s) Name: _____

Owner Mailing Address: 33 Harrow DR

_____

Applicant Information (see definition next page):

Applicant Name: SAME

Applicant Mailing Address: _____

_____

Email : _____

Town of Starksboro
RECEIVED
9/29/2026

Project Information :

Description of Project: moving of Firewood business | Road and Firewood storage

_____

ACKNOWLEDGEMENTS:

The Administrative Officer has 30 days to act on a complete permit application. Permit approvals will be effective at the end of the 15-day appeal period. **No construction is allowed during the appeal period.** The applicant or an interested party has the right to appeal this permit decision within 15-days of issuance to the Starksboro Development Review Board. Local, state, and federal regulations may apply to projects and additional local, state and federal permits may be required. **It is the applicant's responsibility to acquire additional local, state, and federal permits.** If those regulations are not as restrictive as the Starksboro Land Use & Development Regulations, the Starksboro Regulations will apply. Please contact the State of Vermont Permit Specialist (802-477-2241) for more information on state permits. Any work in the Road or Highway Right-of-Way requires a Town or State Driveway/Access permit be filed with the Zoning Administrator. All residential projects must comply with the Vermont Residential Building Energy Standards. All representations made on application forms, drawings, and attachments are binding. Failure to build according to the approved zoning permit application is a violation of the Starksboro Land Use & Development Regulations. The Administrative Officer shall have the right to conduct inspections at any time during construction. A Certificate of Occupancy is required for new single-family home.

Signatures: The undersigned hereby certifies the information within this application to be true and accurate, and accepts the acknowledgements as noted above and in the Starksboro Land Use and Development Regulations.

Nick Bissonnette 9/29/26

Property Owner Signature Date

_____ _____

Property Owner Signature Date

SAME _____

Applicant Signature Date

OFFICE USE BELOW ONLY

Date received: 9/29/26 Date Application Deemed Complete _____ Fee: $ [redacted] Paid via: Check #: [redacted] Online ____

PERMIT DECISION

Decision: DENIED/ APPROVED / REFERRED TO DRB

Zoning Administrator signature: _____ Cert. of Occupancy req? ☐ Yes ☐ No

Date of Signature: _____ Date Zoning Permit takes effect: _____ Permit Expiration Date: _____

Zoning Administrator's Comments: _____

TOWN CLERK'S OFFICE Received for Record: _____ A.D. _____ at ____ o'clock AM / PM

And Recorded in Book _____ page _____ Attest: _____ Town Clerk/Assistant Town Clerk

Permit # 26-2P-36

Exhibit F

Review Checklist to be completed by the applicant:

Type of Project (check all that apply): ☒ New Construction / Sitework ☒ Change in Use ☐ Addition/Alteration ☐ Sign ☐ Accessory Dwelling Unit ☐ Home Business ☐ Renovation ☒ Other: COMMERCIAL WOOD PROCESSING / RESIDENTAL

Related Prior DRB Approval Numbers # _____

For New Structures or Additions: SEE SITE PLAN 8X28 KILN 150'x200' WORK ZONE

Total new square footage: _____ **Size in ft:** Length _____ Width _____ Height _____

Total Lot Coverage (includes driveways and other impervious surfaces)_____%

Project setbacks: Show distance from the property boundaries in feet on an attached diagram (see below and next page).

Show any of the following conditions and / or note if the property is located within these protection areas:

- ☐ Floodplain
- ☒ Wetlands (Class I or II)
- ☐ Steep Slopes (20% or greater)
- ☐ 50 feet from a waterbody, stream, etc.
- ☐ Water Source Protection Area
- ☐ Conservation Easement lands

Other regulatory permits (note NA if not applicable):

New E-911 Address Required?

State Highway Right-of-Way Access Permit Number:

Town Driveway/Right-of-Way Access Permit Number:

State Water / Wastewater Permit Number :

State Stormwater Discharge Permit Number:

Prior or New State Act 250 Permit Number(s):

State Building Construction Permit Number:

Definitions:

Property Owner (also referred to as "owner" or "landowner" or "Owner of Record" or "developer"): Name of Person(s) or Entities noted as the Owner of the Parcel on the current Grand List or most recent Warranty Deed Filing. If multiple names are provided, all must be noted and must sign all applications. If an Entity is noted (i.e. Star Farms, LLC), then the contact information for the person authorized to represent the entity must be provided.

Applicant: The person(s) or entity or firm authorized by the Owner to submit the application, act on the Owner's behalf in all matters relating to the application, and be responsible for communications between the Town and the Owner. If the person(s) or entity or firm submitting the application and acting on the Owner's behalf does not wish to be is not listed as the Applicant, then a separate letter of authorization signed by the Owner must accompany the application allowing this party to act on the Owner's behalf.

Site Diagram Base Plan Hint:

If you do not have a survey or map of your property to sketch a site diagram on, you can go online to the Vermont Parcel Viewer Program (see link at www.starksborovt.org/zoning). Type your Parcel Number into the search bar (193 - last 5 digits of your SPAN number from your tax bill, example 193-10454). Confirm the new view matches your parcel and Owner information. Click on the Print icon at the bottom of the screen. In the Print dialog box that appears, click on Print, then click the Results tab. Print the map that appears in the pop-up window using your browser's print commands. Use this diagram to sketch your proposed project and attach in lieu of the diagram sheet on the next page.

Exhibit F

Permit # 26-ZP-36

Diagram:

Please include a sketch of the proposed development. You may use the space below to sketch your plan or provide a professionally prepared plan.

Include the following property information: boundary lines and rights-of-ways, setbacks, surface waters and wetlands, dimensions of existing and proposed structures, existing /proposed accesses (curb cuts) driveways and parking areas, existing /proposed utilities, existing / proposed water and wastewater systems. Additional information may be required depending on the nature of the project.

Diagram example:

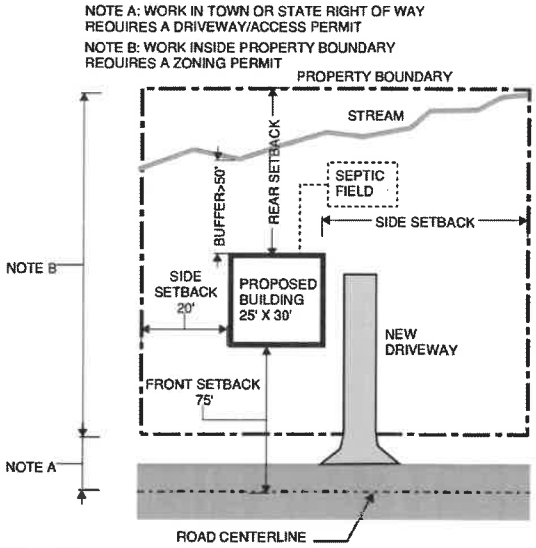


Diagram:

SEE ATTACHED PLAN

Driveway/ Right-of-Way Access Permit

Town of Starksboro

Exhibit G

PO Box 91, Starksboro, Vermont 05487 | (802) 453-2639 | www.starksborovt.org

Town of Starksboro
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9/29/2026

Property Owner Name Nicki Bisconnetto

Mailing Address 33 Harlow DR

Applicant's Name: Same

Mailing Address: –

Phone: 802-777-0031 Email: NICKIBFirewood@Yahoo.com

Road name where work will be located: Jerusalem Rd Parcel ID# 10667

Associated Zoning Permit and/or DRB Application Numbers 26-2P-36 26-DRB-07CU

1. Proposed Location must be pre-marked in the field and a site visit scheduled with the Road Foreman.
2. You must attach a dimensioned sketch of the road location noting property lines, and any required grading, culverts, and utility work.
3. Driveways are subject to Vermont Title 19 §1111, Town Land Use Regulations in effect at the time of application, and Agency of Transportation Standard Drawings A-76, B-71, and B71A.
4. Road Foreman must be notified before construction.
5. Warning signs and flag people must be supplied where needed.
6. Driveway must not drain run-off water onto town roads
7. Work must be complete within six (6) months of enacted date.
8. Power lines must be buried 4 feet deep and in a sleeve with electric caution tape 2 feet deep. All right of way work must be compacted in one-foot lifts.
9. Use of the driveway is subject to final inspection of the work by the Town.

Applicant's signature: Nicki Biscotto Date 9/29/26

OFFICE USE ONLY

Fee Paid $65 Check No. 207 E-911 Address Assigned _____

PRELIMINARY ACCESS DESIGN REVIEW

Road Foreman / Fire Chief Recommendations: (see attached notes if appropriate)

Tom Mc 10-26-26 : DRIVE LOCATED WEST OF MAPLE (NOT ACROSS FROM BUONINCONTRO). NO CULVER REQ.

Emergency Vehicle Access sufficient? Yes / No Comments: _____

Road Foreman approval _____ date _____ Fire Chief approval _____ date _____

DRIVEWAY CONSTRUCTION START APPROVAL

Enacted this _____ day of _____ at Starksboro, Vermont.

Selectboard Chair signature: _____

FINAL USE APPROVAL / CONSTRUCTION INSPECTION

(Attach Notice of Non-approval and corrective work required under separate cover)

Road Foreman approval by: _____ Date: _____

Zoning Administrator approval by: _____ Date: _____

Town of Starksboro
RECEIVED
10/05/2026

STARKSBORO FIREWOOD BUSINESS RELOCATION

Conditional Use and Site Plan Review Narrative

Exhibit H

Applicant: Nick Bissonnette / Bissonnette Firewood	**Property Owner:** Nick Bissonnette
Property Address: 1200 Jerusalem rd	**Parcel Number:** 10667
Zoning District: HDRC	**Application:** Conditional Use & Site Plan Review

PROJECT DESCRIPTION

This application is for the relocation of an existing, previously permitted firewood business in Starksboro. Bissonnette Firewood has operated on an adjacent property in this immediate area for nearly ten years and is an established part of the local rural and working landscape.

The business currently operates on leased property. Due to the anticipated sale of that property and the resulting end of the existing lease, the operation must relocate. The proposed site is property owned by the applicant, Nick Bissonnette, located diagonally across Jerusalem Road from the existing operation.

This application does not represent the introduction of a new type of business activity to the area. Rather, it will allow an established and previously permitted local business to continue operating at a nearby, applicant-owned location.

The nature and general scale of the business are not proposed to substantially change as a result of the relocation. The proposed site accommodates firewood and log storage, processing equipment, equipment storage, loading and unloading, vehicle circulation, parking, snow storage, and other activities normally associated with the existing firewood operation.

The proposed layout places the primary operational activities farther into the property and takes advantage of the property's topography, available open areas, and existing natural features to provide separation from Jerusalem Road and adjoining properties.

CONDITIONAL USE REVIEW CRITERIA - SECTION 425.D

1. SUITABILITY OF THE USE - §425.D(1)

The proposed property is suitable for the continued operation of the existing firewood business.

The parcel provides sufficient space for firewood and log storage, equipment storage, firewood processing, truck loading and unloading, parking, internal vehicle circulation and turnaround, and snow storage.

The proposed layout places the primary equipment and processing activities farther into the property rather than immediately adjacent to Jerusalem Road.

The property provides sufficient space to organize the operation while minimizing unnecessary disturbance to the remainder of the parcel.

2. CHARACTER OF THE AREA - §425.D(2)

The proposed use will not substantially alter the established character of the surrounding area.

Bissonnette Firewood has operated in this immediate area for nearly ten years and is an established part of the area's rural and working character. This application relocates that existing, previously permitted business from its current leased location to property owned by the applicant diagonally across Jerusalem Road.

Due to the topography of the proposed property and its relationship to Jerusalem Road, the primary equipment, processing, and wood-storage areas are located farther into the property and will be substantially out of public view.

Because portions of the Jerusalem Road frontage have relatively little tree coverage, the proposed layout relies on distance, topography, location within the property, and existing natural features, rather than vegetation alone, to reduce visibility.

The proposed relocation therefore allows an established local business to continue operating while maintaining the existing character of the surrounding area.

3. SAFETY AND PRIVACY - §425.D(3)

The proposed layout maintains appropriate separation between the business operation and adjoining properties.

Equipment storage, firewood processing, wood storage, loading, and other concentrated business activities are located within designated areas farther into the property.

Existing wooded and vegetated portions of the property will be retained where practical to provide additional natural buffering.

Locating the operational area away from the road and property frontage also maintains an appropriate transition between the public roadway, neighboring properties, and the working portion of the property.

Exhibit H

4. NATURAL SETTING - §425.D(4)

The proposed layout utilizes existing open areas of the property to the greatest extent practical, reducing unnecessary clearing and allowing existing wooded and naturally vegetated areas to remain in place.

Alteration of the property's existing topography will be minimized to the extent practical while still providing safe and functional areas for firewood storage, processing, equipment, and vehicle circulation.

The natural topography also creates additional visual separation between the proposed operation and Jerusalem Road.

5. PUBLIC FACILITIES AND SERVICES - §425.D(5)

The relocation is not anticipated to create a substantial new demand for municipal facilities or public services compared with the existing permitted operation.

The proposed site provides sufficient internal space for trucks, service vehicles, and emergency vehicles to access and maneuver within the property.

The proposed site plan identifies the proposed access alternatives.

6. PERFORMANCE STANDARDS - CHAPTER 320 - §425.D(6)

The business will continue to operate in accordance with applicable performance standards contained within Chapter 320.

The existing firewood business has operated under its current permit, and the relocation is not intended to substantially increase the nature or intensity of the operation.

Applicable standards relating to noise, dust, outdoor storage, lighting, traffic, vibration, and other potential off-site impacts are addressed by the proposed site design and operation.

7. SITE PLAN REVIEW CRITERIA - §425.D(7)

The proposed relocation has been designed to address the applicable Site Plan Review Criteria contained within §424.D.

The accompanying proposed site plan identifies the principal operational and storage areas, proposed access alternatives, vehicle circulation, parking, snow storage, natural buffers, and other relevant site features.

ADDITIONAL OPERATIONAL CONSIDERATIONS

8. POTENTIAL ENCLOSURE OF PROCESSING EQUIPMENT AND ADDITIONAL NOISE REDUCTION

An additional advantage of the proposed property is the ability, either in the near term or in the future, to locate some or all firewood processing equipment within an enclosed structure.

Enclosing processing equipment could further contain ordinary operational sounds, including sawblade noise and the sound of wood being cut, handled, or dropped.

The existing operation is already operating within the requirements of its current permit. The possibility of enclosing equipment is not proposed as mitigation for an existing compliance problem or as a representation that additional noise controls are presently necessary.

Rather, the proposed property provides an opportunity to further reduce potential noise impacts as improvements become physically and economically feasible.

No enclosed processing building is proposed for approval as part of this application unless specifically shown on the proposed site plan.

9. WETLANDS REVIEW AND PROFESSIONAL DELINEATION

A qualified wetlands ecologist has been contacted and is scheduled to evaluate the proposed property.

As necessary, the ecologist will identify and delineate wetland boundaries and associated areas relevant to the proposed operation.

The proposed operational and storage areas have been located with consideration of currently available ANR wetland mapping. The professional field evaluation will be used to confirm applicable wetland boundaries and regulatory requirements.

The intent is to avoid or minimize impacts to wetlands and other sensitive areas while establishing appropriate locations for firewood storage, equipment storage, vehicle circulation, and other business activities.

Any minor site-plan adjustment necessary to accommodate a professionally delineated wetland boundary will maintain the overall configuration and intent of the proposed site plan and will be addressed through the applicable municipal or state review process.

SITE PLAN REVIEW CRITERIA - SECTION 424.D

10. SITING AND DESIGN - §424.D(1)

The proposed layout places the most active portions of the firewood operation farther into the property.

Wood storage, equipment storage, processing, parking, and vehicle circulation are organized into designated areas rather than being unnecessarily distributed throughout the property.

The property's topography, distance from Jerusalem Road, and existing natural features provide separation between the business and surrounding properties.

11. VEHICULAR TRAFFIC AND CIRCULATION - §424.D(2)

The proposed site plan identifies two access configurations, Option A and Option B.

The proposed access arrangement provides sufficient space for trucks and equipment to safely enter the property and proceed to the designated equipment storage and operation area.

Within the site, adequate space is maintained for truck maneuvering and turnaround, loading and unloading, firewood and log deliveries, equipment movement, emergency and service vehicle access, and snow removal.

Truck and equipment circulation is concentrated within the designated business area.

12. POTENTIAL ALTERNATIVE ACCESS - OPTION C

In addition to Options A and B, a third potential access alternative may be available in the future.

Option C would provide access through other property and would not require an additional road entrance from Jerusalem Road on the subject property.

Option C is identified only as a potential future access alternative and is not part of the present approval request.

Any future use of Option C would depend upon necessary property-owner permissions, legal access rights, and applicable municipal or state approvals.

13. PEDESTRIAN TRAFFIC AND CIRCULATION - §424.D(3)

The proposed firewood operation is primarily an equipment, processing, storage, and vehicle-based business and is not expected to generate significant pedestrian traffic.

Vehicle and equipment activity will be concentrated within the designated operational area. Pedestrian access will be maintained as necessary without unnecessarily interfering with truck and equipment circulation.

14. PARKING - §424.D(4)

Parking associated with the business will be accommodated within the designated Equipment Storage and Operation Area shown on the proposed site plan.

Parking will be limited to what is reasonably necessary for employees, business vehicles, customers or visitors, and equipment associated with the operation.

The number, dimensions, and purpose of designated parking spaces will be shown on the proposed site-plan sheet before filing. No separate developed parking area is proposed beyond the designated operational area.

15. STORMWATER AND SNOW STORAGE - §424.D(5)

The operation will utilize existing open and previously disturbed areas to the greatest extent practical.

Additional impervious surfaces will be minimized where practical so stormwater and snowmelt can continue to infiltrate naturally into the property.

Snow storage and infiltration areas will be designated on the proposed site plan so they do not interfere with Jerusalem Road, driveway access, truck circulation, emergency access, or neighboring properties.

Existing impervious area, proposed new impervious area, and total disturbed area will be calculated and entered on the proposed site-plan sheet before filing.

16. LIGHTING - §424.D(6)

No new exterior lighting is proposed as part of this application. Any future exterior lighting will comply with applicable zoning requirements and will be shielded and directed toward the operational area to minimize glare onto neighboring properties and Jerusalem Road.

17. SIGNS - §424.D(7)

No new business signage is proposed as part of this application.

18. LANDSCAPING AND BUFFERS - §424.D(8)

Existing vegetation and wooded areas will be retained where practical and used as natural screening between the operation and surrounding properties.

The proposed placement of the equipment and processing area farther into the property provides additional separation from Jerusalem Road.

The site's topography, distance, existing vegetation, and placement of operational areas collectively provide buffering rather than relying solely on newly planted landscaping.

19. ENERGY CONSERVATION - §424.D(9)

The proposed relocation will utilize the existing property and infrastructure to the greatest extent practical.

The layout minimizes unnecessary additional roads, utilities, lighting, and developed surfaces.

Exhibit H

Energy-efficient equipment and lighting will be incorporated when economically and physically practical as the business develops.

PROPOSED SITE PLAN / MAP FEATURES

The accompanying proposed site plan identifies, as applicable: property boundaries; Jerusalem Road; existing access; Option A; Option B; Wood Storage Area; Equipment Storage and Operation Area; truck loading and turnaround area; equipment and employee parking; snow storage/infiltration areas; existing vegetation/natural buffers; existing buildings and their intended use; and mapped or professionally delineated wetland boundaries.

The proposed site plan is submitted as the plan for approval. Minor adjustments required by the Development Review Board, Zoning Administrator, field wetland delineation, or other applicable permitting requirements may be incorporated through the applicable review process without materially changing the overall nature or configuration of the approved use.

The site-plan sheet will include its own title block with applicant name, property owner, property address, parcel number, zoning district, date, scale, and north arrow. Existing buildings will be labeled, including whether they are retained for residential use. Designated parking, truck loading/turnaround, and snow-storage/infiltration areas will be shown.

CONCLUSION

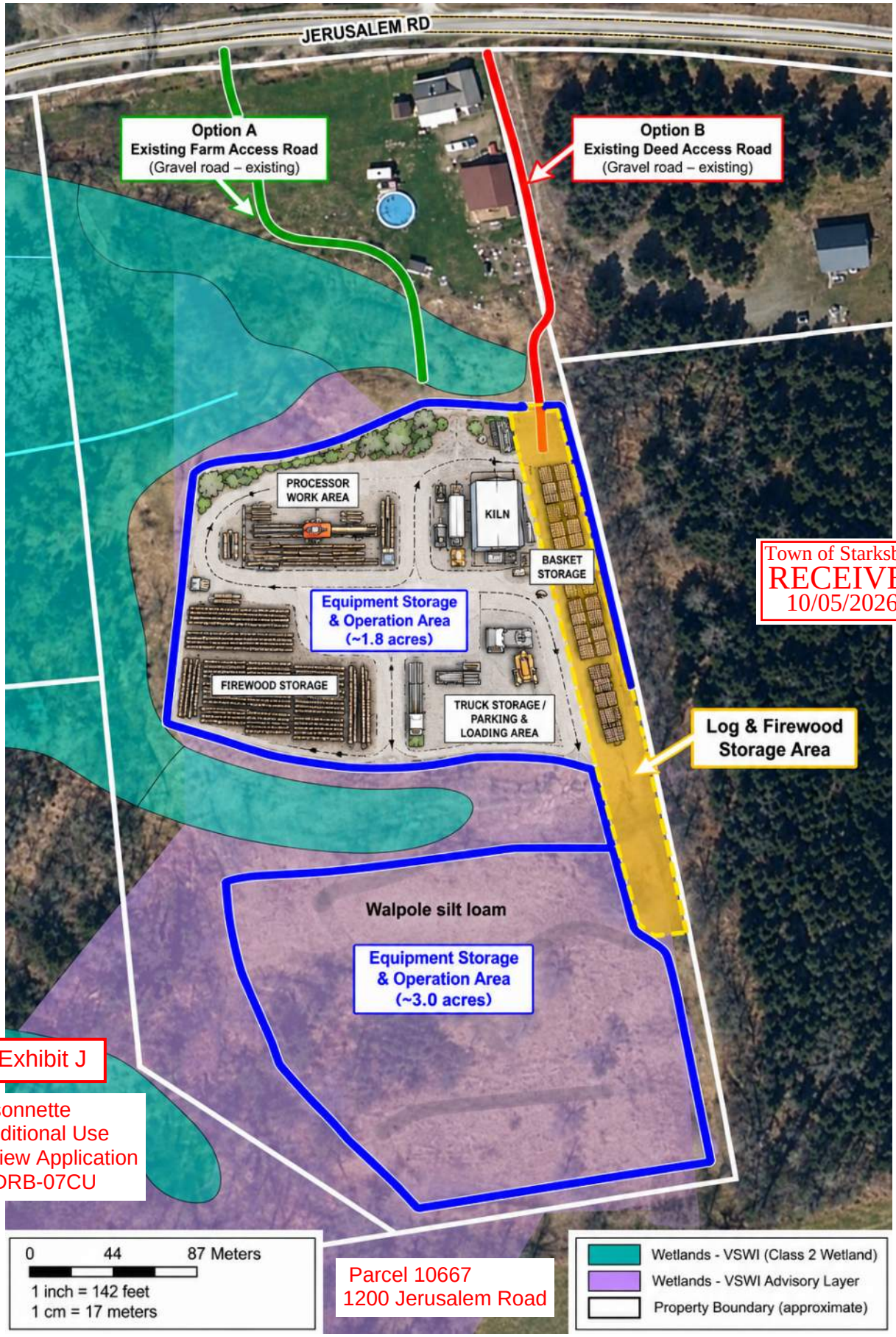
The purpose of this application is to allow Bissonnette Firewood, an existing and previously permitted Starksboro firewood business that has operated in the immediate area for nearly ten years, to relocate from its current leased location to property owned by applicant Nick Bissonnette diagonally across Jerusalem Road.



Exhibit I

Town of Starksboro
RECEIVED
10/05/2026

Bissonnette
Conditional Use
Review Application
26-DRB-07CU



Town of Starksboro
RECEIVED
10/05/2026

Exhibit J

Bissonnette
Conditional Use
Review Application
26-DRB-07CU

Zoning Administrator (ZA) Review Memo

The following is an administrative summary of the project being heard on **10/29/2026** with recommendations for DRB consideration. This review memo is provided to the applicant prior to the hearing and, via the town website, to the general public.

I. General Information

- **Applicant(s):** Nickolas Bissonnette
- **Landowner(s):** Nickolas Bissonnette
- **Location:** 1200 Jerusalem Road
- **Parcel ID:** 10667
- **Zoning District(s):** HDRC
- **Project Description:** Conditional Use Review for a Wood Processing Business

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II. Procedural History and Threshold Issues

- **Pre-Application Meeting Date:** 6/23/26, 9/11/26, 9/29/26
- **Application Received Complete:** 10/5/2026
- **Warning & Abutter Notification Dates:** 10/8/26
- **Threshold Review (Stowe Highlands Analysis):**
  - *Is this an amendment to a previous decision?* [No]

III. Bylaw Compliance Summary

1. See Technical review for jurisdictional review notes.

IV. Public Correspondence & White Papers

- **Summary of Public Comment:** Bridget and John Buonincontro submitted written testimony on 10/22/26 and 10/23/26. Kate Earley submitted written testimony on 10/26/26. See Exhibits.
- **Technical White Papers:** (None).

V. Overview and Recommendations

Project Overview

The applicant is proposing to relocate his currently permitted firewood processing operation from 991 Jerusalem Road to this location. The operation is on leased land that is up for sale. The relocation will create a mixed-use development on 1200 Jerusalem Road, as the existing residential and accessory structures on site will remain in use.

Site Photos: The ZA conducted a visit to the proposed site on 9-14-26. Site photos from the visit are in the exhibits.

ZA Technical Analysis

1. The property is located in the HDRC district.
2. The use falls by definition under Section 510.W(4): **Wood Processing.** *A facility or site use for the commercial processing of timber into lumber, firewood or similar value-added product, whether with permanent installed or portable equipment.*
3. This commercial use is noted in the Section 210.A Figure 3 Use Table as a Conditional Use in the HDRC district. The activity does not fall under an Agricultural or Forestry exemption, as the timber is primarily purchased from various outside sources, not grown on an associated farm by the end processor.
4. Sect. 210. Mixed-use: Allowed in this district with DRB approval. The residential structures will remain in use. The wood processing operation has one fixed structure, a kiln, with the remaining equipment being mobile or portable. The proposed plan appears to adequately separate the two uses.
5. Sect. 211. Setbacks: Road setback in the HDRC district is 50ft., and 20ft. from abutting properties for a non-residential use. There is no maximum Lot Coverage in the HDRC district. See Section 315 Outdoor storage below.
6. Sect. 310. Access: The applicant would prefer Option A shown on the site plan, which requires a new Driveway/ROW Access Permit, which is included in the packet, and has been reviewed on site by the Road Foreman. This access follows an old access path, and would remove the traffic from the shared easement with the abutting residential property to the east, which exits directly across from Jim Dwire Road. The access road to the southern operation area also follows an old farm road, which crosses the area shown on the ANR wetlands map. The DRB must approve multiple accesses on to a lot per Section 310.F. The DRB has the discretion to approve a road through a wetlands for access to development beyond the wetlands per 333.C(1). The access route does not involve steep slopes and the proposed drive slopes up to Jerusalem Road.
7. Sect. 313. Parking, Loading and Service Areas: The site plan appears to accommodate the area currently used by the existing operation for these purposes with room to expand.
8. Section 314: No exterior lighting is proposed.
9. Sect. 315 Outdoor Storage: 315.D(3) limits material storage to 50ft from abutting properites. The storage does not appear to cover more than 20% of the lot. The DRB should decide if additional screening per Section 315 and 316 is warranted given the location of the operation from the road and the visibility from adjoining properties.
10. Section 317 Signs: No signs are proposed.
11. Chapter 320 Performance Standards: A review of the previous DRB approval in 2019-DRB-04CU (see exhibits) and Hours of Operation should be reviewed with the applicant as it pertains to these subsections. In terms of past complaints, a review of the final letter of response to complainants (ZA response to Cooper dated 9-26-22 in exhibits) is appropriate.
12. Section 321 Noise: A review of the applicant's current noise levels and complaints, and how these have been mitigated is appropriate.

13. Section 322 Dust, Odors and Air Pollution: A review of how the applicant handles these issues now and at the new location is appropriate.
14. Section 323 Light Glare and Reflection: A review of headlight glare when exiting the Option A drive with the residence across the road is appropriate.
15. Section 324 Vibration: A review of any past issues noted at the existing operation is appropriate.
16. Section 325 Traffic: A review of number of expected trips, and time of day is appropriate, and road .
17. Section 326 Junk and Refuse: A review of the scrap wood storage pile and it's visibility is appropriate.
18. Section 327 Bulk Storage: In discussions with the applicant on 10-20-26, there will be two 1000 gallon propane tanks on site for the kiln. Preferably these will be buried, but will meet the setback and screening criteria in this section if above ground, with the exception of secondary containment, which does not apply to liquid propane.
19. Section 328 Fueling Stations: A discussion of the need for this is appropriate.
20. Section 330 Erosion Control: The applicant is in conversations with the State, and feedback from them is pending. Discuss whether silt fencing long term is an appropriate measure (used at existing site).
21. Section 331 Stormwater: The applicant is in conversations with the State, and feedback from them is pending. A confirmation of the total new impervious area is pending. If greater than 10,000sf, discuss requirements for a Town stormwater management plan.
22. Section 333 Wetlands: Due to the timing of the application and the inability to gain a firm wetlands delineation until next June, the application relies on the ANR wetlands inventory map (see exhibits) to indicate the ability of the project to avoid wetlands buffers. The DRB approval and zoning permit would be based on this map, which the applicant's consultant feels is conservative. The DRB should consider requiring a final delineation be submitted on a surveyed plan, with the Zoning Administrator reviewing the field stakes and approving any required operations adjustments to avoid buffers. Permanent wetland buffers monuments could also be considered (boulders, steel posts with markers, fencing, etc.). The applicant should address how is the current wetlands buffer shown in the site plan will staked in the field in the interim period before the wetlands delineation is confirmed.

ZA Decision Recommendation: Approve with Conditions

Preliminary Project-Specific Conditions:

The conditions listed below are drafted for the Board's consideration and public discussion. The ZA recommends that the DRB **openly review these potential**

conditions with the applicant prior to closing the public hearing for the following reasons:

- **Landowner Awareness:** This discussion provides the first formal opportunity for the applicant to realize specific conditions may be applied and to understand their technical implications.
- **Stakeholder Feedback:** It allows the DRB to solicit immediate concerns from neighbors or the applicant regarding the feasibility or impact of conceptual conditions. It does not limit the DRB from developing new conditions during deliberations nor foregoing conditions discussed at the public hearing.
- **ZA Technical Advice:** ZA can advise the Board if adjusting a condition's wording would achieve the DRB's regulatory objective while minimizing unnecessary burden on the applicant and other interested parties.
- **Clarity of Process:** The DRB should clearly inform the applicant that these open discussions during the hearing are non-binding; conditions may be significantly altered, new conditions may be added, and preliminary conditions may be eliminated during the **deliberative session** or upon review by the **Town Attorney**.

ZA's Proposed Conditions:

1. Site Plan Filing: A DRB signature titleblock must be added to the Site plan and signed by the DRB Chair and filed in the Zoning Records.
2. Zoning Permit required before start of business**:** A zoning permit must be obtained prior to any land development and relocation of the business.
3. State Permitting: Issuance of Zoning permits shall be contingent on receipt of a State stormwater permit, and Construction General Permit for erosion or receipt of a letter from the State exempting the project from these regulations.
4. Preliminary Wetlands Delineation: The current wetlands area is based on the State's ANR map, and must be confirmed with professional field delineation as soon as feasible, with ZA review of interim buffer staking and final stakes and operational areas.
5. Setbacks: Require field confirmation of stakes indicating required setbacks for storage and operations areas.
6. Other conditions: Review conditions in 2019-DRB-04CU and adopt as appropriate.

Exhibits:
ZA comments are made in reference to the exhibits posted in the Packet on the Town website at https://www.starksborovt.org/agendas-and-minutes with entries up until Oct. 29, 2026.

Exhibit K





26-DRB-07CU BISSONNETTE
9-14-26 ZA SITE PHOTOS

Exhibit K





26-DRB-07CU BISSONNETTE
9-14-26 ZA SITE PHOTOS

Exhibit K





26-DRB-07CU BISSONNETTE
9-14-26 ZA SITE PHOTOS

Wetlands Inventory Map

Vermont Agency of Natural Resources

Wetlands Inventory Map

vermont.gov





LEGEND

- Wetland
- Wetland Projects
- Wetlands - VSWI
  - Class 1 Wetland
  - Class 2 Wetland
  - Buffer
- Wetlands - VSWI Advisory Lay
- Vermont Vernal Pool Atlas
  - Confirmed
  - Potential
  - Probable
- DFIRM Floodways
- Special Flood Hazard Areas (A Counties)
  - AE (1-percent annual chance floodp
  - A (1-percent annual chance floodpl
  - AO (1-percent annual chance zone feet)
  - 0.2-percent annual chance flood ha
- Soils - Hydric
  - Hydric - Obligate (OBW)
  - Hydric - Facultative Wetland Plants
  - Hydric - Other Wetland Indicator
  - Hydric
  - Not Rated
- Roads
  - Interstate
  - US Highway; 1
  - State Highway

IMPORTANT!: The Wetlands Viewer is designed to help the public research wetland locations and features. Only a qualified wetland scientist may determine the absence or presence of a wetland and the boundaries. Not all wetlands are mapped. Wetlands not mapped on the Vermont Significant Wetland Inventory may still be considered significant.

87.0 0 44.00 87.0 Meters

WGS_1984_Web_Mercator_Auxiliary_Sphere 1" = 142 Ft. 1cm = 17 Meters

© Vermont Agency of Natural Resources

THIS MAP IS NOT TO BE USED FOR NAVIGATION

DISCLAIMER: This map is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. ANR and the State of Vermont make no representations of any kind, including but not limited to, the warranties of merchantability, or fitness for a particular use, nor are any such warranties to be implied with respect to the data on this map.

513

See original
Vol. 119 pg. 504

Exhibit M

Corrected by ZA

Town of Starksboro Development Review Board

Notice of Findings of Fact and Decision

In re: Application No. #2019-DRB-04-CU, commercial use of property for wood processing parcel #F41L1N

INTRODUCTION AND PROCEDURAL HISTORY

1. This proceeding involves review of an application by Nickolas Bissonnette/Leonard Denice for site plan and conditional use approval (commercial use) pursuant to the Town of Starksboro Land Use and Development Regulations, adopted 2016.
2. The site plan and conditional use application was received by Rebecca Elder, Starksboro ZA, on April 30, 2019. A copy of the application and other exhibits are available at the Starksboro Municipal Office.
3. Public notice requirements for application #2109-DRB-04-CU were completed as required in chapter #400 and evidenced in exhibit # E. This includes a warning in the Addison Independent, required postings, notice to abutting property owners, and owner/applicant.
4. The application for site plan and conditional use was considered by the Development Review Board (DRB) at a public hearing that began on May 23, 2019 with a site visit held prior to the hearing.
   On May 23, 2019, the DRB voted to continue the hearing to June 13, 2019.
   The public hearing was continued on June 13, 2019, and the DRB voted to continue the hearing to June 27, 2019.
   The DRB voted to accept written testimony until June 24, 2019.
   The public hearing was continued on June 27, 2019 and the DRB voted to close the public hearing the same date.

   The DRB reviewed the application and conducted the public hearing pursuant to the Town of Starksboro Land Use and Development Regulations, adopted 2016, State law, and Starksboro Rules of Procedure.
5. The following members of the DRB attended the hearings:
   - Dan Nugent, Chair; Marjorie Dickstein, V. Chair; Arnell Paquette, Secretary; Ben Campbell, Jon Fenner, Rob Liotard, and Richard Warren.
6. Pursuant to 24 V.S.A. § 4465(b), a record of the name and address of persons participating at the hearing is part of the hearing record. Those persons participating during the hearing include: Nickolas Bissonnette, Len Denice, Jim Scheid, Mary Claire DeHaven, Eric Hanson, Ellen Hanson, Wilfred Bissonnette, Ellen Bissonnette, Helen Camara, Susan Klaiber, Jody Higgs, Julia James, Len Denice, Peter Ryersbach, Scott Ploof, Deborah Bennett, Raymond Marcotoullio, Dana Curtis and Morgan Roger; Phil Bissonnette, Christy Grauer, Timothy Morse, Ralph Cooper, Jane Cooper.
   a. The following submitted written testimony that was accepted into the record: Adrianna Ploof and Barry Longe; Peter Ryersbach; Nancy Orvis; Deborah Bennett; Jim Scheid and Mary Claire DeHaven; Nickolas Bissonnette, Will Bissonnette

TOWN CLERK'S OFFICE
STARKSBORO, VERMONT
July 17 2019 at 11 o'clock 45 minutes A.M.
Received this instrument for record
Book 5/3 Page 19
Attest: Town Clerk/Asst

7. During the course of the hearing the following exhibits were submitted to the Development Review Board:
   Ex. A Application and fee
   Ex. B Criteria response for site plan
   Ex. C Site map
   Ex. D Locator map
   Ex. E Public notices
   Ex. F Letters to/from public/neighbors/interested parties
   Ex. G Additional responses and information from applicant including sound testing report

   These exhibits are available at: Starksboro Municipal Office, Zoning Records.

FINDINGS

Based on the application, testimony, exhibits, and other evidence the Development Review Board makes the following findings:

1. The applicant seeks site plan and conditional use approval for commercial use of the property owned by Leonard Denice for wood processing and storage. The property is a 10-acre site located at 991 Jerusalem Road, in Starksboro. The property is more fully described in a deed from Samuel Brinker Beck and Mary

Exhibit M

Town of Starksboro Development Review Board

Notice of Findings of Fact and Decision

In re: Application No. #2019-DRB-04-CU, commercial use of property for wood processing parcel #F41L1N

Lee Cooper to Leonard Denice, dated October 15, 1990, recorded in Book 45, page 49 of the Town of Starksboro Land Records.

2. The property is located in the High Density Residential and Commercial (HDRC) zoning district.
3. The subject property is improved with a single-family residence and outbuildings. The existing residential structures are served by an on-site shallow well and an in-ground wastewater disposal system. The property is accessed by a driveway cut on Jerusalem Road.
4. The applicant stated that his equipment will include a firewood processor, dump truck(s), tractor, pick-up truck(s), and a container for storage and kiln drying.
5. The applicant indicated hours of operation would be 8:00 am to 5:00 pm Monday through Friday with occasional Saturday hours. During the spring months, log deliveries may occur during early morning hours to protect the roads and have truck traffic occur when roads are firm/frozen.
6. The applicant stated that providing firewood services in South Starksboro is of benefit to local residents and to the local economy. The applicant's customers are primarily within a 10-mile radius.
7. The applicant employed an experienced sound testing professional who utilized professionally calibrated testing equipment to conduct sound testing during working hours. Testing was performed and results demonstrating compliance with Section 321 were submitted to the DRB for review. The ZA also distributed the sound testing results to interested parties in a postal mailing
8. The DRB received letters and heard testimony from neighbors expressing concerns about noise, traffic, visual impacts on aesthetic quality of neighborhood, impacts to property values, and compatibility of the conditional use with the residential character of the area. The DRB received letters and heard testimony from neighbors expressing support for the applicant's proposal, for local businesses in the area, for working landscape uses, and for supporting a local resident working in the community.

CONCLUSIONS- the DRB concludes the following:

1. **Section 210. Allowed Uses.** "Commercial wood processing and storage" is an allowed conditional use in this district, per Figure 3 in this Chapter. Conditional Use requires approval from the DRB in accordance with all applicable provisions of the Town of Starksboro Land Use and Development Regulations.
2. **Section 310. Site Engineering and Design.** The road access and driveway comply with local requirements from the Road Foreman. All parking will be on-site. Additional landscaping or screening was proposed with vegetative growth screening to blend with the natural environment.
3. **Section 321. Noise.** In accordance with Section 321, all land use activities shall not regularly generate noise that is out of character with the district from the area's ambient sound levels, and that is plainly audible to someone located off the property. The site is located close to the property line between this parcel and other residential properties. The DRB recognizes that the limits in the noise standards table are compatible with the residential character of the neighborhood, and that neighbors have a reasonable expectation of quiet in this neighborhood before 7 a.m. and after 9 p.m. and as stated in the Bylaws.
4. **Section 322. Dust, Odors, and Air Pollution.** The conditional use of the subject property is not expected to generate dust, odors, or air pollution that will adversely impact surrounding properties. General odors from use of trucks and equipment is to be expected.
5. **Section 323. Light, Glare, and Reflection.** The majority of activities are expected to occur during daylight hours, and the operation is not expected to generate adverse light, glare, or reflection. Outdoor lighting will be down-shielded and located away from property lines if needed in the future.
6. **Section 324. Vibration.** This conditional use is not expected to regularly create vibration that can be perceived by a person located off the property.
7. **Section 325. Traffic.** The property is accessed by a single drive off Jerusalem Road. As proposed, the project is not expected to place an unreasonable burden on traffic flow patterns.
8. **Section 326. Junk and Refuse.** There is no expectation of storage of junk and refuse as a result of the proposed business use. All inoperable equipment, junk, and refuse will be removed from the site on a regular basis.
9. **Section 327. Bulk Storage.** No bulk storage of fuel or other hazardous materials are expected in association with this conditional use.

Exhibit M

10. **Section 330. Resource Protection.** The only proposed semi-permanent structure is a container to be used for kiln drying wood and storage. Proper stormwater runoff and erosion control practices will be employed. Parking areas will remain unpaved. No structures are proposed within riparian buffers or on steep slopes. No extraction of earth resources is proposed.

11. **Section 424. Site Plan Review.**
    (1) Siting and Design: 991 Jerusalem Road, just west of Harlow Drive, is a 10-acre parcel in the HDRC zoning district. The work site is an open, one-acre field that has been used for the past six years primarily for storing excavation equipment, trailers, and processing firewood. The wood processing operation will occur in the field adjacent to Jerusalem Road. Logs will be stored closer to the road, and would at times block the view of machines from the road. Trucks and trailers are stored on the east side of the field and a large container will be used to store and kiln-dry firewood. Silt fencing was installed to protect the stream and area behind the field and work site and along the property line adjacent to the Cooper property.
    (2) Vehicular Traffic & circulation: Traffic will be kept to a minimum. Customer pickup of firewood would rarely occur. Firewood logs being delivered would enter via an existing driveway and exit via the same after unloading.
    (3) Pedestrian Traffic & circulation: No pedestrian traffic is expected during operation. The firewood processor will be set up approximately 150 ft from Jerusalem Road, set back as far as possible.
    (4) Parking: The field has been seeded and mulched. Delivery trucks will turn around in the field. The space in the east corner of the lot will be available for dump trucks and other related equipment to be parked and/or for turn-around.
    (5) Stormwater/Snow storage: n/a
    (6) Lighting: No exterior lighting is planned. Any temporary or future lighting would be down-shielded to ensure no light trespass to the neighboring properties.
    (7) Signs: No signs are proposed at this time. Firewood delivery trucks do have signs on tailgates, normally either parked near or at the firewood processor, sometimes facing the road visibly.
    (8) Landscaping: The proposed work site landing is an open one-acre field and less than half will be used for the firewood business. The remainder will be brush mowed twice a year, early spring and late fall. Appropriate screening trees and shrubs may be added as needed.
    (9) Energy Conservation: n/a
    (10) Compatibility with Town Plan and other regulations: The applicant has processed firewood in the South Starksboro area for twelve years. The majority of firewood customers are within a 10-mile radius of the proposed site. Typically firewood processing is not a full-time occupation for the applicant. The applicant originally stated he expected to work a few days a week. He then amended the hours to up to 5-6 days per week. The proposed business is part of the working landscape and produces a renewable heating source for the local community.

12. **Section 425.** Conditional Use Review.
    (1) Suitability of the Use: The parcel is suited to the proposed use as it is located on a town-maintained road in the high density residential and commercial zoning district. The proposed use is for a portion of the property that is flat, well-drained, and accessible for deliveries.
    (2) Character of the Area: "Commercial wood processing" is an allowed conditional use for the HDRC district per Chap. 210, Figure 3 "Use Table". The area supports a variety of uses including residential, commercial, agricultural, and municipal and is zoned for mixed use. While the proposed conditional use is not expected to adversely impact the biological or agricultural quality of this district, the surrounding neighborhood is primarily residential and the DRB has considered impacts to the primarily residential uses in the immediate area.
    (3) Safety and Privacy: The applicant proposed to secure the equipment at the end of the work day to ensure safety.
    (4) Natural Setting: Minimal alterations to the property are proposed. The work site will be in a limited area as shown on the site plan. Container will be properly screened. Silt fencing and seeding/mulching of the field area has been done to protect the natural areas surrounding the site.

Exhibit M

(5) Public Facilities and Services. n/a
(6) Site Plan Review Criteria: Refer to Section 424, Site Plan Review, above.

DECISION AND CONDITIONS

Based on the findings and conclusions the Starksboro DRB **APPROVES Site Plan and Conditional Use Application DRB-2019-04-CU for commercial use of parcel # F41L1N** subject to the conditions outlined below. Note that if **any** conditions of this conditional use are violated, the ZA has the authority to commence enforcement actions regarding the conditional use permit and all privileges associated with it, potentially leading to revocation by the Town of Starksboro.

1. The conditional use of parcel #F41L1N shall be in accordance with the application, plans, exhibits on file and the findings of fact which are incorporated herein.
2. All land development shall comply with the "VT Handbook on Soil Erosion and Sediment Control on Construction Sites".
3. Conditional Use of parcel #F41L1N is approved for a commercial wood processing and firewood storage business.
4. Regular hours of operation shall be limited to 8 a.m. to 5:00 p.m. Monday through Friday.
   a. Occasional deliveries may be allowed between 5 a.m. to 8 a.m. if needed to protect the local roads (i.e. spring mud season). Applicant will communicate with the Road Foreman when road conditions are questionable.
   b. Occasional Saturday hours may be allowed between 9 a.m. and 2 p.m. to accommodate customer requests for weekend deliveries. Saturday operations shall be limited to loading and unloading pre-cut wood. No firewood processing shall occur on weekends.
5. All commercial wood processing activities shall comply with the Noise Standards Table in Section 321 of the Town of Starksboro Land Use and Development Regulations: not to exceed 60 decibels between 8 AM and 5 PM, as conditioned and as measured at each property line (or the closest distance to a neighbor/house) and averaged over a 10-minute period.
6. The ZA will review any sound test results presented by an interested party and from a 3rd party sound testing professional. Upon review by the ZA, if a sound test result doesn't meet the stated limits from Section 321, the applicant shall present an associated mitigation plan to determine if the conditional use will be revoked.
   a. The ZA reserves the right to require sound testing in the future.
7. The applicant shall screen the work site with evergreen trees of a species known to grow at least 10 ft tall and no more than 6 feet apart to maintain a permanent screen of at least 2 feet nitially and must be maintained and/or replaced if they die or are otherwise destroyed.
8. The applicant shall obtain all applicable permits for land development associated with the commercial use. This includes any State permits, as required.
9. The applicant shall observe the local road conditions and shall communicate with the Road Foreman about large truck or tandem log load deliveries to ensure negative impacts on the local roads can be avoided when possible. In particular, the applicant shall communicate with the Road Foreman during the spring "mud" season and thawing of winter frost.
10. The burning of trash, tires, or other refuse shall not be permitted on the work site.
11. Refuse and junk shall be containerized, and properly disposed of at a certified solid waste facility.
12. All temporary and permanent exterior lighting shall be down-shielded and shall not cause glare or illumination on adjacent properties.

Exhibit M

Town of Starksboro Development Review Board

Notice of Findings of Fact and Decision

In re: Application No. #2019-DRB-04-CU, commercial use of property for wood processing parcel #F41L1N

13. The applicant shall adhere to all applicable State and Federal regulations, including but not limited to those pertaining to wetlands and wetlands vegetation; soil and erosion; air pollution from smoke; and stormwater run-off.

Dated at Starksboro Vermont this 11th day of July 2019.

Dan Nugent

Marjorie Dickstein

Edward "Ben" Campbell

Jon Fenner

Robert Liotard

Arnell Paquette

Richard Warren

NOTICE: This decision may be appealed to the Vermont Environmental Court by an interested person who participated in the proceeding(s) before the Development Review Board. Such appeal must be taken within 30 days of the date of this decision, pursuant to 24 V.S.A. § 4471 and Rule 5(b) of the Vermont Rules for Environmental Court Proceedings.

Exhibit N

Town of Starksboro
PO Box 91, Starksboro VT 05487

Rebecca Elder, *Zoning Administrator*
zoning@starksborovt.org

September 26, 2022

Steven and Jane Cooper
1113 Jerusalem Road
Starksboro, VT 05487

MAILED via First-class mail AND certified return receipt to ensure delivery

RE: Formal complaint on Nick Bissonnette's Firewood Processing operation, Jerusalem Road (Decision 2019-DRB-04-CU)

Dear Mr. and Mrs. Cooper:

This is a formal response to your most recent correspondence of 9/6/2022 outlining your complaints about Nick Bissonnette's firewood processing operation adjacent to your property. To the extent that you have any other inquiries or complaints still outstanding with this office, this letter also constitutes my formal and final response to those inquiries and complaints.

While I understand that you have some concerns with the wood processing operation located near your home, I have investigated those concerns and concluded that Mr. Bissonnette has complied with the conditions set forth in the Conditional Use permit issued to him by the Starksboro Development Review Board (DRB) in 2019, and he is not in violation of the permit or the Starksboro Zoning Bylaws.

Herein I will address the four sections of your complaint labeled A through D:

Complaint A: Kiln and Smoke

- The kiln operation that exists on the property is the same system that has been there since the permit was issued in 2019. There are two boxes that run on the same system and work together to operate. In response to your question: yes, the original permit included the kiln operation.
- Per your complaints in 2020, the interim ZA Jeff Keeney addressed your grievances about smoke issues and Mr. Bissonnette installed a new chimney. He satisfied the town's request and therefore the alleged violation was remedied. I confirmed with Jeff Keeney that the replaced chimney meets the State of Vermont regulations.
- ZA Kris Perlee performed a site visit and observed the operation when the smoke was being generated. He had the kiln loaded while he was present and observed when the fire is first lit, the most smoke was visible. That level of smoke was visible for 3-5 minutes and then reduced greatly. Even with the smoke generated at the initial lighting, he deemed it had no more impact than what would be generated if the property was occupied for residential uses and used wood for heating a home. The outside boiler smoke emissions are equivalent to other wood heat and residential wood boilers being using the immediate residential area.
- After receiving your complaint in July 2022, I performed a site visit and several drive-by visits to observe smoke and I concur with Mr. Perlee's assessment.

Complaint B: What are considered "activities" covered by the working hours?

- The approved permit specifies hours of 8am to 5pm for firewood processing, which is the active cutting and splitting of the wood. Per the discussions at the conditional use hearings, the sound activity of the operation was of most concern to immediate neighbors and was addressed with these restrictions. Other activities such as maintaining the land, moving logs, putting wood into the kiln, and other related work are acceptable activities. The processing equipment only operates during the hours set in his permit. There are trucks and other machines in the yard prepping for off-site work outside of these hours. This is not a violation of the conditional use permit.
- I have observed the activities on the property and note that the use of trucks and equipment is additionally complicated by the fact that Mr. Bissonnette's fuel storage tank is on his personal, residential property across the road. Therefore, when trucks and equipment need fuel, the associated sounds and vehicular movement will occur and are not a violation of the conditional use permit. These activities occur on parcels throughout town for both residential and commercial purposes and do not create noise or disturbance that is beyond standard land use activities in a variety of mixed-use settings.

Complaint C: Sound

- Your complaint requests the results of the sound test, which are attached here as item B. The sound test was made available to interested parties at the 2019 DRB hearing and at the town office. It was also provided in October 2020 in response to your formal request for all materials and correspondence related to the conditional use hearings.
- Prior to the testing, I met on site with Mr. Bissonnette and Julia James, who conducted the sound tests, and I reviewed with them the requirements and how sounds would be measured. Because Mr. Bissonnette was not permitted to operate his equipment at the Jerusalem Road site (the Town had a cease-and-desist instruction while the DRB conditional use review took place). The sound tests were done at the temporary location of Mr. Bissonnette's firewood operation at the Roleau Farm, as instructed by the DRB on 5/23/19. However, the sound tests were conducted to the specs of the ZA and the DRB. They adequately measured the sound activities of the equipment and uses at the appropriate distances as specified and required.
- The analysis of the sound testing was presented in person at the DRB hearings where Julia James offered testimony and demonstrated the equipment she uses. You may refer to the minutes of the hearings for details (attached item C).
- In June 2021, Jane Cooper made an in-person complaint at the Town office and followed up with email. The complaints were reviewed by Kris Perlee and a site visit was conducted. No violations were found. The ZA met with Nick Bissonnette to review the concerns from the Coopers and reviewed hours of operation.

Complaint D: Site Conditions

- My review of the site and correspondence regarding this conditional use permit has consistently shown that Mr. Bissonnette has met the conditions placed on his operation regarding the site layout.
- When the conditional use was issued, the idea of a screening fence was discussed, however several neighbors were opposed to a physical stockade-style fence and therefore the DRB specified trees to be placed for screening.

- Screening trees were planted per the specs provided. While they have not grown rapidly, they are there and have been maintained. The permit states trees will be replaced if they die.
- The site itself was found to be well-maintained with no evidence of fuel or hazardous liquid spills.
- Woody debris and waste from the wood processing is stored at the back of the work site area and removed regularly to an off-site disposal location. In addition, silt fencing remains in place at the back edge where the cleared area meets the woods to protect natural resources.

The Town of Starksboro has worked hard to ensure Mr. Bissonnette is complying with the rules set forth by the DRB. Three Zoning Administrators have addressed your complaints over the span of several years, dating back to 2019 after the permit was approved and the appeal period had expired. Your concerns have been heard and addressed by myself, Jeff Keeney, and Kris Perlee. In the last 2 months, Selectboard member Eric Cota has also made site visits and spoken with neighbors to ensure the Town has done its due diligence. We also conducted interviews with other nearby landowners to discuss the impacts of the wood processing operation. Based on the information received by my predecessors and myself, I do not find that the impacts of Mr. Bissonnette's operation exceed the limits imposed by the permit or the Zoning Bylaws.

In conclusion, I do not find that the Nick Bissonnette's operation of his firewood processing operation is in violation of his conditional use permit or the Bylaws, and I find no basis for issuing a notice of violation based on the matters set forth in your complaint or that have otherwise been brought to my attention. This is the **final decision** from the Zoning Administrator's office on this matter.
<u>You have the right to appeal the decision of the Zoning Administrator as outlined in the Starksboro Bylaws as follows:</u>

Section 421. Appeal of an Action or Decision of the Zoning Administrator
421.A **Filing an Appeal.** In addition to the applicant, any interested person may appeal a decision or act of the ZA by filing 2 copies of a notice of appeal within 15 days of the decision or act.

421.B **Notice of Appeal.** A notice of appeal shall be in writing and shall include the following information:
(1) The name and address of the appellant (person filing the appeal);
(2) A copy of the ZA's decision (if appeal of a zoning permit, also include a copy of the permit application);
(3) A brief description of the property with respect to which the appeal is being brought;
(4) A reference to the applicable provisions of these regulations; and
(5) Any relief being requested by the appellant, including a request for a variance or waiver.

Appeal Fee of $200 plus recording fees.

Sincerely,

Rebecca T. Elder
Zoning Administrator

cc. Town Clerk
Dennis Casey, Planning Commission Chair
Koran Cousino, Selectboard Chair
Zoning files

Exhibit O

Starksboro Zoning Administrator

From: Starksboro Zoning Administrator
Sent: Monday, October 26, 2026 9:44 AM
To: 'Bridget Buonincontro'
Subject: RE: DRB Written Testimony

Hi Bridget,

Thank you for your written testimony for this hearing. It will be included in the exhibits in the packet for DRB review.

Regards,



Stephen Rooney
Zoning Administrator
Town of Starksboro
Direct Line: 802-453-2768
zoning@starksborovt.org
Office Hours Mon & Tues 9am - 3:30pm

Pursuant to 24 VSA § 4465(a), an interested person (defined 23 VSA § 4465(b)) may appeal any decision or act by the administrative officer within 15 days of the date of such decision or act.

From: Bridget Buonincontro
Sent: Thursday, October 22, 2026 9:08 PM
To: Starksboro Zoning Administrator <zoning@starksborovt.org>
Subject: DRB Written Testimony

To the Starksboro Development Review Board,

My name is Bridget Buonincontro, and my husband, John, and I are long-time property owners at 1 Jim Dwire Road. I am writing regarding Nick Bissonette's intention to move his business operation to the property directly across from us at 1200 Jerusalem Road. I appreciate the Town of Starksboro bringing this matter to our attention and providing us with the opportunity to voice our concerns.

I want to have harmonious relationships with all of my neighbors. I do not know Nick well, but I have witnessed that he is a very hard worker, and I wish him success and happiness. At the same time, I have significant concerns about his operation being relocated directly across the road from our property - especially regarding the potential devastation of the beautiful scenery, the significant noise pollution created by his work, and the loss of value of our own property.

Nick's worksite is currently located directly along the road. The plan submitted for the property at 1200 Jerusalem Road indicates the site could be further removed from the road, but it appears it will still be

visible. This property offers stunning views of beautiful meadows and wetlands, with Mount Abe beyond. This is the kind of landscape that defines Jerusalem's unique character and natural beauty. The potential destruction of this beautiful rural scenery would be heartbreaking.

Even more concerning is the severe and pervasive noise pollution generated by this operation. I work as an L&D nurse at UVM. My shifts are irregular and I sometimes must sleep during the day. I also have a second job for which I work from home. Currently - while separated by at least three hedgerows, two houses and nearly 250 yards - the noise from Nick's worksite is audible from *inside* our home. As I have been writing this, while at home on a rainy day with all doors and windows shut, and music playing, I could still hear thunderous booming of massive loads of wood colliding with metal. At the proposed new location, the worksite would be less than half the distance away, and lacking any effective barriers to block the sound according to the plan that was submitted.

I also must consider how this change would impact us financially. With the significant noise pollution and potentially spoiled view, I expect the property values throughout our little neighborhood could be negatively impacted.

This is an unanticipated and very difficult situation. While we value cordial and harmonious relationships with our neighbors and admire the work ethic and drive displayed over the years by our neighbor, Nick, we have legitimate concerns about this proposed change, and we appreciate the Town of Starksboro taking these concerns seriously.

Sincerely,

Exhibit O

Bridget Buonincontro

Exhibit P

Starksboro Zoning Administrator

From: Starksboro Zoning Administrator
Sent: Monday, October 26, 2026 9:55 AM
To: 'John Buonincontro'
Subject: RE: Bissonnette permit

Hi John,

Thank you for your written testimony for this hearing. It will be included in the exhibits in the packet for DRB review.

Regards,



Stephen Rooney
Zoning Administrator
Town of Starksboro
Direct Line: 802-453-2768
zoning@starksborovt.org
Office Hours Mon & Tues 9am - 3:30pm

Pursuant to 24 VSA § 4465(a), an interested person (defined 23 VSA § 4465(b)) may appeal any decision or act by the administrative officer within 15 days of the date of such decision or act.

From: John Buonincontro
Sent: Friday, October 23, 2026 8:13 AM
To: Starksboro Zoning Administrator <zoning@starksborovt.org>
Subject: Bissonnette permit

Please find my written testimony regarding application 26-DRB-07CU
Thank you,
John Buonincontro
Sent from my iPhone

Exhibit P

To: Starksboro Development Review Board

Having lived on corner of Jim Dwire and Jerusalem Road as long as we have, my wife Bridget and I have experienced numerous changes in our neighborhood. These changes have been in the form of new neighbors to meet and the departure of those whom we had developed friendships with in our time here. Throughout, it has grown more and more into something we love beyond the natural beauty and serenity that initially drew us here nearly 20 years ago.

Development of Nick's firewood processing company directly across the street behind a half screen of bushes and small trees is concerning. Obviously this forever changes the landscape directly across from our home visually but also as relates to the noise that is clearly understood to be a general concern given the proposal the town has made accessible. Specific aspects of this plan provide an outline of development within the fields behind the residential front third of the property and the undeveloped field beyond. The outlined plan is clearly not a familiar and common use of the land in our neighborhood. Long-standing farms continue to work locally but beyond that and the industrial Sugarmaple operation, which is based significantly further off the public road and dramatically less altering of the environment, visibly and acoustically, this remains a residential area.

There are a number of questions I have as far as access to the proposed site. Specifically the idea of changing what is listed as an existing farm access into a full time and heavily used access road. The plan defines this as access A and an existing gravel surface. In 17+ years I've lived here. I've never seen a gravel road, rather I've seen a lawn and gardens and blueberries being planted. Was it a right of way for a farmer to access fields once a year? Was it ever anticipated as a daily use access with heavy machinery/vehicles such as log trucks? Furthermore, where this access road would enter into the processing area is in the middle of the field versus using the already established access on the eastern most edge. This would lead to additional limitations to any coverage or mitigation of noise and view into the working site.

The layout put forward in the plan refers to the idea that efforts will be made to limit the noise. However, as it sits on the plan, the processor lies closest to the Jerusalem Road border while storage Wood lies further south creating an amphitheater effect reflecting the noise back to the very areas outlined as important to protect from pollution. It's not only the sound of the processor with the cutting blade and the other machinery utilized before wood drops into the metal boxes. It also extends to the machinery used to maintain and move these metal boxes

Exhibit P

throughout the site. The sound of the articulated loader picking up, dumping and moving these boxes of wood is a significant one, one not limited to a static location, but rather will work throughout the site.

I've concerns about the placement of an industrial processing setup next to wetlands at the very upper reaches of the headwaters of the Baldwin creek and New Haven River. Is this the site most appropriate for such an endeavor?

Additionally, what will the allowance of this permit lead to as far as further development of the still available land? Will it address this at all? Is there discussion regarding hours of operation. This is not like me working from home sitting in my house making no noise.

I respect Nick and his industriousness as well as his right to work and use his private land. I balance this with the right of the rest of our neighborhood and neighbors to have protections from both noise, pollution and scenic loss which would be inherent in the placement of his business in the location outlined in his plan.

I appreciate the town bringing this development to my attention and the chance to participate in this planning discussion and process.

John Buonincontro
1 Jim Dwire Rd

Exhibit Q

Starksboro Zoning Administrator

From: Starksboro Zoning Administrator
Sent: Monday, October 26, 2026 12:05 PM
To: kate earley
Subject: RE: Opposition Regarding Proposed Firewood Processing Business Relocation

Hi Kate,

Thank you for your written testimony for this hearing. It will be included in the exhibits in the packet for Development Review Board review.

Regards,



Stephen Rooney
Zoning Administrator
Town of Starksboro
Direct Line: 802-453-2768
zoning@starksborovt.org
Office Hours Mon & Tues 9am - 3:30pm

Pursuant to 24 VSA § 4465(a), an interested person (defined 23 VSA § 4465(b)) may appeal any decision or act by the administrative officer within 15 days of the date of such decision or act.

From: kate earley
Sent: Monday, October 26, 2026 11:51 AM
To: Starksboro Zoning Administrator <zoning@starksborovt.org>
Subject: Opposition Regarding Proposed Firewood Processing Business Relocation

Dear Members of the Zoning Board,

I am writing to express my strong opposition to the proposed relocation of the firewood processing business to property directly next to my home.

We live on a beautiful, quiet dirt road, and many of us chose to live here because of the peaceful setting and rural character of the neighborhood. We understand that living in Vermont comes with the sounds of farming, logging, tractors, and everyday rural activities. But there is a big difference between those activities and having a commercial firewood processing operation running next door.

What concerns me most is that we already know how disruptive this particular business can be. The owner lives just a few doors down, and the noise from the operation has been extremely loud and disruptive. In my experience, existing noise restrictions have not been consistently followed. If those

rules aren't being respected now, what assurance do we have that new restrictions will be followed if the business is allowed to relocate?

Exhibit Q

This isn't simply a concern about what might happen. We have already experienced the effects of this operation on our neighborhood.

Road Conditions, Heavy Truck Traffic, and Safety

One of my biggest concerns is the impact of heavy commercial trucks and equipment traveling regularly on our dirt road.

Our road was not designed with this type of commercial traffic in mind. Heavy trucks carrying logs and processed firewood can create additional wear, potholes, ruts, washboarding, and drainage problems, particularly during mud season and periods of heavy rain.

There is also the increased dust, noise, and potential danger to residents, children, pets, and anyone walking or driving along the road.

Has the town evaluated whether our road can safely and reasonably accommodate this additional commercial traffic? How many truck trips are anticipated each day? Will there be restrictions during mud season? Who will be responsible for the increased maintenance and repairs?

And most importantly, **why should the town's taxpayers be responsible for the additional costs associated with one private business?**

Environmental Concerns

I am equally concerned about the environmental impact of this operation.

Commercial firewood processing creates wood dust, airborne particles, and noise. Heavy equipment and trucks also produce diesel exhaust and raise concerns about fuel, oil, hydraulic fluids, and runoff.

Many rural properties rely on private wells, and I believe it is important to understand what safeguards will be in place to protect the surrounding land and water.

Where will equipment be stored and maintained? How will fuel and other fluids be handled? What measures will prevent wood dust, road dust, and runoff from affecting neighboring properties?

These are questions that deserve answers before approval is even considered, rather than waiting until a problem develops.

Noise and Quality of Life

The noise from this business has already had a significant impact on the surrounding neighborhood. Commercial wood processing equipment, heavy machinery, and the constant loading and handling of logs are not comparable to the occasional sounds of ordinary rural living.

We should be able to sit outside, open our windows, enjoy our yards, and spend time with family without having to listen to industrial equipment running nearby.

If the business is relocated even closer to neighboring homes, I can only imagine how much more disruptive it could become.

Exhibit Q

I would also like to know what the town plans to do differently to enforce noise restrictions, given the concerns that already exist. Rules mean very little if they are not enforced.

Property Values, Home Sales, and Property Taxes

I am also very concerned about what this could mean for the value of our homes.

People have already moved away, and homes in the area have struggled to sell. Working in real estate, I know firsthand how much a property's surroundings influence a buyer's decision. A beautiful home on a quiet Vermont dirt road can quickly become far less appealing when buyers discover a commercial wood processing operation next door.

For many of us, our homes are our largest financial investment. We have worked hard to purchase them, maintain them, and pay our property taxes.

If the town approves this business and it negatively affects the value and marketability of our properties, I would like to know what happens next.

Will the town automatically reassess the surrounding homes to reflect the impact this business has on their market value?

If not, will homeowners have the opportunity to request new assessments? Will the town consider the noise, truck traffic, environmental concerns, and reduced desirability when determining those values?

And if our homes become harder to sell or sell for less because of this business, are we simply expected to accept that financial loss while continuing to pay property taxes based on values that may no longer reflect what our homes are actually worth?

There is also the broader question of what happens to the town's tax base if surrounding property values decline. That potential impact should be considered as well.

The Bigger Picture

I am not against someone owning a business or making a living. I respect that. But I also believe there needs to be a reasonable balance between allowing a business to operate and protecting the people who already live in the surrounding neighborhood.

I don't believe the burden of one commercial operation should fall on neighboring homeowners through increased noise, road deterioration, environmental concerns, potential loss of property value, and the loss of the peaceful setting we chose to live in.

Before any approval is granted, I would ask the Board to seriously consider the history of this operation, the complaints that have already been made, the ability to enforce existing regulations, and the long-term consequences for the surrounding residents.

I respectfully ask that this proposed relocation be denied.

I would also ask every member of the Board to consider how they would feel if this operation were moving directly next door to their own home. Would they be comfortable with the noise, heavy truck traffic, dust, potential environmental impacts, and uncertainty about what it could do to their property's value?

Exhibit Q

We are not asking for anything unreasonable. We are asking the town to protect the character of our neighborhood, the condition of our roads, our environment, our property investments, and our ability to peacefully enjoy our homes.

These concerns should carry just as much weight as the interests of the business requesting approval.

Thank you for your time and consideration. I ask that this letter be included in the official record of the upcoming zoning hearing and that the questions raised be addressed before any decision is made.

Sincerely,

Kate Earley
Concerned Homeowner and Neighbor

Exhibit R

Starksboro Zoning Administrator

From: Starksboro Zoning Administrator
Sent: Tuesday, October 27, 2026 2:14 PM
To: 'kate earley'
Subject: RE: Opposition Regarding Proposed Firewood Processing Business Relocation

Hi Kate, I'm in receipt of this correspondence.

Unfortunately the Town cannot offer legal advice concerning the use or official location of private easements on private property. What an easement allows and where this activity may occur is a private matter between the parties to the easement. I suggest you consult with legal counsel regarding the questions you pose below in that regard.

The Town can require that driveways, either residential or commercial, meet the standards of Section 311 of the bylaws concerning driveways. The driveway standards apply for up to 4 homes or 2 businesses. For service to houses or businesses greater than that, Road standards in Section 312 apply.

The Town may also regulate the construction standards of the entrance onto the Town road through the Driveway/ROW Access Permit process, and require that the entrance meet VAOT standards. The applicant has filed this permit (see the Packet) in anticipation of developing the Option B driveway. As the Option A driveway connection to Jerusalem Road is existing, no permit is required here unless the DRB requires the applicant to make driveway improvements inside the Town right-of-way.

The DRB may take your concerns under consideration in applying the bylaw and access permit requirements to their review of this project, in their review of the optional driveway proposed, and may pose conditional requirements regarding the existing drive's construction and use.

The DRB can also require that the applicant provide definitive evidence of the location of the easement, and to provide further detail on any required improvements they propose outside of what is required by the bylaws.

I hope this is helpful. This correspondence will be included in written testimony for the hearing.

Regards,

Stephen Rooney

Exhibit R

Zoning Administrator
Town of Starksboro
Direct Line: 802-453-2768
zoning@starksborovt.org
Office Hours Mon & Tues 9am - 3:30pm

Pursuant to 24 VSA § 4465(a), an interested person (defined 23 VSA § 4465(b)) may appeal any decision or act by the administrative officer within 15 days of the date of such decision or act.

From: kate earley <kateearley3@gmail.com>
Sent: Tuesday, October 27, 2026 9:04 AM
To: Starksboro Zoning Administrator <zoning@starksborovt.org>
Subject: Re: Opposition Regarding Proposed Firewood Processing Business Relocation

Good morning,

In Nick's proposed plan, the red line represents my driveway. He has already blocked my driveway a few times with machinery, which is concerning since I use it frequently throughout the day, driving and walking . We are constantly in and out.

My biggest question is whether he has the right to turn my residential driveway into an access road for logging trucks, heavy equipment, and dump trucks.

There is an existing 50-foot right of way originally granted to Scott and Jane for vehicle and pedestrian access to get to the back property (no idea why when they own a bunch of land on the other side of the garage.What I'm trying to understand is whether that easement automatically gives Nick the right to use the entire 50-foot width for commercial purposes, including widening the driveway, removing trees, and driving heavy equipment across my property.

Currently, my property extends to within approximately five feet of the garage. To accommodate the proposed truck traffic, Nick would likely need to remove some of my trees and drive over portions of my lawn. There are also areas closer to the entrance where Scott has already taken it upon himself to widen the driveway. ***With where my property boundary is he will need to use 100% of my driveway.***

I understand there is an existing right of way, and I'm not disputing that. However, I am concerned about how extensively it can be used, particularly for a commercial operation that could significantly change the character and condition of my driveway.

I would really appreciate some clarification on what is permitted, and what protections I have as the property owner.

Thank you so very much for your time and help.

Kate Earley.

Exhibit S

TO: Starksboro Development Review Board
RE: 26-DRB-07CU Bissonnette Wood Processing Conditional Use Hearing
FROM: Samantha & Christopher Morrissey, Residents, 1006 Jerusalem Rd, Starksboro
DATE: October 27, 2026

Town of Starksboro
RECEIVED
10/27/2026

Dear Development Review Board,

We purchased our house on December 6th, 2019 and it has been our primary residence since. Our property is located directly across from the existing Bissonnette wood processing site and immediately adjacent to the residential property at 33 Harlow Drive. Due to this proximity, we have had the opportunity to observe activities associated with the operation on a regular basis. We respectfully submit the following information for the Development Review Board's consideration as part of its review of the current conditional use permit application.

It is worth noting that we have previously attended hearings in support of the applicant's right to operate a small forestry-related business. I (Samantha) am also employed in the forest products manufacturing industry and have professional responsibilities related to environmental, sustainability, safety, and regulatory compliance programs across more than 60 forestry, sawmill, and pulp and paper operations in North America. As a result, I am familiar with both the operational realities of the industry and the importance of regulatory compliance and oversight.

In this letter we will address several areas of concern and provide supporting evidence:

- Groundwater contamination investigation
- Bulk fuel storage
- Noise and timing of operations
- Operational and safety concerns
- Scope of the conditional use permit

Groundwater Contamination Investigation
The week of November 18, 2024, our household began experiencing a strong gasoline odor in our water supply. A water sample collected from our kitchen tap was submitted to Endyne Laboratories in Williston, Vermont, on December 2, 2024. Following analysis, we were contacted by the laboratory and advised not to use our water pending further investigation due to the presence of volatile organic compounds (VOCs). The laboratory results are attached as Attachment A.

The testing identified benzene, among other volatile chemicals, at a concentration of 126 µg/L. For reference, the Vermont drinking water standard for benzene is 5 µg/L. Nine additional VOCs commonly associated with gasoline, petroleum and lubricant products were also detected.

These results prompted an investigation by the Vermont Agency of Natural Resources Department of Environmental Conservation (VT ANR.) That investigation began in late 2024 and culminated in a Site Investigation Report issued on October 27, 2025. A copy of the report is attached as Attachment B.

Prior to the contamination event, activities potentially relevant to groundwater contamination had been observed at 33 Harlow Drive for an extended period, including the presence of gasoline storage tanks and maintenance of heavy equipment. Photographs and documentation of these observations were provided to VT ANR during its investigation. See Attachment D.

The site investigation report states, "*The suspected source is the reported former (ASTs) and maintenance activities at 33 Harlow Drive, which is located directly upgradient and within 100 feet of the onsite supply well.*"

The report then recommends, "*Conduct additional investigation on the upgradient, offsite property at 33 Harlow Drive to define the nature and extent of groundwater contamination affecting the onsite supply well and to assess the potential impact on other sensitive receptors*."

Exhibit S

The site investigation report was provided to Bissonette in the fall of 2025 who has since denied VT ANR access to his property to complete the investigation to confirm the source of the contamination. As of the date of this letter, the contamination issue remains unresolved.

VT ANR is providing a letter confirming that Bissonette has not cooperated with the investigation. This letter is delayed due to a family emergency, but we will send it ASAP. It is expected in advance of the hearing on Thursday.

This contamination issue is relevant to the current hearing and conditional use permit request as the maintenance activities, and former gasoline tanks, located at 33 Harlow drive are an extension of the wood processing operation.

Regarding this investigation, I wrote to the Starksboro Town Administrator, Health Officer, Clerk and Zoning Administrator on December 13, 2024. The minutes from the December 19, 2024 Planning Commission meeting note the following, "*A home on Jerusalem Road had its water tested and certain chemicals were identified. There is no action for the PC to take at this time."*

Bulk Fuel Storage

On December 13, 2024, following discovery of the groundwater contamination affecting our drinking water supply, I contacted the Zoning Administrator to request records relating to complaints associated with the wood processing operation. My objective was to better understand the history of concerns raised regarding the site and to ensure I had an accurate understanding of the record. The email correspondence is attached as Attachment C.

In that exchange, the Zoning Administrator indicated that fuel storage and resulting groundwater contamination were not considered zoning matters. However, Condition 9 of the July 11, 2019 Conditional Use Permit states:

"Section 327. Bulk Storage. No bulk storage of fuel or other hazardous materials are expected in association with this conditional use."

I include this correspondence because it raises questions about the relationship between activities occurring on the site, compliance with existing permit conditions, and the mechanisms available to identify and address potential compliance concerns when they arise.

The current application and site plan do not appear to contemplate fuel storage activities or include measures to manage the associated risks, despite the apparent presence of fuel storage on the property today. Given that the existing permit anticipated no bulk storage of fuel or hazardous materials and given the ongoing unresolved groundwater contamination investigation associated with former fuel storage and maintenance activities, we believe this is a relevant consideration for the Board's review. We respectfully request that the Board evaluate whether the scope of the application fully reflects current operations and whether appropriate safeguards, monitoring, and permit conditions are necessary to address potential impacts to neighboring properties and environmental resources.

Noise and Timing of Operations

Beginning in December 2024 and through 2025, we began maintaining records of activities that appeared inconsistent with conditions of the existing permit. Between December 2024 and October 2025, we documented 28 instances of operational activity outside of the approved hours of 8:00 am to 5:00 pm Monday through Friday with occasional Saturday operations. See attached log.

Noise levels were also monitored using the NIOSH Sound Level Meter application. Between February 2025 and July 2025, more than 20 measurements exceeded 60 decibels when averaged over a ten-minute period with peak levels reaching over 115 decibels. Supporting records are attached as Attachment E.

These records should not be considered comprehensive as measurements were only taken when possible for a limited period of time.

Exhibit S

Operational and Safety Observations

In addition to observations related to operating hours and noise, we have documented several operational practices that may be relevant to site management and safety considerations, including:

- Heavy equipment left unattended on inclined surfaces with attachments loaded and in an elevated position creating a significant safety risk for the local community. See photo.
- Accumulations of residual wood material and slash stored for extended periods to the point of steam generation creating a fire hazard.
- Stacking of unstable storage baskets 3-4 levels high.

These observations are provided for the Board's consideration as part of its review of operational practices associated with the facility and its conduciveness with a highly residential area with young children, pets and families.

Scope of Activities

We also note that certain activities occurring at 33 Harlow Drive function as an integral component of the wood processing operation, including heavy equipment maintenance, welding, power washing and other related activities.

While the application focuses on wood processing activities, it does not appear to address these ancillary operations or the potential impacts associated with them. Equipment maintenance and fuel handling activities present considerations that differ from those associated with wood processing alone. If these activities are expected to continue in support of the operation, we respectfully submit that they should be included within the scope of the Board's review and appropriately addressed through the application, site plan, and any resulting permit conditions.

Wetlands Considerations

The application references potential wetlands and notes that wetland assessments have been conducted by a consultant hired by the operator. We want to bring to the board’s attention that there are currently ongoing wetland assessment efforts concerning areas that have been altered through past site activities, including areas at 991 Jerusalem Road and 33 Harlow drive. These assessments are identified on the Vermont ANR Atlas. We encourage the Board to ensure that all applicable wetland considerations and agency determinations are fully incorporated into its review.

Monitoring and Oversight

The information provided with this submission also raises a broader question regarding oversight. Land uses of this scale and intensity can have meaningful impacts on neighboring properties, particularly when located in close proximity to residences. The effectiveness of permit conditions depends not only on the conditions themselves, but also on the availability of appropriate monitoring and enforcement mechanisms. Given the documented compliance concerns associated with the existing permit and the unresolved environmental investigation, we encourage the Board to carefully consider whether additional permit conditions, periodic inspections, reporting requirements, or other compliance verification measures may be necessary to ensure that future operations remain consistent with permit requirements.

We also encourage the Board to consider the character of the surrounding area and the extent to which the proposed operation remains compatible with it. The neighborhood surrounding Jerusalem Road is predominantly rural and residential in nature, characterized by homes, agricultural uses, forests, and the quiet enjoyment typically associated with a rural community. Starksboro's conditional use review process recognizes that certain uses may be appropriate in a district provided they do not create undue adverse impacts on the character of the area or neighboring properties. Over time, however, the scale and intensity of activities associated with this operation appear to have expanded beyond what many residents would reasonably expect in a rural residential setting. The documented noise, extended operating hours, equipment maintenance activities, fuel storage, stockpiling of materials, heavy equipment traffic, and associated environmental concerns have altered the experience of neighboring properties and the surrounding area. Further, moving the operation to a larger lot increases opportunities for more growth which may become increasingly incompatible with the character of the existing area. We encourage the Board to consider future growth of the operation and its compatibility with the local area.

Exhibit S

Our concern is not with forestry, wood products manufacturing, or small business operations generally. Rather, it is whether the scale, intensity, and range of activities occurring today remain consistent with the rural and residential character of the area and whether the application adequately addresses the impact those activities may have on neighboring properties and environmental resources.

As the Board evaluates this application, we respectfully request consideration not only of the proposed use itself, but also whether the operation, as currently conducted and as proposed for the future, can be effectively managed through permit conditions, monitoring, and enforcement in a manner that preserves the character, safety, and environmental quality of the surrounding community.

Conclusion

We respect the role that forestry-related businesses play in the local economy and support the ability of businesses to operate in compliance with applicable regulations and permit conditions.

Our purpose in submitting this information is to provide the Board with relevant observations, documentation, and publicly available agency findings that may assist in evaluating the current application. In particular, we believe the history of permit compliance, the unresolved groundwater contamination investigation, and the relationship between activities occurring on adjacent properties and the proposed operation are relevant considerations in determining whether additional permit approvals are appropriate and, if so, what conditions, monitoring, or enforcement measures may be warranted.

Thank you for your consideration of these comments.

Respectfully,

Samantha and Chris Morrissey
1006 Jerusalem Rd.

Exhibit S

DRAFT

ENDYNE Inc.
Environmental Laboratories

Chris Morrissey 100725
1006 Jeruselum Rd.
Bristol, VT 05443

PROJECT: 1006 Jeruselum Rd.
WORK ORDER: **2412-38947**
DATE RECEIVED: December 02, 2024
DATE REPORTED:
SAMPLER: Samantha Morrisey

VTP

Laboratory Report

Enclosed please find the results of the analyses performed for the samples referenced on the attached chain of custody. All required method quality control elements including instrument calibration were performed in accordance with referenced method requirements and determined to be acceptable unless otherwise noted.

The column labeled Lab in the accompanying report denotes the laboratory facility where the testing was performed . A "W" designates the Williston, VT lab under NELAC certification ELAP 11263; "R" designates the Lebanon, NH facility under certification NH 2037 and "N" the Plattsburgh, NY lab under certification ELAP 11892. "Sub" indicates the testing was performed by a subcontracted laboratory. The accreditation status of the subcontracted lab is referenced in the corresponding NELAC and Qual fields. The Williston, VT facility is also ISO/IEC 17025:2017 accredited for Total Coliform and E coli by SM9223B.

The NELAC column also denotes the accreditation status of each laboratory for each reported parameter. "A" indicates the referenced laboratory is NELAC accredited for the parameter reported. "N" indicates the laboratory is not accredited. "U" indicates that NELAC does not offer accreditation for that parameter in that specific matrix. Test results denoted with an "A" meet all National Environmental Laboratory Accreditation Program requirements except where denoted by pertinent data qualifiers. Test results are representative of the samples as they were received at the laboratory

Endyne, Inc. warrants, to the best of its knowledge and belief, the accuracy of the analytical test results contained in this report, but makes no other warranty, expressed or implied, especially no warranties of merchantability or fitness for a particular purpose.

Reviewed by:

Exhibit S DRAFT

Laboratory Report

DATE REPORTED:

CLIENT: Chris Morrissey
PROJECT: 1006 Jeruselum Rd.

WORK ORDER: **2412-38947**
DATE RECEIVED: 12/02/2024

- 001

Site: Kitchen Sink | Date Sampled: 12/2/24 | Time: 8:00

Property Address (911): 1006 Jeruselum Rd. Bristol VT

Parameter	Result	Units	Method	Analysis Date/Time	Lab Tech		Nelac	Qual
VOC Potable Water			EPA 524.2		W			
Dichlorodifluoromethane	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A	
Chloromethane	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A	
Vinyl chloride	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A	
Bromomethane	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A	
Chloroethane	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A	
Trichlorofluoromethane	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A	
1,1-Dichloroethene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A	
Methylene chloride	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A	
Methyl-t-butyl ether (MTBE)	0.9	ug/L	EPA 524.2	12/9/24	W	EEP	A	
trans-1,2-Dichloroethene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A	
1,1-Dichloroethane	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A	
2,2-Dichloropropane	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A	
cis-1,2-Dichloroethene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A	
Bromochloromethane	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A	
Chloroform	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A	
1,1,1-Trichloroethane	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A	
Carbon tetrachloride	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A	
1,1-Dichloropropene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A	
Benzene	126	ug/L	EPA 524.2	12/9/24	W	EEP	A	
1,2-Dichloroethane	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A	
Trichloroethene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A	
1,2-Dichloropropane	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A	
Dibromomethane	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A	
Bromodichloromethane	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A	
cis-1,3-Dichloropropene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A	
Toluene	52.1	ug/L	EPA 524.2	12/9/24	W	EEP	A	
trans-1,3-Dichloropropene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A	
1,1,2-Trichloroethane	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A	
Tetrachloroethene	1.6	ug/L	EPA 524.2	12/9/24	W	EEP	A	
1,3-Dichloropropane	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A	
Dibromochloromethane	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A	
Chlorobenzene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A	
Ethylbenzene	2.0	ug/L	EPA 524.2	12/9/24	W	EEP	A	
1,1,1,2-Tetrachloroethane	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A	
Xylenes, Total	128	ug/L	EPA 524.2	12/9/24	W	EEP	A	
Styrene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A	
Bromoform	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A	
Isopropylbenzene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A	
1,1,2,2-Tetrachloroethane	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A	

Exhibit 3

Bromobenzene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
n-Propylbenzene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
1,2,3-Trichloropropane	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
2-Chlorotoluene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
1,3,5-Trimethylbenzene	3.8	ug/L	EPA 524.2	12/9/24	W	EEP	A
4-Chlorotoluene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
t-Butylbenzene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
1,2,4-Trimethylbenzene	9.8	ug/L	EPA 524.2	12/9/24	W	EEP	A
s-Butylbenzene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
4-Isopropyltoluene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
1,3-Dichlorobenzene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
1,4-Dichlorobenzene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
1,2,3-Trimethylbenzene	6.2	ug/L	EPA 524.2	12/9/24	W	EEP	U
n-Butylbenzene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
1,2-Dichlorobenzene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
1,2,4-Trichlorobenzene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
Hexachlorobutadiene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
Naphthalene	0.7	ug/L	EPA 524.2	12/9/24	W	EEP	A
1,2,3-Trichlorobenzene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
Surr. 1 (4-Bromofluorobenzene)	102	%	EPA 524.2	12/9/24	W	EEP	A
Surr. 2 (1,2-Dichlorobenzene d4)	110	%	EPA 524.2	12/9/24	W	EEP	A
TPH DRO Package			EPA 8015D		W		
Extraction TPH-DRO			EPA 3511		W		N
C7-C10 TPH		mg/L	EPA 8015D		W		U
C10-C28 TPH-DRO		mg/L	EPA 8015D		W		A
C28-C40 TPH		mg/L	EPA 8015D		W		U
Tot. Petroleum Hydrocarbons		mg/L	EPA 8015D		W		U
Hydrocarbon Window			EPA 8015D		W		U

- 002 | Site: Trip Blank | Date Sampled: 11/25/24 | Time: 12:30

Parameter	Result	Units	Method	Analysis Date/Time	Lab Tech		Nelac	Qual
VOC Potable Water			EPA 524.2		W			
Dichlorodifluoromethane	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A	
Chloromethane	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A	
Vinyl chloride	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A	
Bromomethane	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A	
Chloroethane	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A	
Trichlorofluoromethane	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A	
1,1-Dichloroethene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A	
Methylene chloride	1.1	ug/L	EPA 524.2	12/9/24	W	EEP	A	
Methyl-t-butyl ether (MTBE)	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A	
trans-1,2-Dichloroethene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A	
1,1-Dichloroethane	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A	
2,2-Dichloropropane	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A	
cis-1,2-Dichloroethene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A	
Bromochloromethane	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A	
Chloroform	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A	
1,1,1-Trichloroethane	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A	
Carbon tetrachloride	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A	

1,1-Dichloropropene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
Benzene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
1,2-Dichloroethane	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
Trichloroethene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
1,2-Dichloropropane	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
Dibromomethane	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
Bromodichloromethane	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
cis-1,3-Dichloropropene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
Toluene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
trans-1,3-Dichloropropene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
1,1,2-Trichloroethane	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
Tetrachloroethene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
1,3-Dichloropropane	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
Dibromochloromethane	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
Chlorobenzene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
Ethylbenzene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
1,1,1,2-Tetrachloroethane	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
Xylenes, Total	< 1.0	ug/L	EPA 524.2	12/9/24	W	EEP	A
Styrene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
Bromoform	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
Isopropylbenzene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
1,1,2,2-Tetrachloroethane	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
Bromobenzene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
n-Propylbenzene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
1,2,3-Trichloropropane	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
2-Chlorotoluene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
1,3,5-Trimethylbenzene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
4-Chlorotoluene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
t-Butylbenzene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
1,2,4-Trimethylbenzene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
s-Butylbenzene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
4-Isopropyltoluene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
1,3-Dichlorobenzene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
1,4-Dichlorobenzene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
1,2,3-Trimethylbenzene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	U
n-Butylbenzene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
1,2-Dichlorobenzene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
1,2,4-Trichlorobenzene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
Hexachlorobutadiene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
Naphthalene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
1,2,3-Trichlorobenzene	< 0.5	ug/L	EPA 524.2	12/9/24	W	EEP	A
Surr. 1 (4-Bromofluorobenzene)	105	%	EPA 524.2	12/9/24	W	EEP	A
Surr. 2 (1,2-Dichlorobenzene d4)	114	%	EPA 524.2	12/9/24	W	EEP	A

Exhibit S

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Exhibit S

SITE INVESTIGATION REPORT

MORRISSEY RESIDENCE

1006 Jerusalem Road
Bristol, Vermont 05443
SMS Site #2024-5483
Atlas Project #280EM01294 / 280EM01330

PREPARED FOR:
Noelle Stroik
VTDEC - Waste Management and Prevention Division
Davis Building – 1st Floor
One National live Drive
Montpelier, VT 05620

PREPARED BY:
Atlas Technical Consultants LLC
51 Knight Lane
Williston, VT 05495

October 27, 2025

Exhibit S

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Appendix A Field Notes and Boring Logs
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EXECUTIVE SUMMARY

On behalf of the Vermont Department of Environmental Conservation (VTDEC), Atlas Technical Consultants (Atlas) completed a Site Investigation (SI) at 1006 Jerusalem Road, Bristol, VT (the "Site"; SMS Site #2024-5483), in accordance with the Work Plan dated March 17, 2025, approved by Noelle Stroik of the Vermont Department of Environmental Conservation (VTDEC). This SI was requested by VTDEC in response to reported volatile organic compound (VOC) exceedances in drinking water from the onsite shallow overburden supply well. A granular activated carbon (GAC) point-of-entry treatment (POET) system was installed by Culligan Water Technologies (Culligan), coordinated by Atlas, on December 16, 2024, after receiving information that the homeowner noticed a strong fuel odor in late November, which prompted them to stop drinking their water and have it tested. Initial and confirmatory laboratory results included several detections of VOCs, including benzene, naphthalene, tetrachloroethene (PCE), and trimethylbenzenes (TMBs) in exceedance of Vermont Health Advisory Levels (VHAL) and/or Vermont Action Levels (VAL), as well as detections of other compounds. This work was performed in accordance with Atlas' Standard Operating Procedures (SOPs), available upon request, as well as Vermont's *Investigation and Remediation of Contaminated Properties Rule* (I-Rule, February 2024).

The Site is located in a rural, residential area of the town of Bristol on the western side of the Green Mountains of Vermont. The properties to the west and south are residential. The properties to the east and north are also residential and are utilized for a logging business, with a small-scale maintenance garage on the parcel owned by Bissonette to the east (33 Harlow Drive), less than 100 feet from the Morrissey Residence. The Site owners reported that several petroleum above-ground storage tanks (ASTs) were recently removed from 33 Harlow Drive, and that the property owner often performs maintenance on logging equipment in the unpaved driveway of the property.

On May 5, 2025, Atlas oversaw an onsite (1006 Jerusalem Rd) subsurface investigation which included the advancement of eight soil borings, four of which were completed as monitoring wells onsite (MW-4, MW-5, MW-7 and MW-8). Soil samples were collected from each soil boring for laboratory analysis of VOCs. Atlas performed monthly sampling of the POET system for six months post-installation, sampled nearby offsite water supply wells, and performed three rounds of groundwater monitoring in June, August and October 2025. Based on the results of the 2025 SI, Atlas concludes the following:

- No VOCs were detected in soil samples collected from soil borings at depths near the water table interface at the time of drilling in May 2025.
- Onsite groundwater flow direction was determined to be southwest toward unnamed tributaries of Baldwin Creek based on three monitoring events in four onsite monitoring wells in 2025. Based on general topography of the surrounding area, it appears that several unnamed tributaries to the north and south of the Site flow into Baldwin Creek which flows west.
- Sporadic detections of VOCs were reported in the influent samples from the onsite supply well from December 2024 to October 2025 and appear to correlate with dry periods and low water table.
- What appears to be petroleum and potentially solvent-related contamination has been detected in the onsite gravel water supply well and in monitoring well MW-5, which is situated directly upgradient of the onsite supply well downgradient of the reported location of former offsite ASTs at the 33 Harlow Drive property. Benzene, PCE, TMBs, toluene, and naphthalene have been detected in Site groundwater and drinking water in exceedance of Vermont standards. No semi-volatile organic compounds (SVOCs) were detected in groundwater samples.
- The suspected source is the reported former (ASTs) and maintenance activities at 33 Harlow Drive, which is located directly upgradient and within 100 feet of the onsite supply well.

Exhibit S

- The currently identified sensitive receptor is shallow groundwater, which includes onsite drinking water sourced from the shallow dug well. No VOCs were detected in offsite supply wells (bedrock or shallow gravel). Additional investigation is needed to determine the nature and extent of contamination to the onsite supply well and to assess potential impact on other sensitive receptors.

Based on the conclusions of this SI, Atlas recommends the following:

- Conduct additional investigation on the upgradient, offsite property at 33 Harlow Drive to define the nature and extent of groundwater contamination affecting the onsite supply well and to assess the potential impact on other sensitive receptors.
- Continue monitoring the POET system at the Morrissey Residence on a quarterly basis as long as it is in use. Atlas understands that the Morrissey's are assessing options to install a drilled bedrock well at the property.
- The VTDEC should share a copy of this report with the Site owners (Morrissey's) and the owner of the suspected offsite source (Bissonette).

Exhibit S

1. INTRODUCTION

On behalf of the Vermont Department of Environmental Conservation (VTDEC), Atlas Technical Consultants (Atlas) completed a Site Investigation (SI) at 1006 Jerusalem Road, Bristol, VT (the "Site"; SMS Site #2024-5483), in accordance with the Work Plan dated March 17, 2025, approved by Noelle Stroik of the Vermont Department of Environmental Conservation (VTDEC). This SI was requested by VTDEC in response to reported volatile organic compound (VOC) exceedances in drinking water from the onsite shallow overburden supply well. A granular activated carbon (GAC) point-of-entry treatment (POET) system was installed by Culligan Water Technologies (Culligan), coordinated by Atlas, on December 16, 2024, after receiving information that the homeowner noticed a strong fuel odor in late November, which prompted them to stop drinking their water and have it tested. Initial and confirmatory laboratory results included several detections of VOCs, including benzene, naphthalene, tetrachloroethene (PCE), and trimethylbenzenes (TMBs) in exceedance of Vermont Health Advisory Levels (VHAL) and/or Vermont Action Levels (VAL), as well as detections of other compounds. This work was performed in accordance with Atlas' Standard Operating Procedures (SOPs), available upon request, as well as Vermont's *Investigation and Remediation of Contaminated Properties Rule* (I-Rule, February 2024).

Under §35-302 of the I-Rule, the SI was designed to address the following objectives:

- Develop a Conceptual Site Model (CSM) in accordance with §35-303;
- Identify the source, degree, and spatial extent of contamination in all impacted or potentially impacted environmental media;
- Identify pathways that are conveying or could convey hazardous materials to sensitive receptors;
- Identify sensitive receptors that have been or may be impacted by the release;
- Identify data gaps that must be addressed to refine the CSM or evaluate corrective action alternatives; and
- Identify the need to conduct further investigation or corrective action based on the results of all site characterization data gathered to date.

1.1 Site Information

The Site is located at 1006 Jerusalem Road in Bristol, Vermont. Site coordinates are 44.168729°North, 72.972202°West. Refer to **Figure 1** for a Site Vicinity Map and **Figure 2** for a Site Plan.

Relationship	Owner/Operator	Mailing Address	Email	Phone #
Suspected Offsite Source	Nick Bissonnette	33 Harlow Drive Bristol VT 05443	--	802-777-0031
Site Property Owner	Samantha & Christopher Morrissey	1006 Jerusalem Rd. Bristol VT 05443	slpmorrissey@gmail.com cmovermont@gmail.com	802-338-0838

1.2 Deviations from Work Plan

All work was performed in accordance with the Work Plan dated March 17, 2025. No deviations from the Work Plan were noted. Additional rounds of groundwater sampling were performed in August and October 2025, to determine possible variations in groundwater VOC concentrations during a drier period with a much lower groundwater table than the initial June sampling event and to determine the source of contamination.

2. CONCEPTUAL SITE MODEL

The following working Conceptual Site Model (CSM) has been formulated in accordance with §35-303 of I-Rule utilizing available Site sources outlined below and outlines potential source(s) of release(s), infrastructure considerations, historical land use, geology, hydrogeology, contaminant fate and transport, sensitive receptors and potential exposure pathways. This CSM was developed based on available Site and surrounding property information on the Vermont Agency of Natural Resources (ANR) Natural Resources Atlas (NRA).

2.1 Site Setting, Infrastructure & Adjacent Properties

The Site (**Figure 1**) is located in a rural, residential area of the town of Bristol on the western side of the Green Mountains of Vermont. The properties to the west and south are residential. The properties to the east and north are also residential and are utilized for a logging business, with a small-scale maintenance garage on the parcel to the east (33 Harlow Drive), less than 100 feet from the Morrissey Residence. The Site owners reported that several petroleum above-ground storage tanks (ASTs) were recently removed from 33 Harlow Drive, and that the property owner often performs maintenance on logging equipment in the unpaved driveway of the property. The Site sits on a small plateau within an area that generally slopes west.

The Site is developed with a single-family residence and small barn. The Site and all nearby properties have private water supplies with a mix of shallow dug wells and drilled bedrock wells, and private septic systems. The onsite septic and leachfield is located on the north of the house, and the supply well is located on the southern corner of the property, approximately 65-feet southeast of the house. See **Figure 2** for a Site Plan. The onsite well is a dug gravel well with a depth to bottom of 16.2 feet below the top of the concrete riser, which sits 1.8 feet above ground surface. A GAC POET system was installed in December 2024 and is currently in use onsite to treat incoming drinking water for a variety of sporadically detected contaminants (discussed below). As of September 13, 2025, a total of 22,202 gallons have been treated through the GAC, an average usage of approximately 82 gallons per day.

2.2 Source(s) & Release(s) of Contamination & Site History

Atlas was contacted by the VTDEC in December 2024 to respond to a reported detection of benzene in Morrissey's drinking water, at a concentration of 126 micrograms per liter (µg/L), more than 25 times the VHAL of 5 µg/L, as well as concentrations of methyl tert-butyl ether (MTBE), toluene, ethylbenzene, PCE, TMBs, and xylenes. The Morrissey's observed a petroleum odor in their drinking water in November 2024 and collected a sample for laboratory analysis and subsequently contacted the VTDEC for assistance. The VTDEC contracted with Atlas to install the GAC POET system, which was installed by Culligan on December 16, 2024. Atlas collected confirmatory samples from influent, effluent, and mid-series ports at that time; sample results showed no detections of VOCs in exceedance of VHAL in the influent sample. However, several subsequent samples collected on a monthly basis had reported detections of VOCs in influent water in exceedance of VHAL, seemingly correlated with periods of low water table, and confirming a continuing source of contamination to the supply well. Benzene, naphthalene and TMBs have been reported in exceedance of VHAL, and PCE has exceeded the VAL. Several other VOCs have been detected below VALs.

The suspected source is the former ASTs and maintenance activities at 33 Harlow Drive, which is located directly upgradient and within 100-ft of the supply well. Atlas installed eight soil borings, four completed as monitoring wells, in May 2025 and performed several rounds of subsequent groundwater and drinking water monitoring, detailed in Section 3 of this report.

2.3 Site Geology & Hydrogeology

According to ANR's NRA, the surficial geology at the Site is glaciofluvial, consisting of ice contact outwash gravel of a kame terrace. Soils logged during the May 2025 soil boring program consisted mostly of alternating layers of silty fine sand and fine and coarse gravel with few cobbles. Bedrock geology at the Site consists of the Underhill Formation, primarily Cambrian and Neoproterozoic schist and mylonite described as light-gray to tan and rusty-weathering, fine-grained, well-foliated mylonitic albite-chlorite-muscovite-quartz (+/-dolomite) laminated schist (Ratcliffe et al, Bedrock Geologic Map of Vermont, 2011). Bedrock was likely encountered at SB-1 (**Figure 2**) during the May 2025 soil boring event, as the driller hit refusal at 4 feet below ground surface (fbgs) and bedrock crops out just a few yards north of that boring near the center of the Morrissey's north yard.

Onsite groundwater flow direction was determined to be southwest toward unnamed tributaries of Baldwin Creek based on three monitoring events in four onsite monitoring wells in 2025. Based on general topography of the surrounding area, it appears that several unnamed tributaries to the north and south of the Site flow into Baldwin Creek which flows west (**Figure 1**). There is a small pond on the adjacent 33 Harlow Drive property that may also influence surface water and groundwater flow; this has not been confirmed. Depth to groundwater ranged from approximately 1 foot below top of casing (ft btoc) in June to over 10 ft btoc in October due to a regional historic drought in 2025. The fluctuating groundwater table appears to be heavily influenced by precipitation events due to the coarse lithology. The relationship between the overburden and bedrock aquifers is undetermined at this time.

2.4 Contaminant Fate & Transport

What appears to be petroleum and potentially solvent-related contamination has been detected in the onsite gravel water supply well and in monitoring well MW-5, which is situated directly upgradient of the onsite supply well downgradient of the reported location of former offsite ASTs at the 33 Harlow Drive property. Sporadic detections of VOCs were reported in the influent samples from the supply well from December 2024 to October 2025 and appear to correlate with dry periods and low water table. It is possible that there is a sporadic source (multiple releases) of contamination that moves through the coarse subsurface fairly quickly (potentially high hydraulic conductivity/high flow rates) and is only detected if we happen to catch it soon after release(s). However, a more likely scenario is that there is a deeper pocket of contamination that only affects shallow onsite groundwater and drinking water when mobilized during periods with a low water table. No VOCs were detected above reporting limits in onsite soils or in offsite drinking water samples during the 2025 SI.

2.5 Sensitive Receptors & Exposure Pathways

The currently identified sensitive receptor is shallow groundwater, which includes onsite drinking water sourced from a shallow dug well. No VOCs were detected in offsite supply wells (bedrock or shallow gravel) or onsite soil. Additional investigation is needed to pinpoint the likely offsite source of contamination to the onsite supply well and to assess potential impact on other sensitive receptors.

Exhibit S

3. INVESTIGATIVE PROCEDURES AND RESULTS

Atlas completed this SI in accordance with the VTDEC-approved Work Plan. The following sections outline investigative procedures and results. Field notes, boring logs, sampling logs, and drinking water forms can be found in **Appendix A**, photographs in **Appendix B**, and laboratory reports in **Appendix C**.

3.1 Subsurface Investigation

On April 29, 2025, Atlas marked out boring locations, contacted Dig Safe in accordance with State law, and oversaw subsurface utility location by a private utility locator (Button Locating Services) to ensure that proposed boring locations were free of subsurface utilities.

On May 5, 2025, Atlas oversaw the advancement of eight soil borings, four of which were completed as monitoring wells onsite (MW-4, MW-5, MW-7 and MW-8, **Figure 2**), utilizing direct push technology (DPT) to depths of approximately 15 feet below ground surface (fbgs) by Cascade Drilling Services (Cascade). Refer to **Appendix A** for the field notes and boring logs. Photographs are included in **Appendix B**. During advancement, the soils were logged and field-screened for total organic vapors (TOVs) utilizing a portable photoionization detector (PID) equipped with a 10.6 eV lamp. Any visual or olfactory indications of contamination (staining, odors) were also noted. Soils consisted of alternating layers of silty fine sand and fine and coarse gravel with few cobbles. Refusal was hit at 4 ft below ground surface (bgs) SB-1, likely on bedrock, which crops out nearby to the north. PID readings were recorded at 0.0 parts per million-volume (ppmv) above background levels in all eight borings.

Soil samples were collected from all soil borings except SB-1 at depths near the water table interface in the absence of PID hits, which was between 10-12 ft bgs during the time of drilling. Samples were stored and transported on ice under chain-of-custody to Pace Analytical (Pace) of East Longmeadow, MA for analysis of VOCs via EPA Method 8260. Results are summarized in **Table 1**. No VOCs were detected above reporting limits (RLs) in any of the soil samples. Acetone was reported at estimated concentrations below the RL in SB-6, SB-7, and SB-8. Acetone is a common lab cleaner and often found at trace levels in prepared samples, including field and trip blanks.

Soil borings SB-4, -5, -7, and -8 were completed as a 1.5-inch groundwater monitoring wells, which consist of 10-foot sections of 0.010-inch factory slotted screen sections set to span the water table at the time of drilling. The screen sections were surrounded by a sand pack, a two-foot-thick (where possible) bentonite seal was placed above the sand pack, and the remaining annulus was backfilled with drilling spoils. The four monitoring wells were completed flush to grade with protective road boxes and developed until clear utilizing disposable bailers and a peristaltic pump. Development water was deposited on the ground next to the well. The new monitoring well locations were surveyed on June 3, 2025, by Lakeside Environmental Group.

3.2 Drinking Water Monitoring

Following the installation of the POET system in December 2024, Atlas performed six months of monthly monitoring, including the sampling of influent, mid-GAC series, and effluent samples to ensure the system was functioning properly, catch any contaminant breakthrough, and evaluate contaminant trends in the supply well (influent). The influent was also sampled in August, and the whole suite of samples was collected again in October to coincide with groundwater monitoring. Samples were stored and transported on ice under chain-of-custody to Pace for analysis of VOCs via EPA Method 524.2, specific to drinking water. Results are summarized in **Table 2a**.

No VOCs were detected above reporting limits in any of the mid-series or effluent samples, indicating that the POET system is functioning as designed and removing VOCs from finished drinking water. Some analytes, including naphthalene and 1,2,3-trichloropropane, were non-detect but had method detection limits (MDLs) above VHAL during some of the reporting events. This is not expected to be an issue due to the absence of all other analyzed VOCs, proving the POET system to be effective at removing contaminants.

Multiple VOCs were sporadically reported in the influent samples (collected from a port in the basement of the onsite residence, prior to the water entering the POET system). The presence of VOC detections seems to correlate with periods of dry weather when the water table is low. Samples collected after the system was installed in December, March, April and May were all non-detect above RLs. In January, February, August and October, the influent samples had reported detections of benzene in exceedance of VAL (0.5 µg/L) and the EPA's Maximum Contaminant Level (MCL; 5 µg/L), ranging from 45 µg/L (August) to 280 µg/L (October), more than 50 times the MCL. PCE was also detected in exceedance of the VAL (1 µg/L) for these sampling events. Naphthalene exceeded the VHAL during the same events with the exception of August. TMBs exceeded the VHAL in the January 2025 sample and were detected during the other events that had VOC detections. Other VOCs detected below their associated VHAL, VAL and/or MCL included ethylbenzene, MTBE, toluene, and total xylenes.

Trip blanks and duplicate samples were collected with most sample sets for standard quality assurance/quality control (QA/QC) purposes and analyzed for VOCs via EPA Method 524.2. A trip blank was inadvertently not submitted with the January 2025 sample set. No VOCs were detected in trip blanks associated with the December, March or May samples. The February and April trip blanks had detections of bromodichloromethane and chloroform above RLs; these compounds do not have associated VHALs, VALs or MCLs, were not detected in the Site samples and are possibly a laboratory contaminant. Trip blanks were submitted with drinking water and groundwater samples in August and October 2025 and were analyzed via EPA Method 8260. Acetone and chloroform were detected in the blank samples, again likely associated with laboratory cleaning agents. All duplicate relative percent differences (RPDs) were within the EPA recommended 30% for aqueous matrices.

On June 4, 2025, Atlas collected drinking water samples from several adjacent properties for analysis of VOCs via EPA Method 524.2. The VTDEC's Water Supply Field Collection Form was completed for each residence; these are included in **Appendix A**. Samples were collected from 1002, 1113, 1128, and 1145 Jerusalem Road, and from 33, 77 and 178 Harlow Drive (**Figure 1**). The supply wells varied from shallow gravel wells with concrete risers (similar to Morrissey's) to drilled bedrock wells. Photographs of the accessible wells are included in **Appendix B**. Sample results are summarized in **Table 2b**. No VOCs were detected above RLs in any of the offsite drinking water samples. A duplicate sample and trip blank were submitted with the June 4th sample set for QA/QC purposes. Both samples were non-detect for VOCs.

3.3 Groundwater Monitoring

On June 3, August 4, and October 2, 2025, groundwater samples were collected from all onsite groundwater monitoring wells (MW-4, -5, -7 and -8). Prior to sampling, the wells were gauged for depth to groundwater to determine flow direction. Groundwater elevations were calculated by subtracting the depth to water from surveyed top-of-casing (TOC) elevations. Depth to water in monitoring wells ranged from 1.10 to 1.88 feet below TOC (ft btoc) in June, 8.84 to 9.41 ft btoc in August, and 9.58 to 10.16 ft btoc in October due to a regional historic drought that worsened over the summer into Fall. Groundwater appears to flow southwest toward unnamed tributaries of Baldwin Creek. The hydraulic relationship between

overburden and bedrock aquifers is currently undetermined. These data are summarized in **Tables 3a - 3c** and groundwater elevation contour maps are provided as **Figures 3a – 3c**.

A sample was collected from the basement sump in January 2025 and analyzed for VOCs via EPA Method 8260. No VOCs were detected above RLs in this sample, assumed to be groundwater. Acetone was reported at an estimated concentration below the RL. These results are included in **Table 4a** with the groundwater sample results described below.

Groundwater samples were then collected from monitoring wells utilizing modified low-flow sampling procedures in accordance with US EPA Region I guidelines (September 2017) and Atlas' SOPs, until field parameters stabilized or until the well was purged dry. If the well purged dry, it was allowed to recharge before a grab sample was collected. The following field parameters were recorded during purging: temperature, dissolved oxygen (DO), oxidation-reduction potential (ORP), pH, specific conductance, and turbidity. Parameters were recorded on field forms included in **Appendix A**. Purge water was deposited onto the ground surface in the vicinity of each well. Duplicate samples were collected from MW-5 in June and August and from a grab sample of the supply well directly in October 2025, and trip blanks were collected with each sample set for QA/QC purposes. The samples were stored and transported on ice under chain-of-custody to Pace, for analysis of VOCs via EPA Method 8260 and for semi-VOCs (SVOCs) via EPA Method 8270 (June and August samples, only). The analytical data is compared to Vermont Groundwater Enforcement Standards (VGES) in **Table 4a** for VOCs and **Table 4b** for SVOCs.

No VOCs were detected above RLs in any of the groundwater samples from June or August 2025. Acetone was reported at estimated concentrations below the RL in most groundwater samples as well as the associated trip blanks. Given our current understanding of contaminant fate and transport at this Site, it was not surprising to see non-detect results during the June 2025 monitoring event, as it had been a rainy few months and the water table was high. Based on the lack of conclusive data during the June and August event when the water table was lower, the VTDEC requested the additional groundwater monitoring in October 2025 during really dry conditions and low water table. This sampling event corresponded with collection of drinking water samples from the POET system, as well as a grab sample directly from the supply well.

In the October 2025 samples, several VOCs were detected in exceedance of VGES in monitoring well MW-5, which is located directly upgradient of the onsite supply well and downgradient of the offsite garage. VGES exceedances include benzene at 390 µg/L, PCE at 7.5 µg/L, toluene at 1,000 µg/L, and total TMBs at 89 µg/L (**Table 4a**). Other VOCs detected below VGES include 2-butanone (MEK), ethylbenzene, and xylenes. No VOCs were detected above RLs in MW-4 (upgradient), MW-7 (downgradient) or MW-8 (cross-gradient). Estimated detections of benzene and xylenes were reported in the corresponding supply well grab sample, which was collected from the well with a bailer and may not be fully representative of groundwater entering the bottom of the well. However, an influent sample was collected pre-treatment at the same time as the groundwater samples (**Table 2a**). Reported concentrations in the influent sample were very similar to MW-5, with a VGES exceedance of benzene at 280 µg/L, and detections of ethylbenzene, naphthalene, PCE, TMBs, and xylenes. Total benzene, toluene, ethylbenzene and xylenes (BTEX) and benzene concentrations are shown on **Figure 4a**, and PCE and TMB concentrations are shown on **Figure 4b**, with the influent sample results listed at the supply well location.

Duplicates and trip blanks were submitted for laboratory analysis of VOCs via EPA Method 8260 for standard QA/QC purposes. Duplicates were collected from MW-5 for the June and August sampling events and from the Supply Well grab sample in October. RPDs were within the EPA's recommended 30% for

aqueous matrices. As mentioned above and similar to the trip blanks associated with drinking water samples, no VOCs were detected in trip blanks associated with groundwater with the exception of low-level detections of acetone and chloroform. These are suspected laboratory contaminants. No SVOCs were detected in June or August 2025 groundwater samples. Results are summarized in **Table 4b**.

3.4 Atlas Standard Operating Procedures

Atlas SOPs for this SI are listed below. All SOPs can be presented upon request.

SOP 1.0	Drilling Equipment Standards
SOP 2.0	Monitoring Well Construction Procedures
SOP 3.0	Well Development Procedures
SOP 4.0	General Sampling Procedures for Aqueous & Solid Matrices
SOP 8.1	Groundwater Sampling Collection Procedures Using Bailers or Pump
SOP 9.0	Water Level Measurement Procedure
SOP 10.0	Decontamination Procedure
SOP 11.0	Sample Custody Procedure

4. CONCLUSIONS & RECOMMENDATIONS

Based on the results of the 2025 SI, which involved an onsite (1006 Jerusalem Rd) subsurface investigation with the installation of eight soil borings, four of which were completed as groundwater monitoring wells, drinking water and groundwater monitoring, Atlas concludes the following:

- No VOCs were detected in soil samples collected from soil borings at depths near the water table interface at the time of drilling in May 2025.
- Onsite groundwater flow direction was determined to be southwest toward unnamed tributaries of Baldwin Creek based on three monitoring events in four onsite monitoring wells in 2025. Based on general topography of the surrounding area, it appears that several unnamed tributaries to the north and south of the Site flow into Baldwin Creek which flows west.
- Sporadic detections of VOCs were reported in the influent samples from the onsite supply well from December 2024 to October 2025 and appear to correlate with dry periods and low water table.
- What appears to be petroleum and potentially solvent-related contamination has been detected in the onsite gravel water supply well and in monitoring well MW-5, which is situated directly upgradient of the onsite supply well downgradient of the reported location of former offsite ASTs at the 33 Harlow Drive property. Benzene, PCE, TMBs, toluene, and naphthalene have been detected in Site groundwater and drinking water in exceedance of Vermont standards. No SVOCs were detected in groundwater samples.
- The suspected source is the reported former ASTs and maintenance activities at 33 Harlow Drive, which is located directly upgradient and within 100 feet of the onsite supply well.
- The currently identified sensitive receptor is shallow groundwater, which includes onsite drinking water sourced from a shallow dug well. No VOCs were detected in offsite supply wells (bedrock or shallow gravel). Additional investigation is needed to determine the nature and extent of contamination to the onsite supply well and to assess potential impact on other sensitive receptors.

Based on the conclusions of this SI, Atlas recommends the following:

- Conduct additional investigation on the upgradient, offsite property at 33 Harlow Drive to define the nature and extent of groundwater contamination affecting the onsite supply well and to assess the potential impact on other sensitive receptors.
- Continue monitoring the POET system at the Morrissey Residence on a quarterly basis as long as it is in use. Atlas understands that the Morrissey's are assessing options to install a drilled bedrock well at the property.
- The VTDEC should share a copy of this report with the Site owners (Morrissey's) and the owner of the suspected offsite source (Bissonette).

Exhibit S

5. SIGNATURES & CERTIFICATION

This report has been prepared by the employees of Atlas Technical Consultants, LLC, whose signatures appear below. Requests for information on the contents of this report should be directed to these individuals.

I certify under penalty of perjury that I am an environmental professional and that all content contained within this deliverable is to the best of my knowledge true and correct.

Prepared by:

Johanna Palmer
Senior Project Manager

Joseph J. Hayes, CPG, PG
Vermont Operations Manager

Exhibit S

FIGURES

Exhibit S

Figure 1 - Site Vicinity Map

Morrissey Residence - 1006 Jerusalem Road, Bristol VT

SMS# 2024-5483





LEGEND

- Hazardous Site
- Salvage Yard
- Aboveground Storage Tank
- Underground Storage Tank (working)
- Public Water Sources
  - Active
  - Inactive
  - Proposed
  - Active Non-Public, Previously Permitted
  - Inactive Non-Public, Previously Permitted
- Private Wells
  - GPS Located
  - Screen Digitized
  - E911 Address Matched
  - Welldriller/Clarion
  - Unknown Location Method
  - Incorrectly Located
- Parcels (standardized)
- Stream
  - Stream
  - Intermittent Stream
- Roads
  - Interstate
  - US Highway; 1
  - State Highway
  - Town Highway (Class 1)
  - Town Highway (Class 2,3)
  - Town Highway (Class 4)

JD - Jerusalem Road
HD - Harlow Drive

VERMONT

1: 3,907

1in = 326 ft.
1cm = 39 meters

198.0 0 99.00 198.0 Meters

WGS_1984_Web_Mercator_Auxiliary_Sphere

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DISCLAIMER: This map is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. ANR and the State of Vermont make no representations of any kind, including but not limited to, the warranties of merchantability, or fitness for a particular use, nor are any such warranties to be implied with respect to the data on this map.

THIS MAP IS NOT TO BE USED FOR NAVIGATION

NOTES

Map created using ANR's Natural Resources Atlas

Exhibit S



LEGEND

- PROPERTY LINE (APPROX.)
- EDGE OF GRAVEL DRIVE
- OH — OVERHEAD WIRE
- UTILITY POLE
- SUPPLY WELL
- MONITORING WELL
- SOIL BORING (APPROX.)

N

30 0 15 30

(IN FEET)

1 inch = 30 ft.

ATLAS

51 Knight Lane, PO Box 1486, Williston, VT 05495
Phone: 802-862-1980 www.oneatlas.com

PROJECT:

MORRISSEY RESIDENCE
1006 JERUSALEM ROAD
STARKSBORO, VERMONT

TITLE:

SITE PLAN

CLIENT:

VTDEC

COMPUTER CADFILE MORRISEY.dwg

DRAWN BY:	DESIGNED BY:	CHECKED BY:	APPROVED BY:
S.M.S.		J.P.	J.H.
SCALE:	**DATE:**	**JOB NO.:**	**FIGURE NO.:**
NOTED	6-12-25	280EM01330	2

Exhibit S



LEGEND

- PROPERTY LINE (APPROX.)
- EDGE OF GRAVEL DRIVE
- OH — OVERHEAD WIRE
- UTILITY POLE
- SUPPLY WELL
- MONITORING WELL
- SOIL BORING (APPROX.)

EXPLANATION

- GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION
- 95.42 GROUNDWATER ELEVATION (FT.)

N

30 0 15 30

(IN FEET)

1 inch = 30 ft.

ATLAS

51 Knight Lane, PO Box 1486, Williston, VT 05495
Phone: 802-862-1980 www.onesatlas.com

PROJECT:

MORRISSEY RESIDENCE
1006 JERUSALEM ROAD
STARKSBORO, VERMONT

TITLE:
GROUNDWATER ELEVATION CONTOUR MAP
JUNE 3, 2025

CLIENT:
VTDEC

COMPUTER CADFILE MORRISEY.dwg

DRAWN BY:	DESIGNED BY:	CHECKED BY:	APPROVED BY:
S.M.S.		J.P.	J.H.
SCALE:	**DATE:**	**JOB NO.:**	**FIGURE NO.:**
NOTED	9-8-25	280EM01330	3A

Exhibit S



LEGEND

- PROPERTY LINE (APPROX.)
- EDGE OF GRAVEL DRIVE
- OH — OVERHEAD WIRE
- UTILITY POLE
- SUPPLY WELL
- MONITORING WELL
- SOIL BORING (APPROX.)

EXPLANATION

- GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION
- 87.92 GROUNDWATER ELEVATION (FT.)

N

30 0 15 30

(IN FEET)

1 inch = 30 ft.

ATLAS

51 Knight Lane, PO Box 1486, Williston, VT 05495
Phone: 802-862-1980 www.oneatlas.com

PROJECT:

MORRISSEY RESIDENCE
1006 JERUSALEM ROAD
STARKSBORO, VERMONT

TITLE:

GROUNDWATER ELEVATION CONTOUR MAP
AUGUST 4, 2025

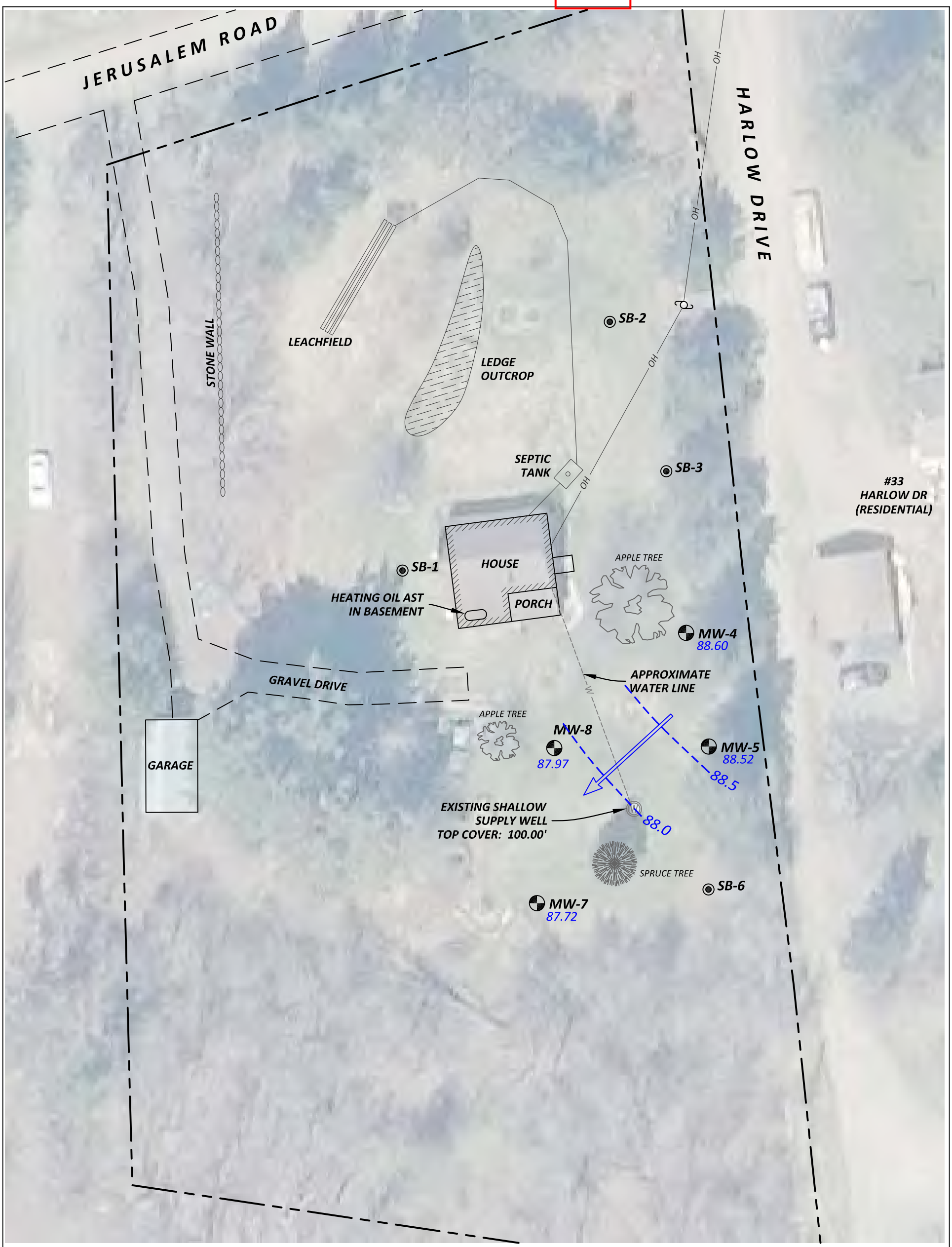
CLIENT:

VTDEC

COMPUTER CADFILE MORRISEY.dwg

DRAWN BY:	DESIGNED BY:	CHECKED BY:	APPROVED BY:
S.M.S.		J.P.	J.H.
SCALE:	**DATE:**	**JOB NO.:**	**FIGURE NO.:**
NOTED	9-8-25	280EM01330	3B

Exhibit S



LEGEND

- PROPERTY LINE (APPROX.)
- EDGE OF GRAVEL DRIVE
- OH — OVERHEAD WIRE
- UTILITY POLE
- SUPPLY WELL
- MONITORING WELL
- SOIL BORING (APPROX.)

EXPLANATION

- GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION
- 87.72 GROUNDWATER ELEVATION (FT.)

N

30 0 15 30

(IN FEET)

1 inch = 30 ft.

ATLAS

51 Knight Lane, PO Box 1486, Williston, VT 05495
Phone: 802-862-1980 www.oneatlas.com

PROJECT:

MORRISSEY RESIDENCE
1006 JERUSALEM ROAD
STARKSBORO, VERMONT

TITLE:

GROUNDWATER ELEVATION CONTOUR MAP
10/2/25

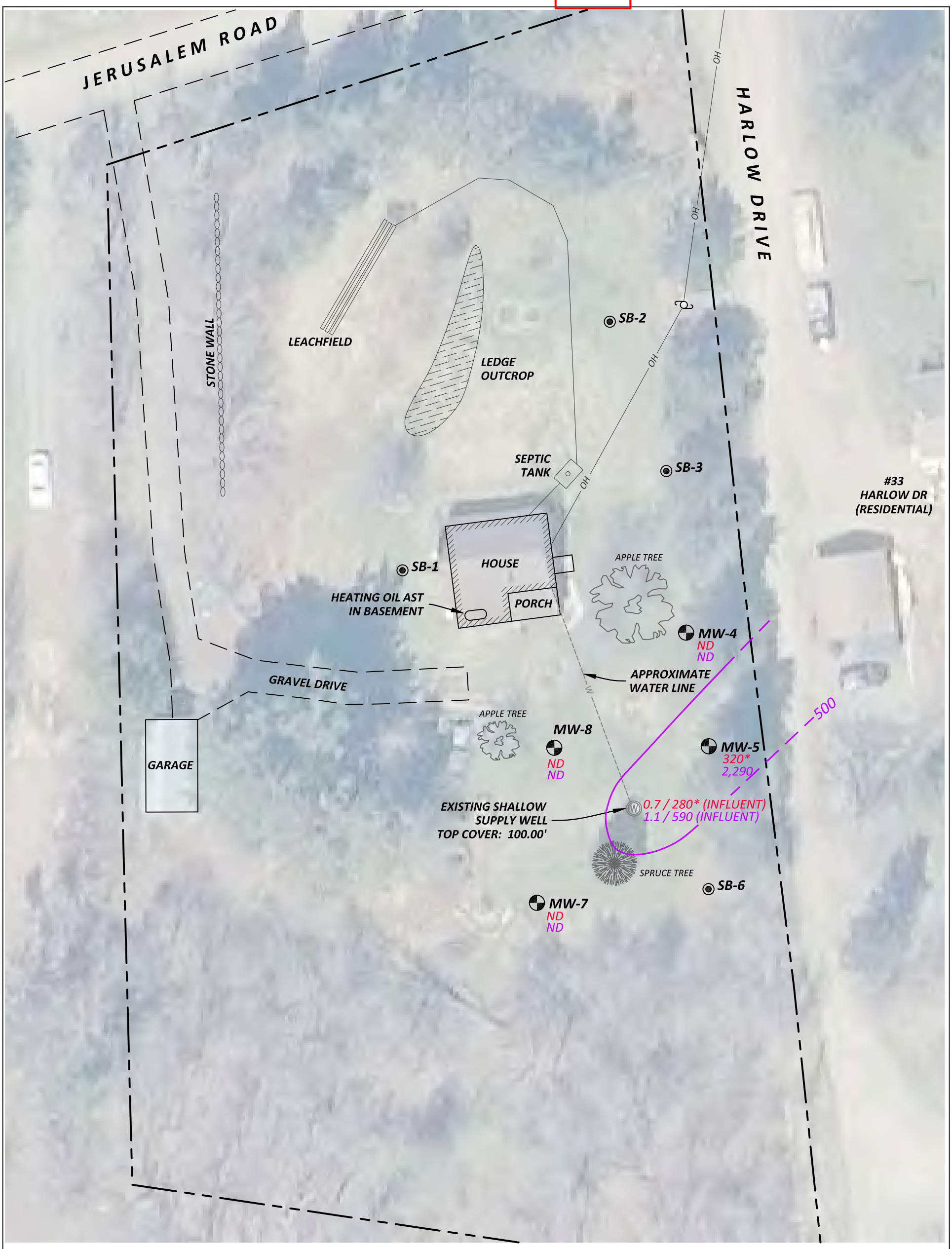
CLIENT:

VTDEC

COMPUTER CADFILE MORRISEY.dwg

DRAWN BY:	DESIGNED BY:	CHECKED BY:	APPROVED BY:
S.M.S.		J.P.	J.H.
SCALE:	**DATE:**	**JOB NO.:**	**FIGURE NO.:**
NOTED	10-22-25	280EM01330	3C

Exhibit S



LEGEND

- PROPERTY LINE (APPROX.)
- EDGE OF GRAVEL DRIVE
- OH — OVERHEAD WIRE
- UTILITY POLE
- SUPPLY WELL
- MONITORING WELL
- SOIL BORING (APPROX.)

EXPLANATION

- BTEX CONCENTRATION CONTOUR
- 2,290 — BTEX CONCENTRATION (ug/L)
  BTEX = TOTAL BENZENE, TOLUENE, ETHYLBENZENE & XYLENES
  BENZENE CONCENTRATION (ug/L)
  * EXCEEDS VGES (5 ug/L)
  ND = NON-DETECT

N

30 0 15 30

(IN FEET)

1 inch = 30 ft.

ATLAS

51 Knight Lane, PO Box 1486, Williston, VT 05495
Phone: 802-862-1980 www.onestlas.com

PROJECT:

MORRISSEY RESIDENCE
1006 JERUSALEM ROAD
STARKSBORO, VERMONT

TITLE:

BENZENE & BTEX CONCENTRATIONS IN GROUNDWATER 10/2/25

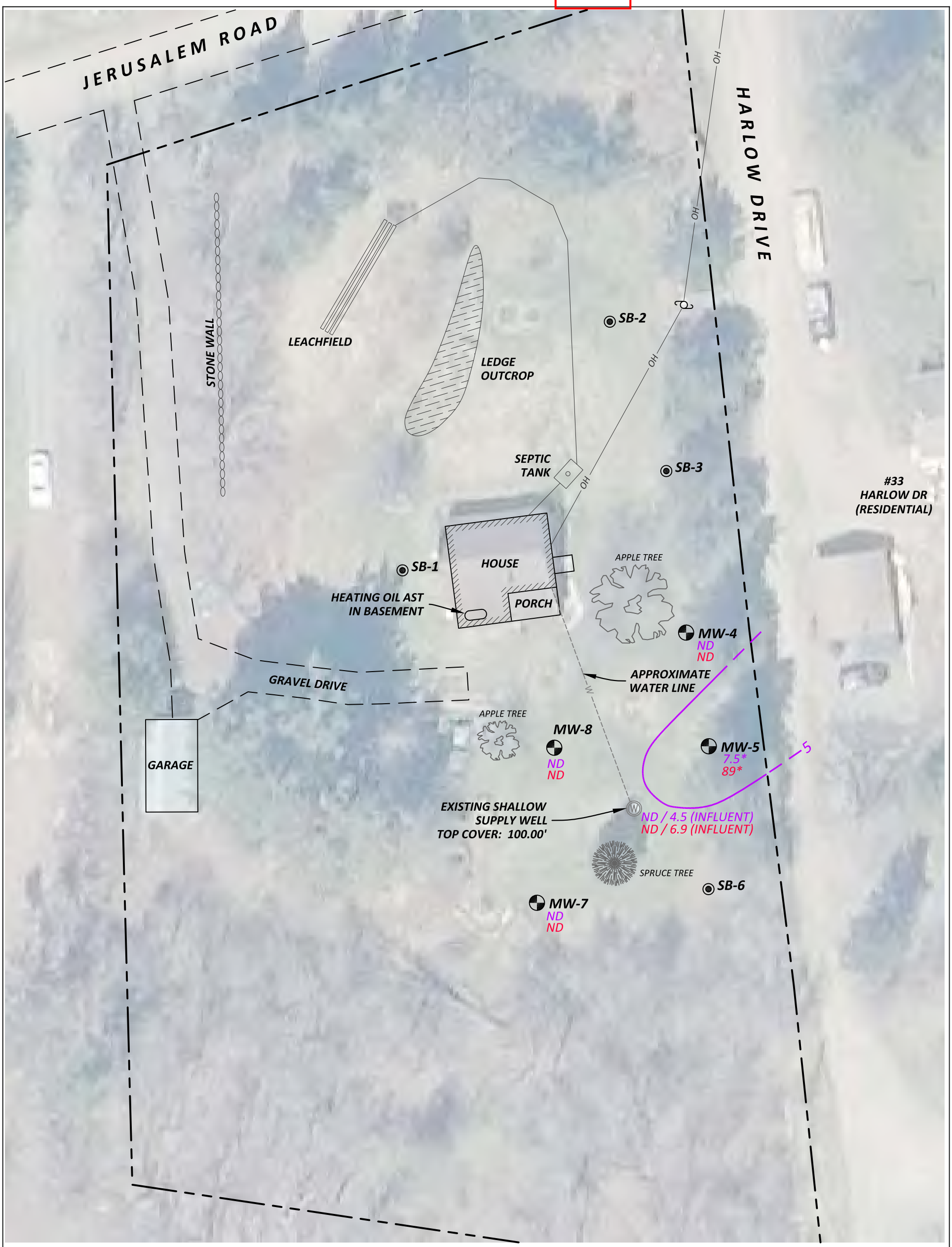
CLIENT:

VTDEC

COMPUTER CADFILE MORRISEY.dwg

DRAWN BY:	DESIGNED BY:	CHECKED BY:	APPROVED BY:
S.M.S.		J.P.	J.H.
SCALE:	**DATE:**	**JOB NO.:**	**FIGURE NO.:**
NOTED	10-22-25	280EM01330	4A

Exhibit S



LEGEND

- PROPERTY LINE (APPROX.)
- EDGE OF GRAVEL DRIVE
- OH — OVERHEAD WIRE
- UTILITY POLE
- SUPPLY WELL
- MONITORING WELL
- SOIL BORING (APPROX.)

EXPLANATION

- PCE CONCENTRATION CONTOUR
- 7.5 — PCE CONCENTRATION (ug/L)
  * EXCEEDS VGES (5 ug/L)
  TMB CONCENTRATION (ug/L)
  * EXCEEDS VGES (23 ug/L)
  ND = NON-DETECT

N

30 0 15 30

(IN FEET)

1 inch = 30 ft.

ATLAS
51 Knight Lane, PO Box 1486, Williston, VT 05495
Phone: 802-862-1980 www.oneatlas.com

PROJECT:

MORRISSEY RESIDENCE
1006 JERUSALEM ROAD
STARKSBORO, VERMONT

TITLE:

PCE & TMBs CONCENTRATIONS IN GROUNDWATER 10/2/25

CLIENT: VTDEC

COMPUTER CADFILE MORRISEY.dwg

DRAWN BY:	DESIGNED BY:	CHECKED BY:	APPROVED BY:
S.M.S.		J.P.	J.H.
SCALE:	**DATE:**	**JOB NO.:**	**FIGURE NO.:**
NOTED	10-22-25	280EM01330	4B

Exhibit S

TABLES

Exhibit S

TABLE 1.
VOC Concentrations in Soil

Morrissey Residence
1006 Jerusalem Drive, Bristol VT

Sampling Date: May 5, 2025

Compound		Sample ID:	SB-2 (10)	SB-3 (10)	SB-4 (11)	SB-5 (12.5)	SB-6 (10)	SB-7 (10)	SB-8 (10)
		PID (ppmv):	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	VSS (mg/kg)								
	Resident	Non-Resident							
Acetone	**63,079**	**816,169**	ND<0.051	ND<0.067	ND<0.049	ND<0.050	**0.0084 J**	**0.013 J**	**0.0077 J**
Benzene	**0.70**	**4.2**	ND<0.0010	ND<0.0013	ND<0.0049	ND<0.0010	ND<0.0012	ND<0.0011	ND<0.0010
Bromochloromethane	**193**	**597**	ND<0.0010	ND<0.0013	ND<0.00097	ND<0.0010	ND<0.0012	ND<0.0011	ND<0.0010
2-Butanone (MEK)	**16,952**	**26,991**	ND<0.020	ND<0.027	ND<0.019	ND<0.020	ND<0.024	ND<0.021	ND<0.020
n-Butylbenzene	**3,504**	**45,343**	ND<0.0010	ND<0.0013	ND<0.00097	ND<0.0010	ND<0.0012	ND<0.0011	ND<0.0010
sec-Butylbenzene	**7,009**	**90,685**	ND<0.0010	ND<0.0013	ND<0.00097	ND<0.0010	ND<0.0012	ND<0.0011	ND<0.0010
tert-Butylbenzene	**7,009**	**90,685**	ND<0.0010	ND<0.0013	ND<0.00097	ND<0.0010	ND<0.0012	ND<0.0011	ND<0.0010
Carbon disulfide	**608**	**661**	ND<0.010	ND<0.013	ND<0.010	ND<0.010	ND<0.012	ND<0.011	ND<0.010
Carbon tetrachloride	**0.37**	**2.2**	ND<0.0010	ND<0.0013	ND<0.00097	ND<0.0010	ND<0.0012	ND<0.0011	ND<0.0010
Chlorobenzene	**267**	**676**	ND<0.0010	ND<0.0013	ND<0.00097	ND<0.0010	ND<0.0012	ND<0.0011	ND<0.0010
1,2-Dibromo-3-chloropropane	**0.01**	**0.06**	ND<0.0010	ND<0.0013	ND<0.00097	ND<0.0010	ND<0.0012	ND<0.0011	ND<0.0010
1,2-Dibromoethane	**0.02**	**0.14**	ND<0.00051	ND<0.00067	ND<0.00049	ND<0.00050	ND<0.00060	ND<0.00053	ND<0.00050
1,1-Dichloroethane	**2.1**	**13**	ND<0.0010	ND<0.0013	ND<0.00097	ND<0.0010	ND<0.0012	ND<0.0011	ND<0.0010
1,2-Dichloroethane	**0.29**	**1.7**	ND<0.0010	ND<0.0013	ND<0.00097	ND<0.0010	ND<0.0012	ND<0.0011	ND<0.0010
cis-1,2-Dichloroethene	**77**	**352**	ND<0.0010	ND<0.0013	ND<0.00097	ND<0.0010	ND<0.0012	ND<0.0011	ND<0.0010
trans-1,2-Dichloroethene	**108**	**296**	ND<0.0010	ND<0.0013	ND<0.00097	ND<0.0010	ND<0.0012	ND<0.0011	ND<0.0010
1,2-Dichloropropane	**1.5**	**9.1**	ND<0.0010	ND<0.0013	ND<0.00097	ND<0.0010	ND<0.0012	ND<0.0011	ND<0.0010
Ethylbenzene	**3.7**	**22**	ND<0.0010	ND<0.0013	ND<0.00097	ND<0.0010	ND<0.0012	ND<0.0011	ND<0.0010
Isopropylbenzene	**256**	**264**	ND<0.0010	ND<0.0013	ND<0.00097	ND<0.0010	ND<0.0012	ND<0.0011	ND<0.0010
Methyl Tert Butyl Ether	**27**	**165**	ND<0.0020	ND<0.0027	ND<0.0019	ND<0.0020	ND<0.0024	ND<0.0021	ND<0.0020
Naphthalene	**1.2**	**7.2**	ND<0.0020	ND<0.0027	ND<0.0019	ND<0.0020	ND<0.0024	ND<0.0021	ND<0.0020
n-Propylbenzene	**253**	**261**	ND<0.0010	ND<0.0013	ND<0.00097	ND<0.0010	ND<0.0012	ND<0.0011	ND<0.0010
1,1,1,2-Tetrachloroethane	**1.3**	**7.91**	ND<0.0010	ND<0.0013	ND<0.00097	ND<0.0010	ND<0.0012	ND<0.0011	ND<0.0010
Tetrachloroethene	**2.4**	**14**	ND<0.0010	ND<0.0013	ND<0.00097	ND<0.0010	ND<0.0012	ND<0.0011	ND<0.0010
Toluene	**705**	**798**	ND<0.0010	ND<0.0013	ND<0.00097	ND<0.0010	ND<0.0012	ND<0.0011	ND<0.0010
Trichloroethene	**1.9**	**6.5**	ND<0.0010	ND<0.0013	ND<0.00097	ND<0.0010	ND<0.0012	ND<0.0011	ND<0.0010
1,2,3-Trichloropropane	**0.00311**	**0.07**	ND<0.0010	ND<0.0013	ND<0.00097	ND<0.0010	ND<0.0012	ND<0.0011	ND<0.0010
Trimethylbenzenes (total)	**144**	**177**	ND<0.0020	ND<0.0026	ND<0.00194	ND<0.0020	ND<0.0024	ND<0.0022	ND<0.0020
Vinyl chloride	**0.10**	**0.59**	ND<0.0051	ND<0.0067	ND<0.00049	ND<0.0050	ND<0.0060	ND<0.0053	ND<0.0050
Xylene (total)	**252**	**257**	ND<0.0030	ND<0.0040	ND<0.0029	ND<0.0030	ND<0.0036	ND<0.0032	ND<0.0030

Notes:

VOC - volatile organic compound. Only those with Vermont standards and/or detected compounds are shown in summary table.

All samples collected on May 5, 2025 by Atlas, and analzyed via EPA Method 8260 by Pace Analytical Services, East Longmeadow, MA.

Soil results provided in milligrams per kilogram (mg/kg).

ND (#) - Not detected above laboratory reporting limit, specified.

VSS - Vermont Soil Standards for Resident and Non-Resident Scenarios, from Appendix A of Vermont's I-Rule (February 2024).

Bolded values represent detections above method detection limit.

J - estimated value below laboratory reporting limit.

PID - photoionization detector reading, in parts per million-volume (ppmv).

Exhibit S

TABLE 2a.
VOC Concentrations in Drinking Water - Onsite

Morrissey Residence
1006 Jerusalem Drive, Bristol VT

				Influent Samples														
			Sample ID:	Kitchen Sink*	Influent					Influent		Well	Influent					DW-Inf
			Sample Date:	12/2/2024	12/16/2024	1/10/2025	2/17/2025	2/17/2025		3/17/2025	3/17/2025	3/17/2025	4/11/2025	4/11/2025	5/6/2025	5/6/2025	8/4/2025	10/2/2025
Analyte	**VHAL**	**VAL**	**MCL**	Pre-POET installation				(Duplicate)	*RPD*		(Duplicate)			(Duplicate)		(Duplicate)		
Benzene	--	**0.5**	**5**	**126**	ND<0.50	**170**	**110**	**110**	*0%*	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	**45**	**280**
Bromochloromethane	**7.7**	--	--	ND<0.5	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Bromodichloromethane	--	--	--	ND<0.5	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	**0.26 J**
sec-Butylbenzene	--	--	--	ND<0.5	ND<0.50	**0.19 J**	**0.14 J**	**0.18 J**	*25%*	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	**0.30 J**
Carbon Tetrachloride	--	**0.5**	**5**	ND<0.5	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Chlorobenzene	--	--	**100**	ND<0.5	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Chloroform	--	--	--	ND<0.5	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	**2.3**
Chloromethane	--	--	--	ND<0.5	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Dibromochloromethane	--	--	--	ND<0.5	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
1,2-Dichlorobenzene	**600**	--	--	ND<0.5	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
1,3-Dichlorobenzene	--	--	**600**	ND<0.5	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
1,4-Dichlorobenzene	--	--	**75**	ND<0.5	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
1,1-Dichloroethane	**70**	--	--	ND<0.5	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
1,2-Dichloroethane	--	**0.5**	**5**	ND<0.5	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
1,1-Dichloroethylene	--	--	**7**	ND<0.5	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
cis-1,2-Dichloroethylene	--	--	**70**	ND<0.5	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
trans-1,2-Dichloroethylene	--	--	**100**	ND<0.5	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
1,2-Dichloropropane	--	**0.5**	**5**	ND<0.5	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Ethylbenzene	--	--	**700**	**2.0**	ND<0.50	**4.2**	**1.0**	**1.1**	*10%*	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	**0.47 J**	**1.2**
Isopropylbenzene (Cumene)	--	--	--	ND<0.5	ND<0.50	**1.7**	**1.0**	**1.2**	*18%*	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	**0.59**	**3.0**
Methyl tert-Butyl Ether (MTBE)	**11.3**	--	--	**0.9**	ND<0.50	**1.2**	**0.90**	**0.91**	*1%*	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	**0.36 J**	**2.3**
Methylene Chloride	--	--	**5**	ND<0.5	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Naphthalene	**0.5**	--	--	**0.7**	ND<1.0	**1.5**	**1.3**	**1.3**	*0%*	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	*ND<0.27*	**1.6**
n-Propylbenzene	--	--	--	ND<0.5	ND<0.50	**2.6**	**1.3**	**1.5**	*14%*	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	**0.52**	**1.2**
Styrene	--	--	**100**	ND<0.5	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
1,1,1,2-Tetrachloroethane	**70**	--	--	ND<0.5	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Tetrachloroethylene (PCE)	--	**1**	**5**	**1.6**	**0.26 J**	**2.0**	**1.6**	**1.8**	*12%*	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	**1.7**	**4.5**
Toluene	--	--	**1,000**	**52.1**	ND<0.50	**56**	**13**	**14**	*7%*	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	**19**	**39**
1,2,3-Trichlorobenzene	**0.9**	--	--	ND<0.5	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
1,2,4-Trichlorobenzene	--	--	**70**	ND<0.5	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
1,1,1-Trichloroethane	--	--	**200**	ND<0.5	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
1,1,2-Trichloroethane	--	--	**5**	ND<0.5	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Trichloroethylene (TCE)	--	**0.5**	**5**	ND<0.5	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
1,2,3-Trichloropropane	**0.02**	--	--	ND<0.5	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	*ND<0.13*	*ND<0.13*
Trimethylbenzenes (total)	**23.2**	--	--	**19.8**	ND<1.0	**29**	**15**	**17**	*16%*	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	**2.5**	**6.9**
Vinyl Chloride	--	**0.5**	**2**	ND<0.5	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Xylenes (total)	--	--	**10,000**	**128**	ND<1.5	**280**	**140**	**150**	*7%*	ND<1.5	ND<1.5	ND<1.5	ND<1.5	ND<1.5	ND<1.5	ND<1.5	**38**	**270**

Notes:

VOC - volatile organic compound. Only those with applicable standards and/or detected compounds are shown in summary table.

Samples analyzed via EPA Method 524.2 by Pace Analytical

*12/2/2024 Kitchen Sink sample collected by homeowner and analyzed at Endyne.

VHAL - Vermont Health Advisory Level

VAL - Vermont Action Level

MCL - Maximum Contaminant Level (EPA)

All values are in micrograms per liter (µg/L)

ND< - not detected at or above stated reporting limit (RL)

ND< - not detected at or above method detection limit (MDL) instead of RL, as RL exceeds one or more standards.

J - detected above MDL but below RL, and therefore estimated.

RPD - relative percent difference between parent and duplicate sample. Not calculated for ND results.

Exhibit S

TABLE 2a.
VOC Concentrations in Drinking Water - Onsite

Morrissey Residence
1006 Jerusalem Drive, Bristol VT

				Mid-Series Samples						Effluent Samples							Trip Blanks				
			Sample ID:	Mid	Mid	Mid	Mid	Mid	DW-Mid	Effluent	Kitchen Sink	Effluent	Effluent	Effluent	Effluent	DW-Eff	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank
			Sample Date:	1/10/2025	2/17/2025	3/17/2025	4/11/2025	5/6/2025	10/2/2025	12/16/2024	1/10/2025	2/17/2025	3/17/2025	4/11/2025	5/6/2025	10/2/2025	12/16/2024	2/17/2025	3/17/2025	4/11/2025	5/6/2025
Analyte	**VHAL**	**VAL**	**MCL**																		
Benzene	--	0.5	5	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Bromochloromethane	7.7	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Bromodichloromethane	--	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	**0.61**	ND<0.50	**5.0**	ND<0.50
sec-Butylbenzene	--	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Carbon Tetrachloride	--	0.5	5	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Chlorobenzene	--	--	100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Chloroform	--	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	**10**	ND<0.50	**33**	ND<0.50
Chloromethane	--	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	**0.36 J**	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	**0.43 J**	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Dibromochloromethane	--	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	**0.24 J**	ND<0.50
1,2-Dichlorobenzene	600	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
1,3-Dichlorobenzene	--	--	600	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
1,4-Dichlorobenzene	--	--	75	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
1,1-Dichloroethane	70	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
1,2-Dichloroethane	--	0.5	5	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
1,1-Dichloroethylene	--	--	7	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
cis-1,2-Dichloroethylene	--	--	70	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
trans-1,2-Dichloroethylene	--	--	100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
1,2-Dichloropropane	--	0.5	5	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Ethylbenzene	--	--	700	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Isopropylbenzene (Cumene)	--	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Methyl tert-Butyl Ether (MTBE)	11.3	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Methylene Chloride	--	--	5	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Naphthalene	0.5	--	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	*ND<0.27*	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	*ND<0.27*	*ND<0.37*	ND<1.0	ND<0.50	ND<1.0	*ND<0.27*
n-Propylbenzene	--	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Styrene	--	--	100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
1,1,1,2-Tetrachloroethane	70	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Tetrachloroethylene (PCE)	--	1	5	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Toluene	--	--	1,000	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
1,2,3-Trichlorobenzene	0.9	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
1,2,4-Trichlorobenzene	--	--	70	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
1,1,1-Trichloroethane	--	--	200	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
1,1,2-Trichloroethane	--	--	5	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Trichloroethylene (TCE)	--	0.5	5	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
1,2,3-Trichloropropane	0.02	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	*ND<0.13*	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	*ND<0.13*	*ND<0.12*	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Trimethylbenzenes (total)	23.2	--	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
Vinyl Chloride	--	0.5	2	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Xylenes (total)	--	--	10,000	ND<1.5	ND<1.5	ND<1.5	ND<1.5	ND<1.5	ND<1.5	ND<1.5	ND<1.5	ND<1.5	ND<1.5	ND<1.5	ND<1.5	ND<1.5	ND<1.5	ND<1.5	ND<1.5	ND<1.5	ND<1.5

Notes:

VOC - volatile organic compound. Only those with applicable standards and/or detected compounds are shown in summary table.

Samples analyzed via EPA Method 524.2 by Pace Analytical

*12/2/2024 Kitchen Sink sample collected by homeowner and analyzed at Endyne.

VHAL - Vermont Health Advisory Level

VAL - Vermont Action Level

MCL - Maximum Contaminant Level (EPA)

All values are in micrograms per liter (µg/L)

ND< - not detected at or above stated reporting limit (RL)

ND< - not detected at or above method detection limit (MDL) instead of RL, as RL exceeds one or more standards.

J - detected above MDL but below RL, and therefore estimated.

RPD - relative percent difference between parent and duplicate sample. Not calculated for ND results.

Exhibit S

TABLE 2b.
VOC Concentrations in Drinking Water - Offsite

Morrissey Residence
1006 Jerusalem Drive, Bristol VT

				Sample ID:	1002-JD	1113-JD	1128-JD	Duplicate (1128 JD)	1145-JD	33-HD	77-HD	178-HD	Trip Blank
				Sample Date:	6/4/2025	6/4/2025	6/4/2025	6/4/2025	6/4/2025	6/4/2025	6/4/2025	6/4/2025	6/4/2025
Analyte	**VHAL**	**VAL**	**MCL**										
Benzene	--	**0.5**	**5**		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Bromobenzene	--	--	--		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Bromochloromethane	**7.7**	--	--		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Bromodichloromethane	--	--	--		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Bromoform	--	--	--		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Bromomethane	--	--	--		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
n-Butylbenzene	--	--	--		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
sec-Butylbenzene	--	--	--		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
tert-Butylbenzene	--	--	--		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Carbon Tetrachloride	--	**0.5**	**5**		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Chlorobenzene	--	--	**100**		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Chloroethane	--	--	--		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Chloroform	--	--	--		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Chloromethane	--	--	--		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
2-Chlorotoluene	--	--	--		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
4-Chlorotoluene	--	--	--		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Dibromochloromethane	--	--	--		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Dibromomethane	--	--	--		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
1,2-Dichlorobenzene	**600**	--	--		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
1,3-Dichlorobenzene	--	--	**600**		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
1,4-Dichlorobenzene	--	--	**75**		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Dichlorodifluoromethane (Freon 12)	--	--	--		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
1,1-Dichloroethane	**70**	--	--		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
1,2-Dichloroethane	--	**0.5**	**5**		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
1,1-Dichloroethylene	--	--	**7**		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
cis-1,2-Dichloroethylene	--	--	**70**		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
trans-1,2-Dichloroethylene	--	--	**100**		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
1,2-Dichloropropane	--	**0.5**	**5**		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
1,3-Dichloropropane	--	--	--		ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
2,2-Dichloropropane	--	--	--		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
1,1-Dichloropropene	--	--	--		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
cis-1,3-Dichloropropene	--	--	--		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
trans-1,3-Dichloropropene	--	--	--		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
1,3-Dichloropropene (total)	--	--	--		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Ethylbenzene	--	--	**700**		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Hexachlorobutadiene	--	--	--		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Isopropylbenzene (Cumene)	--	--	--		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
p-Isopropyltoluene (p-Cymene)	--	--	--		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Methyl tert-Butyl Ether (MTBE)	**11.3**	--	--		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Methylene Chloride	--	--	**5**		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Naphthalene	**0.5**	--	--		*ND<0.27*	*ND<0.27*	*ND<0.27*	*ND<0.27*	*ND<0.27*	*ND<0.27*	*ND<0.27*	*ND<0.27*	*ND<0.27*
n-Propylbenzene	--	--	--		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Styrene	--	--	**100**		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
1,1,1,2-Tetrachloroethane	**70**	--	--		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
1,1,2,2-Tetrachloroethane	--	--	--		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Tetrachloroethylene	--	**1**	**5**		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Toluene	--	--	**1,000**		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
1,2,3-Trichlorobenzene	**0.9**	--	--		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
1,2,4-Trichlorobenzene	--	--	**70**		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
1,3,5-Trichlorobenzene	--	--	--		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
1,1,1-Trichloroethane	--	--	**200**		ND<0.50	ND<0.50	**0.26 J**	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
1,1,2-Trichloroethane	--	--	**5**		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Trichloroethylene	--	**0.5**	**5**		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Trichlorofluoromethane (Freon 11)	--	--	--		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
1,2,3-Trichloropropane	**0.02**	--	--		*ND<0.13*	*ND<0.13*	*ND<0.13*	*ND<0.13*	*ND<0.13*	*ND<0.13*	*ND<0.13*	*ND<0.13*	*ND<0.13*
Total Trimethylbenzenes	**23.2**	--	--		ND<1.5	ND<1.5	ND<1.5	ND<1.5	ND<1.5	ND<1.5	ND<1.5	ND<1.5	ND<1.5
Vinyl Chloride	--	**0.5**	**2**		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Xylenes (total)	--	--	**10,000**		ND<1.5	ND<1.5	ND<1.5	ND<1.5	ND<1.5	ND<1.5	ND<1.5	ND<1.5	ND<1.5

Notes:

VOCs - volatile organic compounds

Samples analyzed via EPA Method 524.2 by Pace Analytical

VHAL - Vermont Health Advisory Level

VAL - Vermont Action Level

MCL - Maximum Contaminant Level (EPA)

All values are in micrograms per liter (µg/L)

ND< - not detected at or above stated reporting limit (RL)

ND< - not detected at or above method detection limit (MDL) instead of RL, as RL exceeds one or more standards.

J - detected above MDL but below RL, and therefore estimated.

JD - Jerusalem Road; HD - Harlow Drive

Exhibit S

TABLE 3a
GROUNDWATER ELEVATION CALCULATIONS

Morrissey Residence
1006 Jerusalem Road, Bristol VT

Monitoring Date: June 3, 2025

Well I. D.	TOC Elevation (ft)	Depth to Water (ft bTOC)	Groundwater Elevation
MW-4	98.76	1.22	97.54
MW-5	98.12	1.10	97.02
MW-7	97.30	1.88	95.42
MW-8	97.86	1.33	96.53

NOTES:
Wells surveyed on 6/3/25 by Lakeside Environmental Group
ft bTOC = feet below top of casing

Exhibit S

TABLE 3b
GROUNDWATER ELEVATION CALCULATIONS

Morrissey Residence
1006 Jerusalem Road, Bristol VT

Monitoring Date: August 4, 2025

Well I. D.	TOC Elevation (ft)	Depth to Water (ft bTOC)	Groundwater Elevation
MW-4	98.76	9.41	89.35
MW-5	98.12	8.84	89.28
MW-7	97.30	9.38	87.92
MW-8	97.86	9.28	88.58

NOTES:
Wells surveyed on 6/3/25 by Lakeside Environmental Group
ft bTOC = feet below top of casing

Exhibit S

TABLE 3c
GROUNDWATER ELEVATION CALCULATIONS

Morrissey Residence
1006 Jerusalem Road, Bristol VT

Monitoring Date: October 2, 2025

Well I. D.	TOC Elevation (ft)	Depth to Water (ft bTOC)	Groundwater Elevation
MW-4	98.76	10.16	88.60
MW-5	98.12	9.60	88.52
MW-7	97.30	9.58	87.72
MW-8	97.86	9.89	87.97

NOTES:
Wells surveyed on 6/3/25 by Lakeside Environmental Group
ft bTOC = feet below top of casing

Exhibit S

TABLE 4a.
VOC Concentrations in Groundwater

Morrissey Residence
1006 Jerusalem Drive, Bristol VT

	Sample ID:	Sump	Supply Well			MW-4			MW-5						
	Sample Date:	1/10/2025	10/2/2025			6/3/2025	8/4/2025	10/2/2025	6/3/2025			8/4/2025			10/2/2025
Analyte	**VGES**			Duplicate	*RPD*					Duplicate	*RPD*		Duplicate	*RPD*	
Acetone	**950**	**2.1 J**	**5.5 J**	**5.4 J**	2%	ND<50	**6.4 J**	**4.3 J**	**2.9 J**	**2.3 J**	23%	**5.3 J**	**5.1 J**	28%	**110 J**
Acrylonitrile	--	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<50
tert-Amyl Methyl Ether (TAME)	--	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	--	ND<5.0
Benzene	**5**	ND<1.0	**0.67 J**	**0.70 J**	4%	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	--	**320**
Bromobenzene	--	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	--	ND<10
Bromochloromethane	**8**	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	--	*ND<3.4*
Bromodichloromethane	--	ND<0.50	**0.64**	**0.66**	3%	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	--	ND<5.0
Bromoform	--	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	--	ND<10
Bromomethane	**5**	ND<2.0	ND<2.0	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	ND<2.0	ND<2.0	--	*ND<9.1*
2-Butanone (MEK)	--	ND<20	ND<20	ND<20	--	ND<20	ND<20	ND<20	ND<20	ND<20	--	ND<20	ND<20	--	**47 J**
tert-Butyl Alcohol (TBA)	--	ND<20	ND<20	ND<20	--	ND<20	ND<20	ND<20	ND<20	ND<20	--	ND<20	ND<20	--	ND<200
n-Butylbenzene	--	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	--	ND<10
sec-Butylbenzene	--	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	--	ND<10
tert-Butylbenzene	--	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	--	ND<10
tert-Butyl Ethyl Ether (TBEE)	--	ND<1.0	ND<1.0	ND<1.0	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	--	ND<5.0
Carbon Disulfide	--	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	**3.2 J**	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<50
Carbon Tetrachloride	**5**	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	*ND<1.8*
Chlorobenzene	**100**	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	--	ND<10
Chlorodibromomethane	--	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	--	ND<5.0
Chloroethane	--	ND<2.0	ND<2.0	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	ND<2.0	ND<2.0	--	ND<20
Chloroform	--	ND<2.0	**4.8**	**4.7**	2%	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	ND<2.0	ND<2.0	--	ND<20
Chloromethane	--	ND<2.0	ND<2.0	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	ND<2.0	ND<2.0	--	ND<20
2-Chlorotoluene	--	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	--	ND<10
4-Chlorotoluene	--	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	--	ND<10
1,2-Dibromo-3-chloropropane (DBCP)	--	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	ND<50
1,2-Dibromoethane (EDB)	--	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	--	ND<5.0
Dibromomethane	--	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	--	ND<10
1,2-Dichlorobenzene	**600**	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	--	ND<10
1,3-Dichlorobenzene	**600**	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	--	ND<10
1,4-Dichlorobenzene	**75**	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	--	ND<10
trans-1,4-Dichloro-2-butene	--	ND<2.0	ND<2.0	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	ND<2.0	ND<2.0	--	ND<20
Dichlorodifluoromethane (Freon 12)	--	ND<2.0	ND<2.0	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	ND<2.0	ND<2.0	--	ND<20
1,1-Dichloroethane	**70**	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	--	ND<10
1,2-Dichloroethane	**5**	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	--	*ND<2.8*
1,1-Dichloroethylene	**7**	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	--	*ND<1.5*
cis-1,2-Dichloroethylene	**70**	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	--	ND<10
trans-1,2-Dichloroethylene	**100**	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	--	ND<10
1,2-Dichloropropane	**5**	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	--	*ND<2.0*
1,3-Dichloropropane	--	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	--	ND<5.0
2,2-Dichloropropane	--	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	--	ND<10
1,1-Dichloropropene	--	ND<2.0	ND<2.0	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	ND<2.0	ND<2.0	--	ND<20
cis-1,3-Dichloropropene	--	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	--	ND<5.0
trans-1,3-Dichloropropene	--	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	--	ND<5.0
Diethyl Ether	--	ND<2.0	ND<2.0	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	ND<2.0	ND<2.0	--	ND<20
Diisopropyl Ether (DIPE)	--	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	--	ND<5.0
1,4-Dioxane	**0.3**	*ND<11*	*ND<14*	*ND<14*	--	*ND<14*	*ND<14*	*ND<14*	*ND<14*	*ND<14*	--	*ND<14*	*ND<14*	--	*ND<140*
Ethylbenzene	**700**	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	--	**160**
Hexachlorobutadiene	--	ND<0.60	ND<0.60	ND<0.60	--	ND<0.60	ND<0.60	ND<0.60	ND<0.60	ND<0.60	--	ND<0.60	ND<0.60	--	ND<6.0
2-Hexanone (MBK)	--	ND<10	ND<10	ND<10	--	ND<10	ND<10	ND<10	ND<10	ND<10	--	ND<10	ND<10	--	ND<100
Isopropylbenzene (Cumene)	--	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	--	**4.4 J**
p-Isopropyltoluene (p-Cymene)	--	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	--	ND<10
Methyl Acetate	--	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<2.0	ND<2.0	--	ND<20
Methyl tert-Butyl Ether (MTBE)	**11**	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	--	ND<10
Methyl Cyclohexane	--	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	--	**6.9 J**
Methylene Chloride	**5**	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0	ND<5.0	--	*ND<1.7*
4-Methyl-2-pentanone (MIBK)	--	ND<10	ND<10	ND<10	--	ND<10	ND<10	ND<10	ND<10	ND<10	--	ND<10	ND<10	--	ND<100
Naphthalene	**0.5**	*ND<0.25*	*ND<0.21*	*ND<0.21*	--	*ND<0.21*	*ND<0.21*	*ND<0.21*	*ND<0.21*	*ND<0.21*	--	*ND<0.21*	*ND<0.21*	--	*ND<2.1*
n-Propylbenzene	--	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	--	**11**
Styrene	**100**	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	--	ND<10
1,1,1,2-Tetrachloroethane	**70**	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	--	ND<10
1,1,2,2-Tetrachloroethane	--	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	--	ND<5.0
Tetrachloroethylene	**5**	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	--	**7.5 J**
Tetrahydrofuran	--	ND<10	ND<10	ND<10	--	ND<10	ND<10	ND<10	ND<10	ND<10	--	ND<10	ND<10	--	ND<100
Toluene	**1000**	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	--	**1000**
1,2,3-Trichlorobenzene	**0.9**	*ND<0.22*	*ND<0.21*	*ND<0.21*	--	*ND<0.21*	*ND<0.21*	*ND<0.21*	*ND<0.21*	*ND<0.21*	--	*ND<0.21*	*ND<0.21*	--	*ND<2.1*
1,2,4-Trichlorobenzene	**70**	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	--	ND<10
1,3,5-Trichlorobenzene	--	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	--	ND<10
1,1,1-Trichloroethane	**200**	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	--	ND<10
1,1,2-Trichloroethane	**5**	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	--	*ND<1.5*
Trichloroethylene	**5**	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	--	*ND<1.6*
Trichlorofluoromethane (Freon 11)	--	ND<2.0	ND<2.0	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	ND<2.0	ND<2.0	--	ND<20
1,2,3-Trichloropropane	**0.02**	*ND<0.27*	*ND<0.23*	*ND<0.23*	--	*ND<0.23*	*ND<0.23*	*ND<0.23*	*ND<0.23*	*ND<0.23*	--	*ND<0.23*	*ND<0.23*	--	*ND<2.3*
1,1,2,-Trichloro-1,2,2-trifluorothane (Freon 113)	--	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	--	ND<10
Total Trimethylbenzenes	**23**	ND<2.0	ND<2.0	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	ND<2.0	ND<2.0	--	**89**
Vinyl Chloride	**2**	ND<2.0	ND<2.0	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	ND<2.0	ND<2.0	--	*ND<2.2*
Xylenes (total)	**10000**	ND<3.0	**0.39 J**	**0.40 J**	3%	ND<3.0	ND<3.0	ND<3.0	ND<3.0	ND<3.0	--	ND<3.0	ND<3.0	--	**810**

Notes:

VOCs - volatile organic compounds

Samples analyzed via EPA Method 8260D by Pace Analytical

VGES - Vermont Groundwater Enforcement Standard

All values are in micrograms per liter (µg/L)

ND< - not detected at or above stated reporting limit (RL)

ND< - not detected at or above method detection limit (MDL) instead of RL, as RL exceeds VGES.

J - detected above MDL but below RL, and therefore estimated.

RPD - relative percent difference between parent and duplicate sample. Not calculated for ND results.

Exhibit S

TABLE 4a.
VOC Concentrations in Groundwater

Morrissey Residence
1006 Jerusalem Drive, Bristol VT

	Sample ID:	MW-7			MW-8			Trip Blank		
	Sample Date:	6/3/2025	8/4/2025	10/2/2025	6/3/2025	8/4/2025	10/2/2025	6/3/2025	8/4/2025	10/2/2025
Analyte	**VGES**									
Acetone	**950**	**5.0 J**	**5.6 J**	**6.6 J**	**2.0 J**	**3.6 J**	**5.1 J**	**3.1 J**	**3.9 J**	**2.2**
Acrylonitrile	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
tert-Amyl Methyl Ether (TAME)	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Benzene	**5**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
Bromobenzene	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
Bromochloromethane	**8**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
Bromodichloromethane	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Bromoform	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
Bromomethane	**5**	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
2-Butanone (MEK)	--	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20
tert-Butyl Alcohol (TBA)	--	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20
n-Butylbenzene	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
sec-Butylbenzene	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
tert-Butylbenzene	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
tert-Butyl Ethyl Ether (TBEE)	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Carbon Disulfide	--	ND<5.0	**2.9 J**	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
Carbon Tetrachloride	**5**	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
Chlorobenzene	**100**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
Chlorodibromomethane	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Chloroethane	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
Chloroform	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	**2.1**	**3.2**
Chloromethane	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
2-Chlorotoluene	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
4-Chlorotoluene	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
1,2-Dibromo-3-chloropropane (DBCP)	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
1,2-Dibromoethane (EDB)	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Dibromomethane	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
1,2-Dichlorobenzene	**600**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
1,3-Dichlorobenzene	**600**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
1,4-Dichlorobenzene	**75**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
trans-1,4-Dichloro-2-butene	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
Dichlorodifluoromethane (Freon 12)	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
1,1-Dichloroethane	**70**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
1,2-Dichloroethane	**5**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
1,1-Dichloroethylene	**7**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
cis-1,2-Dichloroethylene	**70**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
trans-1,2-Dichloroethylene	**100**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
1,2-Dichloropropane	**5**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
1,3-Dichloropropane	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
2,2-Dichloropropane	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
1,1-Dichloropropene	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
cis-1,3-Dichloropropene	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
trans-1,3-Dichloropropene	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Diethyl Ether	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
Diisopropyl Ether (DIPE)	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
1,4-Dioxane	**0.3**	*ND<14*	*ND<14*	*ND<14*	*ND<14*	*ND<14*	*ND<14*	*ND<14*	*ND<14*	*ND<14*
Ethylbenzene	**700**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
Hexachlorobutadiene	--	ND<0.60	ND<0.60	ND<0.60	ND<0.60	ND<0.60	ND<0.60	ND<0.60	ND<0.60	ND<0.60
2-Hexanone (MBK)	--	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10
Isopropylbenzene (Cumene)	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
p-Isopropyltoluene (p-Cymene)	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
Methyl Acetate	--	ND<1.0	ND<2.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<1.0	ND<2.0	ND<2.0
Methyl tert-Butyl Ether (MTBE)	**11**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
Methyl Cyclohexane	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
Methylene Chloride	**5**	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
4-Methyl-2-pentanone (MIBK)	--	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10
Naphthalene	**0.5**	*ND<0.21*	*ND<0.21*	*ND<0.21*	*ND<0.21*	*ND<0.21*	*ND<0.21*	*ND<0.21*	*ND<0.21*	*ND<0.21*
n-Propylbenzene	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
Styrene	**100**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
1,1,1,2-Tetrachloroethane	**70**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
1,1,2,2-Tetrachloroethane	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Tetrachloroethylene	**5**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
Tetrahydrofuran	--	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10
Toluene	**1000**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
1,2,3-Trichlorobenzene	**0.9**	*ND<0.21*	*ND<0.21*	*ND<0.21*	*ND<0.21*	*ND<0.21*	*ND<0.21*	*ND<0.21*	*ND<0.21*	*ND<0.21*
1,2,4-Trichlorobenzene	**70**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
1,3,5-Trichlorobenzene	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
1,1,1-Trichloroethane	**200**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
1,1,2-Trichloroethane	**5**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
Trichloroethylene	**5**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
Trichlorofluoromethane (Freon 11)	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
1,2,3-Trichloropropane	**0.02**	*ND<0.23*	*ND<0.23*	*ND<0.23*	*ND<0.23*	*ND<0.23*	*ND<0.23*	*ND<0.23*	*ND<0.23*	*ND<0.23*
1,1,2,-Trichloro-1,2,2-trifluorothane (Freon 113)	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
Total Trimethylbenzenes	**23**	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
Vinyl Chloride	**2**	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
Xylenes (total)	**10000**	ND<3.0	ND<3.0	ND<3.0	ND<3.0	ND<3.0	ND<3.0	ND<3.0	ND<3.0	ND<3.0

Notes:

VOCs - volatile organic compounds

Samples analyzed via EPA Method 8260D by Pace Analytical

VGES - Vermont Groundwater Enforcement Standard

All values are in micrograms per liter (µg/L)

ND< - not detected at or above stated reporting limit (RL)

ND< - not detected at or above method detection limit (MDL) instead of RL, as RL exceeds VGES.

J - detected above MDL but below RL, and therefore estimated.

RPD - relative percent difference between parent and duplicate sample. Not calculated for ND results.

Exhibit S

TABLE 4b.
SVOC Concentrations in Groundwater

Morrissey Residence
1006 Jerusalem Drive, Bristol VT

	Sample ID:	MW-4		MW-5		MW-7		MW-8	
	Sample Date:	6/3/2025	8/4/2025	6/3/2025	8/4/2025	6/3/2025	8/4/2025	6/3/2025	8/4/2025
Analyte	**VGES**								
Acenaphthene	--	ND<4.8	ND<3.9	ND<4.8	ND<4.7	ND<4.9	ND<3.9	ND<4.8	ND<3.9
Acenaphthylene	--	ND<4.8	ND<3.9	ND<4.8	ND<4.7	ND<4.9	ND<3.9	ND<4.8	ND<3.9
Acetophenone	--	ND<9.6	ND<7.9	ND<9.7	ND<9.4	ND<9.8	ND<7.8	ND<9.6	ND<7.8
Aniline	--	ND<19	ND<16	ND<19	ND<19	ND<20	ND<16	ND<19	ND<16
Anthracene	343	ND<4.8	ND<3.9	ND<4.8	ND<4.7	ND<4.9	ND<3.9	ND<4.8	ND<3.9
Benzidine	--	ND<19	ND<16	ND<19	ND<19	ND<20	ND<16	ND<19	ND<16
Benzo(a)anthracene	--	ND<4.8	ND<3.9	ND<4.8	ND<4.7	ND<4.9	ND<3.9	ND<4.8	ND<3.9
Benzo(a)pyrene	0.2	*ND<0.70*	*ND<0.57*	*ND<0.70*	*ND<068*	*ND<0.71*	*ND<0.56*	*ND<0.70*	*ND<0.57*
Benzo(b)fluoranthene	--	ND<4.8	ND<3.9	ND<4.8	ND<4.7	ND<4.9	ND<3.9	ND<4.8	ND<3.9
Benzo(g,h,i)perylene	--	ND<4.8	ND<3.9	ND<4.8	ND<4.7	ND<4.9	ND<3.9	ND<4.8	ND<3.9
Benzo(k)fluoranthene	--	ND<4.8	ND<3.9	ND<4.8	ND<4.7	ND<4.9	ND<3.9	ND<4.8	ND<3.9
Benzoic Acid	--	ND<19	ND<16	ND<19	ND<19	ND<20	ND<16	ND<19	ND<16
Bis(2-chloroethoxy)methane	--	ND<9.6	ND<7.9	ND<9.7	ND<9.4	ND<9.8	ND<7.8	ND<9.6	ND<7.8
Bis(2-chloroethyl)ether	46	ND<9.6	ND<7.9	ND<9.7	ND<9.4	ND<9.8	ND<7.8	ND<9.6	ND<7.8
2,2'-oxybis(1-Chloropropane)	--	ND<9.6	ND<7.9	ND<9.7	ND<9.4	ND<9.8	ND<7.8	ND<9.6	ND<7.8
Bis(2-Ethylhexyl)phthalate	--	ND<9.6	ND<7.9	ND<9.7	ND<9.4	ND<9.8	ND<7.8	ND<9.6	ND<7.8
4-Bromophenylphenylether	--	ND<9.6	ND<7.9	ND<9.7	ND<9.4	ND<9.8	ND<7.8	ND<9.6	ND<7.8
Butylbenzylphthalate	--	ND<9.6	ND<7.9	ND<9.7	ND<9.4	ND<9.8	ND<7.8	ND<9.6	ND<7.8
Carbazole	--	ND<9.6	ND<7.9	ND<9.7	ND<9.4	ND<9.8	ND<7.8	ND<9.6	ND<7.8
4-Chloroaniline	--	ND<9.6	ND<7.9	ND<9.7	ND<9.4	ND<9.8	ND<7.8	ND<9.6	ND<7.8
4-Chloro-3-methylphenol	--	ND<9.6	ND<7.9	ND<9.7	ND<9.4	ND<9.8	ND<7.8	ND<9.6	ND<7.8
2-Chloronaphthalene	--	ND<9.6	ND<7.9	ND<9.7	ND<9.4	ND<9.8	ND<7.8	ND<9.6	ND<7.8
2-Chlorophenol	--	ND<9.6	ND<7.9	ND<9.7	ND<9.4	ND<9.8	ND<7.8	ND<9.6	ND<7.8
4-Chlorophenylphenylether	--	ND<9.6	ND<7.9	ND<9.7	ND<9.4	ND<9.8	ND<7.8	ND<9.6	ND<7.8
Chrysene	--	ND<4.8	ND<3.9	ND<4.8	ND<4.7	ND<4.9	ND<3.9	ND<4.8	ND<3.9
Dibenz(a,h)anthracene	--	ND<4.8	ND<3.9	ND<4.8	ND<4.7	ND<4.9	ND<3.9	ND<4.8	ND<3.9
Dibenzofuran	--	ND<4.8	ND<3.9	ND<4.8	ND<4.7	ND<4.9	ND<3.9	ND<4.8	ND<3.9
Di-n-butylphthalate	--	ND<9.6	ND<7.9	ND<9.7	ND<9.4	ND<9.8	ND<7.8	ND<9.6	ND<7.8
1,2-Dichlorobenzene	600	ND<4.8	ND<3.9	ND<4.8	ND<4.7	ND<4.9	ND<3.9	ND<4.8	ND<3.9
1,3-Dichlorobenzene	600	ND<4.8	ND<3.9	ND<4.8	ND<4.7	ND<4.9	ND<3.9	ND<4.8	ND<3.9
1,4-Dichlorobenzene	75	ND<4.8	ND<3.9	ND<4.8	ND<4.7	ND<4.9	ND<3.9	ND<4.8	ND<3.9
3,3-Dichlorobenzidine	--	ND<9.6	ND<7.9	ND<9.7	ND<9.4	ND<9.8	ND<7.8	ND<9.6	ND<7.8
2,4-Dichlorophenol	--	ND<9.6	ND<7.9	ND<9.7	ND<9.4	ND<9.8	ND<7.8	ND<9.6	ND<7.8
Diethylphthalate	--	ND<9.6	ND<7.9	ND<9.7	ND<9.4	ND<9.8	ND<7.8	ND<9.6	ND<7.8
2,4-Dimethylphenol	--	ND<9.6	ND<7.9	ND<9.7	ND<9.4	ND<9.8	ND<7.8	ND<9.6	ND<7.8
Dimethylphthalate	--	ND<9.6	ND<7.9	ND<9.7	ND<9.4	ND<9.8	ND<7.8	ND<9.6	ND<7.8
4,6-Dinitro-2-methylphenol	--	ND<19	ND<16	ND<19	ND<19	ND<20	ND<16	ND<19	ND<16
2,4-Dinitrophenol	--	ND<19	ND<16	ND<19	ND<19	ND<20	ND<16	ND<19	ND<16
2,4-Dinitrotoluene	--	ND<9.6	ND<7.9	ND<9.7	ND<9.4	ND<9.8	ND<7.8	ND<9.6	ND<7.8
2,6-Dinitrotoluene	--	ND<9.6	ND<7.9	ND<9.7	ND<9.4	ND<9.8	ND<7.8	ND<9.6	ND<7.8
Di-n-octylphthalate	--	ND<9.6	ND<7.9	ND<9.7	ND<9.4	ND<9.8	ND<7.8	ND<9.6	ND<7.8
1,2-Diphenylhydrazine/Azobenzene	--	ND<9.6	ND<7.9	ND<9.7	ND<9.4	ND<9.8	ND<7.8	ND<9.6	ND<7.8
Fluoranthene	46	ND<4.8	ND<3.9	ND<4.8	ND<4.7	ND<4.9	ND<3.9	ND<4.8	ND<3.9
Fluorene	46	ND<4.8	ND<3.9	ND<4.8	ND<4.7	ND<4.9	ND<3.9	ND<4.8	ND<3.9
Hexachlorobenzene	1	*ND<0.72*	*ND<0.59*	*ND<0.73*	*ND<0.71*	*ND<0.74*	*ND<0.59*	*ND<0.73*	*ND<0.59*
Hexachlorobutadiene	--	ND<9.6	ND<7.9	ND<9.7	ND<9.4	ND<9.8	ND<7.8	ND<9.6	ND<7.8
Hexachlorocyclopentadiene	50	ND<9.6	ND<7.9	ND<9.7	ND<9.4	ND<9.8	ND<7.8	ND<9.6	ND<7.8
Hexachloroethane	--	ND<9.6	ND<7.9	ND<9.7	ND<9.4	ND<9.8	ND<7.8	ND<9.6	ND<7.8
Indeno(1,2,3-cd)pyrene	--	ND<4.8	ND<3.9	ND<4.8	ND<4.7	ND<4.9	ND<3.9	ND<4.8	ND<3.9
Isophorone	--	ND<9.6	ND<7.9	ND<9.7	ND<9.4	ND<9.8	ND<7.8	ND<9.6	ND<7.8
1-Methylnaphthalene	--	ND<4.8	ND<3.9	ND<4.8	ND<4.7	ND<4.9	ND<3.9	ND<4.8	ND<3.9
2-Methylnaphthalene	--	ND<4.8	ND<3.9	ND<4.8	ND<4.7	ND<4.9	ND<3.9	ND<4.8	ND<3.9
2-Methylphenol	--	ND<9.6	ND<7.9	ND<9.7	ND<9.4	ND<9.8	ND<7.8	ND<9.6	ND<7.8
3/4-Methylphenol	--	ND<9.6	ND<7.9	ND<9.7	ND<9.4	ND<9.8	ND<7.8	ND<9.6	ND<7.8
Naphthalene	0.5	*ND<0.90*	*ND<0.74*	*ND<0.91*	*ND<0.88*	*ND<0.92*	*ND<0.73*	*ND<0.90*	*ND<0.73*
2-Nitroaniline	--	ND<9.6	ND<7.9	ND<9.7	ND<9.4	ND<9.8	ND<7.8	ND<9.6	ND<7.8
3-Nitroaniline	--	ND<9.6	ND<7.9	ND<9.7	ND<9.4	ND<9.8	ND<7.8	ND<9.6	ND<7.8
4-Nitroaniline	--	ND<9.6	ND<7.9	ND<9.7	ND<9.4	ND<9.8	ND<7.8	ND<9.6	ND<7.8
Nitrobenzene	--	ND<9.6	ND<7.9	ND<9.7	ND<9.4	ND<9.8	ND<7.8	ND<9.6	ND<7.8
2-Nitrophenol	--	ND<9.6	ND<7.9	ND<9.7	ND<9.4	ND<9.8	ND<7.8	ND<9.6	ND<7.8
4-Nitrophenol	--	ND<9.6	ND<7.9	ND<9.7	ND<9.4	ND<9.8	ND<7.8	ND<9.6	ND<7.8
N-Nitrosodimethylamine	--	ND<9.6	ND<7.9	ND<9.7	ND<9.4	ND<9.8	ND<7.8	ND<9.6	ND<7.8
N-Nitrosodiphenylamine/Diphenylamine	--	ND<9.6	ND<7.9	ND<9.7	ND<9.4	ND<9.8	ND<7.8	ND<9.6	ND<7.8
N-Nitrosodi-n-propylamine	--	ND<9.6	ND<7.9	ND<9.7	ND<9.4	ND<9.8	ND<7.8	ND<9.6	ND<7.8
Pentachloronitrobenzene	--	ND<9.6	ND<7.9	ND<9.7	ND<9.4	ND<9.8	ND<7.8	ND<9.6	ND<7.8
Pentachlorophenol	1	*ND<3.3*	*ND<2.7*	*ND<3.3*	*ND<3.2*	*ND<3.4*	*ND<2.7*	*ND<3.3*	*ND<2.7*
Phenanthrene	--	ND<4.8	ND<3.9	ND<4.8	ND<4.7	ND<4.9	ND<3.9	ND<4.8	ND<3.9
Phenol	--	ND<9.6	ND<7.9	ND<9.7	ND<9.4	ND<9.8	ND<7.8	ND<9.6	ND<7.8
Pyrene	--	ND<4.8	ND<3.9	ND<4.8	ND<4.7	ND<4.9	ND<3.9	ND<4.8	ND<3.9
Pyridine	--	ND<19	ND<16	ND<19	ND<19	ND<20	ND<16	ND<19	ND<16
1,2,4,5-Tetrachlorobenzene	--	ND<9.6	ND<7.9	ND<9.7	ND<9.4	ND<9.8	ND<7.8	ND<9.6	ND<7.8
1,2,4-Trichlorobenzene	70	ND<4.8	ND<3.9	ND<4.8	ND<4.7	ND<4.9	ND<3.9	ND<4.8	ND<3.9
2,4,5-Trichlorophenol	--	ND<9.6	ND<7.9	ND<9.7	ND<9.4	ND<9.8	ND<7.8	ND<9.6	ND<7.8
2,4,6-Trichlorophenol	--	ND<9.6	ND<7.9	ND<9.7	ND<9.4	ND<9.8	ND<7.8	ND<9.6	ND<7.8

Notes:

SVOCs - semi-volatile organic compounds

Samples analyzed via EPA Method 8270 by Pace Analytical

VGES - Vermont Groundwater Enforcement Standard (2019)

All values are in micrograms per liter (µg/L)

ND< - not detected at or above stated reporting limit (RL).

ND< - not detected at or above method detection limit (MDL) instead of RL, as RL exceeds VGES.

Exhibit S

APPENDIX A

FIELD NOTES AND BORING LOGS

12/16/24 Bristol POET install 2805107274
0900 AP onsite 34° overcast

Exhibit S4

Culligan (Paul) onsite to install POET
- concrete bulk head for shallow dug well (~60 sf) gravel

Next door neighbor had diesel ASTs less than 100 sf from well, not permitted

house is 1964, well likely same age

furnace - fuel oil - AST
propane, heat pump, fire place

owners are Chris + Samantha Morrissey, have lived here a few years w/ their 2yr old son + dogs
- Chris said his skin felt itchy before they noticed the petro smell mid November
- neighbor works on big trucks etc in garage or outside
- in spring, overland flow is directly from neighbor towards the well
- neighbor recently dug a large, deep pond and since then, well has not been full

could not get cover off well, concrete lid is currently frozen; took lots of photos

pg 1 of 3 →

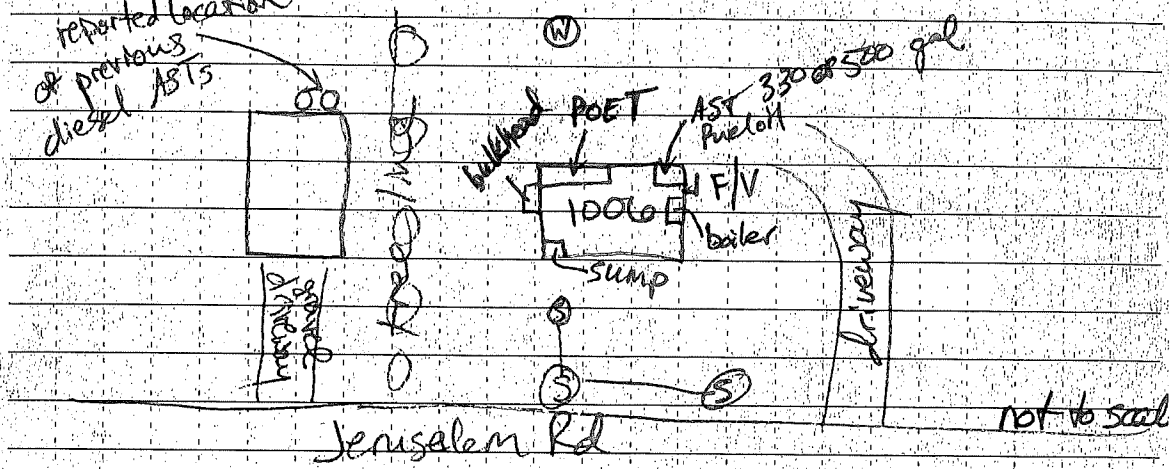
Scale: 1 square = _____

12/16/24 Bristol cont. Exhibit Sc pg 2 of 3

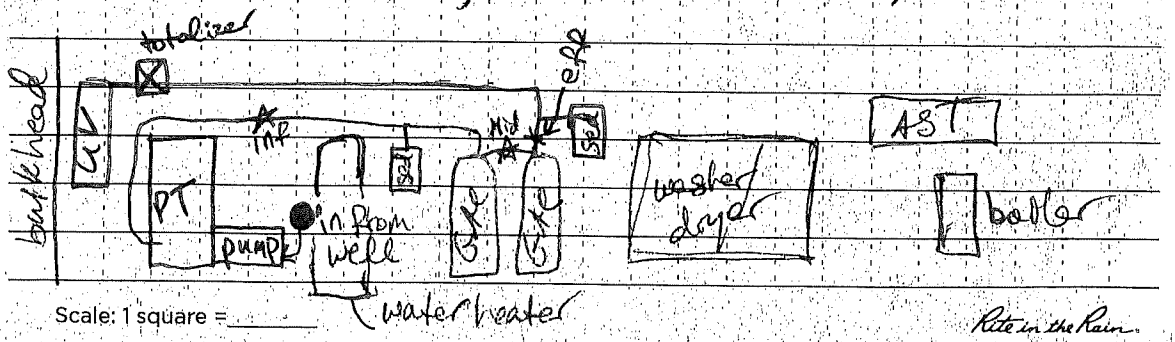
- PID screened around well (couldn't get into it), fill/vent ports for AST, around AST in basement + boiler, sump. All O.D.

- no visible stains or signs of leaks around AST or fill port

- Chris warned that neighbor is not friendly
  - dogs also not friendly
  - can enter basement via bulkhead



POET consists of 2 GAC tanks, UV (existing), 2 sed filters; copper lines from pump to PT to PEX, remainder is all PEX



Rite in the Rain

12/16/24 cont. Bristol POET

Exhibit S

- Culligan activated + flushed system - flushed through bathtub to get seal from de-pressurized pipes out

- talked to Chris about flushing all taps, remove + clean aerators, will get confirmatory samples today. Can soak aerators in vinegar.

Conf. samples -

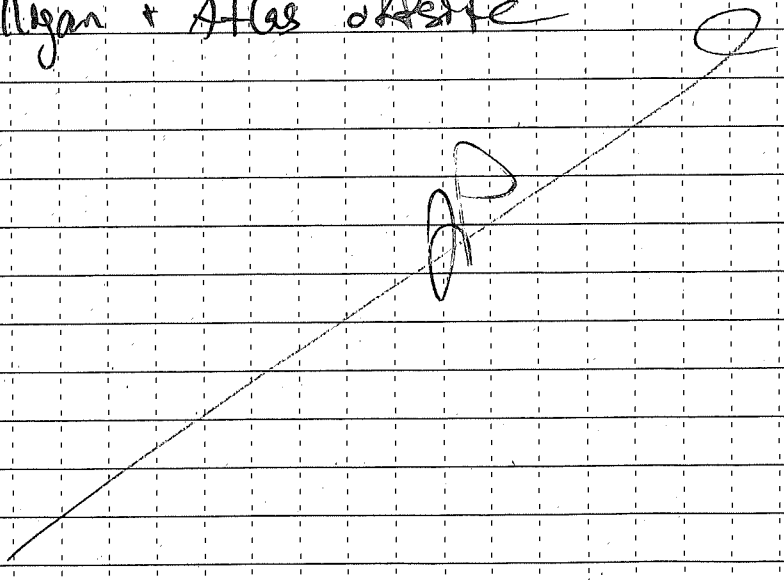
ERP @ 1200

Inf @ 1230

for 524.2 full VOC list

included trip blank

1240 Culligan + Atlas offsite



Scale: 1 square = _____

Exhibit S
2SDEM01274

1/10/25 Bristol Morrissey Rds.
0915 AP onsite, owners Sam + Chris home
Noelle Stark onsite
15° sunny

- Flush kitchen sink 10 mins, aerator removed
- screen basement, sump - all 0.0 ppmv
- Sample Inf. from port, mid from port, eff from kitchen sink

sump @ 0930 (grab sample) 8216

Kitchen sink @ 0940 524.2

mid @ 0945

inf @ 0950

couldn't get well cover open (frozen

Totalizer - 24954 gal

PID jarhead test of influent - 23.9 ppmv

1015 offsite

Scale: 1 square = _____

Rite in the Rain

2/17/25 1006 Jerusalem Rd., Bristol Exhibit S ABOA01294
Dom Delello
Weather: Mostly Cloudy, 19°F @ DD @ 13:50
Task: POET sampling

13:50 DD onsite
- purging from kitchen and bathroom sinks.

13:55 PID screened basement and sump. Both had reading of 0.0ppmv. Headspace of influent water taken in a jar w/ plastic bag over the top. Headspace = 1.0ppmv Slight PET odor.

14:10 Began Sampling. @ DD
- Effluent @ ~~14:10~~ 14:12
- Mid @ 14:14
- Inf. @ 14:16
- Duplicate taken @ Inf. (14:16)
- Samples to be submitted for 524.2

14:30 DD could not gain access to well due to snow cover and frozen cap. Will attempt again in spring.

14:45 DD offsite.

Scale: 1 square = _____

Rite in the Rain.

Exhibit S

3/17/25 Morrissey POET 280EM012294
0915 @ onsite, Sam & Chris home
weather - 45-50°, rain; lots of snowmelt

- flush kitchen sink

Effluent @ 0925

DUP @ 0001

Mid @ 0930

Influent @ 0932

all for 524.2 VOCs, include TB
- Pace courier

- basement pretty wet, sump pump running constantly
- Chris had opened well cover
- WL = 1.5' Below bottom concrete lip; DTB = NM, get next time (wrong tool)
  - no PID hits, no sheen, just very high water table
- overland flow visible from neighbors directly pooling near onsite well (photos)
- took bailer sample from well
  well @ 0954

1005 offsite

Scale: 1 square = _____

4/11/25 Morrissey Residence 29EB0011294
Exhibit S
Staff: Dom Delello
Weather: Cloudy, 40's
Task: PDET Sampling

09:10 DD onsite
- PID calibrated (isobutylene, 100 ppmv)
- purging water from kitchen sink

09:13 PID in basement air is 0.2 ppmv.
Sump is dry, PID still 0.2 ppmv.

09:20 Sampled Effluent

09:23 Sampled Mid.

09:26 Sampled Influent (Duplicate here)
0.0 ppmv on influent headspace. Took headspace in a jar covered by ziploc bag.
- Influent port is right next to hot water heater.
- No noticeable odors in basement.
- No odors/sheen on influent water

- All samples going to Pace Labs for 524.2 (VOCs in DW).

09:40 DD offsite

Scale: 1 square = _____

1 of 1

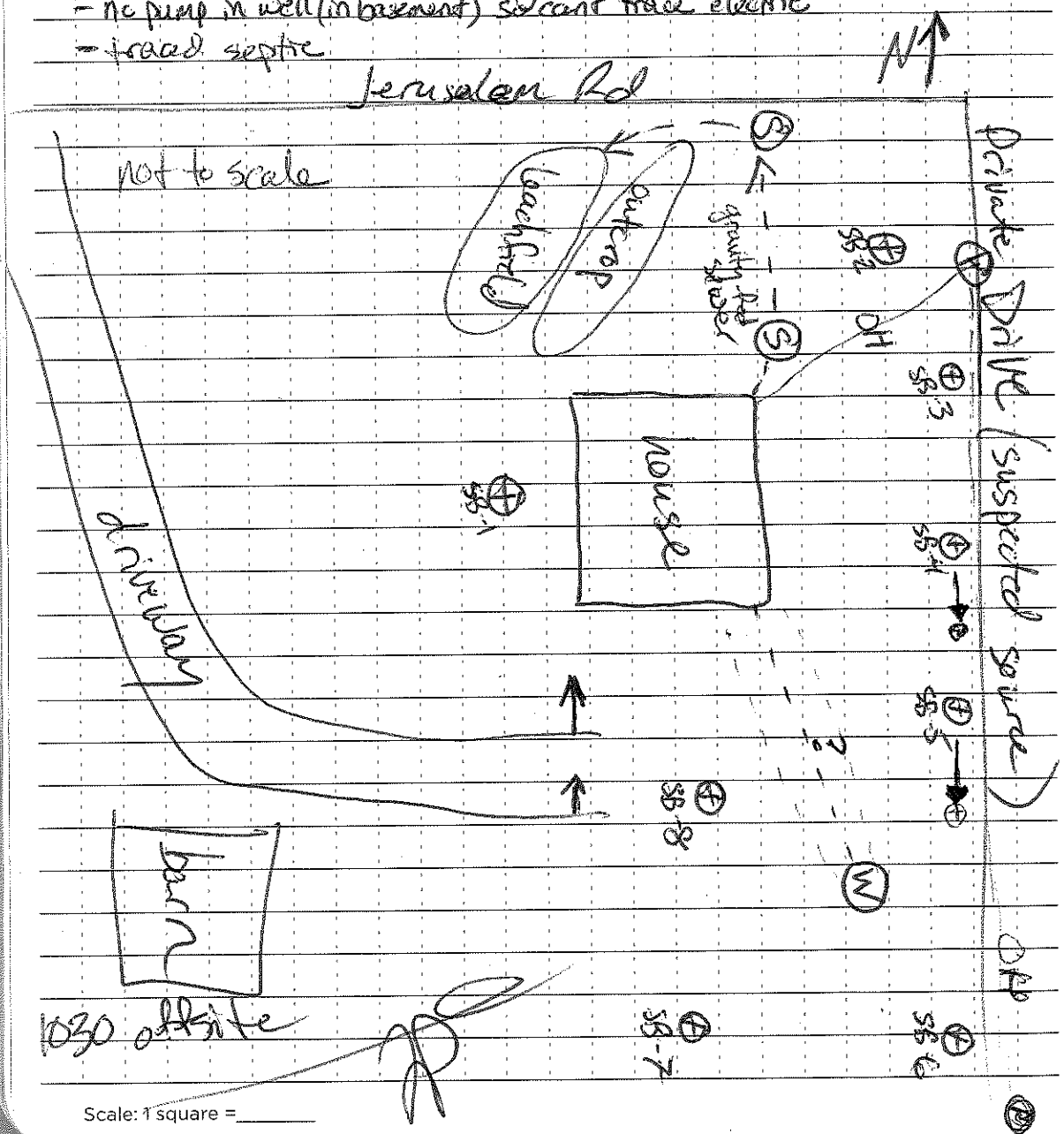
Exhibit 5

4/29/25 Morrissey SI - PUL 2025-01330

0900 @ onsite to meet Buxton Locating (Jon)

65° & sunny / personal vehicle

- Mark out Dig Safe along road
- PUL cut & boring locations
  - no pump in well (in basement) so can't trace electric
  - traced septic



Scale: 1 square = _____

Exhibit S

5/5/25 Morrissey Residence SI 180EM01330
0830 JP onsite w/ Cascade (Chris & Tim)
55° cloudy cal'd PID to Isobutylene

Task - Install 8 soil borings, sample each, complete 4 as MW's (2" diameter)

SB-1 on west side of house; hit refusal at 4 feet, no water table. No sample.

SB-2 Northern most boring on east side of house.
SB-2 - 10 ft @ 0945 (WT)

SB-3 working south along east property line
SB-3 - 10 ft @ 1005 (WT)

SB-4 MW-4 between neighbor garage & Morrissey house along property line; no PID, no refusal
SB-4 - 11 ft @ 1042 (WT)
Screen 13-3' flush mount

SB-5 MW-5 directly between neighbor garage and well - sampled discolored soil
SB-5 - 12.5 ft @ 1108 (color change)
Installed well, very tight, could only advance larger casing to 13'
screen 13-3', bentonite to 1', flush mount

* Opened well - 16.2 ft DTB from top of well.
3.4 ft DTW from TOP. Well is 1.8' tall so
DTB = 14.4 ft bgs DTW = 1.6 ft bgs

pg 1 of 2

Scale: 1 square = _____

Rite in the Rain

Exhibit S

5/5/25 Morrissey cont. pg 2

SB-6 - SE corner of property, No PID, no refusal.
SB-6-10ft @ 1240 (WT)

SB-7 MW-7 SW corner of yard, likely downgradient of supply well, no PID hits, refusal @ 11ft
SB-7-10ft @ 1330 (WT)

Screen = 11.5-1.5', flush mount

SB-8 MW-8 between SW corner of house + well (had to move slightly west to avoid water line)
SB-8-10ft @ 1420 (WT) (no PID hits)

Screen = 13-3', flush mount

Cascade completed all borings and wells (MW-4, -5, -7, -8) flush mounts w/ concrete collars

- JP to return tomorrow to develop wells once concrete is set

1530 offsite

Scale: 1 square = _____

Exhibit S

5/6/25 Morrissey Residence SI 2SOEM01330
JP onsite earlier for POET samples
rained overnight
0940 weather 60° cloudy 1020 some rain

develop 4 new MWs - -4, -5, -7, -8

MW-8 DTW = 1.30' DTB = 12.53' btoc
purged ~ 5 gals until clear, mucky bottom at first
good recharge w/ pump on high speed

MW-7 DTW = 1.74' DTB = 11.06' btoc
purged ~ 2 gal; good recharge, clear from start,
no muck on bottom

MW-5 DTW = 2.35' DTB = 12.60' btoc
- some muck on bottom but cleared up quickly
- good recharge, purged ~ 5 gal.

MW-4 DTW = 1.14' DTB = 12.64' btoc
mucky bottom, took awhile to clear out but
it did clear up. Good recharge.

1115 offsite

AP

Scale: 1 square = _____

Exhibit S

ATLAS

51 KNIGHT LANE
WILLISTON, VERMONT 05495

(802) 862-1980
(737) 207-8272 - FAX

BORING / WELL IDENTIFICATION: SB-1

SITE NAME:	Morrissey Res.
SITE LOCATION:	Bristol VT
INSTALLATION DATE:	5/5/25
JOB NUMBER:	280EM01330

WELL DEPTH:	—	BORING DEPTH:	4 ft	ATLAS REPRESENTATIVE:	JP
DEPTH TO WATER (DURING DRILLING):		—		DRILLING COMPANY:	Cascade
SCREEN DIAMETER:	—	DEPTH:	—		
SCREEN TYPE/SIZE:	—			SAMPLING METHOD:	DP
RISER DIAMETER:	—	DEPTH:	—	REFERENCE POINT (RP):	ground
RISER TYPE/SIZE:	—			ELEVATION OF RP:	—
REMARKS:					

DEPTH (IN FEET)	RECOVERY (FT)	SAMPLE DESCRIPTION AND NOTES	STRATA CHANGE (FT)	PID (PPM)	WELL PROFILE	LEGEND
0	0-5' (4ft) 3' Rec.	0-1' OH, wet (lots of rain recently)		0.0		Concrete
1				0.0		Native
2		1-3' brown, dense, clayey fine sand and fine gravel; no mottling, wet from rain		0.0		Bentonite
3						Filter Sand
4						
5		hit refusal @ 4ft				Riser
6		no PID, no water table				Screen
7		no sample collected				
8						Water level
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

PROPORTIONS USED		BLOW COUNT (COHESIVE SOILS)		BLOW COUNT (GRANULAR SOILS)	
AND	33-50%	<2	VERY SOFT	0-4	VERY LOOSE
SOME	20-33%	2-4	SOFT	4-10	LOOSE
LITTLE	10-20%	4-8	MEDIUM STIFF	10-30	MEDIUM DENSE
TRACE	0-10%	8-15	STIFF	30-50	DENSE
		15-30	VERY STIFF	>50	VERY DENSE
		>30	HARD		

Notes:

PID used: IonScience Tiger #3

Exhibit S

ATLAS

51 KNIGHT LANE
WILLISTON, VERMONT 05495

(802) 862-1980
(737) 207-8272 - FAX

BORING / WELL IDENTIFICATION: SB-2

SITE NAME:	Morrissey Res.
SITE LOCATION:	Bristol VT
INSTALLATION DATE:	5/5/25
JOB NUMBER:	2506M01330
ATLAS REPRESENTATIVE:	JP
DRILLING COMPANY:	Cascade
SAMPLING METHOD:	DP
REFERENCE POINT (RP):	ground
ELEVATION OF RP:	—

WELL DEPTH:	—	BORING DEPTH:	15'
DEPTH TO WATER (DURING DRILLING):	9.5'		
SCREEN DIAMETER:	—	DEPTH:	—
SCREEN TYPE/SIZE:	—		
RISER DIAMETER:	—	DEPTH:	—
RISER TYPE/SIZE:	—		
REMARKS:			

DEPTH (IN FEET)	RECOVERY (FT)	SAMPLE DESCRIPTION AND NOTES	STRATA CHANGE (FT)	PID (PPM)	WELL PROFILE
0	0-5'	0-0.5' OH	0.0 →		
1	4' Rec.	0.5-2' brown/reddish brown, wet (lots of rain), silty f. sand, trace f. gravel	0.0 →		
2			0.0 →		
3			0.0 →		
4		2-4' greyish brown, moist (not sat.)	—	—	
5	5-10'	dense, silty f. sand, some f-c gravel		0.0	
6	4' Rec.			0.0	
7		0-4 - alternating ~6" layers SAA (silty f. sand) and 2-3" layers f-m sand and f-c gravel. Silty sand is wet,		0.0	
8				0.0	
9				—	
10	10-15'	gravely sand layers dry. Bottom 6" wet.		0.0	
11	5' Rec.	0-4.5' - brown, saturated, silty f. sand		0.0	
12		and c. sand and f. gravel.		0.0	
13		4.5-5' - brown, sat., c. sandy f. gravel		0.0	
14				0.0	
15		Sample SB-2-10ft @ 0945			
16					
17					
18					
19					
20					

LEGEND: Concrete, Native, Bentonite, Filter Sand, Riser, Screen, Water level

PROPORTIONS USED	
AND	33-50%
SOME	20-33%
LITTLE	10-20%
TRACE	0-10%

BLOW COUNT (COHESIVE SOILS)	
<2	VERY SOFT
2-4	SOFT
4-8	MEDIUM STIFF
8-15	STIFF
15-30	VERY STIFF
>30	HARD

BLOW COUNT (GRANULAR SOILS)	
0-4	VERY LOOSE
4-10	LOOSE
10-30	MEDIUM DENSE
30-50	DENSE
>50	VERY DENSE

Notes:

PID used: IonScience Tiger #3

Exhibit S

BORING / WELL IDENTIFICATION: SB-3

ATLAS
51 KNIGHT LANE
WILLISTON, VERMONT 05495
(802) 862-1980
(737) 207-8272 - FAX

SITE NAME:	Morrissey Res.
SITE LOCATION:	Bristol VT
INSTALLATION DATE:	5/5/25
JOB NUMBER:	2506MC1330

WELL DEPTH:	–	BORING DEPTH:	15'	ATLAS REPRESENTATIVE:	JP
DEPTH TO WATER (DURING DRILLING):	10'			DRILLING COMPANY:	Cascade
SCREEN DIAMETER:	–	DEPTH:	–		
SCREEN TYPE/SIZE:	–			SAMPLING METHOD:	DP
RISER DIAMETER:	–	DEPTH:	–	REFERENCE POINT (RP):	Ground
RISER TYPE/SIZE:	–			ELEVATION OF RP:	–
REMARKS:					

DEPTH (IN FEET)	RECOVERY (FT)	SAMPLE DESCRIPTION AND NOTES	STRATA CHANGE (FT)	PID (PPM)	WELL PROFILE
0	0-5'	0-2.5 OH, brown, some black,		0.0	
1	4' Rec.	silty OH, moist		0.0	
2		2.5-4' lt. brown, silty f. sand, moist		0.0	
3				0.0	
4				–	
5	5-10'	0-5' lt brown, moist, silty f. sand,		0.0	
6	5' Rec.	trace f. gravel / crushed rocks		0.0	
7				0.0	
8				0.0	
9				0.0	
10	10-15'	0-3' SAA, more reddish brown, wet		0.0	
11	5' Rec.	3-5' sandy f. gravel, saturated, brown		0.0	
12				0.0	
13				0.0	
14		sample SB-3-10ft @ 1005		0.0	
15					
16					
17					
18					
19					
20					

LEGEND: Concrete, Native, Bentonite, Filter Sand, Riser, Screen, Water level

PROPORTIONS USED	
AND	33-50%
SOME	20-33%
LITTLE	10-20%
TRACE	0-10%

BLOW COUNT (COHESIVE SOILS)	
<2	VERY SOFT
2-4	SOFT
4-8	MEDIUM STIFF
8-15	STIFF
15-30	VERY STIFF
>30	HARD

BLOW COUNT (GRANULAR SOILS)	
0-4	VERY LOOSE
4-10	LOOSE
10-30	MEDIUM DENSE
30-50	DENSE
>50	VERY DENSE

Notes:
PID used: IonScience Tiger #3

Exhibit S

ATLAS

51 KNIGHT LANE
WILLISTON, VERMONT 05495

(802) 862-1980
(737) 207-8272 - FAX

BORING / WELL IDENTIFICATION: SB-4/MW-4

SITE NAME:	Morrissey Ross.
SITE LOCATION:	Bristol VT
INSTALLATION DATE:	5/5/25
JOB NUMBER:	28EM01330

WELL DEPTH:	—	BORING DEPTH:	15'	ATLAS REPRESENTATIVE:	JP
DEPTH TO WATER (DURING DRILLING):	~11ft			DRILLING COMPANY:	Cascade
SCREEN DIAMETER:	2"	DEPTH:	13-3'		
SCREEN TYPE/SIZE:	0.010" slot			SAMPLING METHOD:	DP
RISER DIAMETER:	2"	DEPTH:	3-0'	REFERENCE POINT (RP):	ground
RISER TYPE/SIZE:	PVC sched 40			ELEVATION OF RP:	—
REMARKS:					

DEPTH (IN FEET)	RECOVERY (FT)	SAMPLE DESCRIPTION AND NOTES	STRATA CHANGE (FT)	PID (PPM)	WELL PROFILE
0	0-5'	0.0.5 OH silty		0.0	Sand 13-2' bent. 2-1' flush mount
1	4' Rec.	0.5-2' brown, wet (rain) silty f. sand		0.0	
2		some clay, dense		0.0	
3		2-4' brown, wet/moist, silty f. sand, dense		0.0	
4		trace f. gravel/crushed rocks		—	
5	5-10'	0-4'- SAA, reddish sand at 0.5'		0.0	
6	4' Rec.	moist, more rocks, some m-c sand		0.0	
7		- sandier towards bottom		0.0	
8				0.0	
9				—	
10 ▽	10-15'	0-1 SAA, saturated.		0.0	
11	5.5 Rec.	1-3 coarsening downhole to m-c		0.0	
12		sand and f. gravel		0.0	
13		dense		0.0	
14				—	
15		Sample SB-4-11ft @ 1042			
16					
17					
18					
19					
20					

LEGEND: Concrete, Native, Bentonite, Filter Sand, Riser, Screen, Water level

PROPORTIONS USED		BLOW COUNT (COHESIVE SOILS)		BLOW COUNT (GRANULAR SOILS)	
AND	33-50%	<2	VERY SOFT	0-4	VERY LOOSE
SOME	20-33%	2-4	SOFT	4-10	LOOSE
LITTLE	10-20%	4-8	MEDIUM STIFF	10-30	MEDIUM DENSE
TRACE	0-10%	8-15	STIFF	30-50	DENSE
		15-30	VERY STIFF	>50	VERY DENSE
		>30	HARD		

Notes:
PID used: IonScience Tiger #3

Exhibit S

ATLAS

51 KNIGHT LANE
WILLISTON, VERMONT 05495
(802) 862-1980
(737) 207-8272 - FAX

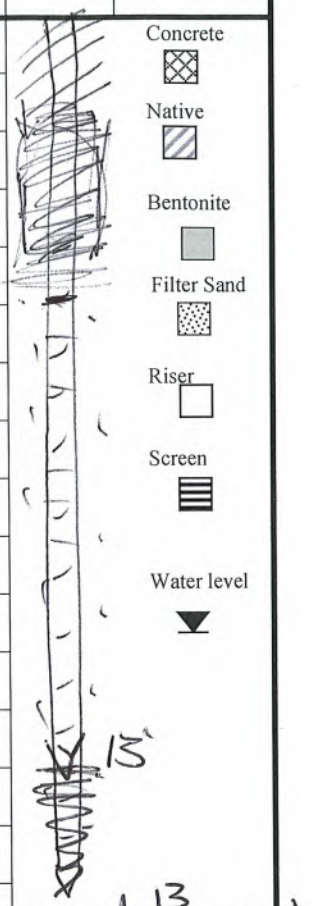
BORING / WELL IDENTIFICATION: SB-5/MW-5

SITE NAME:	Morrissey
SITE LOCATION:	Bristol VT
INSTALLATION DATE:	5/5/25
JOB NUMBER:	280EM01330

WELL DEPTH:	~~15~~ 13'	BORING DEPTH:	~~15~~ 13	ATLAS REPRESENTATIVE:	JP
DEPTH TO WATER (DURING DRILLING):	~10?			DRILLING COMPANY:	Cascade
SCREEN DIAMETER:	2"	DEPTH:	~~13-15~~ 3'		
SCREEN TYPE/SIZE:	0.010" slot			SAMPLING METHOD:	DP
RISER DIAMETER:	2"	DEPTH:	3.5-0'	REFERENCE POINT (RP):	ground
RISER TYPE/SIZE:	PVC sched. 40			ELEVATION OF RP:	
REMARKS:					

DEPTH (IN FEET)	RECOVERY (FT)	SAMPLE DESCRIPTION AND NOTES	STRATA CHANGE (FT)	PID (PPM)
0	0-5'	0-0.5' dark brown, wet OH		0.0
1	4' Rec.	0.5-1' reddish brown, wet silty f. sand		0.0
2		1-4' greyish brown, dry, f. Sand and		0.0
3		f. gravel/crushed rocks, dense		0.0
4				
5	5-10'	0-1' brown, SAA, wet		0.0
6	5' Rec.	1-2' wet, silter		0.0
7		2-3' lt. brown, wet, f sand		0.0
8		3-5' SAA, wet, lt. brown, silty f. sand		0.0
9		and f. gravel/crushed rock		0.0
10	10-15'	0-5' SAA, saturated, not as dense		0.0
11	5' Rec.	reddish color @ 2.5'		0.0
12		no refusal		0.0
13				0.0
14		Sample at discoloration since it		00
15		was pretty wet all the way and no PID		
16				
17		SB-5-12.5ft @ 1108		
18				
19				
20				

? ▽



PROPORTIONS USED		BLOW COUNT (COHESIVE SOILS)		BLOW COUNT (GRANULAR SOILS)	
AND	33-50%	<2	VERY SOFT	0-4	VERY LOOSE
SOME	20-33%	2-4	SOFT	4-10	LOOSE
LITTLE	10-20%	4-8	MEDIUM STIFF	10-30	MEDIUM DENSE
TRACE	0-10%	8-15	STIFF	30-50	DENSE
		15-30	VERY STIFF	>50	VERY DENSE
		>30	HARD		

Notes:
PID used: IonScience Tiger #3

Exhibit S

ATLAS

51 KNIGHT LANE
WILLISTON, VERMONT 05495

(802) 862-1980
(737) 207-8272 - FAX

BORING / WELL IDENTIFICATION: SB-6

SITE NAME:	Morrissey Res.
SITE LOCATION:	Bristol VT
INSTALLATION DATE:	5/5/2025
JOB NUMBER:	2506M01330
ATLAS REPRESENTATIVE:	AP
DRILLING COMPANY:	Cascade
SAMPLING METHOD:	DP
REFERENCE POINT (RP):	ground
ELEVATION OF RP:	—

WELL DEPTH:	—	BORING DEPTH:	~~8 ft~~ 10 ft
DEPTH TO WATER (DURING DRILLING):			
SCREEN DIAMETER:	—	DEPTH:	—
SCREEN TYPE/SIZE:	—		
RISER DIAMETER:	—	DEPTH:	—
RISER TYPE/SIZE:	—		
REMARKS:			

DEPTH (IN FEET)	RECOVERY (FT)	SAMPLE DESCRIPTION AND NOTES	STRATA CHANGE (FT)	PID (PPM)	WELL PROFILE
0	0-5'	0-0.5' dark brown, wet OH		0.0	
1	4' Rec.	0.5-4' lt. brown, wet at top then moist, silty f. Sand, some f. gravel,		0.0	
2				0.0	
3		more f+c gravel at bottom / crushed rock		0.0	
4				—	
5	5-10'	0-5' SAA; some f+c gravel/crushed rock		0.0	
6	5' Rec.	pretty sat./wet @ ~3' but then moist at 4-5'; dense		0.0	
7		(hard to tell where wet from rain stops		0.0	
8		and actual WT begins)		0.0	
9				0.0	
10	10-15'	0-5'4' - very. dense, lt. brown,		0.0	
11	4' Rec.	saturated, silty f. Sand and		0.0	
12		f. gravel; many crushed rocks		0.0	
13				0.0	
14		Sample at definitive WT		—	
15					
16		SB-6 - 10 ft @ 1240			
17					
18					
19					
20					

LEGEND: Concrete; Native; Bentonite; Filter Sand; Riser; Screen; Water level

PROPORTIONS USED		BLOW COUNT (COHESIVE SOILS)		BLOW COUNT (GRANULAR SOILS)	
AND	33-50%	<2	VERY SOFT	0-4	VERY LOOSE
SOME	20-33%	2-4	SOFT	4-10	LOOSE
LITTLE	10-20%	4-8	MEDIUM STIFF	10-30	MEDIUM DENSE
TRACE	0-10%	8-15	STIFF	30-50	DENSE
		15-30	VERY STIFF	>50	VERY DENSE
		>30	HARD		

Notes:

PID used: IonScience Tiger #3

Exhibit S

ATLAS

51 KNIGHT LANE
WILLISTON, VERMONT 05495
(802) 862-1980
(737) 207-8272 - FAX

BORING / WELL IDENTIFICATION: SB-7 | MW-7

SITE NAME:	Morrissey Res.
SITE LOCATION:	Bristol VT
INSTALLATION DATE:	5/5/25
JOB NUMBER:	280 EM01330

WELL DEPTH:	11.5'	BORING DEPTH:	11ft	ATLAS REPRESENTATIVE:	JP
DEPTH TO WATER (DURING DRILLING):	~10'			DRILLING COMPANY:	Cascade
SCREEN DIAMETER:	2"	DEPTH:	11.5 - 1.5'		
SCREEN TYPE/SIZE:	0.010" slot			SAMPLING METHOD:	DP
RISER DIAMETER:	2"	DEPTH:	1.5 - 0'	REFERENCE POINT (RP):	ground
RISER TYPE/SIZE:	PVC sched 40			ELEVATION OF RP:	—
REMARKS:					

DEPTH (IN FEET)	RECOVERY (FT)	SAMPLE DESCRIPTION AND NOTES	STRATA CHANGE (FT)	PID (PPM)	WELL PROFILE
0	0-5'	0-0.5 dark brown, silty OH wet		0.0	
1	3.5' Rec.	0.5-1 reddish brown SAA wet		0.0	
2		1-3.5' lt. brown, wet, silty f.		0.0	
3		sand, little f. gravel, dense		0.0	
4				—	
5	5-10'	0-4' SAA, 0-1' wet 1-4' moist,		0.0	
6	4' Rec.	dense, more f. gravel than above		0.0	
7				0.0	
8				0.0	
9				—	
10	10-15'	0-1' SAA (5-10'), lt. brown, saturated		0.0	
11	1' Rec.				
12	(10-11')	refusal at 11 ft			
13					
14		sample WT			
15					
16		SB-7-10ft @ 1330			
17					
18					
19					
20					

LEGEND: Concrete, Native, Bentonite, Filter Sand, Riser, Screen, Water level

Sand 11.5-1' bent. (no space) flush mount

PROPORTIONS USED		BLOW COUNT (COHESIVE SOILS)		BLOW COUNT (GRANULAR SOILS)	
AND	33-50%	<2	VERY SOFT	0-4	VERY LOOSE
SOME	20-33%	2-4	SOFT	4-10	LOOSE
LITTLE	10-20%	4-8	MEDIUM STIFF	10-30	MEDIUM DENSE
TRACE	0-10%	8-15	STIFF	30-50	DENSE
		15-30	VERY STIFF	>50	VERY DENSE
		>30	HARD		

Notes:

PID used: IonScience Tiger #3

Exhibit S

ATLAS

51 KNIGHT LANE
WILLISTON, VERMONT 05495
(802) 862-1980
(737) 207-8272 - FAX

BORING / WELL IDENTIFICATION: SB-8/MW-8

SITE NAME:	Morrissey Res.
SITE LOCATION:	Bristol, VT
INSTALLATION DATE:	5/5/2025
JOB NUMBER:	280EM01330

WELL DEPTH:	13'	BORING DEPTH:	15'	ATLAS REPRESENTATIVE:	JP
DEPTH TO WATER (DURING DRILLING):	~10 ft			DRILLING COMPANY:	Cascade
SCREEN DIAMETER:	2"	DEPTH:	13-3'		
SCREEN TYPE/SIZE:	0.010" slot			SAMPLING METHOD:	DP
RISER DIAMETER:	2"	DEPTH:	3-0'	REFERENCE POINT (RP):	ground
RISER TYPE/SIZE:	PVC sched 40			ELEVATION OF RP:	
REMARKS:					

DEPTH (IN FEET)	RECOVERY (FT)	SAMPLE DESCRIPTION AND NOTES	STRATA CHANGE (FT)	PID (PPM)	WELL PROFILE
0	0-5'	0-0.5' dk. brown silty OH wet		0.0	sand 13-2' bent. 2-1' flush mount
1	5' Rec.	0.5-5' lt. brown, wet/moist alternating silty f. sand, some f. gravel		0.0	
2				0.0	
3				0.0	
4				0.0	
5	5-10'	0-5' SAA, mostly wet w/ some drier		0.0	
6	5' Rec.	layers, not sure if it's from		0.0	
7		recent rain or actual WT		0.0	
8				0.0	
9 ? ▽				0.0	
10	10-15'	0-5 SAA; very saturated 0-2'		0.0	
11	5' Rec.	then moist/wet 2-5		0.0	
12				0.0	
13		sample at WT		0.0	
14				0.0	
15		SB-8-10ft @ 1420			
16					
17					
18					
19					
20					

LEGEND: Concrete; Native; Bentonite; Filter Sand; Riser; Screen; Water level

PROPORTIONS USED		BLOW COUNT (COHESIVE SOILS)		BLOW COUNT (GRANULAR SOILS)	
AND	33-50%	<2	VERY SOFT	0-4	VERY LOOSE
SOME	20-33%	2-4	SOFT	4-10	LOOSE
LITTLE	10-20%	4-8	MEDIUM STIFF	10-30	MEDIUM DENSE
TRACE	0-10%	8-15	STIFF	30-50	DENSE
		15-30	VERY STIFF	>50	VERY DENSE
		>30	HARD		

Notes:
PID used: IonScience Tiger #3

Exhibit S

5/6/25 Morrissey Residence 280EM01294 PACT
0900 JP onsite May monthly sampling
60° Partly sunny, just rained

basement sump running constantly
water table is high; depth to water in
well measured yesterday at 1.6 ft bgs.

flush from kitchen sink 10 mins or until
pump kicks on

Effluent @ 0915 — 524.2 VOCs

Mid @ 0920 — Include TB & ship w/ soil samples from yesterdays drilling

INFluent @ 0922

DUP @ 0001 — Pace course

* Culligan recently installed water softener

pump → sed → softener → GAC → sed → UV → out
inf mid EFF

0940 offsite

JP

Scale: 1 square = _____

Rite in the Rain

6/3/25 Morrissey Resid: 280EMO133 Exhibit S 70° sunny
Amelia Kennedy
On Site 9:00 w/ Scott (EEC)

met w/ homeowners + completed survey
Scott off site ~ 10:15

Started w/ MW-4, to MW-5 DUP,
MW-8, MW-7

Some water in MW-4 RD, must be
SW, bailed out before opening cap

GW very shallow, ground surface wet

MW-5 took a long time to stabilize
YSI acting strange - readings change
suddenly when cord moves

MW-8 + MW-7 uneventful + stabilized
~~Thr~~ 1hr

OFF SITE
1615

AK

Scale: 1 square = _____

Rite in the Rain

6/4/25 Morrissey 280E MO133 Exhibit 3 80° sunny

Amelia Kennedy On Site 9:00 PT

Drinking water sampling

1007 Jerusalem Dr.
- Nobody home, chickens came to investigate
started hose purge 9:18 - 928
ST - 930

1113 JD
- Checked in w/ Noah (homeowner)
started purge 9:43 - 953 direct from spigot #
Noah showed me the well, no tag see GPS ST - 1000

1128 JD - DUP HERE
- Nobody home, could not locate well ≈ 20' from back of house, wetland starts
purge 1010 - 1020 ST 1025

1145 - JD
- Nobody home, purge start ST 1035 - 1045
attempt to locate well. Found in E side yard
ST 1050

33 - Harlow Dr
- Nobody home, well found behind house purge 1105 - 1115 ST 1120

Scale: 1 square = _____

Exhibit 8

6/4/25 Morrissey DW Sampling TW#0330
p2 of 2

33 HD → met Nick got septic info

77 Harlow Dr
- Met Bill → found well + septic hose on for boat motor test
no purge necessary ST 1150

? He wanted it noted that basement of 2006 JD had flooded + knocked oil tank over

178 Harlow Dr
- Nobody Home ~~to~~ found well in back yard purge time 1154–1204
ST 1210

Offsite

1220

MM

Scale: 1 square = _____

Rite in the Rain

Exhibit S

VERMONT

AGENCY OF NATURAL RESOURCES

WATER SUPPLY FIELD COLLECTION FORM

PROJECT: Morrissey

SAMPLE E911 ADDRESS	1002 Jerusalem Dr		
SAMPLER(S)	Amelia Kennedy	DATE/TIME	6/4/25 ≈9:30
OWNER NAME	Izzi Plunkett	E-MAIL	
ADDRESS (IF DIFFERENT)		TELEPHONE	802-458-7520
RENTAL?	YES (NO)	E-MAIL	
TENANT NAME		TELEPHONE	
WATER SUPPLY TYPE	SPRING OVERBURDEN BEDROCK (UNKNOWN) ?	WELL LOCATION (I.E. FRONT YARD, CELLAR…) Back yard?	
DATE OF INSTALLATION		TAKE A PICTURE OF THE WELL TAG (IF THE WELL HAS ONE)	
GPS COORDINATES	LAT: LONG:	WELL TAG NUMBER	
		DRILLER ID #	
WATER SOFTENER	YES (NO) TYPE:	ONSITE SEPTIC?	YES NO (UNKNOWN)
WATER FILTER	YES (NO) TYPE:	SEPTIC LOCATION	
SAMPLE LOCATION	PRESSURE TANK SPIGOT (OUTSIDE SPIGOT) KITCHEN FAUCET OTHER:	AERATOR REMOVED?	YES NO (NONE PRESENT)
PURGING TIMES	START: 9:18 SAMPLE TIME:	ODOR?	YES (NO) DESCRIBE:
SAMPLE ID: 1002 - JD		COLOR?	YES (NO) DESCRIBE:

SAMPLE AREA INVENTORY/USE:
Outdoor spigot, garden

Exhibit S

NOTES (INCLUDE WELL DEPTH IF KNOWN, OTHER TREATMENT, CONDITION OF THE WELL CAP OR SPRING HOUSE, PROXIMITY TO POTENTIAL SOURCES OF CONTAMINATION, ETC.):

SITE SKETCH SHOWING GENERAL LOCATION OF SUPPLY WELL, HOUSE, SEPTIC, ROAD:

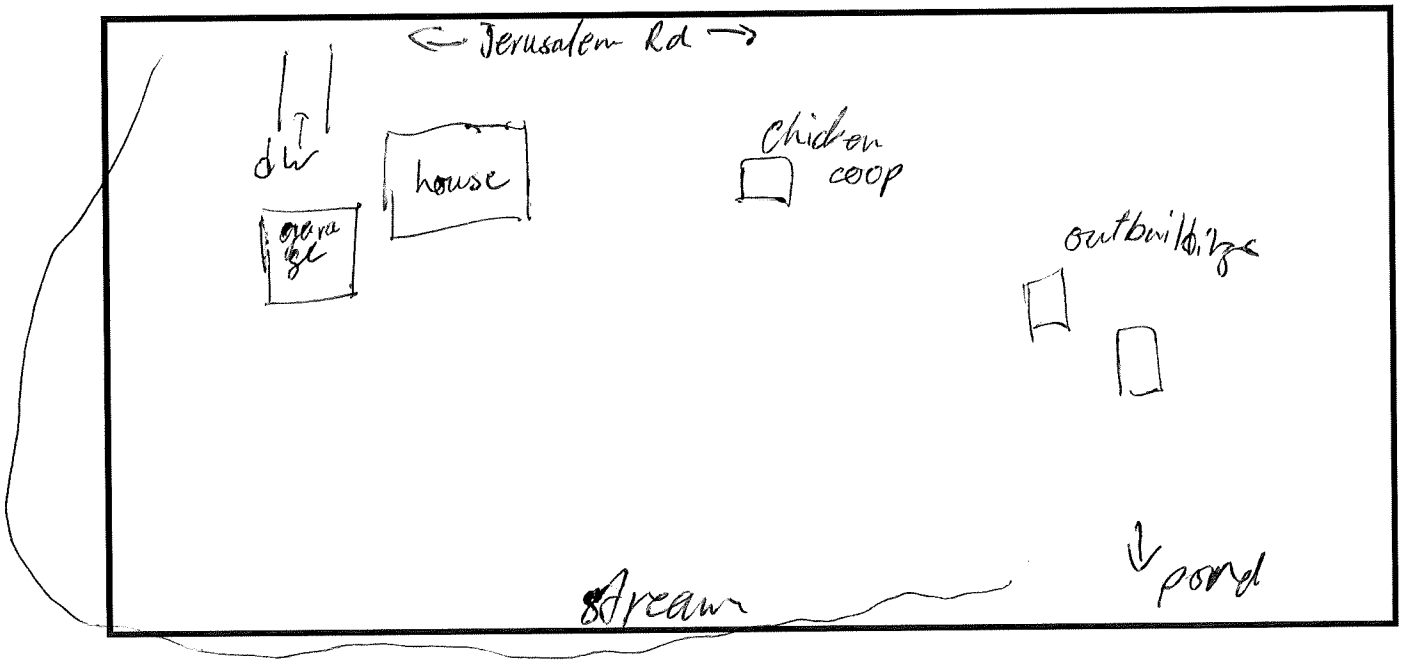


Exhibit S

VERMONT

AGENCY OF NATURAL RESOURCES

WATER SUPPLY FIELD COLLECTION FORM

PROJECT:

SAMPLE E911 ADDRESS	1113 Jerusalem Dr		
SAMPLER(S)	Amelia Kennedy	DATE/TIME	6/4/25 1000
OWNER NAME	Noah Roulat	E-MAIL	
ADDRESS (IF DIFFERENT)		TELEPHONE	203-788-6814
RENTAL?	YES (NO)	E-MAIL	
TENANT NAME		TELEPHONE	
WATER SUPPLY TYPE	SPRING (OVERBURDEN) BEDROCK (UNKNOWN) ?	WELL LOCATION (I.E. FRONT YARD, CELLAR…) Side yd near chicken coop	
DATE OF INSTALLATION	?	TAKE A PICTURE OF THE WELL TAG (IF THE WELL HAS ONE)	
GPS COORDINATES	LAT: see pics LONG:	WELL TAG NUMBER	WRN #8
		DRILLER ID #	
WATER SOFTENER	YES (NO) TYPE:	ONSITE SEPTIC?	(YES) NO UNKNOWN
WATER FILTER	YES (NO) TYPE:	SEPTIC LOCATION	Backyard
SAMPLE LOCATION	PRESSURE TANK SPIGOT (OUTSIDE SPIGOT) KITCHEN FAUCET OTHER:	AERATOR REMOVED?	YES NO (NONE PRESENT)
PURGING TIMES	START: 943 SAMPLE TIME:	ODOR?	YES (NO) DESCRIBE:
SAMPLE ID:	1113-JD	COLOR?	YES (NO) DESCRIBE:

SAMPLE AREA INVENTORY/USE:

Outdoor spigot

Exhibit S

NOTES (INCLUDE WELL DEPTH IF KNOWN, OTHER TREATMENT, CONDITION OF THE WELL CAP OR SPRING HOUSE, PROXIMITY TO POTENTIAL SOURCES OF CONTAMINATION, ETC.):

SITE SKETCH SHOWING GENERAL LOCATION OF SUPPLY WELL, HOUSE, SEPTIC, ROAD:

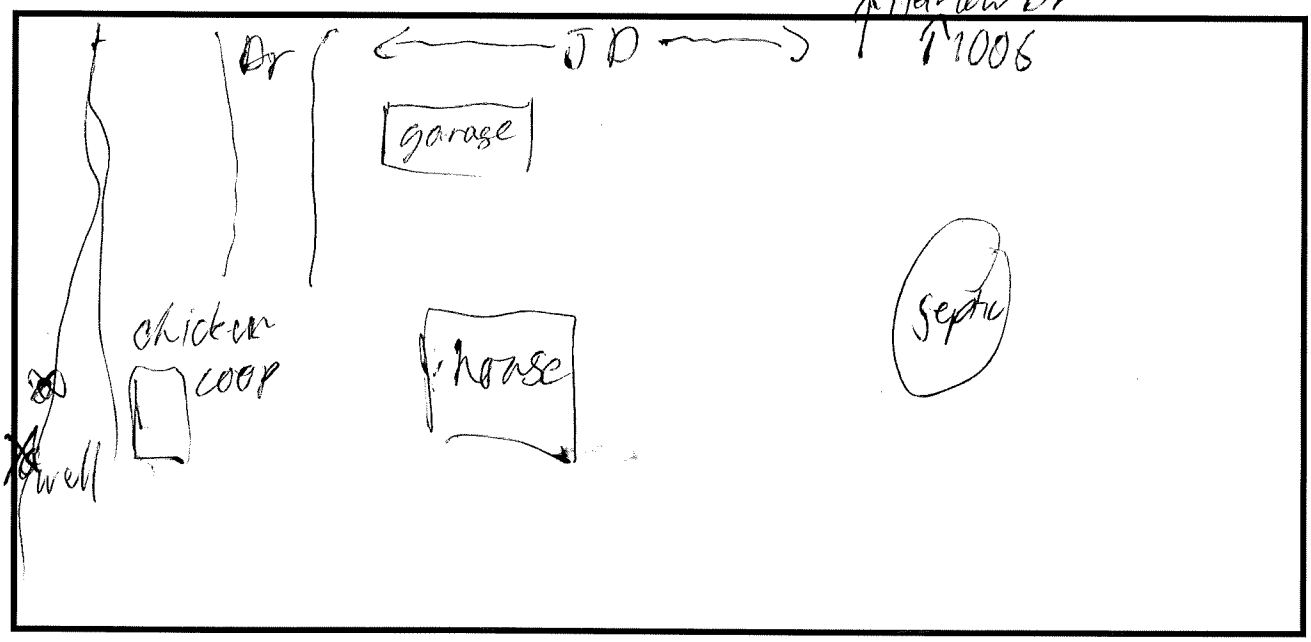


Exhibit S

VERMONT

AGENCY OF NATURAL RESOURCES

WATER SUPPLY FIELD COLLECTION FORM

PROJECT:

SAMPLE E911 ADDRESS	1128 Jerusalem Dr		
SAMPLER(S)	Amelia Kennedy	DATE/TIME	6/4/25
OWNER NAME	Molly Bidwell	E-MAIL	
ADDRESS (IF DIFFERENT)		TELEPHONE	802-453-5537
RENTAL?	YES NO	E-MAIL	
TENANT NAME		TELEPHONE	
WATER SUPPLY TYPE	SPRING OVERBURDEN BEDROCK UNKNOWN	WELL LOCATION (I.E. FRONT YARD, CELLAR…) Back yard ? TAKE A PICTURE OF THE WELL TAG (IF THE WELL HAS ONE)	
DATE OF INSTALLATION			
GPS COORDINATES	LAT: LONG:	WELL TAG NUMBER	
		DRILLER ID #	
WATER SOFTENER	YES NO TYPE:	ONSITE SEPTIC?	YES NO UNKNOWN
WATER FILTER	YES NO TYPE:	SEPTIC LOCATION	
SAMPLE LOCATION	PRESSURE TANK SPIGOT OUTSIDE SPIGOT KITCHEN FAUCET OTHER:	AERATOR REMOVED?	YES NO NONE PRESENT
PURGING TIMES	START: 1010 SAMPLE TIME: 1025	ODOR?	YES NO DESCRIBE:
SAMPLE ID: 1128-JP		COLOR?	YES NO DESCRIBE:

SAMPLE AREA INVENTORY/USE:

outdoor garden

Exhibit S

NOTES (INCLUDE WELL DEPTH IF KNOWN, OTHER TREATMENT, CONDITION OF THE WELL CAP OR SPRING HOUSE, PROXIMITY TO POTENTIAL SOURCES OF CONTAMINATION, ETC.):

SITE SKETCH SHOWING GENERAL LOCATION OF SUPPLY WELL, HOUSE, SEPTIC, ROAD:

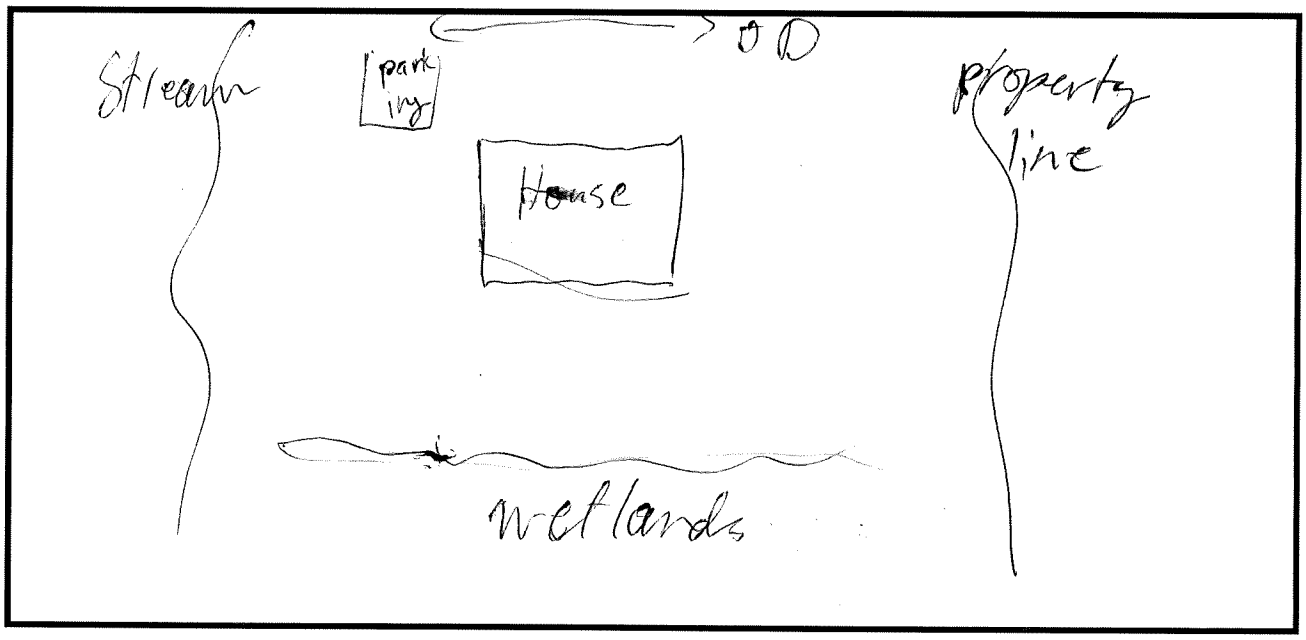


Exhibit S

VERMONT

AGENCY OF NATURAL RESOURCES

WATER SUPPLY FIELD COLLECTION FORM

PROJECT:

SAMPLE E911 ADDRESS	1145 Jerusalem Dr		
SAMPLER(S)	Amelia Kennedy	DATE/TIME	6/4/25
OWNER NAME	Molly Bidwell	E-MAIL	
ADDRESS (IF DIFFERENT)		TELEPHONE	802-453-5537
RENTAL?	YES (NO)	E-MAIL	
TENANT NAME		TELEPHONE	
WATER SUPPLY TYPE	SPRING OVERBURDEN BEDROCK (UNKNOWN)	WELL LOCATION (I.E. FRONT YARD, CELLAR…) Backyard E	
DATE OF INSTALLATION		TAKE A PICTURE OF THE WELL TAG (IF THE WELL HAS ONE)	
GPS COORDINATES	LAT:	WELL TAG NUMBER	
	LONG:	DRILLER ID #	
WATER SOFTENER	YES (NO) TYPE:	ONSITE SEPTIC?	YES NO (UNKNOWN)
WATER FILTER	YES (NO) TYPE:	SEPTIC LOCATION	
SAMPLE LOCATION	PRESSURE TANK SPIGOT (OUTSIDE SPIGOT) KITCHEN FAUCET OTHER:	AERATOR REMOVED?	YES (NO) (NONE PRESENT)
PURGING TIMES	START: 1035 SAMPLE TIME: 1050	ODOR?	YES (NO) DESCRIBE:
SAMPLE ID: 1145-JD		COLOR?	YES (NO) DESCRIBE:

SAMPLE AREA INVENTORY/USE: Outdoor ~~garage~~ garden

Exhibit S

NOTES (INCLUDE WELL DEPTH IF KNOWN, OTHER TREATMENT, CONDITION OF THE WELL CAP OR SPRING HOUSE, PROXIMITY TO POTENTIAL SOURCES OF CONTAMINATION, ETC.):

SITE SKETCH SHOWING GENERAL LOCATION OF SUPPLY WELL, HOUSE, SEPTIC, ROAD:

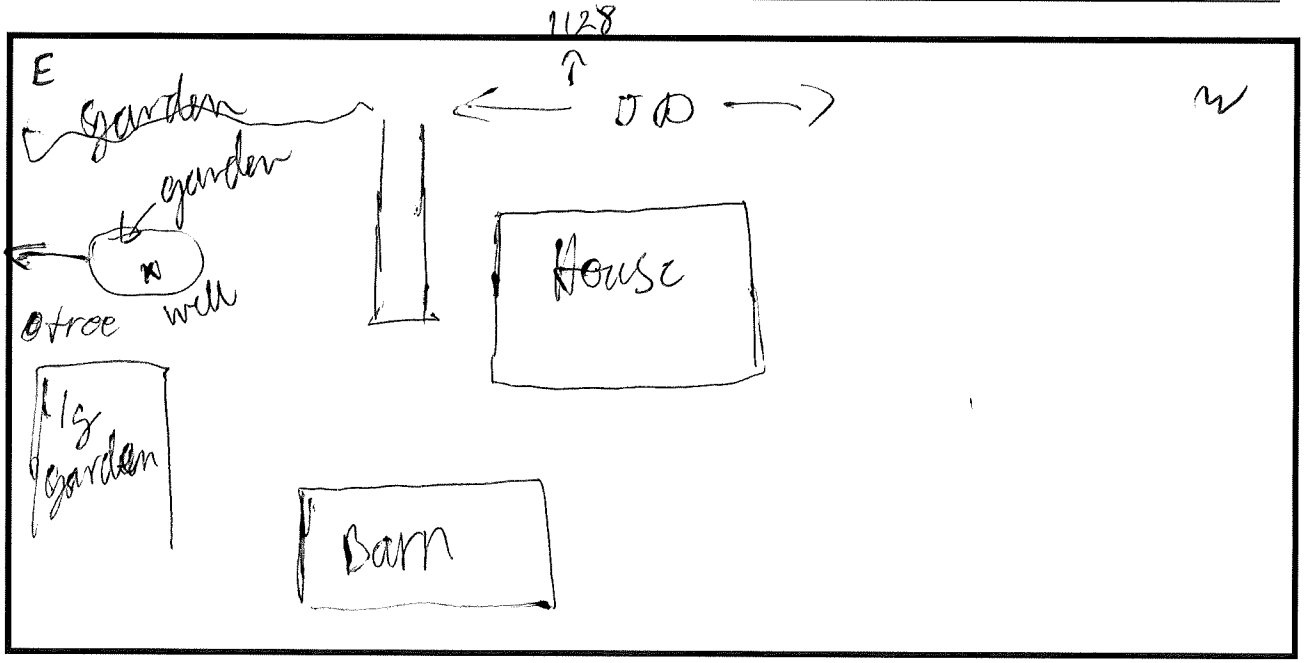


Exhibit S

VERMONT

AGENCY OF NATURAL RESOURCES

WATER SUPPLY FIELD COLLECTION FORM

PROJECT: Morrissey

SAMPLE E911 ADDRESS	33 Harlow Dr		
SAMPLER(S)	Amelia Kennedy	DATE/TIME	6/4/25
OWNER NAME	Nick Bissonette	E-MAIL	
ADDRESS (IF DIFFERENT)		TELEPHONE	802-777-0031
RENTAL?	YES (NO)	E-MAIL	
TENANT NAME		TELEPHONE	
WATER SUPPLY TYPE	SPRING OVERBURDEN BEDROCK (UNKNOWN)	WELL LOCATION (I.E. FRONT YARD, CELLAR…)	Back yard
DATE OF INSTALLATION		TAKE A PICTURE OF THE WELL TAG (IF THE WELL HAS ONE)	
GPS COORDINATES	LAT: seepics LONG:	WELL TAG NUMBER	#17530
		DRILLER ID #	
WATER SOFTENER	YES (NO) TYPE:	ONSITE SEPTIC?	(YES) NO (UNKNOWN)
WATER FILTER	YES (NO) TYPE:	SEPTIC LOCATION	front yard
SAMPLE LOCATION	PRESSURE TANK SPIGOT OUTSIDE SPIGOT KITCHEN FAUCET OTHER: _____	AERATOR REMOVED?	YES (NO) NONE PRESENT
PURGING TIMES	START: 1105-1115 SAMPLE TIME: 1120	ODOR?	YES (NO) DESCRIBE:
SAMPLE ID:	33 HD	COLOR?	YES (NO) DESCRIBE:

SAMPLE AREA INVENTORY/USE:
side yd

Exhibit S

NOTES (INCLUDE WELL DEPTH IF KNOWN, OTHER TREATMENT, CONDITION OF THE WELL CAP OR SPRING HOUSE, PROXIMITY TO POTENTIAL SOURCES OF CONTAMINATION, ETC.):

SITE SKETCH SHOWING GENERAL LOCATION OF SUPPLY WELL, HOUSE, SEPTIC, ROAD:

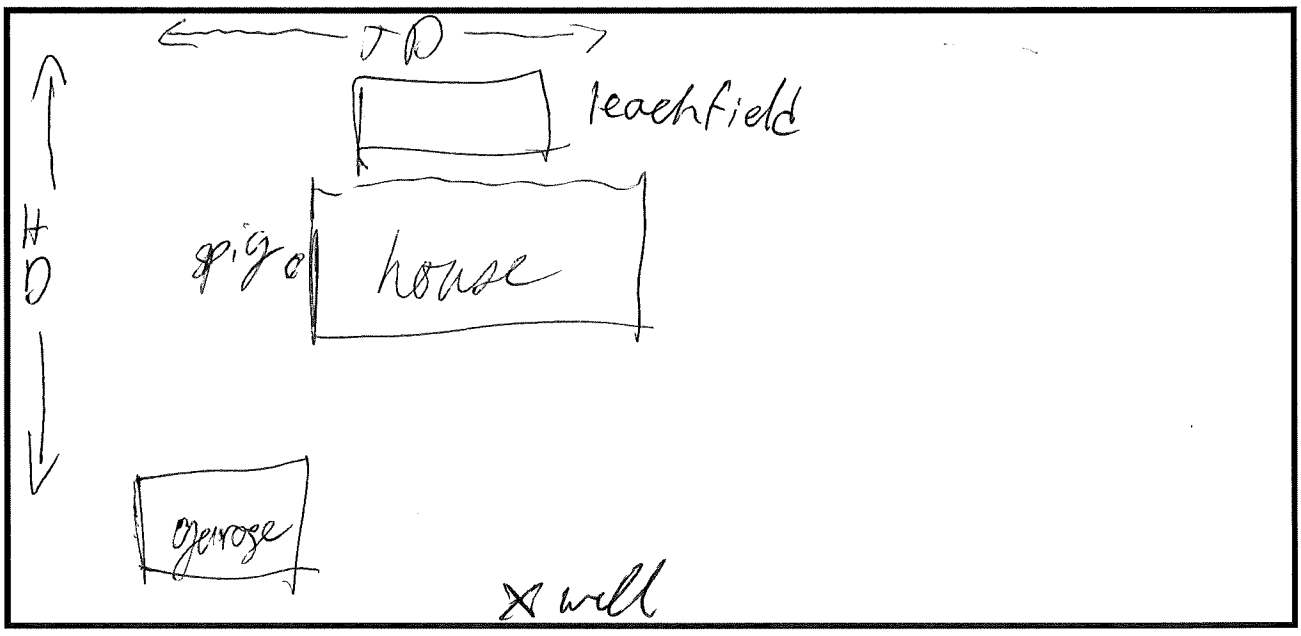


Exhibit S

VERMONT

AGENCY OF NATURAL RESOURCES

WATER SUPPLY FIELD COLLECTION FORM

PROJECT:

SAMPLE E911 ADDRESS	77 Harlow Dr		
SAMPLER(S)	Amelia Kennedy	DATE/TIME	6/11/25
OWNER NAME	Ellen + Bill Bisonnette	E-MAIL	
ADDRESS (IF DIFFERENT)		TELEPHONE	802-453-4018
RENTAL?	YES (NO)	E-MAIL	
TENANT NAME		TELEPHONE	
WATER SUPPLY TYPE	SPRING OVERBURDEN BEDROCK (UNKNOWN)	WELL LOCATION (I.E. FRONT YARD, CELLAR…)	E by pond
DATE OF INSTALLATION	1980?	TAKE A PICTURE OF THE WELL TAG (IF THE WELL HAS ONE)	
GPS COORDINATES	LAT: Seeps LONG:	WELL TAG NUMBER	dug
		DRILLER ID #	
WATER SOFTENER	YES (NO) TYPE:	ONSITE SEPTIC?	(YES) NO UNKNOWN
WATER FILTER	YES (NO) TYPE:	SEPTIC LOCATION	back yard
SAMPLE LOCATION	PRESSURE TANK SPIGOT (OUTSIDE SPIGOT) KITCHEN FAUCET OTHER:	AERATOR REMOVED?	YES NO (NONE PRESENT)
PURGING TIMES	START: on SAMPLE TIME: 1150	ODOR?	YES (NO) DESCRIBE:
SAMPLE ID:	77-HD	COLOR?	YES (NO) DESCRIBE:

SAMPLE AREA INVENTORY/USE:
side yard

Exhibit S

NOTES (INCLUDE WELL DEPTH IF KNOWN, OTHER TREATMENT, CONDITION OF THE WELL CAP OR SPRING HOUSE, PROXIMITY TO POTENTIAL SOURCES OF CONTAMINATION, ETC.):

horse on on arr

SITE SKETCH SHOWING GENERAL LOCATION OF SUPPLY WELL, HOUSE, SEPTIC, ROAD:

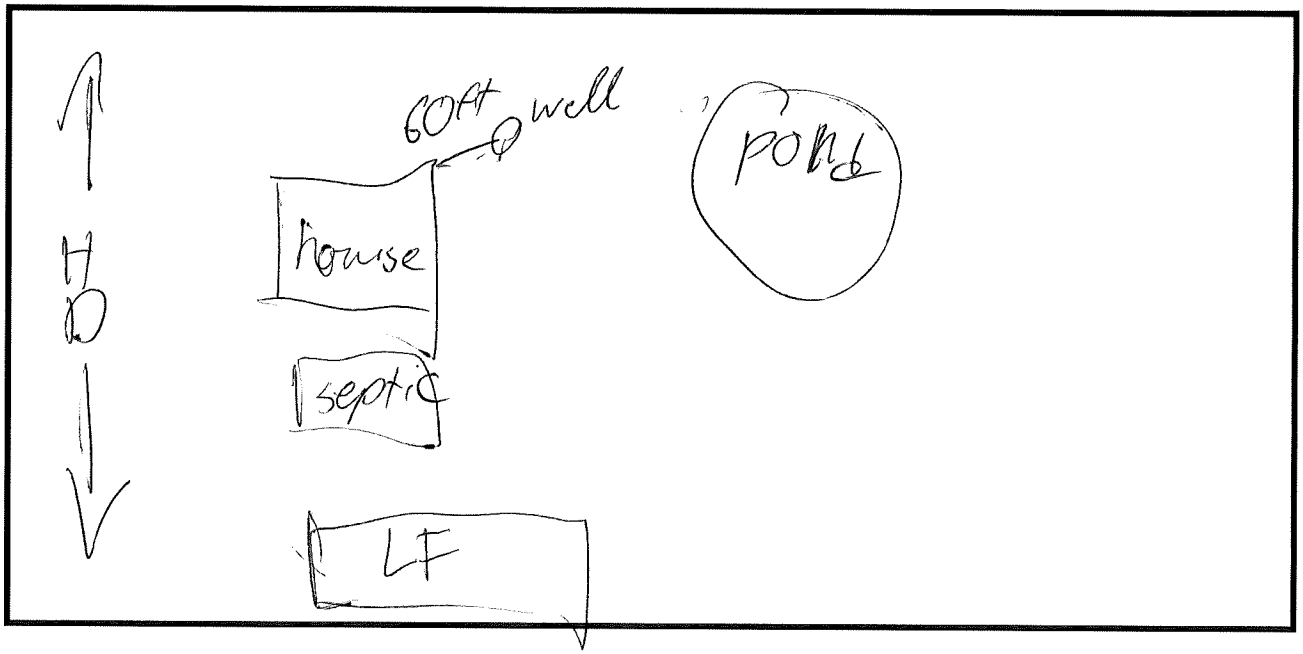


Exhibit S

VERMONT

AGENCY OF NATURAL RESOURCES

WATER SUPPLY FIELD COLLECTION FORM

PROJECT: Morrissey

SAMPLE E911 ADDRESS	178 Harlow Dr		
SAMPLER(S)	Amelia Kinneeley	DATE/TIME	6/4/25
OWNER NAME	Eric Hanson	E-MAIL	
ADDRESS (IF DIFFERENT)		TELEPHONE	802-453-4078
RENTAL?	YES (NO)	E-MAIL	
TENANT NAME		TELEPHONE	
WATER SUPPLY TYPE	SPRING OVERBURDEN BEDROCK (UNKNOWN)	WELL LOCATION (I.E. FRONT YARD, CELLAR…)	Playground side of house
DATE OF INSTALLATION		TAKE A PICTURE OF THE WELL TAG (IF THE WELL HAS ONE)	
GPS COORDINATES	LAT: seepics LONG:	WELL TAG NUMBER	Dug
		DRILLER ID #	
WATER SOFTENER	YES (NO) TYPE:	ONSITE SEPTIC?	YES NO (UNKNOWN)
WATER FILTER	YES (NO) TYPE:	SEPTIC LOCATION	
SAMPLE LOCATION	PRESSURE TANK SPIGOT (OUTSIDE SPIGOT) KITCHEN FAUCET OTHER:	AERATOR REMOVED?	YES NO (NONE PRESENT)
PURGING TIMES	START: 1154 SAMPLE TIME: 1210	ODOR?	YES (NO) DESCRIBE:
SAMPLE ID: 178-HD		COLOR?	YES (NO) DESCRIBE:

SAMPLE AREA INVENTORY/USE:

side yd

Exhibit S

NOTES (INCLUDE WELL DEPTH IF KNOWN, OTHER TREATMENT, CONDITION OF THE WELL CAP OR SPRING HOUSE, PROXIMITY TO POTENTIAL SOURCES OF CONTAMINATION, ETC.):

SITE SKETCH SHOWING GENERAL LOCATION OF SUPPLY WELL, HOUSE, SEPTIC, ROAD:

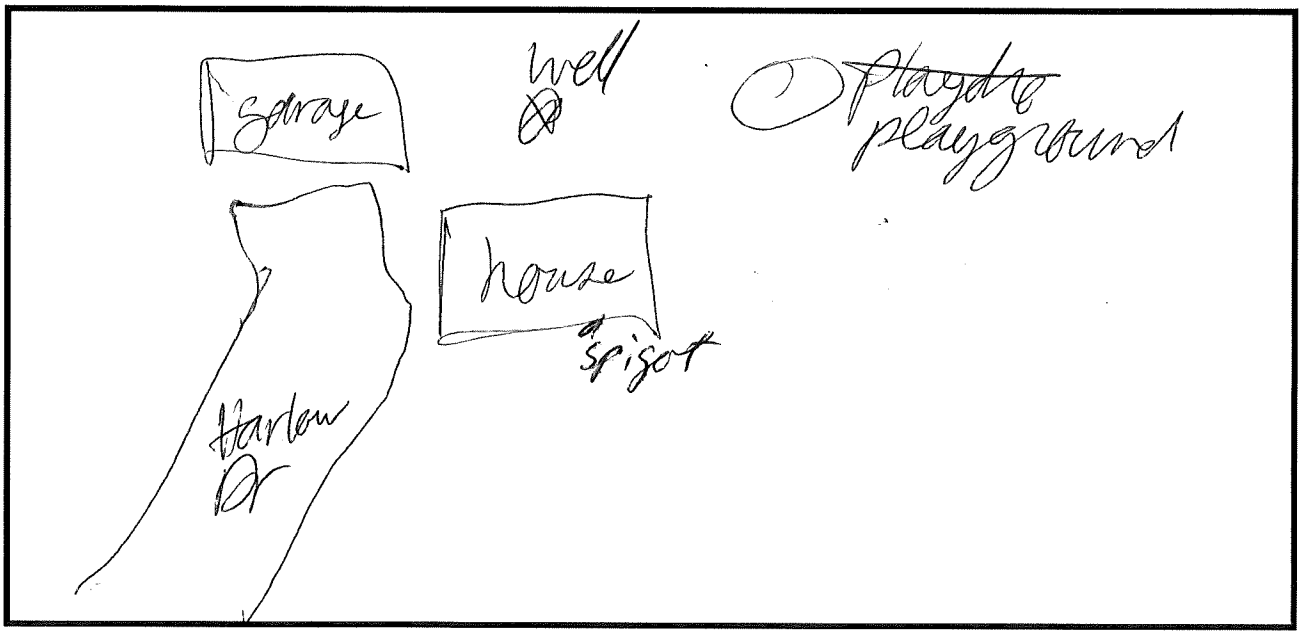


Exhibit S

ATLAS

Well Sampling Form – Page 1 of 2

Site Name/Location: Morrissey Date: 6/3/25

Sample I.D.: MW-4 Collection Time 1110

Sampling Sequence: 1 Of 4

Atlas Field Staff Collecting This Sample: MK

Climatic Conditions (Temp/Precip): 60° sunny

Depth To Product: — Feet Depth To Water: 1.22 Feet

Reference Point (TOC or other -Describe) TOC

Ref. Point Elev. Relative To Ground Surface (Use "+" For Aboveground, "–" For Belowground): — feet

Measurement Technique (WLM, IP or other -Describe) WLM

Presence/Absence Of NAPL And Detection Method: —

Total Depth Of Boring (Take Measurement After Sampling): 12.64

Well Yield: High ✓ Low _____ Pumped Dry? _____

Final Water Appearance (At Sample Collection) Clear — Cloudy _____ Opaque _____

Sample Collected from (tubing, bailer, or other-describe) tubing

Submitted For Analysis By (Method or Methods): 8260, SVOC.

Field Test Results (HACH Kits):

Alkalinity: _____ Chloride: _____

Iron (II): _____ Sulfate: _____

Notes: _____

--USE REVERSE SIDE OF FORM FOR LOW FLOW SAMPLING PARAMETERS--

Last Update: Sep 2005

Exhibit S

Low-Flow Well Sampling Form – Page 2 of 2

Location: Morrissey
Well Id: MW-4
Field Personnel: AK
Reference Point (RP – TOC or other-describe): TOC

Depth To Top 3 / Bottom 13 Of Screen (Below RP)
Pump Intake Depth: 11
Pumping Device: Peri

Time (24 Hr)	Depth To Water (ft)	Purge Rate mL/min)	Pump Speed	Cumulative Volume Purged	Temperature °C 3%	Specific Conductance (uS/cm) 3%	pH ±0.1	ORP / eH (mV) ±10	DO (Mg/L) 10 %	Turbidity (NTU) 10%	Comments
1033	1.44	200	1/3	0.5	9.3	50.6	5.98	233	3.22	2.34	
1038	2.14	200	1/3	1.5	9.2	48.3	4.77	259	2.60	0.69	
1043	2.55	200	1/3	2.5	9.3	48.2	4.88	264	2.61	3.35	
1048	2.60	200	1/3	3.5	9.2	42.5	5.21	237	2.75	0.22	
1053	2.89	200	1/3	4.5	9.0	44.5	4.78	266	2.50	0.28	
1058	3.22	200	1/3	5.5	8.9	42.8	4.75	266	2.49	0.02	
1103	3.41	200	1/3	6.5	8.9	40.8	4.71	262	2.36	0.15	
						ST 1110					

Notes: water in WB when opened, possible sheen

Last Update: Sep 2005

Exhibit S

ATLAS

Well Sampling Form – Page 1 of 2

Site Name/Location: Morrissey Date: 6/3/25

Sample I.D.: MW-5 Collection Time 1330

Sampling Sequence: 2 Of 4

Atlas Field Staff Collecting This Sample: AK

Climatic Conditions (Temp/Precip): 68° sunny

Depth To Product: — Feet Depth To Water: 1.10 Feet

Reference Point (TOC or other -Describe) TOC

Ref. Point Elev. Relative To Ground Surface (Use "+" For Aboveground, "–" For Belowground): — feet

Measurement Technique (WLM, IP or other -Describe) WLM

Presence/Absence Of NAPL And Detection Method: _____

Total Depth Of Boring (Take Measurement After Sampling): 12.60

Well Yield: High ✓ Low _____ Pumped Dry? _____

Final Water Appearance (At Sample Collection) Clear ✓ Cloudy _____ Opaque _____

Sample Collected from (tubing, bailer, or other-describe) tubing

Submitted For Analysis By (Method or Methods): 8260, 8270

Field Test Results (HACH Kits):

Alkalinity: _____ Chloride: _____

Iron (II): _____ Sulfate: _____

Notes: DUP #1 HERE

P1

--USE REVERSE SIDE OF FORM FOR LOW FLOW SAMPLING PARAMETERS--

Last Update: Sep 2005

Exhibit S

Low-Flow Well Sampling Form – Page 2 of 2

Location: Morrissey
Well Id: MW-5
Field Personnel: AK
Reference Point (RP – TOC or other-describe): TOC

Depth To [redacted] / [redacted] Of Screen (Below RP)
Top Bottom
Pump Intake Depth: 10.5
Pumping Device: Peri

Time (24 Hr)	Depth To Water (ft)	Purge Rate mL/min)	Pump Speed	Cumulative Volume Purged	Temperature °C 3%	Specific Conductance (uS/cm) 3%	pH ±0.1	ORP / eH (mV) ±10	DO (Mg/L) 10 %	Turbidity (NTU) 10%	Comments
1154	1.40	100	5/8	0.50	9.3	61.3	5.91	211.1	3.24	8.29	
1159	1.61	100	5/8	1	9.2	60.9	5.75	229.7	1.98	6.36	
1204	1.73	100	5/8	1.5	9.1	62.2	5.67	239.1	1.07	4.68	
1209	1.72	100	3/4	2	9.2	63.6	5.70	238.1	1.90	4.61	
1214	1.73	100	3/4	2.5	9.2	61.6	5.86	230.7	1.71	5.11	
1219	1.75	100	3/4	3	8.8	71.0	5.64	244.3	1.81	13.4	
1224	1.74	100	3/4	3.5	8.9	74.0	5.92	228.1	1.82	11.1	
1229	1.73	100	3/4	4	8.8	76.7	5.88	230.9	1.94	14.2	
1234	1.68	100	7/8	4.5	9.0	78.5	6.08	217.4	2.06	7.56	
1239	1.79	100	7/8	5	8.7	79.6	5.87	239.2	2.14	7.91	
1244	1.82	100	7/8	5.5	8.7	79.3	5.66	239.7	2.32	8.15	
Notes:											
1249	1.90	100	7/8	6	8.8	83.4	5.67	248.0	2.20	6.29	
1254	1.92	100	7/8	6.5	8.8	87.2	5.90	222.1	2.99	9.80	
1259	1.85	100	7/8	7	8.8	89.4	5.76	229.5	3.40	11.3	
1304	1.80	100	7/8	7.5	9.0	91.5	5.77	226.0	3.57	9.84	
1309	1.84	100	7/8	8	8.8	104.5	5.75	225.5	3.85	4.68	
1314	1.87	100	7/8	8.5	9.0	97.9	5.58	234.5	3.82	4.09	

Last Update: Sep 2005

Exhibit S

Low-Flow Well Sampling Form – Page 2 of 2

Location: Morrissey
Well Id: MW-5
Field Personnel: AK
Reference Point (RP – TOC or other-describe): TOC

Depth To 3 / 13 Of Screen (Below RP)
Top Bottom
Pump Intake Depth: 10.5
Pumping Device: Peri

Time (24 Hr)	Depth To Water (ft)	Purge Rate mL/min)	Pump Speed	Cumulative Volume Purged	Temperature °C 3%	Specific Conductance (uS/cm) 3%	pH ±0.1	ORP / eH (mV) ±10	DO (Mg/L) 10 %	Turbidity (NTU) 10%	Comments
1319	7.95	100	7/8	9	8.7	94.2	5.53	236.2	4.06	2.32	
1324	7.95	100	7/8	9.5	8.8	84.9	5.60	232.4	3.93	4.18	
						SAT	1330				

Notes:

DUP HERE ✓ ✓ ✓ P2

Last Update: Sep 2005

Exhibit S

ATLAS

Well Sampling Form – Page 1 of 2

Site Name/Location: Morrissey Date: 6/3/25

Sample I.D.: MW-7 Collection Time _____

Sampling Sequence: 4 Of 4

Atlas Field Staff Collecting This Sample: AR

Climatic Conditions (Temp/Precip): 70° sunny

Depth To Product: — Feet Depth To Water: 1.88 Feet

Reference Point (TOC or other -Describe) TOC

Ref. Point Elev. Relative To Ground Surface (Use "+" For Aboveground, "–" For Belowground): — feet

Measurement Technique (WLM, IP or other -Describe) WLM

Presence/Absence Of NAPL And Detection Method: —

Total Depth Of Boring (Take Measurement After Sampling): 11.05

Well Yield: High ✓ Low _____ Pumped Dry? _____

Final Water Appearance (At Sample Collection) Clear ✓ Cloudy _____ Opaque _____

Sample Collected from (tubing, bailer, or other-describe) tubing

Submitted For Analysis By (Method or Methods): 8260, 8270

Field Test Results (HACH Kits):

Alkalinity: _____ Chloride: _____

Iron (II): _____ Sulfate: _____

Notes: _____

--USE REVERSE SIDE OF FORM FOR LOW FLOW SAMPLING PARAMETERS--

Last Update: Sep 2005

Exhibit S

Low-Flow Well Sampling Form – Page 2 of 2

Location: Morrissey
Well Id: ~~MW-8~~ MW-7
Field Personnel: AK
Reference Point (RP – TOC or other-describe): TOC

Depth To 15 / 11.5 Of Screen (Below RP)
Top Bottom
Pump Intake Depth: 9.5
Pumping Device: Peri

Time (24 Hr)	Depth To Water (ft)	Purge Rate mL/min)	Pump Speed	Cumulative Volume Purged	Temperature °C 3%	Specific Conductance (uS/cm) 3%	pH ±0.1	ORP / eH (mV) ±10	DO (Mg/L) 10 %	Turbidity (NTU) 10%	Comments
1537	2.27	150	1/3	0.3	11.6	79.1	5.34	216.8	3.85	9.23	
1542	2.69	150	1/3	1.05	12.7	77.4	5.29	230.7	3.80	5.06	
1547	2.97	100	1/4	1.55	12.5	76.6	5.20	236.9	3.90	4.38	
1552	3.36	100	1/4	2.00	12.2	73.8	5.13	241.0	3.97	2.11	
1557	3.65	100	1/4	2.5	11.8	74.2	5.26	236.3	4.03	0.81	
1602	3.99	100	1/4	3	12.1	73.2	5.33	230.6	3.98	0.02	
1607	4.22	100	1/4	3.5	11.8	72.9	5.32	232.5	3.92	0.92	
					SF	16 15					

Notes:

Last Update: Sep 2005

Exhibit S

ATLAS

Well Sampling Form – Page 1 of 2

Site Name/Location: Morrissey Date: 6/3/25

Sample I.D.: MW-8 Collection Time _____

Sampling Sequence: 3 Of 4

Atlas Field Staff Collecting This Sample: AK

Climatic Conditions (Temp/Precip): 70° sunny

Depth To Product: — Feet Depth To Water: 1.33 Feet

Reference Point (TOC or other -Describe) TOC

Ref. Point Elev. Relative To Ground Surface (Use "+" For Aboveground, "–" For Belowground): — feet

Measurement Technique (WLM, IP or other -Describe) WLM

Presence/Absence Of NAPL And Detection Method: —

Total Depth Of Boring (Take Measurement After Sampling): 12.53

Well Yield: High ✓ Low _____ Pumped Dry? _____

Final Water Appearance (At Sample Collection) Clear ✓ Cloudy _____ Opaque _____

Sample Collected from (tubing, bailer, or other-describe) tubing

Submitted For Analysis By (Method or Methods): 8260, 8270

Field Test Results (HACH Kits):

Alkalinity: _____ Chloride: _____

Iron (II): _____ Sulfate: _____

Notes:

Some temps fluctuations due to sun

sun

Water bug in well

--USE REVERSE SIDE OF FORM FOR LOW FLOW SAMPLING PARAMETERS--

Last Update: Sep 2005

Exhibit S

Low-Flow Well Sampling Form – Page 2 of 2

Location: Morrissey Depth To 3 / 17 Of Screen (Below RP)

Well Id: MW-8 Top Bottom

Field Personnel: AK Pump Intake Depth: 11

Reference Point (RP – TOC or other-describe): TOC Pumping Device: Peri

Time (24 Hr)	Depth To Water (ft)	Purge Rate mL/min	Pump Speed	Cumulative Volume Purged	Temperature °C 3%	Specific Conductance (uS/cm) 3%	pH ±0.1	ORP / eH (mV) ±10	DO (Mg/L) 10 %	Turbidity (NTU) 10%	Comments
1357											
~~1355~~	1.58	200	1/3	0.3	11.5	108.9	5.51	199.8	5.27	5.48	
~~1402~~	1.82	~~200~~ 100	1/3	~~1.30.8~~	10.4	95.9	5.47	222.3	2.74	17.5	
1407	1.89	~~200~~ 100	1/3	1.3	10.8	95.3	5.47	228.9	2.52	26.3	
1412	1.93	100	1/3	1.8	10.8	109.0	5.61	224.1	2.56	25.5	
1417	1.87	100	1/3	2.3	10.5	95.4	5.44	235.5	2.49	26.0	
1422	1.88	100	1/3	2.8	10.6	130.2	5.39	239.2	2.52	27.5	
1427	1.85	100	1/3	3.3	10.7	132.3	5.51	230.9	2.61	19.7	
1432	1.85	100	1/3	3.8	10.6	99.5	5.55	231.6	2.52	19.5	
1437	1.86	100	1/3	4.3	10.3	96.7	5.36	241.4	2.56	15.0	
1442	1.88	100	1/3	4.8	10.0	94.1	5.36	243.7	2.41	15.2	
1447	1.90	100	1/3	5.3	10.2	96.5	5.51	225.0	2.44	12.7	

Notes:

new battery

1452	1.90	100	1/3	5.8	9.9	132.2	5.34	246.8	2.38	12.4	
1457	1.87	100	1/3	6.3	10.2	97.0	5.76	222.4	2.30	11.9	
1502	1.89	100	1/3	6.8	10.4	96.5	5.76	222.9	2.25	11.7	
1507	1.90	100	1/3	7.3	9.9	95.6	5.75	224.3	2.40	10.6	

Last Update: Sep 2005

ST 1515

Exhibit S

TURBIDITY METER CALIBRATION LOG

STRUMENT NAME: turbidimeter MODEL No.: 4

ERIAL No.: 18821643 DECAL No.: 6158 CHARGE No. 280EN01330

CALIBRATION DATE	CAL. STANDARD 1 - 0.10 AM / PM		CAL. STANDARD 2 - 20 AM / PM		CAL. STANDARD 3 - 100 AM / PM		SIGNATURE	CAL STANDARD 3 - 800 COMMENTS AM / PM	
6/3/25	0.02	0.09	20.1	19.5	97.6	96.8		819	800

Exhibit S

YSI MULTIPARAMETER METER

Serial No.: 18J 103082 Model No.: Pro+ Decal No.: 6508

Site Name: Morrissey Job No.: 280RM01330

Instrument is calibrated in accordance with Manufacturer's Instructions

DATE: 6/2/25	Pre Calibration Readings	Post Calibration Readings	PM Check	Calibration STDs (lot #'s)	Signature	Remarks
Cond. mS/cm 1260	54	1250	960	5GB1086		
pH=4.0	4.12	4.00	~~3.80~~	4G10445		
pH=7.0	7.04	7.00	~~6.87~~	6.75 4610915		← did this not save?
pH=10.0	9.85	10.00	~~9.55~~	9.60 4610913		
D.O. mg/l / %	102	99.8	104.6			
ORP mV 220	188	~~214.6~~ 219.9	229.1	5GB0185		
Temp C	18		14.5			
Baro. Press. mmHg	754		759.1			

DATE:						
Cond. mS/cm						
pH=4.0						
pH=7.0						
pH=10.0						
D.O mg/l / %						
ORP mV						
Temp C						
Baro. Press. mmHg						

Exhibit S

10/4/25 Morrissey Low Flow/DW 70's cloudy
AK 280E-no294 plot
On Site 0730

Checked in w/ homeowners

Post-system influent sys~~tem~~ sample -915

influent PID - 30.9

Well PID-0.0 DTW-11.21
DTB-16.08

Off Site 930-1010

All wells 0.0 PID except MW-5 - 0.2

MW-4 went dry

Sampled + took VOCs DUP MW-5

MW-7 went dry

MW-8 sampled, stable ~ 50 mins

grab samples from MW-4 + MW-7

Off Site 1540

AK

Scale: 1 square = _____

Rite in the Rain

Exhibit S

ATLAS

Well Sampling Form – Page 1 of 2

Site Name/Location: Morrissey Date: 8/4/25

Sample I.D.: MW-4 Collection Time 1515

Sampling Sequence: 1 Of _____

Atlas Field Staff Collecting This Sample: AK

Climatic Conditions (Temp/Precip): 20° sunny

Depth To Product: — Feet Depth To Water: 9.41 Feet

Reference Point (TOC or other -Describe) TOC

Ref. Point Elev. Relative To Ground Surface (Use "+" For Aboveground, "–" For Belowground): -0- feet

Measurement Technique (WLM, IP or other -Describe) WLM

Presence/Absence Of NAPL And Detection Method: —

Total Depth Of Boring (Take Measurement After Sampling): 12.60

Well Yield: High _____ Low _____ Pumped Dry? ✓

Final Water Appearance (At Sample Collection) Clear _____ Cloudy ✓ Opaque _____

Sample Collected from (tubing, bailer, or other-describe) tubing

Submitted For Analysis By (Method or Methods): 8260, 8270

Field Test Results (HACH Kits):

Alkalinity: _____ Chloride: _____

Iron (II): _____ Sulfate: _____

Notes: PID 0.0

–USE REVERSE SIDE OF FORM FOR LOW FLOW SAMPLING PARAMETERS–

Exhibit S

Low-Flow Well Sampling Form – Page 2 of 2

Location: Morrissey
Well Id: MW-4
Field Personnel: AK
Reference Point (RP – TOC or other-describe): TOC

Depth To Top of Screen (Below RP): 3 / 13
Bottom
Pump Intake Depth: 11.5 -> 12.5
Pumping Device: Peri

Time (24 Hr)	Depth To Water (ft)	Purge Rate mL/min	Pump Speed	Cumulative Volume Purged L	Temperature °C 3%	Specific Conductance (uS/cm) 3%	pH ±0.1	ORP / eH (mV) ±10	DO (Mg/L) 10 %	Turbidity (NTU) 10%	Comments
1050	9.75	100	1/4	0.5	12.4	~~80.7~~	5.60	89	0.92	4.21	
1055	10.17	100	1/4	1	12.0	74.0	5.33	100	0.53	4.01	
1100	10.41	~~100~~ 80	1/4	~~0~~ 1.4	12.4	75.5	5.33	96.6	0.89	3.71	
1105	10.68	80	1/4	1.8	12.5	75.1	5.39	94.8	0.76	3.66	
1110	11.05	80	1/4	~~2.0~~ 2.2	11.9	77.3	5.55	85.7	0.57	4.73	
1115	11.29	80	1/4	~~2.4~~ 2.6	12.3	86.5	5.66	78.0	0.86	3.96	dropped tubing 0.5ft
1120	11.45	80	1/4	~~3.0~~ 3.0	11.7	93.0	5.76	58.5	0.20	4.32	*
1125	11.62	80	1/4	~~4.5~~ 3.4	11.8	91.1	5.77	56.5	0.30	4.60	
1130	11.82	80	1/4	3.8	12.0	113.0	5.89	46.9	1.35	84.6	* dropped ~0.25
1135	12.15	80	1/4	4.2	11.7	118	5.95	38	1.50	35.0	
1140	12.30	~~80~~	1/4	4.6	12.8	~~116~~	600	54.0	2.73	71.8	* tubing to bottom

Notes:
* started going dry

1145	12.51	80	1/4	5.0	11.5	97.8	592	68.0

fully dry

Last Update: Sep 2005

Exhibit S

ATLAS

Well Sampling Form – Page 1 of 2

Site Name/Location: Morrissey Date: 8/4/25

Sample I.D.: MW-5 Collection Time 1300

Sampling Sequence: 2 Of _____

Atlas Field Staff Collecting This Sample: AK

Climatic Conditions (Temp/Precip): 70° sunny

Depth To Product: _____ Feet Depth To Water: 8.84 Feet

Reference Point (TOC or other -Describe) TOC

Ref. Point Elev. Relative To Ground Surface (Use "+" For Aboveground, "–" For Belowground): — feet

Measurement Technique (WLM, IP or other -Describe) WLM

Presence/Absence Of NAPL And Detection Method: —

Total Depth Of Boring (Take Measurement After Sampling): 12.60

Well Yield: High ~ Low _____ Pumped Dry? _____

Final Water Appearance (At Sample Collection) Clear ✓ Cloudy _____ Opaque _____

Sample Collected from (tubing, bailer, or other-describe) tubing

Submitted For Analysis By (Method or Methods): 8260, 8270

Field Test Results (HACH Kits):

Alkalinity: _____ Chloride: _____

Iron (II): _____ Sulfate: _____

Notes: DUP PLANNED HERE

--USE REVERSE SIDE OF FORM FOR LOW FLOW SAMPLING PARAMETERS--

Last Update: Sep 2005

Exhibit S

Low-Flow Well Sampling Form – Page 2 of 2

Location: Morrissey
Well Id: MW-5
Field Personnel: AK
Reference Point (RP – TOC or other-describe): TOC

Depth To ~~8~~ 3 / 12.60 ft Of Screen (Below RP)
Top / Bottom
Pump Intake Depth: 11.60
Pumping Device: Peri

Time (24 Hr)	Depth To Water (ft)	Purge Rate mL/min	Pump Speed	Cumulative Volume Purged	Temperature °C 3%	Specific Conductance (uS/cm) 3%	pH ±0.1	ORP / eH (mV) ±10	DO (Mg/L) 10 %	Turbidity (NTU) 10%	Comments
1155	~~8~~.98	100	1/4	0.5	12.8	97.1	6.08	103.5	5.48	0.50	
1200	9.30	100	1/4	1	12.3	86.7	5.87	150.7	4.45	2.69	
1205	9.41	100	1/4	1.5	12.3	89.7	5.71	191	4.56	3.27	
1210	9.45	100	1/4	2	12.3	110	5.50	224	4.61	5.99	
1215	9.49	100	1/4	2.5	12.2	118	5.56	230	4.19	4.23	
1220	9.51	100	1/4	3	12.0	139	5.50	240	3.74	2.37	
1225	~~1230~~ 9.53	100	1/4	3.5	12.2	149	5.50	244	3.50	2.28	
1230	9.57	100	1/4	4	12.0	155	5.49	249	3.40	4.15	
1235	9.55	100	1/4	4.5	12.1	158	5.48	253	3.35	3.93	
1240	9.50	100	1/4	5	12.3	166	5.49	257	3.30	0.02	
1245	9.48	100	1/4	5.5	12.4	168	5.49	259	3.36	1.88	
Notes: 1250	9.45	100	1/	6	12.4	164	5.49	262	3.32	3.62	

57 1300

Last Update: Sep 2005

Exhibit S

ATLAS

Well Sampling Form – Page 1 of 2

Site Name/Location: Morrissey Date: 8/4/25

Sample I.D.: MW-7 Collection Time 1530

Sampling Sequence: 3 Of 4

Atlas Field Staff Collecting This Sample: AR

Climatic Conditions (Temp/Precip): 80° sunny

Depth To Product: — Feet Depth To Water: 9.38 Feet

Reference Point (TOC or other -Describe) TOC

Ref. Point Elev. Relative To Ground Surface (Use "+" For Aboveground, "–" For Belowground): — feet

Measurement Technique (WLM, IP or other -Describe) WLM

Presence/Absence Of NAPL And Detection Method: —

Total Depth Of Boring (Take Measurement After Sampling): 11.05

Well Yield: High ____ Low ____ Pumped Dry? ✓

Final Water Appearance (At Sample Collection) Clear ____ Cloudy ~ Opaque ____

Sample Collected from (tubing, bailer, or other-describe) tubing

Submitted For Analysis By (Method or Methods): 8260, 8270

Field Test Results (HACH Kits):

Alkalinity: ____ Chloride: ____

Iron (II): ____ Sulfate: ____

Notes: went dry

--USE REVERSE SIDE OF FORM FOR LOW FLOW SAMPLING PARAMETERS--

Exhibit S

Low-Flow Well Sampling Form – Page 2 of 2

Location: Morrissey
Well Id: MW-5
Field Personnel: HK
Reference Point (RP – TOC or other-describe): TOC

Depth To Top / Bottom Of Screen (Below RP): 1.5 / 11.5
Pump Intake Depth: 10-11
Pumping Device: Peri

Time (24 Hr)	Depth To Water (ft)	Purge Rate mL/min	Pump Speed	Cumulative Volume Purged	Temperature °C 3%	Specific Conductance (uS/cm) 3%	pH ±0.1	ORP / eH (mV) ±10	DO (Mg/L) 10 %	Turbidity (NTU) 10%	Comments
1320	9.69	100	1/2	0.5	13.9	230	6.35	91	14.7	13.3	
1328	9.18	100	1/2	1.0	14.5	225	6.12	113	1.88	7.52	
1335	10.99	100	1/2	1.5	14.7	235	6.14	70.1	0.53	~~6.43~~ 25	went dry dropped tubing
1340					went dry						

Notes:

Last Update: Sep 2005

Exhibit S

ATLAS

Well Sampling Form – Page 1 of 2

Site Name/Location: Morrissey Date: 8/4/25

Sample I.D.: MW-8 Collection Time 1500

Sampling Sequence: 4 Of 4

Atlas Field Staff Collecting This Sample: AR

Climatic Conditions (Temp/Precip): 80° sunny

Depth To Product: _____ Feet Depth To Water: 9.28 Feet

Reference Point (TOC or other -Describe) TOC

Ref. Point Elev. Relative To Ground Surface (Use "+" For Aboveground, "–" For Belowground): _____ feet

Measurement Technique (WLM, IP or other -Describe) WLM

Presence/Absence Of NAPL And Detection Method: _____

Total Depth Of Boring (Take Measurement After Sampling): 12.52

Well Yield: High ✓ Low _____ Pumped Dry? _____

Final Water Appearance (At Sample Collection) Clear ✓ Cloudy _____ Opaque _____

Sample Collected from (tubing, bailer, or other-describe) Tubing

Submitted For Analysis By (Method or Methods): 8260, 8270

Field Test Results (HACH Kits):

Alkalinity: _____ Chloride: _____

Iron (II): _____ Sulfate: _____

Notes: _____

--USE REVERSE SIDE OF FORM FOR LOW FLOW SAMPLING PARAMETERS--

Last Update: Sep 2005

Exhibit S

Low-Flow Well Sampling Form – Page 2 of 2

Location: Morrissey
Well Id: MW-8
Field Personnel: AK
Reference Point (RP – TOC or other-describe): TOC

Depth To 3 / 13 Of Screen (Below RP)
Top Bottom
Pump Intake Depth: 11.5
Pumping Device: Peri

Time (24 Hr)	Depth To Water (ft)	Purge Rate mL/min)	Pump Speed	Cumulative Volume Purged	Temperature °C 3%	Specific Conductance (uS/cm) 3%	pH ±0.1	ORP / eH (mV) ±10	DO (Mg/L) 10 %	Turbidity (NTU) 10%	Comments
1355	9.60	100	3/4	0.5	14.3	135.8	5.92	158	3.89	19.9	
1400	9.75	100	3/4	1	14.2	136.2	5.76	188	3.81	18.4	
1405	9.83	100	3/4	1.5	14.3	135.9	5.73	195	3.30	22.7	
1410	9.83	100	3/4	2	14.3	135.5	5.75	196	2.80	14.8	
1415	9.85	100	3/4	2.5	13.8	135.0	5.78	195	2.80	11.6	
1420	9.87	100	3/4	3	14.1	134.6	5.81	193	2.49	11.9	
1425	9.87	100	3/4	3.5	13.9	134.1	5.84	189	2.32	11.1	
1430	9.88	100	3/4	4	13.8	133.5	5.85	186	2.16	12.8	
1435	9.87	100	3/4	4.5	13.7	132.8	5.87	184	1.97	10.6	
1440	9.89	100	3/4	5	13.3	132.6	5.87	182	1.97	7.23	
1445	9.91	100	3/4	5.5	13.4	132.1	5.86	182	1.82	7.82	
1450	9.94	100	3/4	6	13.2	131.2	5.87	182	1.81	6.87	

Notes:

ST 1500

Last Update: Sep 2005

Exhibit S

YSI MULTIPARAMETER METER

Serial No.: 24C104448 Model No.: ProQuatro Decal No.: 8415

Site Name: Morrissey Job No.: 280EM01294

Instrument is calibrated in accordance with Manufacturer's Instructions

DATE: 8/4/25	Pre Calibration Readings	Post Calibration Readings	PM Check	Calibration STDs (lot #s)	Signature	Remarks
Cond. µS/cm 1413	Calib by Geotech		1318	5GB1086		
pH=4.0			4.20	4GK0204		
pH=7.0			6.80	5G30488		
pH=10.0			9.63	4G10913		
D.O. mg/l / (%)			102.3	water		
ORP mV 220			218	~~no~~ ?		
Temp C			20.6			
Baro. Press. mmHg			755.5			

DATE:						
Cond. µS/cm						
pH=4.0						
pH=7.0						
pH=10.0						
D.O mg/l / %						
ORP mV						
Temp C						
Baro. Press. mmHg						

Exhibit S

TURBIDITY METER CALIBRATION LOG

STRUMENT NAME: turbidimeter MODEL No.:

RIAL No.: 23074899 DECAL No.: 8252 CHARGE No. 280EM01294

CALIBRATION DATE	CAL. STANDARD 1 - 0.10 AM / PM		CAL. STANDARD 2 - 20 AM / PM		CAL. STANDARD 3 - 100 AM / PM		SIGNATURE	CAL STANDARD 3-800 ~~CONTINUED~~ AM / PM
8/4/25		0.09		20.3		98.9		802
AM calibration								

Exhibit S

Morrissey Residence 280EM01330 10/2/25

AK On Site 9:25

Checked in w/ Sam, taking DWS first

Pump was on on arrival, purged ≈2L -> 3-5 minutes, sampled Eff -> Mid -> Inf

Well sample DTW-11.50
DTW taken @ inner lip of well DUP Here grab sample

1115 - MW-7 went dry

1320 - Sampled MW-8 good recharge, took almost 2 hrs of to stabilize

1505 - Sampled MW-5, good recharge, DO kept jumping

1545 - MW-4 went dry

1600 - grab sample MW-7

1610 - grab MW-4

Off Site 1620

AK

Scale: 1 square = _____

Exhibit S

ATLAS

Well Sampling Form – Page 1 of 2

Site Name/Location: Morrissey Date: 10/2/25

Sample I.D.: MW-4 Collection Time: 1610

Sampling Sequence: 4 Of _____

Atlas Field Staff Collecting This Sample: AK

Climatic Conditions (Temp/Precip): 65° sunny

Depth To Product: ~ Feet Depth To Water: 10.16 Feet

Reference Point (TOC or other -Describe) TOC

Ref. Point Elev. Relative To Ground Surface (Use "+" For Aboveground, "–" For Belowground): -0.40 feet

Measurement Technique (WLM, IP or other -Describe) WLM

Presence/Absence Of NAPL And Detection Method: —

Total Depth Of Boring (Take Measurement After Sampling): 12.60

Well Yield: High _____ Low _____ Pumped Dry? ~

Final Water Appearance (At Sample Collection) Clear ~ Cloudy _____ Opaque _____

Sample Collected from (tubing, bailer, or other-describe) tubing

Submitted For Analysis By (Method or Methods): 8260

Field Test Results (HACH Kits):

Alkalinity: _____ Chloride: _____

Iron (II): _____ Sulfate: _____

Notes: _____

--USE REVERSE SIDE OF FORM FOR LOW FLOW SAMPLING PARAMETERS--

Last Update: Sep 2005

Exhibit S

Low-Flow Well Sampling Form – Page 2 of 2

Location: Morrissey
Well Id: MW-4
Field Personnel: AK
Reference Point (RP – TOC or other-describe): TOC

Depth To Top 7 / Bottom 12.6 Of Screen (Below RP)
Pump Intake Depth: 11
Pumping Device: Peri

Time (24 Hr)	Depth To Water (ft)	Purge Rate mL/min)	Pump Speed	Cumulative Volume Purged	Temperature °C 3%	Specific Conductance (uS/cm) 3%	pH ±0.1	ORP / eH (mV) ±10	DO (Mg/L) 10 %	Turbidity (NTU) 10%	Comments
1520	10.45	100	1/3	0.25	13.6	92.7	5.63	-142	5.57	12.7	
1525	10.90	100	1/3	0.75	13.8	84.4	5.60	-97	5.75	13.0	dropped tubing
1530	11.18	100	1/3	1.25	12.8	90.5	5.88	-117	3.50	13.3	
1535	11.50	100	1/3	1.75	12.5	125.4	5.91	-138	0.76	38.1	dropped tubing
1540	11.92	100	1/3	2.25	12.4	111.9	5.87	-138	~~0.64~~	55.3	1.6400.
1545	12.32	100	1/3	2.75	13.1	128.8	6.06	-125	4.09	53.8	dropped tubing
					went dry						

Notes:

Last Update: Sep 2005

Exhibit S

ATLAS

Well Sampling Form – Page 1 of 2

Site Name/Location: Morrissey Date: 10/2/25

Sample I.D.: MW-6 Collection Time 1505

Sampling Sequence: 3 Of _____

Atlas Field Staff Collecting This Sample: AK

Climatic Conditions (Temp/Precip): 68° sunny

Depth To Product: — Feet Depth To Water: 9.60 Feet

Reference Point (TOC or other -Describe) TOC

Ref. Point Elev. Relative To Ground Surface (Use "+" For Aboveground, "–" For Belowground): -0.45 feet

Measurement Technique (WLM, IP or other -Describe) WLM

Presence/Absence Of NAPL And Detection Method: —

Total Depth Of Boring (Take Measurement After Sampling): 12.65

Well Yield: High ✓ Low _____ Pumped Dry? _____

Final Water Appearance (At Sample Collection) Clear ✓ Cloudy _____ Opaque _____

Sample Collected from (tubing, bailer, or other-describe) tubing

Submitted For Analysis By (Method or Methods): 8260

Field Test Results (HACH Kits):

Alkalinity: _____ Chloride: _____

Iron (II): _____ Sulfate: _____

Notes: _____

--USE REVERSE SIDE OF FORM FOR LOW FLOW SAMPLING PARAMETERS--

Exhibit S

Low-Flow Well Sampling Form – Page 2 of 2

Location: Morrissey
Well Id: MW-5
Field Personnel: AK
Reference Point (RP – TOC or other-describe): TOC

Depth To Top 7 / Bottom 12.5 Of Screen (Below RP)
Pump Intake Depth: 11
Pumping Device: Peri

Time (24 Hr)	Depth To Water (ft)	Purge Rate mL/min)	Pump Speed	Cumulative Volume Purged	Temperature °C 3%	Specific Conductance (uS/cm) 3%	pH ±0.1	ORP / eH (mV) ±10	DO (Mg/L) 10 %	Turbidity (NTU) 10%	Comments
1340	9.95	100	1/2	0.25	12.6	234.4	5.33	-54.4	2.44	13.9	
1345	10.20	100	1/2	0.75	12.5	226.5	5.35	-63.0	2.84	14.8	
1350	10.30	100	1/2	1.25	12.4	219.5	5.39	-60.0	2.86	19.5	
1355	10.35	100	1/2	1.75	12.4	229.8	5.36	-63.4	2.32	9.87	
1400	10.32	100	1/2	2.25	12.4	248.1	5.31	-62.7	1.75	6.07	
1410	10.45	100	1/2	3.25	12.4	234.0	5.33	-78.5	2.22	4.18	
1415	10.40	100	1/2	3.75	12.3	239.0	5.32	-85	1.95	4.26	
1420	10.39	100	1/2	4.25	12.7	247.0	5.31	-78	1.69	2.75	
1425	10.36	100	1/2	4.75	12.8	238.6	5.32	-63	2.01	2.89	
1430	10.28	100	1/2	5.25	13.0	247.2	5.31	-53	1.67	2.26	
1435	10.25	100	1/2	5.75	13.0	246.1	5.31	-57	1.62	2.19	
Notes:											
1440	10.22	100	1/2	6.75	12.8	240.3	5.30	-53	1.87	2.80	
1450	10.25	100	1/2	7.25	12.6	239.5	5.30	-49	2.09	3.21	
1455	10.28	100	1/2	7.75	12.4	230.0	5.32	-50	2.08	4.75	
1500	10.30	100	1/2	8.25	12.6	228.2	5.34	-48	2.23	3.67	

1.1
1.87
+.18
2.05

Last Update: Sep 2005

ST 1505

Exhibit S

ATLAS

Well Sampling Form – Page 1 of 2

Site Name/Location: Morrissey Date: 10/2/25

Sample I.D.: MW-7 Collection Time 1600

Sampling Sequence: 1 Of 4

Atlas Field Staff Collecting This Sample: AK

Climatic Conditions (Temp/Precip): 60° sunny

Depth To Product: — Feet Depth To Water: 9.58 Feet

Reference Point (TOC or other -Describe) TOC

Ref. Point Elev. Relative To Ground Surface (Use "+" For Aboveground, "–" For Belowground): 0.3 feet

Measurement Technique (WLM, IP or other -Describe) WLM

Presence/Absence Of NAPL And Detection Method: —

Total Depth Of Boring (Take Measurement After Sampling): 11.05

Well Yield: High____ Low____ Pumped Dry? ✓

Final Water Appearance (At Sample Collection) Clear ✓ Cloudy____ Opaque____

Sample Collected from (tubing, bailer, or other-describe) tubing

Submitted For Analysis By (Method or Methods): 8260

Field Test Results (HACH Kits):

Alkalinity: ____ Chloride: ____

Iron (II): ____ Sulfate: ____

Notes: ____

--USE REVERSE SIDE OF FORM FOR LOW FLOW SAMPLING PARAMETERS--

Exhibit S

Low-Flow Well Sampling Form – Page 2 of 2

Location: Morrissey
Well Id: MW-7
Field Personnel: AK
Reference Point (RP – TOC or other-describe): TOC

Depth To 6 to 11 Of Screen (Below RP)
Top Bottom
Pump Intake Depth: 10.5
Pumping Device: Peri

Time (24 Hr)	Depth To Water (ft)	Purge Rate mL/min)	Pump Speed	Cumulative Volume Purged	Temperature °C 3%	Specific Conductance (uS/cm) 3%	pH ±0.1	ORP / eH (mV) ±10	DO (Mg/L) 10 %	Turbidity (NTU) 10%	Comments
1050	9.95	100	1/3	0.75	12.6	213.6	6.09	72.6	4.96	31.1	
255	19.23	100	1/3	1.25	12.5	219.2	6.20	67.2	2.32	19.8	
1100	10.52	100	1/3	1.75	12.5	209.4	6.24	59.6	2.75	36.7	
1105	10.86	100	1/3	2.25	12.6	222.4	6.35	29.6	2.36		battery died
1115											
					went dry						

Notes:

OTD 11.05

Last Update: Sep 2005

Exhibit S

ATLAS

Well Sampling Form – Page 1 of 2

Site Name/Location: Morrissey Date: 10/2/25

Sample I.D.: MW-8 Collection Time

Sampling Sequence: 2 Of

Atlas Field Staff Collecting This Sample: 60° sunny

Climatic Conditions (Temp/Precip):

Depth To Product: > Feet Depth To Water: 9.89 Feet

Reference Point (TOC or other -Describe) TOC

Ref. Point Elev. Relative To Ground Surface (Use "+" For Aboveground, "–" For Belowground): -0.5 feet

Measurement Technique (WLM, IP or other -Describe) WLM

Presence/Absence Of NAPL And Detection Method: —

Total Depth Of Boring (Take Measurement After Sampling): 12.55

Well Yield: High ✓ Low Pumped Dry?

Final Water Appearance (At Sample Collection) Clear ✓ Cloudy Opaque

Sample Collected from (tubing, bailer, or other-describe) tubing

Submitted For Analysis By (Method or Methods): 8260

Field Test Results (HACH Kits):

Alkalinity: Chloride:

Iron (II): Sulfate:

Notes:

--USE REVERSE SIDE OF FORM FOR LOW FLOW SAMPLING PARAMETERS--

Last Update: Sep 2005

Exhibit S

pg 7

Low-Flow Well Sampling Form – Page 2 of 2

Location: Morrissey
Well Id: MW-8
Field Personnel: AK
Reference Point (RP – TOC or other-describe): TOC

Depth To Top / Bottom Of Screen (Below RP): 7 / 12.5
Pump Intake Depth: 11
Pumping Device: Peri.

Time (24 Hr)	Depth To Water (ft)	Purge Rate mL/min)	Pump Speed	Cumulative Volume Purged	Temperature °C 3%	Specific Conductance (uS/cm) 3%	pH ±0.1	ORP / eH (mV) ±10	DO (Mg/L) 10 %	Turbidity (NTU) 10%	Comments
1130	10.17	100	1/3	0.5	14.3	131.7	5.95	-76.3	5.26	56.3	
1135	10.43	100	1/3	1	13.7	129.2	5.79	32.9	4.54	57.0	
1140	10.48	100	1/3	1.5	13.7	124.7	5.79	42.3	3.37	52.6	
1145	10.55	100	1/3	2	13.8	119.2	5.77	48.3	2.66	44.2	
1150	10.48	100	1/3	2.5	14.0	116.8	5.80	27.0	2.27	44.2	
1155	10.50	100	1/3	3	13.8	113.2	5.73	37.2	1.70	40.7	
1200	10.62	100	1/3	3.5	14.2	113.3	5.73	-53.2	2.06	34.5	
1205	10.67	100	1/3	4	13.8	112.2	5.69	-66.5	1.91	30.4	
1210	10.72	100	1/2	4.5	13.7	112.1	5.70	~~-32.6~~	2.00	23.2	red read wrong number ORP -60.2
1220	10.75	100	1/2	5.5	13.7	109.3	5.69	-137.5	1.65	21.8	
1225	10.62	100	1/2	6	14.0	106.1	5.68	-140.0	1.34	12.2	
Notes:											
1230	10.61	100	1/2	6.5	13.9	107.4	5.67	-132.8	1.51	13.5	
1235	10.68	100	1/2	7	13.5	108.7	5.67	-126	1.69	12.0	
1240	10.66	100	1/2	7.5	13.7	107.1	5.67	-121	1.52	11.2	
1245	10.68	100	1/2	8	13.6	108.3	5.66	-116	1.60	8.95	
1250	10.72	100	1/2	8.5	13.6	107.8	5.67	-108	1.72	9.69	
1255	10.65	100	1/2	9	13.7	106.4	5.67	-108	1.49	9.55	

Last Update: Sep 2005

Exhibit S

ATLAS

Well Sampling Form – Page 1 of 2

Site Name/Location: AAA Morrissey Date: 10/2/25

Sample I.D.: MW-8 pg 2 Collection Time _____

Sampling Sequence: 2 Of _____

Atlas Field Staff Collecting This Sample: AK

Climatic Conditions (Temp/Precip): 60° sunny

Depth To Product: — Feet Depth To Water: 9.84 Feet

Reference Point (TOC or other -Describe) TOC

Ref. Point Elev. Relative To Ground Surface (Use "+" For Aboveground, "–" For Belowground): -0.5 feet

Measurement Technique (WLM, IP or other -Describe) WLM

Presence/Absence Of NAPL And Detection Method: —

Total Depth Of Boring (Take Measurement After Sampling): 12.05

Well Yield: High ✓ Low _____ Pumped Dry? _____

Final Water Appearance (At Sample Collection) Clear ✓ Cloudy _____ Opaque _____

Sample Collected from (tubing, bailer, or other-describe) tubing

Submitted For Analysis By (Method or Methods): 8260

Field Test Results (HACH Kits):

Alkalinity: _____ Chloride: _____

Iron (II): _____ Sulfate: _____

Notes: _____

page 2

--USE REVERSE SIDE OF FORM FOR LOW FLOW SAMPLING PARAMETERS--

Last Update: Sep 2005

Exhibit S

pg 2

Low-Flow Well Sampling Form – Page 2 of 2

Location: Morrissey

Well Id: mw-8

Field Personnel: AK

Reference Point (RP – TOC or other-describe): TOC

Depth To Top 7 / Bottom 12.85 Of Screen (Below RP)

Pump Intake Depth: 11

Pumping Device: Peri

Time (24 Hr)	Depth To Water (ft)	Purge Rate mL/min)	Pump Speed	Cumulative Volume Purged	Temperature °C 3%	Specific Conductance (uS/cm) 3%	pH ±0.1	ORP / eH (mV) ±10	DO (Mg/L) 10 %	Turbidity (NTU) 10%	Comments
1300	10.65	100	1/2	9.5	13.7	105.9	5.66	-104.4	1.51	5.04	
1305	10.66	100	1/2	10	13.6	105.9	5.66	-101.2	1.52	6.08	
1310	10.67	100	1/2	10.5	13.8	106.7	5.67	-96.9	1.67	6.69	
1315	10.62	100	1/2	11	13.7	106.0	5.69	-93.8	1.59	6.57	
						ST	1320				

Notes:

Last Update: Sep 2005

Exhibit S

TURBIDITY METER CALIBRATION LOG

STRUMENT NAME: geotech turbidimeter MODEL No.:

:RIAL No.: 23064752 DECAL No.: 8162

CHARGE No. 280E0133C

CALIBRATION DATE	CAL. STANDARD 1 - 0.10 AM / PM		CAL. STANDARD 2 - 20 AM / PM		CAL. STANDARD 3 - 100 AM / PM		SIGNATURE	CAL STANDARD 3 - 800 AM / PM	
10/2/25	~~0.02~~	0.02		19.9		100			807
							geotech AM cal		

Exhibit S

YSI MULTIPARAMETER METER

Serial No.: 12E100170 Model No.: Pro+ Decal No.: 1651

Site Name: Morrissey Job No.: 2801En01110

Instrument is calibrated in accordance with Manufacturer's Instructions

DATE	Pre Calibration Readings	Post Calibration Readings	PM Check	Calibration STDs (lot #'s)	Signature	Remarks
Cond. µS/cm @ 20°	cyclean & M.cal		1319	5GE0882		
pH=4.0			4.05	4GK0204		
pH=7.0			6.98	5GB0488		
pH=10.0			10.06	5GD0887		
D.O. mg/l / %			99.5			
ORP mV			219.1	4GL0167		
Temp C			19.8			
Baro. Press. mmHg			761.4			

DATE						
Cond. µS/cm						
pH=4.0						
pH=7.0						
pH=10.0						
D.O mg/l / %						
ORP mV						
Temp C						
Baro. Press. mmHg						

Exhibit S

APPENDIX B

PHOTOGRAPHS

Exhibit S

Atlas Technical Consultants, LLC
51 Knight Lane
Williston, VT 04595

PHOTOGRAPHS

Client Name:	Site Location:	Atlas Project #:
VTDEC	*Morrissey Residence* *1006 Jerusalem Road* *Bristol, VT*	*280EM01330*

Photograph #1

Description:

Completed POET, installed December 2024.



Photograph #2

Description:

General Site photo, looking at private supply well riser proximal to the house (looking north).



Exhibit S

Atlas Technical Consultants, LLC
51 Knight Lane
Williston, VT 04595

PHOTOGRAPHS

Client Name:	Site Location:	Atlas Project #:
VTDEC	*Morrissey Residence* *1006 Jerusalem Road* *Bristol, VT*	*280EM01330*

Photograph #3 **Description:** *Neighboring property to the east / upgradient.*	
Photograph #4 **Description:** *MW-4, facing east*	

Exhibit S

Atlas Technical Consultants, LLC
51 Knight Lane
Williston, VT 04595

PHOTOGRAPHS

Client Name:	Site Location:	Atlas Project #:
VTDEC	*Morrissey Residence* *1006 Jerusalem Road* *Bristol, VT*	*280EM01330*

Photograph #5

Description:

MW-5, facing east



Photograph #6

Description:

MW-7, facing east-northeast



Exhibit S

Atlas Technical Consultants, LLC 51 Knight Lane Williston, VT 04595	**PHOTOGRAPHS**	
Client Name: *VTDEC*	**Site Location:** *Morrissey Residence* *1006 Jerusalem Road* *Bristol, VT*	**Atlas Project #:** *280EM01330*

Photograph #7 **Description:** *MW-8, facing east-southeast*	
Photograph #8 **Description:** *Looking inside the supply well riser during high water table period, 3/17/2025*	

Exhibit S

Atlas Technical Consultants, LLC
51 Knight Lane
Williston, VT 04595

PHOTOGRAPHS

Client Name:	Site Location:	Atlas Project #:
VTDEC	*Morrissey Residence* *1006 Jerusalem Road* *Bristol, VT*	*280EM01330*

Photograph #9

Description:

Standing surface water during spring melt, 3/17/2025. Water could be seen flowing southwest (overland flow).



Photograph #10

Description:

Shallow gravel well with concrete riser at 178 Harlow Drive.



Exhibit S

Atlas Technical Consultants, LLC
51 Knight Lane
Williston, VT 04595

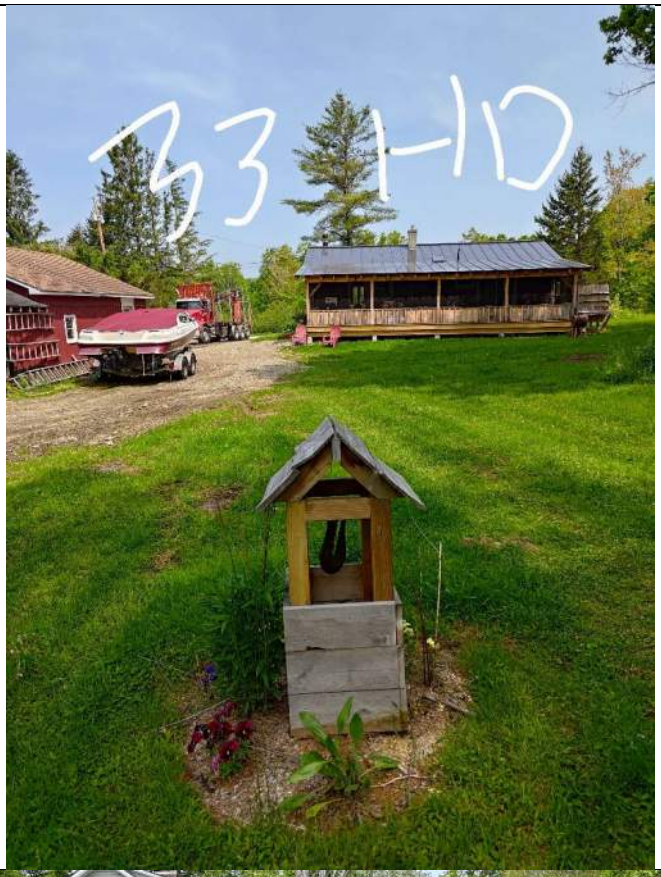
PHOTOGRAPHS

Client Name:	Site Location:	Atlas Project #:
VTDEC	*Morrissey Residence* *1006 Jerusalem Road* *Bristol, VT*	*280EM01330*

Photograph #11

Description:

Drilled bedrock well (inside well house) at 33 Harlow Drive.



Photograph #12

Description:

Drilled bedrock well at 1145 Jerusalem Rd., looking toward house.



Exhibit S

Atlas Technical Consultants, LLC 51 Knight Lane Williston, VT 04595	**PHOTOGRAPHS**	
Client Name: *VTDEC*	**Site Location:** *Morrissey Residence* *1006 Jerusalem Road* *Bristol, VT*	**Atlas Project #:** *280EM01330*

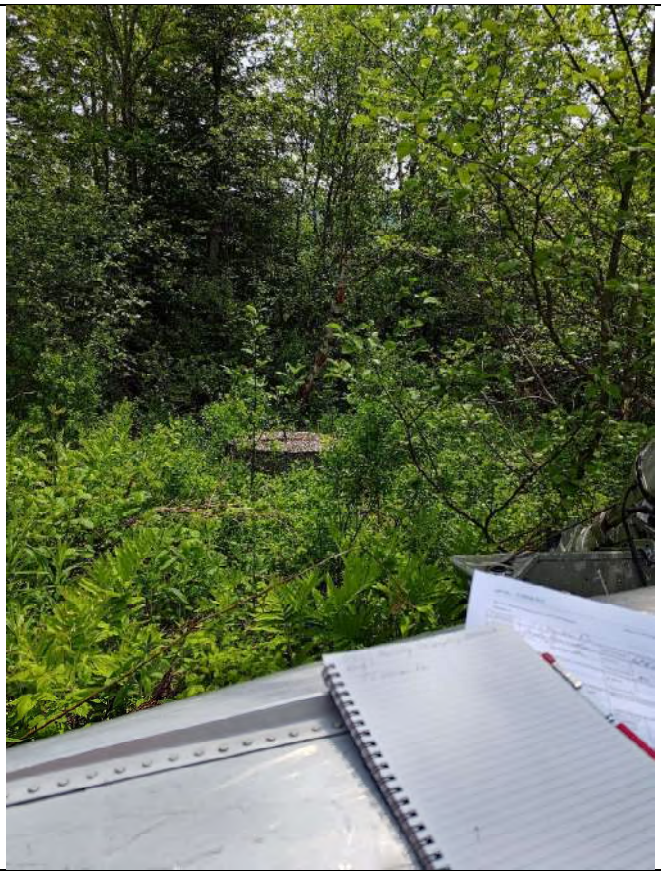
Photograph #13	
Description: *Shallow gravel well with concrete riser at 77 Harlow Drive.*	

Exhibit S

APPENDIX C

LABORATORY ANALYTICAL REPORTS

Exhibit S

Pace Analytical Services, LLC - East Longmeadow, Ma

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

May 16, 2025

Jo Palmer
Atlas Technical Consultants - Vermont
51 Knight Lane, PO Box 1486
Williston, VT 05495

Project Location: Bristol, VT
Client Job Number:
Project Number: 280EM01394
Laboratory Work Order Number: 25E1183

Enclosed are results of analyses for samples as received by the laboratory on May 14, 2025. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Rebecca Faust
Project Manager

Exhibit S

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Pace Analytical Services, LLC - East Longmeadow, Ma

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

Atlas Technical Consultants - Vermont
51 Knight Lane, PO Box 1486
Williston, VT 05495
ATTN: Jo Palmer

REPORT DATE: 5/16/2025

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 280EM01394

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 25E1183

The results of analyses performed on the following samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, are found in this report.

PROJECT LOCATION: Bristol, VT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SB-2 (10)	25E1183-01	Soil		SM 2540G	
				SW-846 8260D	
SB-3 (10)	25E1183-02	Soil		SM 2540G	
				SW-846 8260D	
SB-4 (11)	25E1183-03	Soil		SM 2540G	
				SW-846 8260D	
SB-5 (12.5)	25E1183-04	Soil		SM 2540G	
				SW-846 8260D	
SB-6 (10)	25E1183-05	Soil		SM 2540G	
				SW-846 8260D	
SB-7 (10)	25E1183-06	Soil		SM 2540G	
				SW-846 8260D	
SB-8 (10)	25E1183-07	Soil		SM 2540G	
				SW-846 8260D	

Pace Analytical Services, LLC - East Longmeadow, Ma

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

CASE NARRATIVE SUMMARY

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

Pace Analytical Services, LLC - East Longmeadow, Ma

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

SM 2540G

Qualifications:

H-03

Sample received after recommended holding time was exceeded.

Analyte & Samples(s) Qualified:

% Solids

25E1183-01[SB-2 (10)], 25E1183-02[SB-3 (10)], 25E1183-03[SB-4 (11)], 25E1183-04[SB-5 (12.5)], 25E1183-05[SB-6 (10)], 25E1183-06[SB-7 (10)], 25E1183-07[SB-8 (10)]

SW-846 8260D

Qualifications:

L-02

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

Analyte & Samples(s) Qualified:

Tetrahydrofuran

B405220-BS1, B405220-BSD1

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

Carbon Disulfide

B405220-BS1

Vinyl Chloride

B405220-BS1

R-05

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

Analyte & Samples(s) Qualified:

1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)

25E1183-01[SB-2 (10)], 25E1183-02[SB-3 (10)], 25E1183-03[SB-4 (11)], 25E1183-04[SB-5 (12.5)], 25E1183-05[SB-6 (10)], 25E1183-06[SB-7 (10)], 25E1183-07[SB-8 (10)], B405220-BLK1, B405220-BS1, B405220-BSD1

Trichlorofluoromethane (Freon 11)

25E1183-01[SB-2 (10)], 25E1183-02[SB-3 (10)], 25E1183-03[SB-4 (11)], 25E1183-04[SB-5 (12.5)], 25E1183-05[SB-6 (10)], 25E1183-06[SB-7 (10)], 25E1183-07[SB-8 (10)], B405220-BLK1, B405220-BS1, B405220-BSD1

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

Chloroethane

25E1183-01[SB-2 (10)], 25E1183-02[SB-3 (10)], 25E1183-03[SB-4 (11)], 25E1183-04[SB-5 (12.5)], 25E1183-05[SB-6 (10)], 25E1183-06[SB-7 (10)], 25E1183-07[SB-8 (10)], B405220-BLK1, B405220-BS1, B405220-BSD1, S121517-CCV1

V-20

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

Analyte & Samples(s) Qualified:

Acrylonitrile

B405220-BS1, B405220-BSD1, S121517-CCV1

Carbon Disulfide

B405220-BS1, B405220-BSD1, S121517-CCV1

Dichlorodifluoromethane (Freon 12)

B405220-BS1, B405220-BSD1, S121517-CCV1

Tetrahydrofuran

B405220-BS1, B405220-BSD1, S121517-CCV1

Exhibit S

Pace Analytical Services, LLC - East Longmeadow, Ma

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

V-36

Initial calibration verification (ICV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

2-Butanone (MEK)
B405220-BS1, B405220-BSD1, S121517-CCV1

Acetone
B405220-BS1, B405220-BSD1, S121517-CCV1

Bromobenzene
B405220-BS1, B405220-BSD1, S121517-CCV1

Dichlorodifluoromethane (Freon 12)
B405220-BS1, B405220-BSD1, S121517-CCV1

Hexachlorobutadiene
B405220-BS1, B405220-BSD1, S121517-CCV1

p-Isopropyltoluene (p-Cymene)
B405220-BS1, B405220-BSD1, S121517-CCV1

The results of analyses reported only relate to samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25E1183

Date Received: 5/14/2025

Field Sample #: SB-2 (10) | Sampled: 5/5/2025 09:45

Sample ID: 25E1183-01

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.051	0.0067	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
Acrylonitrile	ND	0.0051	0.00052	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00051	0.00047	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
Benzene	ND	0.0010	0.00036	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
Bromobenzene	ND	0.0010	0.00037	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
Bromochloromethane	ND	0.0010	0.00050	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
Bromodichloromethane	ND	0.0010	0.00034	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
Bromoform	ND	0.0010	0.00058	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
Bromomethane	ND	0.0051	0.00078	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
2-Butanone (MEK)	ND	0.020	0.0044	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
tert-Butyl Alcohol (TBA)	ND	0.051	0.019	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
n-Butylbenzene	ND	0.0010	0.00034	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
sec-Butylbenzene	ND	0.0010	0.00037	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
tert-Butylbenzene	ND	0.0010	0.00034	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00051	0.00040	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
Carbon Disulfide	ND	0.010	0.0062	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
Carbon Tetrachloride	ND	0.0010	0.00041	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
Chlorobenzene	ND	0.0010	0.00035	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
Chlorodibromomethane	ND	0.00051	0.00046	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
Chloroethane	ND	0.010	0.00072	mg/Kg dry	1	V-05	SW-846 8260D	5/15/25	5/15/25 14:41	MFF
Chloroform	ND	0.0020	0.00033	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
Chloromethane	ND	0.0051	0.00069	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
2-Chlorotoluene	ND	0.0010	0.00030	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
4-Chlorotoluene	ND	0.0010	0.00034	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0010	0.00042	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
1,2-Dibromoethane (EDB)	ND	0.00051	0.00036	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
Dibromomethane	ND	0.0010	0.00030	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
1,2-Dichlorobenzene	ND	0.0010	0.00031	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
1,3-Dichlorobenzene	ND	0.0010	0.00030	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
1,4-Dichlorobenzene	ND	0.0010	0.00031	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
trans-1,4-Dichloro-2-butene	ND	0.0020	0.00041	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.010	0.00057	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
1,1-Dichloroethane	ND	0.0010	0.00031	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
1,2-Dichloroethane	ND	0.0010	0.00036	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
1,1-Dichloroethylene	ND	0.0020	0.00048	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
cis-1,2-Dichloroethylene	ND	0.0010	0.00036	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
trans-1,2-Dichloroethylene	ND	0.0010	0.00032	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
1,2-Dichloropropane	ND	0.0010	0.00033	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
1,3-Dichloropropane	ND	0.00051	0.00031	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
2,2-Dichloropropane	ND	0.0010	0.00042	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
1,1-Dichloropropene	ND	0.0010	0.00044	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
cis-1,3-Dichloropropene	ND	0.00051	0.00044	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
trans-1,3-Dichloropropene	ND	0.00051	0.00041	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
Diethyl Ether	ND	0.010	0.00056	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25E1183

Date Received: 5/14/2025

Field Sample #: SB-2 (10) | Sampled: 5/5/2025 09:45

Sample ID: 25E1183-01

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.00051	0.00047	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
1,4-Dioxane	ND	0.051	0.021	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
Ethylbenzene	ND	0.0010	0.00028	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
Hexachlorobutadiene	ND	0.0010	0.00038	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
2-Hexanone (MBK)	ND	0.010	0.0040	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
Isopropylbenzene (Cumene)	ND	0.0010	0.00033	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0010	0.00031	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
Methyl Acetate	ND	0.0010	0.00067	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0020	0.00040	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
Methyl Cyclohexane	ND	0.0010	0.00035	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
Methylene Chloride	ND	0.010	0.00036	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.010	0.0049	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
Naphthalene	ND	0.0020	0.00051	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
n-Propylbenzene	ND	0.0010	0.00033	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
Styrene	ND	0.0010	0.00032	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
1,1,1,2-Tetrachloroethane	ND	0.0010	0.00041	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
1,1,2,2-Tetrachloroethane	ND	0.00051	0.00046	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
Tetrachloroethylene	ND	0.0010	0.00042	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
Tetrahydrofuran	ND	0.0051	0.0021	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
Toluene	ND	0.0010	0.00028	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
1,2,3-Trichlorobenzene	ND	0.0010	0.00040	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
1,2,4-Trichlorobenzene	ND	0.0010	0.00033	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
1,3,5-Trichlorobenzene	ND	0.0010	0.00033	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
1,1,1-Trichloroethane	ND	0.0010	0.00036	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
1,1,2-Trichloroethane	ND	0.0010	0.00027	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
Trichloroethylene	ND	0.0010	0.00033	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0051	0.00068	mg/Kg dry	1	R-05	SW-846 8260D	5/15/25	5/15/25 14:41	MFF
1,2,3-Trichloropropane	ND	0.0010	0.00046	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0051	0.00058	mg/Kg dry	1	R-05	SW-846 8260D	5/15/25	5/15/25 14:41	MFF
1,2,4-Trimethylbenzene	ND	0.0010	0.00043	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
1,3,5-Trimethylbenzene	ND	0.0010	0.00037	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
Vinyl Chloride	ND	0.0051	0.00041	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
m+p Xylene	ND	0.0020	0.00054	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF
o-Xylene	ND	0.0010	0.00030	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 14:41	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	100	70-130		5/15/25 14:41
Toluene-d8	103	70-130		5/15/25 14:41
4-Bromofluorobenzene	95.2	70-130		5/15/25 14:41

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25E1183

Date Received: 5/14/2025

Field Sample #: SB-2 (10) | Sampled: 5/5/2025 09:45

Sample ID: 25E1183-01

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	77.0		% Wt	1	H-03	SM 2540G	5/15/25	5/15/25 10:12	ANR

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25E1183

Date Received: 5/14/2025

Field Sample #: SB-3 (10) | Sampled: 5/5/2025 10:05

Sample ID: 25E1183-02

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.067	0.0089	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
Acrylonitrile	ND	0.0067	0.00069	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00067	0.00062	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
Benzene	ND	0.0013	0.00048	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
Bromobenzene	ND	0.0013	0.00049	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
Bromochloromethane	ND	0.0013	0.00066	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
Bromodichloromethane	ND	0.0013	0.00046	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
Bromoform	ND	0.0013	0.00077	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
Bromomethane	ND	0.0067	0.0010	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
2-Butanone (MEK)	ND	0.027	0.0058	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
tert-Butyl Alcohol (TBA)	ND	0.067	0.024	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
n-Butylbenzene	ND	0.0013	0.00046	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
sec-Butylbenzene	ND	0.0013	0.00049	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
tert-Butylbenzene	ND	0.0013	0.00045	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00067	0.00053	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
Carbon Disulfide	ND	0.013	0.0082	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
Carbon Tetrachloride	ND	0.0013	0.00054	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
Chlorobenzene	ND	0.0013	0.00046	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
Chlorodibromomethane	ND	0.00067	0.00061	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
Chloroethane	ND	0.013	0.00096	mg/Kg dry	1	V-05	SW-846 8260D	5/15/25	5/15/25 15:06	MFF
Chloroform	ND	0.0027	0.00044	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
Chloromethane	ND	0.0067	0.00091	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
2-Chlorotoluene	ND	0.0013	0.00040	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
4-Chlorotoluene	ND	0.0013	0.00046	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0013	0.00056	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
1,2-Dibromoethane (EDB)	ND	0.00067	0.00048	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
Dibromomethane	ND	0.0013	0.00040	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
1,2-Dichlorobenzene	ND	0.0013	0.00041	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
1,3-Dichlorobenzene	ND	0.0013	0.00040	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
1,4-Dichlorobenzene	ND	0.0013	0.00040	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
trans-1,4-Dichloro-2-butene	ND	0.0027	0.00054	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.013	0.00076	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
1,1-Dichloroethane	ND	0.0013	0.00041	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
1,2-Dichloroethane	ND	0.0013	0.00047	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
1,1-Dichloroethylene	ND	0.0027	0.00064	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
cis-1,2-Dichloroethylene	ND	0.0013	0.00047	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
trans-1,2-Dichloroethylene	ND	0.0013	0.00042	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
1,2-Dichloropropane	ND	0.0013	0.00043	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
1,3-Dichloropropane	ND	0.00067	0.00042	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
2,2-Dichloropropane	ND	0.0013	0.00056	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
1,1-Dichloropropene	ND	0.0013	0.00058	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
cis-1,3-Dichloropropene	ND	0.00067	0.00058	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
trans-1,3-Dichloropropene	ND	0.00067	0.00054	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
Diethyl Ether	ND	0.013	0.00074	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25E1183

Date Received: 5/14/2025

Field Sample #: SB-3 (10) | Sampled: 5/5/2025 10:05

Sample ID: 25E1183-02

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.00067	0.00062	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
1,4-Dioxane	ND	0.067	0.027	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
Ethylbenzene	ND	0.0013	0.00037	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
Hexachlorobutadiene	ND	0.0013	0.00050	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
2-Hexanone (MBK)	ND	0.013	0.0053	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
Isopropylbenzene (Cumene)	ND	0.0013	0.00043	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0013	0.00041	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
Methyl Acetate	ND	0.0013	0.00088	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0027	0.00053	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
Methyl Cyclohexane	ND	0.0013	0.00047	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
Methylene Chloride	ND	0.013	0.00047	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.013	0.0065	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
Naphthalene	ND	0.0027	0.00068	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
n-Propylbenzene	ND	0.0013	0.00044	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
Styrene	ND	0.0013	0.00043	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
1,1,1,2-Tetrachloroethane	ND	0.0013	0.00054	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
1,1,2,2-Tetrachloroethane	ND	0.00067	0.00061	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
Tetrachloroethylene	ND	0.0013	0.00056	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
Tetrahydrofuran	ND	0.0067	0.0028	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
Toluene	ND	0.0013	0.00037	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
1,2,3-Trichlorobenzene	ND	0.0013	0.00053	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
1,2,4-Trichlorobenzene	ND	0.0013	0.00044	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
1,3,5-Trichlorobenzene	ND	0.0013	0.00044	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
1,1,1-Trichloroethane	ND	0.0013	0.00047	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
1,1,2-Trichloroethane	ND	0.0013	0.00036	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
Trichloroethylene	ND	0.0013	0.00044	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0067	0.00090	mg/Kg dry	1	R-05	SW-846 8260D	5/15/25	5/15/25 15:06	MFF
1,2,3-Trichloropropane	ND	0.0013	0.00061	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0067	0.00077	mg/Kg dry	1	R-05	SW-846 8260D	5/15/25	5/15/25 15:06	MFF
1,2,4-Trimethylbenzene	ND	0.0013	0.00057	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
1,3,5-Trimethylbenzene	ND	0.0013	0.00049	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
Vinyl Chloride	ND	0.0067	0.00055	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
m+p Xylene	ND	0.0027	0.00072	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF
o-Xylene	ND	0.0013	0.00040	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:06	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	102	70-130		5/15/25 15:06
Toluene-d8	105	70-130		5/15/25 15:06
4-Bromofluorobenzene	96.2	70-130		5/15/25 15:06

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25E1183

Date Received: 5/14/2025

Field Sample #: SB-3 (10) | Sampled: 5/5/2025 10:05

Sample ID: 25E1183-02

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	75.1		% Wt	1	H-03	SM 2540G	5/15/25	5/15/25 10:12	ANR

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25E1183

Date Received: 5/14/2025

Field Sample #: SB-4 (11) | Sampled: 5/5/2025 10:42

Sample ID: 25E1183-03

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.049	0.0064	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
Acrylonitrile	ND	0.0049	0.00050	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00049	0.00045	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
Benzene	ND	0.00097	0.00035	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
Bromobenzene	ND	0.00097	0.00035	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
Bromochloromethane	ND	0.00097	0.00048	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
Bromodichloromethane	ND	0.00097	0.00033	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
Bromoform	ND	0.00097	0.00055	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
Bromomethane	ND	0.0049	0.00074	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
2-Butanone (MEK)	ND	0.019	0.0042	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
tert-Butyl Alcohol (TBA)	ND	0.049	0.018	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
n-Butylbenzene	ND	0.00097	0.00033	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
sec-Butylbenzene	ND	0.00097	0.00036	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
tert-Butylbenzene	ND	0.00097	0.00032	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00049	0.00038	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
Carbon Disulfide	ND	0.0097	0.0059	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
Carbon Tetrachloride	ND	0.00097	0.00039	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
Chlorobenzene	ND	0.00097	0.00033	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
Chlorodibromomethane	ND	0.00049	0.00044	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
Chloroethane	ND	0.0097	0.00069	mg/Kg dry	1	V-05	SW-846 8260D	5/15/25	5/15/25 15:32	MFF
Chloroform	ND	0.0019	0.00032	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
Chloromethane	ND	0.0049	0.00065	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
2-Chlorotoluene	ND	0.00097	0.00029	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
4-Chlorotoluene	ND	0.00097	0.00033	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.00097	0.00040	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
1,2-Dibromoethane (EDB)	ND	0.00049	0.00035	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
Dibromomethane	ND	0.00097	0.00029	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
1,2-Dichlorobenzene	ND	0.00097	0.00030	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
1,3-Dichlorobenzene	ND	0.00097	0.00029	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
1,4-Dichlorobenzene	ND	0.00097	0.00029	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
trans-1,4-Dichloro-2-butene	ND	0.0019	0.00039	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.0097	0.00055	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
1,1-Dichloroethane	ND	0.00097	0.00030	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
1,2-Dichloroethane	ND	0.00097	0.00034	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
1,1-Dichloroethylene	ND	0.0019	0.00046	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
cis-1,2-Dichloroethylene	ND	0.00097	0.00034	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
trans-1,2-Dichloroethylene	ND	0.00097	0.00031	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
1,2-Dichloropropane	ND	0.00097	0.00031	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
1,3-Dichloropropane	ND	0.00049	0.00030	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
2,2-Dichloropropane	ND	0.00097	0.00040	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
1,1-Dichloropropene	ND	0.00097	0.00042	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
cis-1,3-Dichloropropene	ND	0.00049	0.00042	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
trans-1,3-Dichloropropene	ND	0.00049	0.00039	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
Diethyl Ether	ND	0.0097	0.00054	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25E1183

Date Received: 5/14/2025

Field Sample #: SB-4 (11) | Sampled: 5/5/2025 10:42

Sample ID: 25E1183-03

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.00049	0.00044	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
1,4-Dioxane	ND	0.049	0.020	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
Ethylbenzene	ND	0.00097	0.00027	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
Hexachlorobutadiene	ND	0.00097	0.00036	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
2-Hexanone (MBK)	ND	0.0097	0.0038	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
Isopropylbenzene (Cumene)	ND	0.00097	0.00031	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.00097	0.00030	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
Methyl Acetate	ND	0.00097	0.00064	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0019	0.00038	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
Methyl Cyclohexane	ND	0.00097	0.00034	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
Methylene Chloride	ND	0.0097	0.00034	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.0097	0.0047	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
Naphthalene	ND	0.0019	0.00049	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
n-Propylbenzene	ND	0.00097	0.00032	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
Styrene	ND	0.00097	0.00031	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
1,1,1,2-Tetrachloroethane	ND	0.00097	0.00039	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
1,1,2,2-Tetrachloroethane	ND	0.00049	0.00044	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
Tetrachloroethylene	ND	0.00097	0.00040	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
Tetrahydrofuran	ND	0.0049	0.0020	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
Toluene	ND	0.00097	0.00027	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
1,2,3-Trichlorobenzene	ND	0.00097	0.00038	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
1,2,4-Trichlorobenzene	ND	0.00097	0.00032	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
1,3,5-Trichlorobenzene	ND	0.00097	0.00032	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
1,1,1-Trichloroethane	ND	0.00097	0.00034	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
1,1,2-Trichloroethane	ND	0.00097	0.00026	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
Trichloroethylene	ND	0.00097	0.00031	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0049	0.00065	mg/Kg dry	1	R-05	SW-846 8260D	5/15/25	5/15/25 15:32	MFF
1,2,3-Trichloropropane	ND	0.00097	0.00044	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0049	0.00055	mg/Kg dry	1	R-05	SW-846 8260D	5/15/25	5/15/25 15:32	MFF
1,2,4-Trimethylbenzene	ND	0.00097	0.00041	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
1,3,5-Trimethylbenzene	ND	0.00097	0.00035	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
Vinyl Chloride	ND	0.0049	0.00039	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
m+p Xylene	ND	0.0019	0.00052	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF
o-Xylene	ND	0.00097	0.00029	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:32	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	102	70-130		5/15/25 15:32
Toluene-d8	105	70-130		5/15/25 15:32
4-Bromofluorobenzene	96.5	70-130		5/15/25 15:32

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25E1183

Date Received: 5/14/2025

Field Sample #: SB-4 (11) | Sampled: 5/5/2025 10:42

Sample ID: 25E1183-03

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.5		% Wt	1	H-03	SM 2540G	5/15/25	5/15/25 10:12	ANR

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25E1183

Date Received: 5/14/2025

Field Sample #: SB-5 (12.5) | Sampled: 5/5/2025 11:08

Sample ID: 25E1183-04

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.050	0.0066	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
Acrylonitrile	ND	0.0050	0.00052	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00050	0.00047	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
Benzene	ND	0.0010	0.00036	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
Bromobenzene	ND	0.0010	0.00037	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
Bromochloromethane	ND	0.0010	0.00050	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
Bromodichloromethane	ND	0.0010	0.00034	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
Bromoform	ND	0.0010	0.00058	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
Bromomethane	ND	0.0050	0.00077	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
2-Butanone (MEK)	ND	0.020	0.0044	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
tert-Butyl Alcohol (TBA)	ND	0.050	0.018	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
n-Butylbenzene	ND	0.0010	0.00034	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
sec-Butylbenzene	ND	0.0010	0.00037	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
tert-Butylbenzene	ND	0.0010	0.00033	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00050	0.00039	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
Carbon Disulfide	ND	0.010	0.0061	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
Carbon Tetrachloride	ND	0.0010	0.00040	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
Chlorobenzene	ND	0.0010	0.00034	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
Chlorodibromomethane	ND	0.00050	0.00046	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
Chloroethane	ND	0.010	0.00072	mg/Kg dry	1	V-05	SW-846 8260D	5/15/25	5/15/25 15:58	MFF
Chloroform	ND	0.0020	0.00033	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
Chloromethane	ND	0.0050	0.00068	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
2-Chlorotoluene	ND	0.0010	0.00030	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
4-Chlorotoluene	ND	0.0010	0.00034	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0010	0.00042	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
1,2-Dibromoethane (EDB)	ND	0.00050	0.00036	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
Dibromomethane	ND	0.0010	0.00030	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
1,2-Dichlorobenzene	ND	0.0010	0.00031	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
1,3-Dichlorobenzene	ND	0.0010	0.00030	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
1,4-Dichlorobenzene	ND	0.0010	0.00030	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
trans-1,4-Dichloro-2-butene	ND	0.0020	0.00040	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.010	0.00057	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
1,1-Dichloroethane	ND	0.0010	0.00031	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
1,2-Dichloroethane	ND	0.0010	0.00035	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
1,1-Dichloroethylene	ND	0.0020	0.00048	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
cis-1,2-Dichloroethylene	ND	0.0010	0.00035	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
trans-1,2-Dichloroethylene	ND	0.0010	0.00032	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
1,2-Dichloropropane	ND	0.0010	0.00032	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
1,3-Dichloropropane	ND	0.00050	0.00031	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
2,2-Dichloropropane	ND	0.0010	0.00042	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
1,1-Dichloropropene	ND	0.0010	0.00044	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
cis-1,3-Dichloropropene	ND	0.00050	0.00044	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
trans-1,3-Dichloropropene	ND	0.00050	0.00040	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
Diethyl Ether	ND	0.010	0.00056	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25E1183

Date Received: 5/14/2025

Field Sample #: SB-5 (12.5) | Sampled: 5/5/2025 11:08

Sample ID: 25E1183-04

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.00050	0.00046	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
1,4-Dioxane	ND	0.050	0.020	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
Ethylbenzene	ND	0.0010	0.00028	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
Hexachlorobutadiene	ND	0.0010	0.00037	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
2-Hexanone (MBK)	ND	0.010	0.0039	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
Isopropylbenzene (Cumene)	ND	0.0010	0.00032	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0010	0.00031	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
Methyl Acetate	ND	0.0010	0.00066	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0020	0.00040	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
Methyl Cyclohexane	ND	0.0010	0.00035	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
Methylene Chloride	ND	0.010	0.00036	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.010	0.0049	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
Naphthalene	ND	0.0020	0.00051	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
n-Propylbenzene	ND	0.0010	0.00033	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
Styrene	ND	0.0010	0.00032	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
1,1,1,2-Tetrachloroethane	ND	0.0010	0.00041	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
1,1,2,2-Tetrachloroethane	ND	0.00050	0.00045	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
Tetrachloroethylene	ND	0.0010	0.00042	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
Tetrahydrofuran	ND	0.0050	0.0021	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
Toluene	ND	0.0010	0.00028	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
1,2,3-Trichlorobenzene	ND	0.0010	0.00040	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
1,2,4-Trichlorobenzene	ND	0.0010	0.00033	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
1,3,5-Trichlorobenzene	ND	0.0010	0.00033	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
1,1,1-Trichloroethane	ND	0.0010	0.00035	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
1,1,2-Trichloroethane	ND	0.0010	0.00027	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
Trichloroethylene	ND	0.0010	0.00033	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0050	0.00067	mg/Kg dry	1	R-05	SW-846 8260D	5/15/25	5/15/25 15:58	MFF
1,2,3-Trichloropropane	ND	0.0010	0.00046	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	0.00058	mg/Kg dry	1	R-05	SW-846 8260D	5/15/25	5/15/25 15:58	MFF
1,2,4-Trimethylbenzene	ND	0.0010	0.00042	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
1,3,5-Trimethylbenzene	ND	0.0010	0.00037	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
Vinyl Chloride	ND	0.0050	0.00041	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
m+p Xylene	ND	0.0020	0.00054	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF
o-Xylene	ND	0.0010	0.00030	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 15:58	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.7	70-130		5/15/25 15:58
Toluene-d8	104	70-130		5/15/25 15:58
4-Bromofluorobenzene	95.4	70-130		5/15/25 15:58

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25E1183

Date Received: 5/14/2025

Field Sample #: SB-5 (12.5) | Sampled: 5/5/2025 11:08

Sample ID: 25E1183-04

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.5		% Wt	1	H-03	SM 2540G	5/15/25	5/15/25 10:12	ANR

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25E1183

Date Received: 5/14/2025

Field Sample #: SB-6 (10) | Sampled: 5/5/2025 12:40

Sample ID: 25E1183-05

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.0084	0.060	0.0079	mg/Kg dry	1	J	SW-846 8260D	5/15/25	5/15/25 16:23	MFF
Acrylonitrile	ND	0.0060	0.00061	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00060	0.00055	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
Benzene	ND	0.0012	0.00043	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
Bromobenzene	ND	0.0012	0.00044	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
Bromochloromethane	ND	0.0012	0.00059	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
Bromodichloromethane	ND	0.0012	0.00041	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
Bromoform	ND	0.0012	0.00069	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
Bromomethane	ND	0.0060	0.00092	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
2-Butanone (MEK)	ND	0.024	0.0052	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
tert-Butyl Alcohol (TBA)	ND	0.060	0.022	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
n-Butylbenzene	ND	0.0012	0.00041	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
sec-Butylbenzene	ND	0.0012	0.00044	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
tert-Butylbenzene	ND	0.0012	0.00040	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00060	0.00047	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
Carbon Disulfide	ND	0.012	0.0073	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
Carbon Tetrachloride	ND	0.0012	0.00048	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
Chlorobenzene	ND	0.0012	0.00041	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
Chlorodibromomethane	ND	0.00060	0.00054	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
Chloroethane	ND	0.012	0.00085	mg/Kg dry	1	V-05	SW-846 8260D	5/15/25	5/15/25 16:23	MFF
Chloroform	ND	0.0024	0.00039	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
Chloromethane	ND	0.0060	0.00081	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
2-Chlorotoluene	ND	0.0012	0.00036	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
4-Chlorotoluene	ND	0.0012	0.00041	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0012	0.00050	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
1,2-Dibromoethane (EDB)	ND	0.00060	0.00043	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
Dibromomethane	ND	0.0012	0.00036	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
1,2-Dichlorobenzene	ND	0.0012	0.00037	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
1,3-Dichlorobenzene	ND	0.0012	0.00036	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
1,4-Dichlorobenzene	ND	0.0012	0.00036	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
trans-1,4-Dichloro-2-butene	ND	0.0024	0.00048	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.012	0.00068	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
1,1-Dichloroethane	ND	0.0012	0.00037	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
1,2-Dichloroethane	ND	0.0012	0.00042	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
1,1-Dichloroethylene	ND	0.0024	0.00057	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
cis-1,2-Dichloroethylene	ND	0.0012	0.00042	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
trans-1,2-Dichloroethylene	ND	0.0012	0.00038	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
1,2-Dichloropropane	ND	0.0012	0.00038	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
1,3-Dichloropropane	ND	0.00060	0.00037	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
2,2-Dichloropropane	ND	0.0012	0.00050	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
1,1-Dichloropropene	ND	0.0012	0.00052	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
cis-1,3-Dichloropropene	ND	0.00060	0.00052	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
trans-1,3-Dichloropropene	ND	0.00060	0.00048	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
Diethyl Ether	ND	0.012	0.00066	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25E1183

Date Received: 5/14/2025

Field Sample #: SB-6 (10) | Sampled: 5/5/2025 12:40

Sample ID: 25E1183-05

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.00060	0.00055	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
1,4-Dioxane	ND	0.060	0.024	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
Ethylbenzene	ND	0.0012	0.00033	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
Hexachlorobutadiene	ND	0.0012	0.00044	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
2-Hexanone (MBK)	ND	0.012	0.0047	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
Isopropylbenzene (Cumene)	ND	0.0012	0.00039	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0012	0.00037	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
Methyl Acetate	ND	0.0012	0.00079	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0024	0.00048	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
Methyl Cyclohexane	ND	0.0012	0.00042	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
Methylene Chloride	ND	0.012	0.00042	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.012	0.0058	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
Naphthalene	ND	0.0024	0.00060	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
n-Propylbenzene	ND	0.0012	0.00039	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
Styrene	ND	0.0012	0.00038	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
1,1,1,2-Tetrachloroethane	ND	0.0012	0.00048	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
1,1,2,2-Tetrachloroethane	ND	0.00060	0.00054	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
Tetrachloroethylene	ND	0.0012	0.00050	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
Tetrahydrofuran	ND	0.0060	0.0025	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
Toluene	ND	0.0012	0.00033	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
1,2,3-Trichlorobenzene	ND	0.0012	0.00047	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
1,2,4-Trichlorobenzene	ND	0.0012	0.00039	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
1,3,5-Trichlorobenzene	ND	0.0012	0.00039	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
1,1,1-Trichloroethane	ND	0.0012	0.00042	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
1,1,2-Trichloroethane	ND	0.0012	0.00032	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
Trichloroethylene	ND	0.0012	0.00039	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0060	0.00080	mg/Kg dry	1	R-05	SW-846 8260D	5/15/25	5/15/25 16:23	MFF
1,2,3-Trichloropropane	ND	0.0012	0.00054	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0060	0.00069	mg/Kg dry	1	R-05	SW-846 8260D	5/15/25	5/15/25 16:23	MFF
1,2,4-Trimethylbenzene	ND	0.0012	0.00051	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
1,3,5-Trimethylbenzene	ND	0.0012	0.00044	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
Vinyl Chloride	ND	0.0060	0.00049	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
m+p Xylene	ND	0.0024	0.00064	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF
o-Xylene	ND	0.0012	0.00036	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:23	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	102	70-130		5/15/25 16:23
Toluene-d8	104	70-130		5/15/25 16:23
4-Bromofluorobenzene	96.2	70-130		5/15/25 16:23

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25E1183

Date Received: 5/14/2025

Field Sample #: SB-6 (10) | Sampled: 5/5/2025 12:40

Sample ID: 25E1183-05

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	77.8		% Wt	1	H-03	SM 2540G	5/15/25	5/15/25 10:12	ANR

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25E1183

Date Received: 5/14/2025

Field Sample #: SB-7 (10) | Sampled: 5/5/2025 13:30

Sample ID: 25E1183-06

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.013	0.053	0.0070	mg/Kg dry	1	J	SW-846 8260D	5/15/25	5/15/25 16:49	MFF
Acrylonitrile	ND	0.0053	0.00055	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00053	0.00049	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
Benzene	ND	0.0011	0.00038	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
Bromobenzene	ND	0.0011	0.00039	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
Bromochloromethane	ND	0.0011	0.00053	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
Bromodichloromethane	ND	0.0011	0.00036	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
Bromoform	ND	0.0011	0.00061	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
Bromomethane	ND	0.0053	0.00082	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
2-Butanone (MEK)	ND	0.021	0.0046	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
tert-Butyl Alcohol (TBA)	ND	0.053	0.019	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
n-Butylbenzene	ND	0.0011	0.00036	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
sec-Butylbenzene	ND	0.0011	0.00039	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
tert-Butylbenzene	ND	0.0011	0.00035	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00053	0.00042	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
Carbon Disulfide	ND	0.011	0.0065	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
Carbon Tetrachloride	ND	0.0011	0.00043	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
Chlorobenzene	ND	0.0011	0.00036	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
Chlorodibromomethane	ND	0.00053	0.00048	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
Chloroethane	ND	0.011	0.00076	mg/Kg dry	1	V-05	SW-846 8260D	5/15/25	5/15/25 16:49	MFF
Chloroform	ND	0.0021	0.00035	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
Chloromethane	ND	0.0053	0.00072	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
2-Chlorotoluene	ND	0.0011	0.00032	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
4-Chlorotoluene	ND	0.0011	0.00036	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0011	0.00044	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
1,2-Dibromoethane (EDB)	ND	0.00053	0.00038	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
Dibromomethane	ND	0.0011	0.00032	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
1,2-Dichlorobenzene	ND	0.0011	0.00033	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
1,3-Dichlorobenzene	ND	0.0011	0.00032	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
1,4-Dichlorobenzene	ND	0.0011	0.00032	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
trans-1,4-Dichloro-2-butene	ND	0.0021	0.00043	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.011	0.00060	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
1,1-Dichloroethane	ND	0.0011	0.00033	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
1,2-Dichloroethane	ND	0.0011	0.00037	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
1,1-Dichloroethylene	ND	0.0021	0.00050	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
cis-1,2-Dichloroethylene	ND	0.0011	0.00037	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
trans-1,2-Dichloroethylene	ND	0.0011	0.00034	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
1,2-Dichloropropane	ND	0.0011	0.00034	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
1,3-Dichloropropane	ND	0.00053	0.00033	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
2,2-Dichloropropane	ND	0.0011	0.00045	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
1,1-Dichloropropene	ND	0.0011	0.00046	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
cis-1,3-Dichloropropene	ND	0.00053	0.00046	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
trans-1,3-Dichloropropene	ND	0.00053	0.00043	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
Diethyl Ether	ND	0.011	0.00059	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25E1183

Date Received: 5/14/2025

Field Sample #: SB-7 (10) | Sampled: 5/5/2025 13:30

Sample ID: 25E1183-06

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.00053	0.00049	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
1,4-Dioxane	ND	0.053	0.022	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
Ethylbenzene	ND	0.0011	0.00029	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
Hexachlorobutadiene	ND	0.0011	0.00040	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
2-Hexanone (MBK)	ND	0.011	0.0042	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
Isopropylbenzene (Cumene)	ND	0.0011	0.00034	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0011	0.00033	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
Methyl Acetate	ND	0.0011	0.00070	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0021	0.00042	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
Methyl Cyclohexane	ND	0.0011	0.00037	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
Methylene Chloride	ND	0.011	0.00038	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.011	0.0052	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
Naphthalene	ND	0.0021	0.00054	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
n-Propylbenzene	ND	0.0011	0.00035	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
Styrene	ND	0.0011	0.00034	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
1,1,1,2-Tetrachloroethane	ND	0.0011	0.00043	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
1,1,2,2-Tetrachloroethane	ND	0.00053	0.00048	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
Tetrachloroethylene	ND	0.0011	0.00044	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
Tetrahydrofuran	ND	0.0053	0.0022	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
Toluene	ND	0.0011	0.00029	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
1,2,3-Trichlorobenzene	ND	0.0011	0.00042	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
1,2,4-Trichlorobenzene	ND	0.0011	0.00035	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
1,3,5-Trichlorobenzene	ND	0.0011	0.00035	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
1,1,1-Trichloroethane	ND	0.0011	0.00037	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
1,1,2-Trichloroethane	ND	0.0011	0.00029	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
Trichloroethylene	ND	0.0011	0.00035	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0053	0.00071	mg/Kg dry	1	R-05	SW-846 8260D	5/15/25	5/15/25 16:49	MFF
1,2,3-Trichloropropane	ND	0.0011	0.00048	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0053	0.00061	mg/Kg dry	1	R-05	SW-846 8260D	5/15/25	5/15/25 16:49	MFF
1,2,4-Trimethylbenzene	ND	0.0011	0.00045	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
1,3,5-Trimethylbenzene	ND	0.0011	0.00039	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
Vinyl Chloride	ND	0.0053	0.00043	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
m+p Xylene	ND	0.0021	0.00057	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF
o-Xylene	ND	0.0011	0.00032	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 16:49	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.7	70-130		5/15/25 16:49
Toluene-d8	103	70-130		5/15/25 16:49
4-Bromofluorobenzene	98.0	70-130		5/15/25 16:49

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25E1183

Date Received: 5/14/2025

Field Sample #: SB-7 (10) | Sampled: 5/5/2025 13:30

Sample ID: 25E1183-06

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	76.3		% Wt	1	H-03	SM 2540G	5/15/25	5/15/25 10:12	ANR

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Project Location: Bristol, VT | Sample Description: | Work Order: 25E1183

Date Received: 5/14/2025

Field Sample #: SB-8 (10) | Sampled: 5/5/2025 14:20

Sample ID: 25E1183-07

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.0077	0.050	0.0066	mg/Kg dry	1	J	SW-846 8260D	5/15/25	5/15/25 17:14	MFF
Acrylonitrile	ND	0.0050	0.00051	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00050	0.00046	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
Benzene	ND	0.0010	0.00036	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
Bromobenzene	ND	0.0010	0.00037	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
Bromochloromethane	ND	0.0010	0.00049	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
Bromodichloromethane	ND	0.0010	0.00034	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
Bromoform	ND	0.0010	0.00057	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
Bromomethane	ND	0.0050	0.00077	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
2-Butanone (MEK)	ND	0.020	0.0043	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
tert-Butyl Alcohol (TBA)	ND	0.050	0.018	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
n-Butylbenzene	ND	0.0010	0.00034	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
sec-Butylbenzene	ND	0.0010	0.00037	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
tert-Butylbenzene	ND	0.0010	0.00033	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00050	0.00039	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
Carbon Disulfide	ND	0.010	0.0061	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
Carbon Tetrachloride	ND	0.0010	0.00040	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
Chlorobenzene	ND	0.0010	0.00034	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
Chlorodibromomethane	ND	0.00050	0.00046	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
Chloroethane	ND	0.010	0.00071	mg/Kg dry	1	V-05	SW-846 8260D	5/15/25	5/15/25 17:14	MFF
Chloroform	ND	0.0020	0.00033	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
Chloromethane	ND	0.0050	0.00068	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
2-Chlorotoluene	ND	0.0010	0.00030	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
4-Chlorotoluene	ND	0.0010	0.00034	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0010	0.00042	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
1,2-Dibromoethane (EDB)	ND	0.00050	0.00036	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
Dibromomethane	ND	0.0010	0.00030	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
1,2-Dichlorobenzene	ND	0.0010	0.00031	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
1,3-Dichlorobenzene	ND	0.0010	0.00030	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
1,4-Dichlorobenzene	ND	0.0010	0.00030	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
trans-1,4-Dichloro-2-butene	ND	0.0020	0.00040	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.010	0.00057	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
1,1-Dichloroethane	ND	0.0010	0.00031	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
1,2-Dichloroethane	ND	0.0010	0.00035	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
1,1-Dichloroethylene	ND	0.0020	0.00047	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
cis-1,2-Dichloroethylene	ND	0.0010	0.00035	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
trans-1,2-Dichloroethylene	ND	0.0010	0.00032	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
1,2-Dichloropropane	ND	0.0010	0.00032	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
1,3-Dichloropropane	ND	0.00050	0.00031	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
2,2-Dichloropropane	ND	0.0010	0.00042	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
1,1-Dichloropropene	ND	0.0010	0.00044	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
cis-1,3-Dichloropropene	ND	0.00050	0.00043	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
trans-1,3-Dichloropropene	ND	0.00050	0.00040	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
Diethyl Ether	ND	0.010	0.00056	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25E1183

Date Received: 5/14/2025

Field Sample #: SB-8 (10) | Sampled: 5/5/2025 14:20

Sample ID: 25E1183-07

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.00050	0.00046	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
1,4-Dioxane	ND	0.050	0.020	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
Ethylbenzene	ND	0.0010	0.00027	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
Hexachlorobutadiene	ND	0.0010	0.00037	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
2-Hexanone (MBK)	ND	0.010	0.0039	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
Isopropylbenzene (Cumene)	ND	0.0010	0.00032	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0010	0.00031	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
Methyl Acetate	ND	0.0010	0.00066	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0020	0.00040	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
Methyl Cyclohexane	ND	0.0010	0.00035	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
Methylene Chloride	ND	0.010	0.00035	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.010	0.0049	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
Naphthalene	ND	0.0020	0.00051	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
n-Propylbenzene	ND	0.0010	0.00033	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
Styrene	ND	0.0010	0.00032	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
1,1,1,2-Tetrachloroethane	ND	0.0010	0.00041	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
1,1,2,2-Tetrachloroethane	ND	0.00050	0.00045	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
Tetrachloroethylene	ND	0.0010	0.00042	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
Tetrahydrofuran	ND	0.0050	0.0021	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
Toluene	ND	0.0010	0.00027	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
1,2,3-Trichlorobenzene	ND	0.0010	0.00040	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
1,2,4-Trichlorobenzene	ND	0.0010	0.00033	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
1,3,5-Trichlorobenzene	ND	0.0010	0.00033	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
1,1,1-Trichloroethane	ND	0.0010	0.00035	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
1,1,2-Trichloroethane	ND	0.0010	0.00027	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
Trichloroethylene	ND	0.0010	0.00032	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0050	0.00067	mg/Kg dry	1	R-05	SW-846 8260D	5/15/25	5/15/25 17:14	MFF
1,2,3-Trichloropropane	ND	0.0010	0.00045	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	0.00057	mg/Kg dry	1	R-05	SW-846 8260D	5/15/25	5/15/25 17:14	MFF
1,2,4-Trimethylbenzene	ND	0.0010	0.00042	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
1,3,5-Trimethylbenzene	ND	0.0010	0.00036	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
Vinyl Chloride	ND	0.0050	0.00041	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
m+p Xylene	ND	0.0020	0.00053	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF
o-Xylene	ND	0.0010	0.00030	mg/Kg dry	1		SW-846 8260D	5/15/25	5/15/25 17:14	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	103	70-130		5/15/25 17:14
Toluene-d8	104	70-130		5/15/25 17:14
4-Bromofluorobenzene	96.2	70-130		5/15/25 17:14

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25E1183

Date Received: 5/14/2025

Field Sample #: SB-8 (10) | Sampled: 5/5/2025 14:20

Sample ID: 25E1183-07

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.8		% Wt	1	H-03	SM 2540G	5/15/25	5/15/25 10:12	ANR

Pace Analytical Services, LLC - East Longmeadow, Ma

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Sample Extraction Data

Prep Method:% Solids **Analytical Method:SM 2540G**

Lab Number [Field ID]	Batch	Date
25E1183-01 [SB-2 (10)]	B405185	05/15/25
25E1183-02 [SB-3 (10)]	B405185	05/15/25
25E1183-03 [SB-4 (11)]	B405185	05/15/25
25E1183-04 [SB-5 (12.5)]	B405185	05/15/25
25E1183-05 [SB-6 (10)]	B405185	05/15/25
25E1183-06 [SB-7 (10)]	B405185	05/15/25
25E1183-07 [SB-8 (10)]	B405185	05/15/25

Prep Method:SW-846 5035 **Analytical Method:SW-846 8260D**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
25E1183-01 [SB-2 (10)]	B405220	12.7	10.0	05/15/25
25E1183-02 [SB-3 (10)]	B405220	9.88	10.0	05/15/25
25E1183-03 [SB-4 (11)]	B405220	12.0	10.0	05/15/25
25E1183-04 [SB-5 (12.5)]	B405220	12.0	10.0	05/15/25
25E1183-05 [SB-6 (10)]	B405220	10.7	10.0	05/15/25
25E1183-06 [SB-7 (10)]	B405220	12.3	10.0	05/15/25
25E1183-07 [SB-8 (10)]	B405220	12.3	10.0	05/15/25

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B405220 - SW-846 5035										
Blank (B405220-BLK1)				Prepared & Analyzed: 05/15/25						
Acetone	ND	0.10	mg/Kg wet							
Acrylonitrile	ND	0.010	mg/Kg wet							
tert-Amyl Methyl Ether (TAME)	ND	0.0010	mg/Kg wet							
Benzene	ND	0.0020	mg/Kg wet							
Bromobenzene	ND	0.0020	mg/Kg wet							
Bromochloromethane	ND	0.0020	mg/Kg wet							
Bromodichloromethane	ND	0.0020	mg/Kg wet							
Bromoform	ND	0.0020	mg/Kg wet							
Bromomethane	ND	0.010	mg/Kg wet							
2-Butanone (MEK)	ND	0.040	mg/Kg wet							
tert-Butyl Alcohol (TBA)	ND	0.10	mg/Kg wet							
n-Butylbenzene	ND	0.0020	mg/Kg wet							
sec-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butyl Ethyl Ether (TBEE)	ND	0.0010	mg/Kg wet							
Carbon Disulfide	ND	0.020	mg/Kg wet							
Carbon Tetrachloride	ND	0.0020	mg/Kg wet							
Chlorobenzene	ND	0.0020	mg/Kg wet							
Chlorodibromomethane	ND	0.0010	mg/Kg wet							
Chloroethane	ND	0.020	mg/Kg wet							V-05
Chloroform	ND	0.0040	mg/Kg wet							
Chloromethane	ND	0.010	mg/Kg wet							
2-Chlorotoluene	ND	0.0020	mg/Kg wet							
4-Chlorotoluene	ND	0.0020	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet							
Dibromomethane	ND	0.0020	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet							
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet							
1,1-Dichloroethane	ND	0.0020	mg/Kg wet							
1,2-Dichloroethane	ND	0.0020	mg/Kg wet							
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
1,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,3-Dichloropropane	ND	0.0010	mg/Kg wet							
2,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,1-Dichloropropene	ND	0.0020	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
Diethyl Ether	ND	0.020	mg/Kg wet							
Diisopropyl Ether (DIPE)	ND	0.0010	mg/Kg wet							
1,4-Dioxane	ND	0.10	mg/Kg wet							
Ethylbenzene	ND	0.0020	mg/Kg wet							
Hexachlorobutadiene	ND	0.0020	mg/Kg wet							
2-Hexanone (MBK)	ND	0.020	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet							
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet							
Methyl Acetate	ND	0.0020	mg/Kg wet							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B405220 - SW-846 5035												
Blank (B405220-BLK1)				Prepared & Analyzed: 05/15/25								
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet									
Methyl Cyclohexane	ND	0.0020	mg/Kg wet									
Methylene Chloride	ND	0.020	mg/Kg wet									
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet									
Naphthalene	ND	0.0040	mg/Kg wet									
n-Propylbenzene	ND	0.0020	mg/Kg wet									
Styrene	ND	0.0020	mg/Kg wet									
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet									
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet									
Tetrachloroethylene	ND	0.0020	mg/Kg wet									
Tetrahydrofuran	ND	0.010	mg/Kg wet									
Toluene	ND	0.0020	mg/Kg wet									
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet									
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet									
1,3,5-Trichlorobenzene	ND	0.0020	mg/Kg wet									
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet									
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet									
Trichloroethylene	ND	0.0020	mg/Kg wet									
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet								R-05	
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet									
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet								R-05	
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet									
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet									
Vinyl Chloride	ND	0.010	mg/Kg wet									
m+p Xylene	ND	0.0040	mg/Kg wet									
o-Xylene	ND	0.0020	mg/Kg wet									
Surrogate: 1,2-Dichloroethane-d4	*0.0519*		mg/Kg wet	0.05000		104		70-130				
Surrogate: Toluene-d8	*0.0516*		mg/Kg wet	0.05000		103		70-130				
Surrogate: 4-Bromofluorobenzene	*0.0475*		mg/Kg wet	0.05000		95.0		70-130				
LCS (B405220-BS1)				Prepared & Analyzed: 05/15/25								
Acetone	0.239	0.10	mg/Kg wet	0.2000		119		70-160			V-36	†
Acrylonitrile	0.0244	0.010	mg/Kg wet	0.02000		122		70-130			V-20	
tert-Amyl Methyl Ether (TAME)	0.0211	0.0010	mg/Kg wet	0.02000		105		70-130				
Benzene	0.0243	0.0020	mg/Kg wet	0.02000		121		70-130				
Bromobenzene	0.0210	0.0020	mg/Kg wet	0.02000		105		70-130			V-36	
Bromochloromethane	0.0217	0.0020	mg/Kg wet	0.02000		108		70-130				
Bromodichloromethane	0.0194	0.0020	mg/Kg wet	0.02000		97.0		70-130				
Bromoform	0.0183	0.0020	mg/Kg wet	0.02000		91.6		70-130				
Bromomethane	0.0195	0.010	mg/Kg wet	0.02000		97.5		40-130				†
2-Butanone (MEK)	0.248	0.040	mg/Kg wet	0.2000		124		70-160			V-36	†
tert-Butyl Alcohol (TBA)	0.237	0.10	mg/Kg wet	0.2000		119		40-130				†
n-Butylbenzene	0.0247	0.0020	mg/Kg wet	0.02000		123		70-130				
sec-Butylbenzene	0.0214	0.0020	mg/Kg wet	0.02000		107		70-130				
tert-Butylbenzene	0.0238	0.0020	mg/Kg wet	0.02000		119		70-160				†
tert-Butyl Ethyl Ether (TBEE)	0.0223	0.0010	mg/Kg wet	0.02000		111		70-130				
Carbon Disulfide	0.285	0.020	mg/Kg wet	0.2000		**142**	*	70-130			L-07, V-20	
Carbon Tetrachloride	0.0227	0.0020	mg/Kg wet	0.02000		114		70-130				
Chlorobenzene	0.0209	0.0020	mg/Kg wet	0.02000		104		70-130				
Chlorodibromomethane	0.0203	0.0010	mg/Kg wet	0.02000		102		70-130				
Chloroethane	0.0154	0.020	mg/Kg wet	0.02000		77.2		70-130			V-05, J	
Chloroform	0.0238	0.0040	mg/Kg wet	0.02000		119		70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B405220 - SW-846 5035											
LCS (B405220-BS1)				Prepared & Analyzed: 05/15/25							
Chloromethane	0.0243	0.010	mg/Kg wet	0.02000		122	70-130				
2-Chlorotoluene	0.0205	0.0020	mg/Kg wet	0.02000		102	70-130				
4-Chlorotoluene	0.0198	0.0020	mg/Kg wet	0.02000		98.8	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	0.0220	0.0020	mg/Kg wet	0.02000		110	70-130				
1,2-Dibromoethane (EDB)	0.0232	0.0010	mg/Kg wet	0.02000		116	70-130				
Dibromomethane	0.0224	0.0020	mg/Kg wet	0.02000		112	70-130				
1,2-Dichlorobenzene	0.0219	0.0020	mg/Kg wet	0.02000		109	70-130				
1,3-Dichlorobenzene	0.0221	0.0020	mg/Kg wet	0.02000		111	70-130				
1,4-Dichlorobenzene	0.0221	0.0020	mg/Kg wet	0.02000		110	70-130				
trans-1,4-Dichloro-2-butene	0.0199	0.0040	mg/Kg wet	0.02000		99.7	70-130				
Dichlorodifluoromethane (Freon 12)	0.0290	0.020	mg/Kg wet	0.02000		145	40-160			V-20, V-36	†
1,1-Dichloroethane	0.0246	0.0020	mg/Kg wet	0.02000		123	70-130				
1,2-Dichloroethane	0.0175	0.0020	mg/Kg wet	0.02000		87.7	70-130				
1,1-Dichloroethylene	0.0166	0.0040	mg/Kg wet	0.02000		83.1	70-130				
cis-1,2-Dichloroethylene	0.0254	0.0020	mg/Kg wet	0.02000		127	70-130				
trans-1,2-Dichloroethylene	0.0256	0.0020	mg/Kg wet	0.02000		128	70-130				
1,2-Dichloropropane	0.0245	0.0020	mg/Kg wet	0.02000		122	70-130				
1,3-Dichloropropane	0.0232	0.0010	mg/Kg wet	0.02000		116	70-130				
2,2-Dichloropropane	0.0227	0.0020	mg/Kg wet	0.02000		113	70-130				
1,1-Dichloropropene	0.0241	0.0020	mg/Kg wet	0.02000		120	70-130				
cis-1,3-Dichloropropene	0.0219	0.0010	mg/Kg wet	0.02000		110	70-130				
trans-1,3-Dichloropropene	0.0215	0.0010	mg/Kg wet	0.02000		107	70-130				
Diethyl Ether	0.0181	0.020	mg/Kg wet	0.02000		90.3	70-130			J	
Diisopropyl Ether (DIPE)	0.0232	0.0010	mg/Kg wet	0.02000		116	70-130				
1,4-Dioxane	0.258	0.10	mg/Kg wet	0.2000		129	40-160				†
Ethylbenzene	0.0218	0.0020	mg/Kg wet	0.02000		109	70-130				
Hexachlorobutadiene	0.0229	0.0020	mg/Kg wet	0.02000		114	70-160			V-36	
2-Hexanone (MBK)	0.216	0.020	mg/Kg wet	0.2000		108	70-160				†
Isopropylbenzene (Cumene)	0.0215	0.0020	mg/Kg wet	0.02000		107	70-130				
p-Isopropyltoluene (p-Cymene)	0.0228	0.0020	mg/Kg wet	0.02000		114	70-130			V-36	
Methyl Acetate	0.0234	0.0020	mg/Kg wet	0.02000		117	70-130				
Methyl tert-Butyl Ether (MTBE)	0.0226	0.0040	mg/Kg wet	0.02000		113	70-130				
Methyl Cyclohexane	0.0231	0.0020	mg/Kg wet	0.02000		116	70-130				
Methylene Chloride	0.0229	0.020	mg/Kg wet	0.02000		114	40-160				†
4-Methyl-2-pentanone (MIBK)	0.218	0.020	mg/Kg wet	0.2000		109	70-160				†
Naphthalene	0.0155	0.0040	mg/Kg wet	0.02000		77.3	40-130				†
n-Propylbenzene	0.0221	0.0020	mg/Kg wet	0.02000		110	70-130				
Styrene	0.0201	0.0020	mg/Kg wet	0.02000		100	70-130				
1,1,1,2-Tetrachloroethane	0.0208	0.0020	mg/Kg wet	0.02000		104	70-130				
1,1,2,2-Tetrachloroethane	0.0235	0.0010	mg/Kg wet	0.02000		117	70-130				
Tetrachloroethylene	0.0214	0.0020	mg/Kg wet	0.02000		107	70-130				
Tetrahydrofuran	0.0275	0.010	mg/Kg wet	0.02000		**137**	* 70-130			L-02, V-20	
Toluene	0.0218	0.0020	mg/Kg wet	0.02000		109	70-130				
1,2,3-Trichlorobenzene	0.0167	0.0020	mg/Kg wet	0.02000		83.4	70-130				
1,2,4-Trichlorobenzene	0.0175	0.0020	mg/Kg wet	0.02000		87.5	70-130				
1,3,5-Trichlorobenzene	0.0210	0.0020	mg/Kg wet	0.02000		105	70-130				
1,1,1-Trichloroethane	0.0215	0.0020	mg/Kg wet	0.02000		107	70-130				
1,1,2-Trichloroethane	0.0226	0.0020	mg/Kg wet	0.02000		113	70-130				
Trichloroethylene	0.0221	0.0020	mg/Kg wet	0.02000		110	70-130				
Trichlorofluoromethane (Freon 11)	0.0217	0.010	mg/Kg wet	0.02000		108	70-130			R-05	
1,2,3-Trichloropropane	0.0191	0.0020	mg/Kg wet	0.02000		95.7	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B405220 - SW-846 5035												
LCS (B405220-BS1)				Prepared & Analyzed: 05/15/25								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0152	0.010	mg/Kg wet	0.02000		75.9		70-130			R-05	
1,2,4-Trimethylbenzene	0.0230	0.0020	mg/Kg wet	0.02000		115		70-130				
1,3,5-Trimethylbenzene	0.0210	0.0020	mg/Kg wet	0.02000		105		70-130				
Vinyl Chloride	0.0262	0.010	mg/Kg wet	0.02000		**131**	*	40-130			L-07	†
m+p Xylene	0.0442	0.0040	mg/Kg wet	0.04000		111		70-130				
o-Xylene	0.0214	0.0020	mg/Kg wet	0.02000		107		70-130				
Surrogate: 1,2-Dichloroethane-d4	*0.0529*		mg/Kg wet	0.05000		106		70-130				
Surrogate: Toluene-d8	*0.0510*		mg/Kg wet	0.05000		102		70-130				
Surrogate: 4-Bromofluorobenzene	*0.0474*		mg/Kg wet	0.05000		94.8		70-130				
LCS Dup (B405220-BSD1)				Prepared & Analyzed: 05/15/25								
Acetone	0.246	0.10	mg/Kg wet	0.2000		123		70-160	3.11	25	V-36	†
Acrylonitrile	0.0246	0.010	mg/Kg wet	0.02000		123		70-130	0.736	25	V-20	
tert-Amyl Methyl Ether (TAME)	0.0204	0.0010	mg/Kg wet	0.02000		102		70-130	2.99	25		
Benzene	0.0231	0.0020	mg/Kg wet	0.02000		116		70-130	4.90	25		
Bromobenzene	0.0192	0.0020	mg/Kg wet	0.02000		96.2		70-130	8.65	25	V-36	
Bromochloromethane	0.0226	0.0020	mg/Kg wet	0.02000		113		70-130	4.16	25		
Bromodichloromethane	0.0191	0.0020	mg/Kg wet	0.02000		95.6		70-130	1.45	25		
Bromoform	0.0167	0.0020	mg/Kg wet	0.02000		83.4		70-130	9.37	25		
Bromomethane	0.0199	0.010	mg/Kg wet	0.02000		99.4		40-130	1.93	25		†
2-Butanone (MEK)	0.230	0.040	mg/Kg wet	0.2000		115		70-160	7.59	25	V-36	†
tert-Butyl Alcohol (TBA)	0.225	0.10	mg/Kg wet	0.2000		113		40-130	5.17	25		†
n-Butylbenzene	0.0235	0.0020	mg/Kg wet	0.02000		118		70-130	4.90	25		
sec-Butylbenzene	0.0213	0.0020	mg/Kg wet	0.02000		106		70-130	0.749	25		
tert-Butylbenzene	0.0226	0.0020	mg/Kg wet	0.02000		113		70-160	5.00	25		†
tert-Butyl Ethyl Ether (TBEE)	0.0211	0.0010	mg/Kg wet	0.02000		105		70-130	5.63	25		
Carbon Disulfide	0.261	0.020	mg/Kg wet	0.2000		130		70-130	8.88	25	V-20	
Carbon Tetrachloride	0.0207	0.0020	mg/Kg wet	0.02000		104		70-130	9.11	25		
Chlorobenzene	0.0198	0.0020	mg/Kg wet	0.02000		98.9		70-130	5.31	25		
Chlorodibromomethane	0.0190	0.0010	mg/Kg wet	0.02000		95.1		70-130	6.51	25		
Chloroethane	0.0157	0.020	mg/Kg wet	0.02000		78.5		70-130	1.67	25	V-05, J	
Chloroform	0.0217	0.0040	mg/Kg wet	0.02000		108		70-130	9.25	25		
Chloromethane	0.0228	0.010	mg/Kg wet	0.02000		114		70-130	6.28	25		
2-Chlorotoluene	0.0195	0.0020	mg/Kg wet	0.02000		97.6		70-130	4.70	25		
4-Chlorotoluene	0.0191	0.0020	mg/Kg wet	0.02000		95.3		70-130	3.61	25		
1,2-Dibromo-3-chloropropane (DBCP)	0.0223	0.0020	mg/Kg wet	0.02000		112		70-130	1.53	25		
1,2-Dibromoethane (EDB)	0.0225	0.0010	mg/Kg wet	0.02000		112		70-130	3.07	25		
Dibromomethane	0.0208	0.0020	mg/Kg wet	0.02000		104		70-130	7.41	25		
1,2-Dichlorobenzene	0.0213	0.0020	mg/Kg wet	0.02000		106		70-130	2.78	25		
1,3-Dichlorobenzene	0.0216	0.0020	mg/Kg wet	0.02000		108		70-130	2.38	25		
1,4-Dichlorobenzene	0.0208	0.0020	mg/Kg wet	0.02000		104		70-130	5.87	25		
trans-1,4-Dichloro-2-butene	0.0179	0.0040	mg/Kg wet	0.02000		89.6		70-130	10.7	25		
Dichlorodifluoromethane (Freon 12)	0.0270	0.020	mg/Kg wet	0.02000		135		40-160	7.00	25	V-20, V-36	†
1,1-Dichloroethane	0.0230	0.0020	mg/Kg wet	0.02000		115		70-130	6.80	25		
1,2-Dichloroethane	0.0164	0.0020	mg/Kg wet	0.02000		81.9		70-130	6.84	25		
1,1-Dichloroethylene	0.0208	0.0040	mg/Kg wet	0.02000		104		70-130	22.3	25		
cis-1,2-Dichloroethylene	0.0232	0.0020	mg/Kg wet	0.02000		116		70-130	8.97	25		
trans-1,2-Dichloroethylene	0.0229	0.0020	mg/Kg wet	0.02000		114		70-130	11.0	25		
1,2-Dichloropropane	0.0225	0.0020	mg/Kg wet	0.02000		113		70-130	8.17	25		
1,3-Dichloropropane	0.0211	0.0010	mg/Kg wet	0.02000		105		70-130	9.58	25		
2,2-Dichloropropane	0.0214	0.0020	mg/Kg wet	0.02000		107		70-130	5.63	25		
1,1-Dichloropropene	0.0217	0.0020	mg/Kg wet	0.02000		108		70-130	10.6	25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD		RPD Limit	Notes	
Batch B405220 - SW-846 5035													
LCS Dup (B405220-BSD1)				Prepared & Analyzed: 05/15/25									
cis-1,3-Dichloropropene	0.0213	0.0010	mg/Kg wet	0.02000		106		70-130	2.96		25		
trans-1,3-Dichloropropene	0.0201	0.0010	mg/Kg wet	0.02000		101		70-130	6.44		25		
Diethyl Ether	0.0154	0.020	mg/Kg wet	0.02000		76.9		70-130	16.0		25	J	
Diisopropyl Ether (DIPE)	0.0224	0.0010	mg/Kg wet	0.02000		112		70-130	3.60		25		
1,4-Dioxane	0.247	0.10	mg/Kg wet	0.2000		124		40-160	4.20		50		† ‡
Ethylbenzene	0.0203	0.0020	mg/Kg wet	0.02000		101		70-130	7.41		25		
Hexachlorobutadiene	0.0197	0.0020	mg/Kg wet	0.02000		98.7		70-160	14.7		25	V-36	
2-Hexanone (MBK)	0.208	0.020	mg/Kg wet	0.2000		104		70-160	3.78		25		†
Isopropylbenzene (Cumene)	0.0203	0.0020	mg/Kg wet	0.02000		102		70-130	5.56		25		
p-Isopropyltoluene (p-Cymene)	0.0219	0.0020	mg/Kg wet	0.02000		110		70-130	3.84		25	V-36	
Methyl Acetate	0.0244	0.0020	mg/Kg wet	0.02000		122		70-130	4.19		25		
Methyl tert-Butyl Ether (MTBE)	0.0209	0.0040	mg/Kg wet	0.02000		104		70-130	7.64		25		
Methyl Cyclohexane	0.0219	0.0020	mg/Kg wet	0.02000		110		70-130	5.51		25		
Methylene Chloride	0.0210	0.020	mg/Kg wet	0.02000		105		40-160	8.75		25		†
4-Methyl-2-pentanone (MIBK)	0.208	0.020	mg/Kg wet	0.2000		104		70-160	4.64		25		†
Naphthalene	0.0173	0.0040	mg/Kg wet	0.02000		86.6		40-130	11.3		25		†
n-Propylbenzene	0.0209	0.0020	mg/Kg wet	0.02000		104		70-130	5.68		25		
Styrene	0.0197	0.0020	mg/Kg wet	0.02000		98.5		70-130	1.91		25		
1,1,1,2-Tetrachloroethane	0.0195	0.0020	mg/Kg wet	0.02000		97.5		70-130	6.64		25		
1,1,2,2-Tetrachloroethane	0.0225	0.0010	mg/Kg wet	0.02000		112		70-130	4.26		25		
Tetrachloroethylene	0.0192	0.0020	mg/Kg wet	0.02000		96.2		70-130	10.5		25		
Tetrahydrofuran	0.0277	0.010	mg/Kg wet	0.02000		**138**	*	70-130	0.725		25	L-02, V-20	
Toluene	0.0208	0.0020	mg/Kg wet	0.02000		104		70-130	4.88		25		
1,2,3-Trichlorobenzene	0.0173	0.0020	mg/Kg wet	0.02000		86.7		70-130	3.88		25		
1,2,4-Trichlorobenzene	0.0172	0.0020	mg/Kg wet	0.02000		86.0		70-130	1.73		25		
1,3,5-Trichlorobenzene	0.0198	0.0020	mg/Kg wet	0.02000		98.8		70-130	6.27		25		
1,1,1-Trichloroethane	0.0201	0.0020	mg/Kg wet	0.02000		101		70-130	6.45		25		
1,1,2-Trichloroethane	0.0210	0.0020	mg/Kg wet	0.02000		105		70-130	7.25		25		
Trichloroethylene	0.0218	0.0020	mg/Kg wet	0.02000		109		70-130	1.37		25		
Trichlorofluoromethane (Freon 11)	0.0168	0.010	mg/Kg wet	0.02000		84.1		70-130	**25.2**	*	25	R-05	
1,2,3-Trichloropropane	0.0184	0.0020	mg/Kg wet	0.02000		91.8		70-130	4.16		25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0198	0.010	mg/Kg wet	0.02000		99.2		70-130	**26.6**	*	25	R-05	
1,2,4-Trimethylbenzene	0.0222	0.0020	mg/Kg wet	0.02000		111		70-130	3.36		25		
1,3,5-Trimethylbenzene	0.0187	0.0020	mg/Kg wet	0.02000		93.5		70-130	11.7		25		
Vinyl Chloride	0.0236	0.010	mg/Kg wet	0.02000		118		40-130	10.5		25		†
m+p Xylene	0.0410	0.0040	mg/Kg wet	0.04000		102		70-130	7.61		25		
o-Xylene	0.0207	0.0020	mg/Kg wet	0.02000		103		70-130	3.61		25		
Surrogate: 1,2-Dichloroethane-d4	*0.0527*		mg/Kg wet	0.05000		105		70-130					
Surrogate: Toluene-d8	*0.0509*		mg/Kg wet	0.05000		102		70-130					
Surrogate: 4-Bromofluorobenzene	*0.0483*		mg/Kg wet	0.05000		96.6		70-130					

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
H-03	Sample received after recommended holding time was exceeded.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
V-36	Initial calibration verification (ICV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Pace Analytical Services, LLC - East Longmeadow, Ma

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Soil	
Acetone	CT,NC,NH,NY,ME,VA,NJ
Acrylonitrile	CT,NC,NH,NY,ME,VA,NJ
tert-Amyl Methyl Ether (TAME)	NC
Benzene	CT,NC,NH,NY,ME,VA,NJ
Bromobenzene	NC,NH,NY,ME,VA,NJ
Bromochloromethane	NC,NH,NY,ME,VA,NJ
Bromodichloromethane	CT,NC,NH,NY,ME,VA,NJ
Bromoform	CT,NC,NH,NY,ME,VA,NJ
Bromomethane	CT,NC,NH,NY,ME,VA,NJ
2-Butanone (MEK)	CT,NC,NH,NY,ME,VA,NJ
tert-Butyl Alcohol (TBA)	NC,NY,ME,NJ
n-Butylbenzene	CT,NC,NH,NY,ME,VA,NJ
sec-Butylbenzene	CT,NC,NH,NY,ME,VA,NJ
tert-Butylbenzene	CT,NC,NH,NY,ME,VA,NJ
tert-Butyl Ethyl Ether (TBEE)	NC
Carbon Disulfide	CT,NC,NH,NY,ME,VA,NJ
Carbon Tetrachloride	CT,NC,NH,NY,ME,VA,NJ
Chlorobenzene	CT,NC,NH,NY,ME,VA,NJ
Chlorodibromomethane	CT,NC,NH,NY,ME,VA,NJ
Chloroethane	CT,NC,NH,NY,ME,VA,NJ
Chloroform	CT,NC,NH,NY,ME,VA,NJ
Chloromethane	CT,NC,NH,NY,ME,VA,NJ
2-Chlorotoluene	CT,NC,NH,NY,ME,VA,NJ
4-Chlorotoluene	CT,NC,NH,NY,ME,VA,NJ
1,2-Dibromo-3-chloropropane (DBCP)	NC,NY,ME,NJ
1,2-Dibromoethane (EDB)	NC,NH,NY,NJ
Dibromomethane	NC,NH,NY,ME,VA,NJ
1,2-Dichlorobenzene	CT,NC,NH,NY,ME,VA,NJ
1,3-Dichlorobenzene	CT,NC,NH,NY,ME,VA,NJ
1,4-Dichlorobenzene	CT,NC,NH,NY,ME,VA,NJ
trans-1,4-Dichloro-2-butene	NC,NY,ME,NJ
Dichlorodifluoromethane (Freon 12)	NC,NH,NY,ME,VA,NJ
1,1-Dichloroethane	CT,NC,NH,NY,ME,VA,NJ
1,2-Dichloroethane	CT,NC,NH,NY,ME,VA,NJ
1,1-Dichloroethylene	CT,NC,NH,NY,ME,VA,NJ
cis-1,2-Dichloroethylene	CT,NC,NH,NY,ME,VA,NJ
trans-1,2-Dichloroethylene	CT,NC,NH,NY,ME,VA,NJ
1,2-Dichloropropane	CT,NC,NH,NY,ME,VA,NJ
1,3-Dichloropropane	NC,NH,NY,ME,VA,NJ
2,2-Dichloropropane	NC,NH,NY,ME,VA,NJ
1,1-Dichloropropene	NC,NH,NY,ME,VA,NJ
cis-1,3-Dichloropropene	CT,NC,NH,NY,ME,VA,NJ
trans-1,3-Dichloropropene	CT,NC,NH,NY,ME,VA,NJ
Diethyl Ether	NC,ME,NJ
Diisopropyl Ether (DIPE)	NC
1,4-Dioxane	NC,NY,ME,NJ
Ethylbenzene	CT,NC,NH,NY,ME,VA,NJ

Pace Analytical Services, LLC - East Longmeadow, Ma

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Soil	
Hexachlorobutadiene	NC,NH,NY,ME,VA,NJ
2-Hexanone (MBK)	CT,NC,NH,NY,ME,VA,NJ
Isopropylbenzene (Cumene)	CT,NC,NH,NY,ME,VA,NJ
p-Isopropyltoluene (p-Cymene)	NC,NH,NY,NJ
Methyl Acetate	NC,NY,ME,NJ
Methyl tert-Butyl Ether (MTBE)	NC,NY,ME,VA,NJ
Methyl Cyclohexane	NC,NY,NJ
Methylene Chloride	CT,NC,NH,NY,ME,VA,NJ
4-Methyl-2-pentanone (MIBK)	CT,NC,NH,NY,ME,VA,NJ
Naphthalene	NC,NH,NY,ME,VA,NJ
n-Propylbenzene	NC,NH,NY,ME,NJ
Styrene	CT,NC,NH,NY,ME,VA,NJ
1,1,1,2-Tetrachloroethane	CT,NC,NH,NY,ME,VA,NJ
1,1,2,2-Tetrachloroethane	CT,NC,NH,NY,ME,VA,NJ
Tetrachloroethylene	CT,NC,NH,NY,ME,VA,NJ
Tetrahydrofuran	NC,NJ
Toluene	CT,NC,NH,NY,ME,VA,NJ
1,2,3-Trichlorobenzene	NC,NY,ME,NJ
1,2,4-Trichlorobenzene	NC,NH,NY,ME,VA,NJ
1,3,5-Trichlorobenzene	NC,ME
1,1,1-Trichloroethane	CT,NC,NH,NY,ME,VA,NJ
1,1,2-Trichloroethane	CT,NC,NH,NY,ME,VA,NJ
Trichloroethylene	CT,NC,NH,NY,ME,VA,NJ
Trichlorofluoromethane (Freon 11)	CT,NC,NH,NY,ME,VA,NJ
1,2,3-Trichloropropane	NC,NH,NY,ME,VA,NJ
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NC,NJ
1,2,4-Trimethylbenzene	CT,NC,NH,NY,ME,VA,NJ
1,3,5-Trimethylbenzene	CT,NC,NH,NY,ME,VA,NJ
Vinyl Chloride	CT,NC,NH,NY,ME,VA,NJ
m+p Xylene	CT,NC,NH,NY,ME,VA,NJ
o-Xylene	CT,NC,NH,NY,ME,VA,NJ
SW-846 8260D in Water	
Acetone	CT,ME,NH,VA,NY,NC,NJ
Acrylonitrile	CT,ME,NH,VA,NY,NC,NJ
tert-Amyl Methyl Ether (TAME)	ME,NH,VA,NY,NC,NJ
Benzene	CT,ME,NH,VA,NY,NC,NJ
Bromobenzene	ME,NY,NC,NJ
Bromochloromethane	ME,NH,VA,NY,NC,NJ
Bromodichloromethane	CT,ME,NH,VA,NY,NC,NJ
Bromoform	CT,ME,NH,VA,NY,NC,NJ
Bromomethane	CT,ME,NH,VA,NY,NC,NJ
2-Butanone (MEK)	CT,ME,NH,VA,NY,NC,NJ
tert-Butyl Alcohol (TBA)	ME,NH,VA,NY,NC,NJ
n-Butylbenzene	ME,VA,NY,NC,NJ
sec-Butylbenzene	ME,VA,NY,NC,NJ
tert-Butylbenzene	ME,VA,NY,NC,NJ

Pace Analytical Services, LLC - East Longmeadow, Ma

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
tert-Butyl Ethyl Ether (TBEE)	ME,NH,VA,NY,NC,NJ
Carbon Disulfide	CT,ME,NH,VA,NY,NC,NJ
Carbon Tetrachloride	CT,ME,NH,VA,NY,NC,NJ
Chlorobenzene	CT,ME,NH,VA,NY,NC,NJ
Chlorodibromomethane	CT,ME,NH,VA,NY,NC,NJ
Chloroethane	CT,ME,NH,VA,NY,NC,NJ
Chloroform	CT,ME,NH,VA,NY,NC,NJ
Chloromethane	CT,ME,NH,VA,NY,NC,NJ
2-Chlorotoluene	ME,NH,VA,NY,NC,NJ
4-Chlorotoluene	ME,NH,VA,NY,NC,NJ
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY,NC,NJ
1,2-Dibromoethane (EDB)	ME,NY,NC,NJ
Dibromomethane	ME,NH,VA,NY,NC,NJ
1,2-Dichlorobenzene	CT,ME,NH,VA,NY,NC,NJ
1,3-Dichlorobenzene	CT,ME,NH,VA,NY,NC,NJ
1,4-Dichlorobenzene	CT,ME,NH,VA,NY,NC,NJ
trans-1,4-Dichloro-2-butene	ME,NH,VA,NY,NC,NJ
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY,NC,NJ
1,1-Dichloroethane	CT,ME,NH,VA,NY,NC,NJ
1,2-Dichloroethane	CT,ME,NH,VA,NY,NC,NJ
1,1-Dichloroethylene	CT,ME,NH,VA,NY,NC,NJ
cis-1,2-Dichloroethylene	ME,NY,NC,NJ
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY,NC,NJ
1,2-Dichloropropane	CT,ME,NH,VA,NY,NC,NJ
1,3-Dichloropropane	ME,VA,NY,NC,NJ
2,2-Dichloropropane	ME,NH,VA,NY,NC,NJ
1,1-Dichloropropene	ME,NH,VA,NY,NC,NJ
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY,NC,NJ
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY,NC,NJ
Diethyl Ether	ME,NY,NC,NJ
Diisopropyl Ether (DIPE)	ME,NH,VA,NY,NC,NJ
1,4-Dioxane	ME,NH,NY,NC,NJ
Ethylbenzene	CT,ME,NH,VA,NY,NC,NJ
Hexachlorobutadiene	CT,ME,NH,VA,NY,NC,NJ
2-Hexanone (MBK)	CT,ME,NH,VA,NY,NC,NJ
Isopropylbenzene (Cumene)	ME,VA,NY,NC,NJ
p-Isopropyltoluene (p-Cymene)	CT,ME,NH,VA,NY,NC,NJ
Methyl Acetate	ME,NY,NC,NJ
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY,NC,NJ
Methyl Cyclohexane	NY,NC,NJ
Methylene Chloride	CT,ME,NH,VA,NY,NC,NJ
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY,NC,NJ
Naphthalene	ME,NH,VA,NY,NC,NJ
n-Propylbenzene	CT,ME,NH,VA,NY,NC,NJ
Styrene	CT,ME,NH,VA,NY,NC,NJ
1,1,1,2-Tetrachloroethane	CT,ME,NH,VA,NY,NC,NJ
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY,NC,NJ

Pace Analytical Services, LLC - East Longmeadow, Ma

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
Tetrachloroethylene	CT,ME,NH,VA,NY,NC,NJ
Tetrahydrofuran	NC
Toluene	CT,ME,NH,VA,NY,NC,NJ
1,2,3-Trichlorobenzene	ME,NH,VA,NY,NC,NJ
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY,NC,NJ
1,3,5-Trichlorobenzene	ME,NC
1,1,1-Trichloroethane	CT,ME,NH,VA,NY,NC,NJ
1,1,2-Trichloroethane	CT,ME,NH,VA,NY,NC,NJ
Trichloroethylene	CT,ME,NH,VA,NY,NC,NJ
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY,NC,NJ
1,2,3-Trichloropropane	ME,NH,VA,NY,NC,NJ
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY,NC,NJ
1,2,4-Trimethylbenzene	ME,VA,NY,NC,NJ
1,3,5-Trimethylbenzene	ME,VA,NY,NC,NJ
Vinyl Chloride	CT,ME,NH,VA,NY,NC,NJ
m+p Xylene	CT,ME,NH,VA,NY,NC,NJ
o-Xylene	CT,ME,NH,VA,NY,NC,NJ

Pace Analytical Services, LLC - East Longmeadow, Ma, operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0821	12/31/2026
NY	New York State Department of Health	10899 NELAP	04/1/2026
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2026
NC	North Carolina Div. of Water Quality	652	12/31/2025
NJ	New Jersey DEP	MA007 NELAP	06/30/2025
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2025

25ET183 RF

Pace Analytical

Phone: 413-525-2332
Fax: 413-525-6405
Access COC's and Support Requests

http://www.pacelabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 5_07/13/2021

Page 1 of 1

Company Name:	Atlas
Address:	57 Kayla Lane, Williston VT
Phone:	607-434-8293
Project Name:	Morrissey Residence
Project Location:	Bristol VT
Project Number:	280EM01330
Project Manager:	Jo Palmer
Pace Quote Name/Number:	
Invoice Recipient:	Jo Palmer / APYT@greatlks.com
Sampled By:	Jo Palmer

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

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

Data Delivery	
Format:	PDF ☒ EXCEL ☒
Other:	
CLP Like Data Pkg Required:	☐
Email To:	jchanna.palmer@greatlks.com
Fax To #:	

Dissolved Metals Samples	
○	Field Filtered
○	Lab to Filter

Orthophosphate Samples	
○	Field Filtered
○	Lab to Filter

PCB ONLY

SOXHLET ☐

NON SOXHLET ☐

ANALYSIS REQUESTED

Pace Work Order#	Client Sample ID / Description	Date	Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	8260 full list BTM
1	SB-2-10ft	5/5/25	0945	G	S	L	3	1				X
2	SB-3-10ft		1005				3	1				X
3	SB-4-11ft		1042				3	1				X
4	SB-5-12.5ft		1108				3	1				X
5	SB-6-10ft		1240				3	1				X
6	SB-7-10ft		1330				3	1				X
7	SB-8-10ft		1420				3	1				X

[2] Preservation Code

Courier Use Only

Total Number Of:

VIALS_____
GLASS_____
PLASTIC_____
BACTERIA_____
ENCORE_____

Glassware in the fridge? Y / N

Glassware in freezer? Y / N

Prepackaged Cooler? Y / N

*Pace Analytical is not responsible for missing samples from prepacked coolers

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

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Relinquished by: (signature)	Date/Time:	5/6/25 1200
Received by: (signature)	Date/Time:	5/6 11:05
Relinquished by: (signature)	Date/Time:	5/6 1550
Received by: (signature)	Date/Time:	5-6-25 1615
Relinquished by: (signature)	Date/Time:	5-6-25 1800
Received by: (signature)	Date/Time:	5/6/25 1800
Relinquished by: (signature)	Date/Time:	5/14 0821
Received by: (signature)	Date/Time:	5-14-25 12:23

Client Comments:

Detection Limit Requirements

MA
CT
Other:

Special Requirements

☐ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required

PWSID #

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

NELAC and AIHA-LAP, LLC Accredited

Project Entity

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

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

Comments:

Del [illegible] 5-14-25

52 5/14/25 1855

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

Exhibit S

Table of Contents

Exhibit S

Pace Analytical Services	DC#_Title: ENV-FRM-ELON-0001 v08_Sample Receiving Checklist
	Effective Date: 06/11/2024

Log In Back-Sheet

Client: Atlas (VT)

Project: Morrissy Residence

MCP/RCP Required: no

Deliverable Package Requirement: none

Location: Bristol, VT

PWSID# (When Applicable): n/a

Arrival Method:

Courier ☑ Fed Ex ☐ Walk In ☐ Other ☐

Received By / Date / Time: Mam 5/14/25 1855

Back-Sheet By / Date / Time: Mam 5/15/25 0938

Temperature Method: Gun # 4

WV samples: Yes (see note*) / No (follow normal procedure)

Temp < 6° C Actual Temperature: 5.2

Rush Samples: Yes / No Notify: No

Short Hold: Yes / No Notify: No

Notes regarding Samples/COC outside of SOP:

Login Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy) Any False statement will be brought to the attention of the Client – True or False

	True	False
Received on Ice	☑	☐
Received in Cooler	☑	☐
Custody Seal: DATE TIME	☐	☑
COC Relinquished	☑	☐
COC/Samples Labels Agree	☑	☐
All Samples in Good Condition	☑	☐
Samples Received within Holding Time	☑	☐
Is there enough Volume	☑	☐
Proper Media/Container Used	☑	☐
Splitting Samples Required	☐	☑
MS/MSD	☐	☑
Trip Blanks	☐	☑
Lab to Filters	☐	☑
COC Legible	☑	☐

COC Included: (Check all included)

Client ☑ Analysis ☑ Sampler Name ☑

Project ☑ IDs ☑ Collection Date/Time ☑

All Samples Proper pH: N/A ☐ ☐

Additional Container Notes

**Note: West Virginia requires all samples to have their temperature taken. Note any outliers.*

Qualtrax ID: 120836

Exhibit S

Page 2 of 2

Quantrax ID: 120836

Soils Jars (Circle Amb/Clear)		Ambers							Plastics																	VOA Vials				Other / Fill in			
		1 Liter		250mL		100mL	1 Liter		500mL		250mL																						
Sample	16oz Amb/Clear	8oz Amb/Clear	4oz Amb/Clear	2oz Amb/Clear	Unpreserved	HCL	Sulfuric	Sulfuric	Phosphoric	HCl	Unpreserved	Sulfuric	Unpreserved	Sulfuric	Unpreserved	Trizma	Sulfuric	Nitric	NaOH	Ammonium Acetate	NaOH/Zinc	Unpreserved	HCl	MeOH	D.I. Water	Bisulfate	Col/Bact						
1																																	
2																																	
3																																	
4																																	
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19																																	
20																																	

DC#_Title: ENV-FRM-ELON-0001 v08_Sample Receiving Checklist	Effective Date: 06/11/2024

Exhibit S

Pace Analytical Services, LLC - East Longmeadow, Ma

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

December 18, 2024

Jo Palmer
Atlas Technical Consultants - Vermont
51 Knight Lane, PO Box 1486
Williston, VT 05495

Project Location: Bristol, VT
Client Job Number:
Project Number: 280EM01274
Laboratory Work Order Number: 24L1189

Enclosed are results of analyses for samples as received by the laboratory on December 17, 2024. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Rebecca Faust
Project Manager

Exhibit S

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Drinking Water Organics EPA 500 Series Methods 12

B394836 12

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Pace Analytical Services, LLC - East Longmeadow, Ma

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

Atlas Technical Consultants - Vermont
51 Knight Lane, PO Box 1486
Williston, VT 05495
ATTN: Jo Palmer

REPORT DATE: 12/18/2024

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 280EM01274

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 24L1189

The results of analyses performed on the following samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, are found in this report.

PROJECT LOCATION: Bristol, VT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Inf	24L1189-01	Drinking Water		EPA 524.2	
Eff	24L1189-02	Drinking Water		EPA 524.2	
Trip Blank	24L1189-03	Trip Blank Water		EPA 524.2	

Exhibit S

Pace Analytical Services, LLC - East Longmeadow, Ma

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CASE NARRATIVE SUMMARY

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

EPA 524.2

Qualifications:

L-01

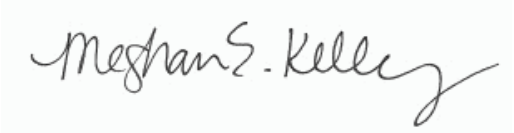
Laboratory fortified blank/laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene

B394836-BS1

The results of analyses reported only relate to samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Meghan E. Kelley
Reporting Specialist

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 24L1189

Date Received: 12/17/2024

Field Sample #: Inf | Sampled: 12/16/2024 12:30

Sample ID: 24L1189-01

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	5	µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
Bromobenzene	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
Bromochloromethane	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
Bromodichloromethane	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
Bromoform	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
Bromomethane	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
n-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
sec-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
tert-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
Carbon Tetrachloride	ND	0.50	5	µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
Chlorobenzene	ND	0.50	100	µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
Chloroethane	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
Chloroform	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
Chloromethane	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
2-Chlorotoluene	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
4-Chlorotoluene	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
Dibromochloromethane	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
Dibromomethane	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
1,2-Dichlorobenzene	ND	0.50	600	µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
1,3-Dichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
1,4-Dichlorobenzene	ND	0.50	75	µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
1,1-Dichloroethane	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
1,2-Dichloroethane	ND	0.50	5	µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
1,1-Dichloroethylene	ND	0.50	7	µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
cis-1,2-Dichloroethylene	ND	0.50	70	µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
trans-1,2-Dichloroethylene	ND	0.50	100	µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
1,2-Dichloropropane	ND	0.50	5	µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
1,3-Dichloropropane	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
2,2-Dichloropropane	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
1,1-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
cis-1,3-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
trans-1,3-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
1,3-Dichloropropene (total)	ND	1.0		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
Ethylbenzene	ND	0.50	700	µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
Hexachlorobutadiene	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
Isopropylbenzene (Cumene)	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
Methylene Chloride	ND	0.50	5	µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
Naphthalene	ND	1.0		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
n-Propylbenzene	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
Styrene	ND	0.50	100	µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
1,1,1,2-Tetrachloroethane	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 24L1189

Date Received: 12/17/2024

Field Sample #: Inf | Sampled: 12/16/2024 12:30

Sample ID: 24L1189-01

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
Tetrachloroethylene	0.26	0.50	5	µg/L	1	J	EPA 524.2	12/17/24	12/18/24 10:39	EEH
Toluene	ND	0.50	1000	µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
1,2,3-Trichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
1,2,4-Trichlorobenzene	ND	0.50	70	µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
1,3,5-Trichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
1,1,1-Trichloroethane	ND	0.50	200	µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
1,1,2-Trichloroethane	ND	0.50	5	µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
Trichloroethylene	ND	0.50	5	µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
1,2,3-Trichloropropane	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
1,2,4-Trimethylbenzene	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
1,3,5-Trimethylbenzene	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
Vinyl Chloride	ND	0.50	2	µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
m&p-Xylene	ND	1.0		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
o-Xylene	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH
Xylenes (total)	ND	1.5	10000	µg/L	1		EPA 524.2	12/17/24	12/18/24 10:39	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
4-Bromofluorobenzene	98.2	80-120		12/18/24 10:39
1,2-Dichlorobenzene-d4	107	80-120		12/18/24 10:39

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 24L1189

Date Received: 12/17/2024

Field Sample #: Eff | Sampled: 12/16/2024 12:00

Sample ID: 24L1189-02

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	5	µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
Bromobenzene	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
Bromochloromethane	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
Bromodichloromethane	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
Bromoform	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
Bromomethane	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
n-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
sec-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
tert-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
Carbon Tetrachloride	ND	0.50	5	µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
Chlorobenzene	ND	0.50	100	µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
Chloroethane	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
Chloroform	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
Chloromethane	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
2-Chlorotoluene	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
4-Chlorotoluene	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
Dibromochloromethane	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
Dibromomethane	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
1,2-Dichlorobenzene	ND	0.50	600	µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
1,3-Dichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
1,4-Dichlorobenzene	ND	0.50	75	µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
1,1-Dichloroethane	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
1,2-Dichloroethane	ND	0.50	5	µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
1,1-Dichloroethylene	ND	0.50	7	µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
cis-1,2-Dichloroethylene	ND	0.50	70	µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
trans-1,2-Dichloroethylene	ND	0.50	100	µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
1,2-Dichloropropane	ND	0.50	5	µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
1,3-Dichloropropane	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
2,2-Dichloropropane	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
1,1-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
cis-1,3-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
trans-1,3-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
1,3-Dichloropropene (total)	ND	1.0		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
Ethylbenzene	ND	0.50	700	µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
Hexachlorobutadiene	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
Isopropylbenzene (Cumene)	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
Methylene Chloride	ND	0.50	5	µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
Naphthalene	ND	1.0		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
n-Propylbenzene	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
Styrene	ND	0.50	100	µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
1,1,1,2-Tetrachloroethane	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 24L1189

Date Received: 12/17/2024

Field Sample #: Eff | Sampled: 12/16/2024 12:00

Sample ID: 24L1189-02

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
Tetrachloroethylene	ND	0.50	5	µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
Toluene	ND	0.50	1000	µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
1,2,3-Trichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
1,2,4-Trichlorobenzene	ND	0.50	70	µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
1,3,5-Trichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
1,1,1-Trichloroethane	ND	0.50	200	µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
1,1,2-Trichloroethane	ND	0.50	5	µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
Trichloroethylene	ND	0.50	5	µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
1,2,3-Trichloropropane	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
1,2,4-Trimethylbenzene	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
1,3,5-Trimethylbenzene	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
Vinyl Chloride	ND	0.50	2	µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
m&p-Xylene	ND	1.0		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
o-Xylene	ND	0.50		µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH
Xylenes (total)	ND	1.5	10000	µg/L	1		EPA 524.2	12/17/24	12/18/24 10:13	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
4-Bromofluorobenzene	99.2	80-120		12/18/24 10:13
1,2-Dichlorobenzene-d4	106	80-120		12/18/24 10:13

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 24L1189

Date Received: 12/17/2024

Field Sample #: Trip Blank | Sampled: 12/17/2024 09:00

Sample ID: 24L1189-03

Sample Matrix: Trip Blank Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.17	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
Bromobenzene	ND	0.50	0.14	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
Bromochloromethane	ND	0.50	0.16	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
Bromodichloromethane	ND	0.50	0.12	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
Bromoform	ND	0.50	0.17	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
Bromomethane	ND	0.50	0.34	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
n-Butylbenzene	ND	0.50	0.18	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
sec-Butylbenzene	ND	0.50	0.13	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
tert-Butylbenzene	ND	0.50	0.13	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
Carbon Tetrachloride	ND	0.50	0.16	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
Chlorobenzene	ND	0.50	0.14	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
Chloroethane	ND	0.50	0.19	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
Chloroform	ND	0.50	0.17	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
Chloromethane	ND	0.50	0.37	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
2-Chlorotoluene	ND	0.50	0.13	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
4-Chlorotoluene	ND	0.50	0.16	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
Dibromochloromethane	ND	0.50	0.13	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
Dibromomethane	ND	0.50	0.12	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
1,2-Dichlorobenzene	ND	0.50	0.15	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
1,3-Dichlorobenzene	ND	0.50	0.14	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
1,4-Dichlorobenzene	ND	0.50	0.16	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.21	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
1,1-Dichloroethane	ND	0.50	0.17	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
1,2-Dichloroethane	ND	0.50	0.16	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
1,1-Dichloroethylene	ND	0.50	0.11	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
trans-1,2-Dichloroethylene	ND	0.50	0.18	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
1,2-Dichloropropane	ND	0.50	0.17	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
2,2-Dichloropropane	ND	0.50	0.17	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
1,1-Dichloropropene	ND	0.50	0.14	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
trans-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
1,3-Dichloropropene (total)	ND	1.0	0.30	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
Ethylbenzene	ND	0.50	0.14	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
Hexachlorobutadiene	ND	0.50	0.31	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
Isopropylbenzene (Cumene)	ND	0.50	0.15	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	0.14	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.13	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
Methylene Chloride	ND	0.50	0.18	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
Naphthalene	ND	1.0	0.37	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
n-Propylbenzene	ND	0.50	0.13	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
Styrene	ND	0.50	0.15	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH

Pace Analytical Services, LLC - East Longmeadow, Ma

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Project Location: Bristol, VT | Sample Description: | Work Order: 24L1189

Date Received: 12/17/2024

Field Sample #: Trip Blank | Sampled: 12/17/2024 09:00

Sample ID: 24L1189-03

Sample Matrix: Trip Blank Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.16	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
Tetrachloroethylene	ND	0.50	0.16	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
Toluene	ND	0.50	0.17	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
1,2,3-Trichlorobenzene	ND	0.50	0.24	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
1,2,4-Trichlorobenzene	ND	0.50	0.32	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
1,3,5-Trichlorobenzene	ND	0.50	0.23	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
1,1,1-Trichloroethane	ND	0.50	0.18	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
1,1,2-Trichloroethane	ND	0.50	0.14	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
Trichloroethylene	ND	0.50	0.15	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50	0.16	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
1,2,3-Trichloropropane	ND	0.50	0.12	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
1,2,4-Trimethylbenzene	ND	0.50	0.22	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
1,3,5-Trimethylbenzene	ND	0.50	0.14	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
Vinyl Chloride	ND	0.50	0.29	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
m&p-Xylene	ND	1.0	0.30	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
o-Xylene	ND	0.50	0.18	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH
Xylenes (total)	ND	1.5	0.93	µg/L	1		EPA 524.2	12/17/24	12/18/24 9:48	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
4-Bromofluorobenzene	98.6	80-120		12/18/24 9:48	
1,2-Dichlorobenzene-d4	104	80-120		12/18/24 9:48	

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Sample Extraction Data

Prep Method:EPA 524.2 **Analytical Method:EPA 524.2**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
24L1189-01 [Inf]	B394836	5	5.00	12/17/24
24L1189-02 [Eff]	B394836	5	5.00	12/17/24
24L1189-03 [Trip Blank]	B394836	5	5.00	12/17/24

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QUALITY CONTROL

Drinking Water Organics EPA 500 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B394836 - EPA 524.2										
Blank (B394836-BLK1)				Prepared: 12/17/24 Analyzed: 12/18/24						
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromochloromethane	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	0.50	µg/L							
Bromomethane	ND	0.50	µg/L							
n-Butylbenzene	ND	0.50	µg/L							
sec-Butylbenzene	ND	0.50	µg/L							
tert-Butylbenzene	ND	0.50	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	0.50	µg/L							
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
Dibromochloromethane	ND	0.50	µg/L							
Dibromomethane	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	0.50	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	0.50	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	0.50	µg/L							
Naphthalene	ND	1.0	µg/L							
n-Propylbenzene	ND	0.50	µg/L							
Styrene	ND	0.50	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	0.50	µg/L							
Toluene	ND	0.50	µg/L							
1,2,3-Trichlorobenzene	ND	0.50	µg/L							
1,2,4-Trichlorobenzene	ND	0.50	µg/L							
1,3,5-Trichlorobenzene	ND	0.50	µg/L							
1,1,1-Trichloroethane	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							
Trichloroethylene	ND	0.50	µg/L							

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QUALITY CONTROL

Drinking Water Organics EPA 500 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B394836 - EPA 524.2										
Blank (B394836-BLK1)				Prepared: 12/17/24 Analyzed: 12/18/24						
Trichlorofluoromethane (Freon 11)	ND	0.50	µg/L							
1,2,3-Trichloropropane	ND	0.50	µg/L							
1,2,4-Trimethylbenzene	ND	0.50	µg/L							
1,3,5-Trimethylbenzene	ND	0.50	µg/L							
Vinyl Chloride	ND	0.50	µg/L							
m&p-Xylene	ND	1.0	µg/L							
o-Xylene	ND	0.50	µg/L							
Surrogate: 4-Bromofluorobenzene	*24.9*		µg/L	25.00		99.8	80-120			
Surrogate: 1,2-Dichlorobenzene-d4	*26.1*		µg/L	25.00		104	80-120			
LCS (B394836-BS1)				Prepared: 12/17/24 Analyzed: 12/18/24						
Benzene	9.8	0.50	µg/L	10.00		98.2	70-130			
Bromobenzene	9.7	0.50	µg/L	10.00		96.7	70-130			
Bromochloromethane	10	0.50	µg/L	10.00		103	70-130			
Bromodichloromethane	10	0.50	µg/L	10.00		103	70-130			
Bromoform	11	0.50	µg/L	10.00		111	70-130			
Bromomethane	8.6	0.50	µg/L	10.00		85.8	70-130			
n-Butylbenzene	10	0.50	µg/L	10.00		101	70-130			
sec-Butylbenzene	10	0.50	µg/L	10.00		104	70-130			
tert-Butylbenzene	10	0.50	µg/L	10.00		104	70-130			
Carbon Tetrachloride	12	0.50	µg/L	10.00		117	70-130			
Chlorobenzene	11	0.50	µg/L	10.00		107	70-130			
Chloroethane	9.2	0.50	µg/L	10.00		92.4	70-130			
Chloroform	10	0.50	µg/L	10.00		102	70-130			
Chloromethane	8.8	0.50	µg/L	10.00		88.0	70-130			
2-Chlorotoluene	9.6	0.50	µg/L	10.00		95.9	70-130			
4-Chlorotoluene	10	0.50	µg/L	10.00		100	70-130			
Dibromochloromethane	10	0.50	µg/L	10.00		102	70-130			
Dibromomethane	10	0.50	µg/L	10.00		105	70-130			
1,2-Dichlorobenzene	11	0.50	µg/L	10.00		111	70-130			
1,3-Dichlorobenzene	11	0.50	µg/L	10.00		113	70-130			
1,4-Dichlorobenzene	11	0.50	µg/L	10.00		109	70-130			
Dichlorodifluoromethane (Freon 12)	11	0.50	µg/L	10.00		111	70-130			
1,1-Dichloroethane	10	0.50	µg/L	10.00		104	70-130			
1,2-Dichloroethane	11	0.50	µg/L	10.00		109	70-130			
1,1-Dichloroethylene	10	0.50	µg/L	10.00		104	70-130			
cis-1,2-Dichloroethylene	10	0.50	µg/L	10.00		99.8	70-130			
trans-1,2-Dichloroethylene	9.6	0.50	µg/L	10.00		95.8	70-130			
1,2-Dichloropropane	10	0.50	µg/L	10.00		99.9	70-130			
1,3-Dichloropropane	9.8	0.50	µg/L	10.00		98.4	70-130			
2,2-Dichloropropane	11	0.50	µg/L	10.00		107	70-130			
1,1-Dichloropropene	11	0.50	µg/L	10.00		107	70-130			
cis-1,3-Dichloropropene	9.1	0.50	µg/L	10.00		90.6	70-130			
trans-1,3-Dichloropropene	9.7	0.50	µg/L	10.00		97.0	70-130			
Ethylbenzene	11	0.50	µg/L	10.00		106	70-130			
Hexachlorobutadiene	12	0.50	µg/L	10.00		119	70-130			
Isopropylbenzene (Cumene)	11	0.50	µg/L	10.00		105	70-130			
p-Isopropyltoluene (p-Cymene)	11	0.50	µg/L	10.00		107	70-130			
Methyl tert-Butyl Ether (MTBE)	9.9	0.50	µg/L	10.00		98.6	70-130			
Methylene Chloride	9.9	0.50	µg/L	10.00		99.4	70-130			
Naphthalene	12	1.0	µg/L	10.00		115	70-130			
n-Propylbenzene	10	0.50	µg/L	10.00		101	70-130			

Pace Analytical Services, LLC - East Longmeadow, Ma

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QUALITY CONTROL

Drinking Water Organics EPA 500 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B394836 - EPA 524.2											
LCS (B394836-BS1)				Prepared: 12/17/24 Analyzed: 12/18/24							
Styrene	10	0.50	µg/L	10.00		104		70-130			
1,1,1,2-Tetrachloroethane	11	0.50	µg/L	10.00		107		70-130			
1,1,2,2-Tetrachloroethane	10	0.50	µg/L	10.00		100		70-130			
Tetrachloroethylene	13	0.50	µg/L	10.00		126		70-130			
Toluene	11	0.50	µg/L	10.00		105		70-130			
1,2,3-Trichlorobenzene	14	0.50	µg/L	10.00		**142**	*	70-130			L-01
1,2,4-Trichlorobenzene	13	0.50	µg/L	10.00		126		70-130			
1,3,5-Trichlorobenzene	12	0.50	µg/L	10.00		119		70-130			
1,1,1-Trichloroethane	11	0.50	µg/L	10.00		111		70-130			
1,1,2-Trichloroethane	10	0.50	µg/L	10.00		100		70-130			
Trichloroethylene	11	0.50	µg/L	10.00		109		70-130			
Trichlorofluoromethane (Freon 11)	11	0.50	µg/L	10.00		112		70-130			
1,2,3-Trichloropropane	9.9	0.50	µg/L	10.00		99.0		70-130			
1,2,4-Trimethylbenzene	10	0.50	µg/L	10.00		102		70-130			
1,3,5-Trimethylbenzene	10	0.50	µg/L	10.00		102		70-130			
Vinyl Chloride	9.7	0.50	µg/L	10.00		96.6		70-130			
m&p-Xylene	21	1.0	µg/L	20.00		103		70-130			
o-Xylene	10	0.50	µg/L	10.00		104		70-130			
Surrogate: 4-Bromofluorobenzene	*24.9*		µg/L	25.00		99.6		80-120			
Surrogate: 1,2-Dichlorobenzene-d4	*26.7*		µg/L	25.00		107		80-120			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-01	Laboratory fortified blank/laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Pace Analytical Services, LLC - East Longmeadow, Ma

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA 524.2 in Drinking Water	
Benzene	CT,MA,NH,NY,RI,ME,VA,VT-DW
Bromobenzene	CT,MA,NH,NY,RI,VT-DW
Bromochloromethane	CT,MA,NH,NY,RI,VT-DW
Bromodichloromethane	MA,NH,NY,RI,ME,VA,VT-DW
Bromoform	CT,MA,NH,NY,RI,ME,VT-DW
Bromomethane	CT,MA,NH,NY,RI,VT-DW
n-Butylbenzene	CT,MA,NH,NY,RI,VT-DW
sec-Butylbenzene	CT,MA,NH,NY,RI,VT-DW
tert-Butylbenzene	CT,MA,NH,NY,RI,VT-DW
Carbon Tetrachloride	CT,MA,NH,NY,RI,ME,VA,VT-DW
Chlorobenzene	CT,MA,NH,NY,RI,ME,VA,VT-DW
Chloroethane	CT,MA,NH,NY,RI,VT-DW
Chloroform	MA,NH,NY,RI,ME,VA,VT-DW
Chloromethane	CT,MA,NH,NY,RI,VT-DW
2-Chlorotoluene	CT,MA,NH,NY,RI,VT-DW
4-Chlorotoluene	CT,MA,NH,NY,RI,VT-DW
Dibromochloromethane	MA,NH,NY,RI,ME,VA,VT-DW
Dibromomethane	CT,MA,NH,NY,RI,VT-DW
1,2-Dichlorobenzene	CT,MA,NH,NY,RI,ME,VA,VT-DW
1,3-Dichlorobenzene	CT,MA,NH,NY,RI,VT-DW
1,4-Dichlorobenzene	CT,MA,NH,NY,RI,ME,VA,VT-DW
Dichlorodifluoromethane (Freon 12)	CT,MA,NH,NY,RI,VT-DW
1,1-Dichloroethane	CT,MA,NH,NY,RI,VT-DW
1,2-Dichloroethane	CT,MA,NH,NY,RI,ME,VA,VT-DW
1,1-Dichloroethylene	CT,MA,NH,NY,RI,ME,VA,VT-DW
cis-1,2-Dichloroethylene	CT,MA,NH,NY,RI,ME,VA,VT-DW
trans-1,2-Dichloroethylene	CT,MA,NH,NY,RI,ME,VA,VT-DW
1,2-Dichloropropane	CT,MA,NH,NY,RI,ME,VA,VT-DW
1,3-Dichloropropane	CT,MA,NH,NY,RI,VT-DW
2,2-Dichloropropane	CT,MA,NH,NY,RI,VT-DW
1,1-Dichloropropene	CT,MA,NH,NY,RI,VT-DW
cis-1,3-Dichloropropene	CT,MA,NH,NY,RI,VT-DW
trans-1,3-Dichloropropene	CT,MA,NH,NY,RI,VT-DW
1,3-Dichloropropene (total)	CT,MA
Ethylbenzene	CT,MA,NH,NY,RI,ME,VA,VT-DW
Hexachlorobutadiene	CT,MA,NH,NY,RI,VT-DW
Isopropylbenzene (Cumene)	CT,MA,NH,NY,RI,VT-DW
p-Isopropyltoluene (p-Cymene)	CT,MA,NH,NY,RI,VT-DW
Methyl tert-Butyl Ether (MTBE)	CT,MA,NH,NY,RI,ME,VT-DW
Methylene Chloride	CT,MA,NH,NY,RI,ME,VA,VT-DW
Naphthalene	NY
n-Propylbenzene	CT,MA,NH,NY,RI,VT-DW
Styrene	CT,MA,NH,NY,RI,ME,VA,VT-DW
1,1,1,2-Tetrachloroethane	CT,MA,NH,NY,RI,VT-DW
1,1,2,2-Tetrachloroethane	CT,MA,NH,NY,RI,VT-DW
Tetrachloroethylene	CT,MA,NH,NY,RI,ME,VA,VT-DW
Toluene	CT,MA,NH,NY,RI,ME,VA,VT-DW

Pace Analytical Services, LLC - East Longmeadow, Ma

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA 524.2 in Drinking Water	
1,2,3-Trichlorobenzene	CT,MA,NH,NY,RI,VT-DW
1,2,4-Trichlorobenzene	CT,MA,NH,NY,RI,ME,VA,VT-DW
1,1,1-Trichloroethane	CT,MA,NH,NY,RI,ME,VA,VT-DW
1,1,2-Trichloroethane	CT,MA,NH,NY,RI,ME,VA,VT-DW
Trichloroethylene	CT,MA,NH,NY,RI,ME,VA,VT-DW
Trichlorofluoromethane (Freon 11)	CT,MA,NH,NY,RI,VT-DW
1,2,3-Trichloropropane	CT,MA,NH,NY,RI,VT-DW
1,2,4-Trimethylbenzene	CT,MA,NH,NY,RI,VT-DW
1,3,5-Trimethylbenzene	CT,MA,NH,NY,RI,VT-DW
Vinyl Chloride	CT,MA,NH,NY,RI,ME,VA,VT-DW
m&p-Xylene	VA
o-Xylene	VA
Xylenes (total)	CT,MA,NH,NY,RI,ME,VA,VT-DW

Pace Analytical Services, LLC - East Longmeadow, Ma, operates under the following certifications and accreditations:

Code	Description	Number	Expires
MA	Massachusetts DEP	M-MA100	06/30/2025
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2025
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2025
RI	Rhode Island Department of Health	LAO00373	12/30/2024
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2025
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2024

24L1189 RF

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CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 5_07/13/2021

Page 1 of 1

Company Name:	Aldas
Address:	51 Right Lane Williston VT
Phone:	607 437 - 8293
Project Name:	Bristol POET
Project Location:	VT
Project Number:	280EM01274
Project Manager:	Jo Palmer
Pace Quote Name/Number:	
Invoice Recipient:	APVT Johanna Palmer
Sampled By:	Jo Palmer

Requested Turnaround Time			
7-Day	☐	10-Day	☐
PFAS 10-Day (std)	☐	Due Date:	
Rush-Approval Required			
1-Day	☒	3-Day	☐
2-Day	☐	4-Day	☐

Dissolved Metals Samples	
○	Field Filtered
○	Lab to Filter
Orthophosphate Samples	
○	Field Filtered
○	Lab to Filter

Data Delivery			
Format:	PDF ☒	EXCEL ☒	
Other:			
CLP Like Data Pkg Required:	☐		
Email To:	johanna.palmer@pacelabs.com		
Fax To #:			

PCB ONLY
SOXHLET ☐
NON SOXHLET ☐

ANALYSIS REQUESTED

Pace Work Order#	Client Sample ID / Description	Date	Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	524.2 Full list
1	INF	12/16/24	1230	G	DW	L	3					6
2	EFF		1200		DW	L	3					6
3	Trip Blank	✓	0900	↓	TB	L	2					6

[2] Preservation Code
Courier Use Only
Total Number Of:
VIALS_____
GLASS_____
PLASTIC_____
BACTERIA_____
ENCORE_____

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

*Pace Analytical is not responsible for missing samples from prepacked coolers

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

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define) Trip Blank

Relinquished by: (signature)		Date/Time: 12/17/24 0900
Received by: (signature)		Date/Time: 12/17/24 1206
Relinquished by: (signature)		Date/Time:
Received by: (signature)	12-06	Date/Time: 12-17-24
Relinquished by: (signature)	16:10	Date/Time: 12-17-24
Received by: (signature)	3.1	Date/Time: 12/17/24
Relinquished by: (signature)		Date/Time: 1610
Received by: (signature)		Date/Time:

Client Comments: 1-Day rush please!

Detection Limit Requirements	
MA	
CT	
Other:	

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

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

NELAC and AIHA-LAP, LLC Accredited

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

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

Lab Comments:

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

Exhibit S

Table of Contents

Exhibit S

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0001 v08_Sample Receiving Checklist
	Effective Date: 06/11/2024

Log In Back-Sheet

Client Atlas (VT)

Project # 280EM01274

MCP/RCP Required no

Deliverable Package Requirement none

Location VT

PWSID# (When Applicable) n/a

Arrival Method:

Courier ☑ Fed Ex ☐ Walk In ☐ Other ☐

Received By / Date / Time MCM 12/17/24 1610

Back-Sheet By / Date / Time MCM 12/17/24 2131

Temperature Method Gun # 6

WV samples: Yes (see note*) / No (follow normal procedure)

Temp < 6° C Actual Temperature 3.1

Rush Samples: Yes / No Notify Yes VOA teams

Short Hold: Yes / No Notify No

Notes regarding Samples/COC outside of SOP:

Login Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy) Any False statement will be brought to the attention of the Client – True or False

	True	False
Received on Ice	☑	☐
Received in Cooler	☑	☐
Custody Seal: DATE TIME	☐	☑
COC Relinquished	☑	☐
COC/Samples Labels Agree	☑	☐
All Samples in Good Condition	☑	☐
Samples Received within Holding Time	☑	☐
Is there enough Volume	☑	☐
Proper Media/Container Used	☑	☐
Splitting Samples Required	☐	☑
MS/MSD	☐	☑
Trip Blanks	☑	☐
Lab to Filters	☐	☑
COC Legible	☑	☐

COC Included: (Check all included)

Client ☑ Analysis ☑ Sampler Name ☑

Project ☑ IDs ☑ Collection Date/Time ☑

All Samples Proper pH: N/A ☐ ☐

Additional Container Notes

**Note: West Virginia requires all samples to have their temperature taken. Note any outliers.*

Qualtrax ID: 120836

Exhibit S

Quaitrax ID: 120836

Sample	Soils Jars (Circle Amb/Clear)				Ambers						Plastics												VOA Vials						Other / Fill in					
	16oz Amb/Clear	8oz Amb/Clear	4oz Amb/Clear	2oz Amb/Clear	1 Liter		250mL			100mL	1 Liter		500mL		250mL								Unpreserved	HCl	MeOH	D.I. Water	Bisulfate	Col/Bact						
					Unpreserved	HCL	Sulfuric	Sulfuric	Phosphoric	HCl	Unpreserved	Sulfuric	Unpreserved	Sulfuric	Unpreserved	Trizma	Sulfuric	Nitric	NaOH	Ammonium Acetate	NaOH/Zinc												
1																								3										
2																								1										
3																								2										
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18																																		
19																																		
20																																		

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0001 v08_Sample Receiving Checklist
	Effective Date: 06/11/2024

Exhibit S

Pace Analytical Services, LLC - East Longmeadow, Ma

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

January 22, 2025

Jo Palmer
Atlas Technical Consultants - Vermont
51 Knight Lane, PO Box 1486
Williston, VT 05495

Project Location: Bristol, VT
Client Job Number:
Project Number: 280EM01274
Laboratory Work Order Number: 25A0638

Enclosed are results of analyses for samples as received by the laboratory on January 14, 2025. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Rebecca Faust
Project Manager

Exhibit S

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Pace Analytical Services, LLC - East Longmeadow, Ma

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

Atlas Technical Consultants - Vermont
51 Knight Lane, PO Box 1486
Williston, VT 05495
ATTN: Jo Palmer

REPORT DATE: 1/22/2025

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 280EM01274

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 25A0638

The results of analyses performed on the following samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, are found in this report.

PROJECT LOCATION: Bristol, VT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Sump	25A0638-01	Ground Water		SW-846 8260D	
Kitchen Sink	25A0638-02	Drinking Water		EPA 524.2	
Mid	25A0638-03	Drinking Water		EPA 524.2	
Inf	25A0638-04	Drinking Water		EPA 524.2	

Exhibit S

Pace Analytical Services, LLC - East Longmeadow, Ma

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

CASE NARRATIVE SUMMARY

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

EPA 524.2

Qualifications:

L-01

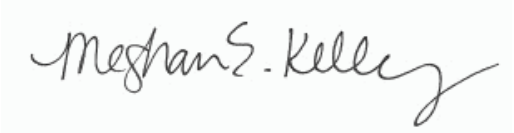
Laboratory fortified blank/laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Analyte & Samples(s) Qualified:

Trichlorofluoromethane (Freon 11)

B397173-BS1

The results of analyses reported only relate to samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Meghan E. Kelley
Reporting Specialist

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25A0638

Date Received: 1/14/2025

Field Sample #: Sump | Sampled: 1/10/2025 09:30

Sample ID: 25A0638-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	2.1	50	2.0	µg/L	1	J	SW-846 8260D	1/15/25	1/16/25 11:39	EEH
Acrylonitrile	ND	5.0	1.2	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.15	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
Bromobenzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
2-Butanone (MEK)	ND	20	1.4	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
tert-Butyl Alcohol (TBA)	ND	20	3.4	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.16	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
2-Chlorotoluene	ND	1.0	0.21	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
4-Chlorotoluene	ND	1.0	0.16	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
Dibromomethane	ND	1.0	0.24	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	1.1	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
1,3-Dichloropropane	ND	0.50	0.097	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
2,2-Dichloropropane	ND	1.0	0.33	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
1,1-Dichloropropene	ND	2.0	0.17	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25A0638

Date Received: 1/14/2025

Field Sample #: Sump | Sampled: 1/10/2025 09:30

Sample ID: 25A0638-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.17	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
1,4-Dioxane	ND	50	11	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
Hexachlorobutadiene	ND	0.60	0.31	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
Naphthalene	ND	2.0	0.25	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	0.21	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
Tetrahydrofuran	ND	10	0.50	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
1,3,5-Trichlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
Vinyl Chloride	ND	2.0	0.19	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	1/15/25	1/16/25 11:39	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	97.6	70-130		1/16/25 11:39
Toluene-d8	98.0	70-130		1/16/25 11:39
4-Bromofluorobenzene	99.4	70-130		1/16/25 11:39

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25A0638

Date Received: 1/14/2025

Field Sample #: Kitchen Sink | Sampled: 1/10/2025 09:40

Sample ID: 25A0638-02

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	5	µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
Bromobenzene	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
Bromochloromethane	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
Bromodichloromethane	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
Bromoform	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
Bromomethane	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
n-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
sec-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
tert-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
Carbon Tetrachloride	ND	0.50	5	µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
Chlorobenzene	ND	0.50	100	µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
Chloroethane	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
Chloroform	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
Chloromethane	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
2-Chlorotoluene	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
4-Chlorotoluene	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
Dibromochloromethane	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
Dibromomethane	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
1,2-Dichlorobenzene	ND	0.50	600	µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
1,3-Dichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
1,4-Dichlorobenzene	ND	0.50	75	µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
1,1-Dichloroethane	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
1,2-Dichloroethane	ND	0.50	5	µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
1,1-Dichloroethylene	ND	0.50	7	µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
cis-1,2-Dichloroethylene	ND	0.50	70	µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
trans-1,2-Dichloroethylene	ND	0.50	100	µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
1,2-Dichloropropane	ND	0.50	5	µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
1,3-Dichloropropane	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
2,2-Dichloropropane	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
1,1-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
cis-1,3-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
trans-1,3-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
1,3-Dichloropropene (total)	ND	1.0		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
Ethylbenzene	ND	0.50	700	µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
Hexachlorobutadiene	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
Isopropylbenzene (Cumene)	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
Methylene Chloride	ND	0.50	5	µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
Naphthalene	ND	1.0		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
n-Propylbenzene	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
Styrene	ND	0.50	100	µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
1,1,1,2-Tetrachloroethane	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25A0638

Date Received: 1/14/2025

Field Sample #: Kitchen Sink | Sampled: 1/10/2025 09:40

Sample ID: 25A0638-02

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
Tetrachloroethylene	ND	0.50	5	µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
Toluene	ND	0.50	1000	µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
1,2,3-Trichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
1,2,4-Trichlorobenzene	ND	0.50	70	µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
1,3,5-Trichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
1,1,1-Trichloroethane	ND	0.50	200	µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
1,1,2-Trichloroethane	ND	0.50	5	µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
Trichloroethylene	ND	0.50	5	µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
Trichlorofluoromethane (Freon 11)	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
1,2,3-Trichloropropane	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
1,2,4-Trimethylbenzene	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
1,3,5-Trimethylbenzene	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
Vinyl Chloride	ND	0.50	2	µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
m&p-Xylene	ND	1.0		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
o-Xylene	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF
Xylenes (total)	ND	1.5	10000	µg/L	1		EPA 524.2	1/15/25	1/15/25 12:22	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
4-Bromofluorobenzene	105	80-120		1/15/25 12:22
1,2-Dichlorobenzene-d4	104	80-120		1/15/25 12:22

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25A0638

Date Received: 1/14/2025

Field Sample #: Mid | Sampled: 1/10/2025 09:45

Sample ID: 25A0638-03

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	5	µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
Bromobenzene	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
Bromochloromethane	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
Bromodichloromethane	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
Bromoform	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
Bromomethane	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
n-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
sec-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
tert-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
Carbon Tetrachloride	ND	0.50	5	µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
Chlorobenzene	ND	0.50	100	µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
Chloroethane	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
Chloroform	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
Chloromethane	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
2-Chlorotoluene	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
4-Chlorotoluene	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
Dibromochloromethane	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
Dibromomethane	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
1,2-Dichlorobenzene	ND	0.50	600	µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
1,3-Dichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
1,4-Dichlorobenzene	ND	0.50	75	µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
1,1-Dichloroethane	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
1,2-Dichloroethane	ND	0.50	5	µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
1,1-Dichloroethylene	ND	0.50	7	µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
cis-1,2-Dichloroethylene	ND	0.50	70	µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
trans-1,2-Dichloroethylene	ND	0.50	100	µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
1,2-Dichloropropane	ND	0.50	5	µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
1,3-Dichloropropane	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
2,2-Dichloropropane	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
1,1-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
cis-1,3-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
trans-1,3-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
1,3-Dichloropropene (total)	ND	1.0		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
Ethylbenzene	ND	0.50	700	µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
Hexachlorobutadiene	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
Isopropylbenzene (Cumene)	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
Methylene Chloride	ND	0.50	5	µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
Naphthalene	ND	1.0		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
n-Propylbenzene	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
Styrene	ND	0.50	100	µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
1,1,1,2-Tetrachloroethane	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25A0638

Date Received: 1/14/2025

Field Sample #: Mid | Sampled: 1/10/2025 09:45

Sample ID: 25A0638-03

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
Tetrachloroethylene	ND	0.50	5	µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
Toluene	ND	0.50	1000	µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
1,2,3-Trichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
1,2,4-Trichlorobenzene	ND	0.50	70	µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
1,3,5-Trichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
1,1,1-Trichloroethane	ND	0.50	200	µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
1,1,2-Trichloroethane	ND	0.50	5	µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
Trichloroethylene	ND	0.50	5	µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
Trichlorofluoromethane (Freon 11)	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
1,2,3-Trichloropropane	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
1,2,4-Trimethylbenzene	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
1,3,5-Trimethylbenzene	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
Vinyl Chloride	ND	0.50	2	µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
m&p-Xylene	ND	1.0		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
o-Xylene	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF
Xylenes (total)	ND	1.5	10000	µg/L	1		EPA 524.2	1/15/25	1/15/25 12:47	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
4-Bromofluorobenzene	106	80-120		1/15/25 12:47
1,2-Dichlorobenzene-d4	105	80-120		1/15/25 12:47

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25A0638

Date Received: 1/14/2025

Field Sample #: Inf | Sampled: 1/10/2025 09:50

Sample ID: 25A0638-04

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
# Benzene	170	5.0	5	µg/L	10		EPA 524.2	1/16/25	1/21/25 19:04	EEH
Bromobenzene	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
Bromochloromethane	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
Bromodichloromethane	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
Bromoform	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
Bromomethane	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
n-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
sec-Butylbenzene	0.19	0.50		µg/L	1	J	EPA 524.2	1/15/25	1/15/25 14:30	MFF
tert-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
Carbon Tetrachloride	ND	0.50	5	µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
Chlorobenzene	ND	0.50	100	µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
Chloroethane	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
Chloroform	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
Chloromethane	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
2-Chlorotoluene	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
4-Chlorotoluene	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
Dibromochloromethane	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
Dibromomethane	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
1,2-Dichlorobenzene	ND	0.50	600	µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
1,3-Dichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
1,4-Dichlorobenzene	ND	0.50	75	µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
1,1-Dichloroethane	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
1,2-Dichloroethane	ND	0.50	5	µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
1,1-Dichloroethylene	ND	0.50	7	µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
cis-1,2-Dichloroethylene	ND	0.50	70	µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
trans-1,2-Dichloroethylene	ND	0.50	100	µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
1,2-Dichloropropane	ND	0.50	5	µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
1,3-Dichloropropane	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
2,2-Dichloropropane	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
1,1-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
cis-1,3-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
trans-1,3-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
1,3-Dichloropropene (total)	ND	1.0		µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
Ethylbenzene	4.2	0.50	700	µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
Hexachlorobutadiene	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
Isopropylbenzene (Cumene)	1.7	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
Methyl tert-Butyl Ether (MTBE)	1.2	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
Methylene Chloride	ND	0.50	5	µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
Naphthalene	1.5	1.0		µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
n-Propylbenzene	2.6	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
Styrene	ND	0.50	100	µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
1,1,1,2-Tetrachloroethane	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF

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Project Location: Bristol, VT | Sample Description: | Work Order: 25A0638

Date Received: 1/14/2025

Field Sample #: Inf | Sampled: 1/10/2025 09:50

Sample ID: 25A0638-04

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
Tetrachloroethylene	2.0	0.50	5	µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
Toluene	56	0.50	1000	µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
1,2,3-Trichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
1,2,4-Trichlorobenzene	ND	0.50	70	µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
1,3,5-Trichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
1,1,1-Trichloroethane	ND	0.50	200	µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
1,1,2-Trichloroethane	ND	0.50	5	µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
Trichloroethylene	ND	0.50	5	µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
Trichlorofluoromethane (Freon 11)	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
1,2,3-Trichloropropane	ND	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
1,2,4-Trimethylbenzene	20	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
1,3,5-Trimethylbenzene	8.8	0.50		µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
Vinyl Chloride	ND	0.50	2	µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
m&p-Xylene	140	1.0		µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF
o-Xylene	100	5.0		µg/L	10		EPA 524.2	1/16/25	1/21/25 19:04	EEH
Xylenes (total)	280	1.5	10000	µg/L	1		EPA 524.2	1/15/25	1/15/25 14:30	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
4-Bromofluorobenzene	98.3	80-120		1/21/25 19:04
4-Bromofluorobenzene	105	80-120		1/15/25 14:30
1,2-Dichlorobenzene-d4	100	80-120		1/21/25 19:04
1,2-Dichlorobenzene-d4	106	80-120		1/15/25 14:30

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Sample Extraction Data

Prep Method:EPA 524.2 **Analytical Method:EPA 524.2**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25A0638-02 [Kitchen Sink]	B396758	5	5.00	01/15/25
25A0638-03 [Mid]	B396758	5	5.00	01/15/25
25A0638-04 [Inf]	B396758	5	5.00	01/15/25

Prep Method:EPA 524.2 **Analytical Method:EPA 524.2**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25A0638-04RE1 [Inf]	B397173	0.5	5.00	01/16/25

Prep Method:SW-846 5030B **Analytical Method:SW-846 8260D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25A0638-01 [Sump]	B396862	5	5.00	01/15/25

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B396862 - SW-846 5030B										
Blank (B396862-BLK1)				Prepared: 01/15/25 Analyzed: 01/16/25						
Acetone	ND	50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
1,1-Dichloropropene	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B396862 - SW-846 5030B										
Blank (B396862-BLK1)				Prepared: 01/15/25 Analyzed: 01/16/25						
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,3,5-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	*24.8*		µg/L	25.00		99.4	70-130			
Surrogate: Toluene-d8	*24.4*		µg/L	25.00		97.7	70-130			
Surrogate: 4-Bromofluorobenzene	*25.0*		µg/L	25.00		100	70-130			
LCS (B396862-BS1)				Prepared: 01/15/25 Analyzed: 01/16/25						
Acetone	99.2	50	µg/L	100.0		99.2	70-160			†
Acrylonitrile	10.0	5.0	µg/L	10.00		100	70-130			
tert-Amyl Methyl Ether (TAME)	9.93	0.50	µg/L	10.00		99.3	70-130			
Benzene	9.77	1.0	µg/L	10.00		97.7	70-130			
Bromobenzene	10.4	1.0	µg/L	10.00		104	70-130			
Bromochloromethane	9.79	1.0	µg/L	10.00		97.9	70-130			
Bromodichloromethane	10.6	0.50	µg/L	10.00		106	70-130			
Bromoform	10.5	1.0	µg/L	10.00		105	70-130			
Bromomethane	8.49	2.0	µg/L	10.00		84.9	40-160			†
2-Butanone (MEK)	97.6	20	µg/L	100.0		97.6	40-160			†
tert-Butyl Alcohol (TBA)	110	20	µg/L	100.0		110	40-160			†
n-Butylbenzene	10.3	1.0	µg/L	10.00		103	70-130			
sec-Butylbenzene	10.6	1.0	µg/L	10.00		106	70-130			
tert-Butylbenzene	10.5	1.0	µg/L	10.00		105	70-130			
tert-Butyl Ethyl Ether (TBEE)	9.75	0.50	µg/L	10.00		97.5	70-130			
Carbon Disulfide	97.6	5.0	µg/L	100.0		97.6	70-130			
Carbon Tetrachloride	9.76	5.0	µg/L	10.00		97.6	70-130			
Chlorobenzene	10.6	1.0	µg/L	10.00		106	70-130			
Chlorodibromomethane	10.7	0.50	µg/L	10.00		107	70-130			
Chloroethane	9.24	2.0	µg/L	10.00		92.4	70-130			
Chloroform	9.57	2.0	µg/L	10.00		95.7	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B396862 - SW-846 5030B										
LCS (B396862-BS1)				Prepared: 01/15/25 Analyzed: 01/16/25						
Chloromethane	9.50	2.0	µg/L	10.00		95.0	40-160			†
2-Chlorotoluene	9.92	1.0	µg/L	10.00		99.2	70-130			
4-Chlorotoluene	10.4	1.0	µg/L	10.00		104	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	11.8	5.0	µg/L	10.00		118	70-130			
1,2-Dibromoethane (EDB)	10.4	0.50	µg/L	10.00		104	70-130			
Dibromomethane	10.5	1.0	µg/L	10.00		105	70-130			
1,2-Dichlorobenzene	10.8	1.0	µg/L	10.00		108	70-130			
1,3-Dichlorobenzene	10.4	1.0	µg/L	10.00		104	70-130			
1,4-Dichlorobenzene	10.3	1.0	µg/L	10.00		103	70-130			
trans-1,4-Dichloro-2-butene	10.5	2.0	µg/L	10.00		105	70-130			
Dichlorodifluoromethane (Freon 12)	8.64	2.0	µg/L	10.00		86.4	40-160			†
1,1-Dichloroethane	9.95	1.0	µg/L	10.00		99.5	70-130			
1,2-Dichloroethane	9.40	1.0	µg/L	10.00		94.0	70-130			
1,1-Dichloroethylene	9.55	1.0	µg/L	10.00		95.5	70-130			
cis-1,2-Dichloroethylene	9.49	1.0	µg/L	10.00		94.9	70-130			
trans-1,2-Dichloroethylene	9.91	1.0	µg/L	10.00		99.1	70-130			
1,2-Dichloropropane	9.97	1.0	µg/L	10.00		99.7	70-130			
1,3-Dichloropropane	10.6	0.50	µg/L	10.00		106	70-130			
2,2-Dichloropropane	9.68	1.0	µg/L	10.00		96.8	40-130			†
1,1-Dichloropropene	9.88	2.0	µg/L	10.00		98.8	70-130			
cis-1,3-Dichloropropene	10.3	0.50	µg/L	10.00		103	70-130			
trans-1,3-Dichloropropene	10.8	0.50	µg/L	10.00		108	70-130			
Diethyl Ether	9.81	2.0	µg/L	10.00		98.1	70-130			
Diisopropyl Ether (DIPE)	9.62	0.50	µg/L	10.00		96.2	70-130			
1,4-Dioxane	113	50	µg/L	100.0		113	40-130			†
Ethylbenzene	10.5	1.0	µg/L	10.00		105	70-130			
Hexachlorobutadiene	10.7	0.60	µg/L	10.00		107	70-130			
2-Hexanone (MBK)	108	10	µg/L	100.0		108	70-160			†
Isopropylbenzene (Cumene)	10.1	1.0	µg/L	10.00		101	70-130			
p-Isopropyltoluene (p-Cymene)	10.3	1.0	µg/L	10.00		103	70-130			
Methyl Acetate	9.44	1.0	µg/L	10.00		94.4	70-130			
Methyl tert-Butyl Ether (MTBE)	10.0	1.0	µg/L	10.00		100	70-130			
Methyl Cyclohexane	9.55	1.0	µg/L	10.00		95.5	70-130			
Methylene Chloride	9.62	5.0	µg/L	10.00		96.2	70-130			
4-Methyl-2-pentanone (MIBK)	111	10	µg/L	100.0		111	70-160			†
Naphthalene	11.1	2.0	µg/L	10.00		111	40-130			†
n-Propylbenzene	10.4	1.0	µg/L	10.00		104	70-130			
Styrene	10.2	1.0	µg/L	10.00		102	70-130			
1,1,1,2-Tetrachloroethane	10.2	1.0	µg/L	10.00		102	70-130			
1,1,2,2-Tetrachloroethane	11.2	0.50	µg/L	10.00		112	70-130			
Tetrachloroethylene	9.95	1.0	µg/L	10.00		99.5	70-130			
Tetrahydrofuran	9.50	10	µg/L	10.00		95.0	70-130			J
Toluene	10.3	1.0	µg/L	10.00		103	70-130			
1,2,3-Trichlorobenzene	11.2	5.0	µg/L	10.00		112	70-130			
1,2,4-Trichlorobenzene	10.9	1.0	µg/L	10.00		109	70-130			
1,3,5-Trichlorobenzene	10.4	1.0	µg/L	10.00		104	70-130			
1,1,1-Trichloroethane	10.1	1.0	µg/L	10.00		101	70-130			
1,1,2-Trichloroethane	10.6	1.0	µg/L	10.00		106	70-130			
Trichloroethylene	10.5	1.0	µg/L	10.00		105	70-130			
Trichlorofluoromethane (Freon 11)	9.72	2.0	µg/L	10.00		97.2	70-130			
1,2,3-Trichloropropane	10.8	2.0	µg/L	10.00		108	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B396862 - SW-846 5030B										
LCS (B396862-BS1)				Prepared: 01/15/25 Analyzed: 01/16/25						
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.29	1.0	µg/L	10.00		92.9	70-130			
1,2,4-Trimethylbenzene	10.3	1.0	µg/L	10.00		103	70-130			
1,3,5-Trimethylbenzene	10.5	1.0	µg/L	10.00		105	70-130			
Vinyl Chloride	8.97	2.0	µg/L	10.00		89.7	40-160			†
m+p Xylene	20.4	2.0	µg/L	20.00		102	70-130			
o-Xylene	10.7	1.0	µg/L	10.00		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	*25.6*		µg/L	25.00		102	70-130			
Surrogate: Toluene-d8	*24.9*		µg/L	25.00		99.5	70-130			
Surrogate: 4-Bromofluorobenzene	*24.5*		µg/L	25.00		98.1	70-130			
LCS Dup (B396862-BSD1)				Prepared: 01/15/25 Analyzed: 01/16/25						
Acetone	96.3	50	µg/L	100.0		96.3	70-160	2.99	25	†
Acrylonitrile	9.79	5.0	µg/L	10.00		97.9	70-130	2.32	25	
tert-Amyl Methyl Ether (TAME)	10.1	0.50	µg/L	10.00		101	70-130	1.99	25	
Benzene	10.3	1.0	µg/L	10.00		103	70-130	5.18	25	
Bromobenzene	10.6	1.0	µg/L	10.00		106	70-130	2.09	25	
Bromochloromethane	10.5	1.0	µg/L	10.00		105	70-130	6.81	25	
Bromodichloromethane	10.6	0.50	µg/L	10.00		106	70-130	0.284	25	
Bromoform	10.6	1.0	µg/L	10.00		106	70-130	1.04	25	
Bromomethane	9.25	2.0	µg/L	10.00		92.5	40-160	8.57	25	†
2-Butanone (MEK)	95.2	20	µg/L	100.0		95.2	40-160	2.51	25	†
tert-Butyl Alcohol (TBA)	101	20	µg/L	100.0		101	40-160	8.16	25	†
n-Butylbenzene	10.9	1.0	µg/L	10.00		109	70-130	5.28	25	
sec-Butylbenzene	11.0	1.0	µg/L	10.00		110	70-130	4.35	25	
tert-Butylbenzene	10.8	1.0	µg/L	10.00		108	70-130	2.83	25	
tert-Butyl Ethyl Ether (TBEE)	10.1	0.50	µg/L	10.00		101	70-130	3.82	25	
Carbon Disulfide	103	5.0	µg/L	100.0		103	70-130	5.03	25	
Carbon Tetrachloride	10.6	5.0	µg/L	10.00		106	70-130	8.72	25	
Chlorobenzene	11.2	1.0	µg/L	10.00		112	70-130	5.52	25	
Chlorodibromomethane	10.6	0.50	µg/L	10.00		106	70-130	1.04	25	
Chloroethane	10.1	2.0	µg/L	10.00		101	70-130	8.60	25	
Chloroform	10.2	2.0	µg/L	10.00		102	70-130	6.57	25	
Chloromethane	9.87	2.0	µg/L	10.00		98.7	40-160	3.82	25	†
2-Chlorotoluene	10.3	1.0	µg/L	10.00		103	70-130	4.05	25	
4-Chlorotoluene	11.0	1.0	µg/L	10.00		110	70-130	6.07	25	
1,2-Dibromo-3-chloropropane (DBCP)	10.9	5.0	µg/L	10.00		109	70-130	8.18	25	
1,2-Dibromoethane (EDB)	11.0	0.50	µg/L	10.00		110	70-130	5.50	25	
Dibromomethane	10.5	1.0	µg/L	10.00		105	70-130	0.286	25	
1,2-Dichlorobenzene	10.9	1.0	µg/L	10.00		109	70-130	0.828	25	
1,3-Dichlorobenzene	10.9	1.0	µg/L	10.00		109	70-130	3.94	25	
1,4-Dichlorobenzene	10.9	1.0	µg/L	10.00		109	70-130	5.77	25	
trans-1,4-Dichloro-2-butene	10.2	2.0	µg/L	10.00		102	70-130	2.60	25	
Dichlorodifluoromethane (Freon 12)	9.83	2.0	µg/L	10.00		98.3	40-160	12.9	25	†
1,1-Dichloroethane	10.3	1.0	µg/L	10.00		103	70-130	3.75	25	
1,2-Dichloroethane	9.77	1.0	µg/L	10.00		97.7	70-130	3.86	25	
1,1-Dichloroethylene	10.7	1.0	µg/L	10.00		107	70-130	11.2	25	
cis-1,2-Dichloroethylene	10.6	1.0	µg/L	10.00		106	70-130	10.8	25	
trans-1,2-Dichloroethylene	10.1	1.0	µg/L	10.00		101	70-130	2.29	25	
1,2-Dichloropropane	10.2	1.0	µg/L	10.00		102	70-130	2.77	25	
1,3-Dichloropropane	11.0	0.50	µg/L	10.00		110	70-130	4.07	25	
2,2-Dichloropropane	10.1	1.0	µg/L	10.00		101	40-130	3.85	25	†
1,1-Dichloropropene	10.5	2.0	µg/L	10.00		105	70-130	5.70	25	

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B396862 - SW-846 5030B											
LCS Dup (B396862-BSD1)				Prepared: 01/15/25 Analyzed: 01/16/25							
cis-1,3-Dichloropropene	11.1	0.50	µg/L	10.00		111	70-130	7.75	25		
trans-1,3-Dichloropropene	10.8	0.50	µg/L	10.00		108	70-130	0.0926	25		
Diethyl Ether	10.1	2.0	µg/L	10.00		101	70-130	2.71	25		
Diisopropyl Ether (DIPE)	10.2	0.50	µg/L	10.00		102	70-130	5.56	25		
1,4-Dioxane	99.3	50	µg/L	100.0		99.3	40-130	12.7	50		† ‡
Ethylbenzene	11.1	1.0	µg/L	10.00		111	70-130	5.19	25		
Hexachlorobutadiene	10.7	0.60	µg/L	10.00		107	70-130	0.467	25		
2-Hexanone (MBK)	103	10	µg/L	100.0		103	70-160	5.37	25		†
Isopropylbenzene (Cumene)	10.9	1.0	µg/L	10.00		109	70-130	7.91	25		
p-Isopropyltoluene (p-Cymene)	10.7	1.0	µg/L	10.00		107	70-130	4.10	25		
Methyl Acetate	9.44	1.0	µg/L	10.00		94.4	70-130	0.00	25		
Methyl tert-Butyl Ether (MTBE)	10.1	1.0	µg/L	10.00		101	70-130	1.09	25		
Methyl Cyclohexane	10.1	1.0	µg/L	10.00		101	70-130	5.50	25		
Methylene Chloride	10.0	5.0	µg/L	10.00		100	70-130	4.27	25		
4-Methyl-2-pentanone (MIBK)	105	10	µg/L	100.0		105	70-160	5.64	25		†
Naphthalene	10.5	2.0	µg/L	10.00		105	40-130	5.73	25		†
n-Propylbenzene	10.8	1.0	µg/L	10.00		108	70-130	3.77	25		
Styrene	10.6	1.0	µg/L	10.00		106	70-130	4.23	25		
1,1,1,2-Tetrachloroethane	10.8	1.0	µg/L	10.00		108	70-130	5.23	25		
1,1,2,2-Tetrachloroethane	10.7	0.50	µg/L	10.00		107	70-130	4.38	25		
Tetrachloroethylene	10.8	1.0	µg/L	10.00		108	70-130	8.29	25		
Tetrahydrofuran	8.90	10	µg/L	10.00		89.0	70-130	6.52	25	J	
Toluene	11.0	1.0	µg/L	10.00		110	70-130	6.40	25		
1,2,3-Trichlorobenzene	11.2	5.0	µg/L	10.00		112	70-130	0.624	25		
1,2,4-Trichlorobenzene	10.9	1.0	µg/L	10.00		109	70-130	0.367	25		
1,3,5-Trichlorobenzene	11.0	1.0	µg/L	10.00		110	70-130	4.95	25		
1,1,1-Trichloroethane	10.7	1.0	µg/L	10.00		107	70-130	5.39	25		
1,1,2-Trichloroethane	10.5	1.0	µg/L	10.00		105	70-130	1.04	25		
Trichloroethylene	11.0	1.0	µg/L	10.00		110	70-130	4.28	25		
Trichlorofluoromethane (Freon 11)	10.6	2.0	µg/L	10.00		106	70-130	8.38	25		
1,2,3-Trichloropropane	11.1	2.0	µg/L	10.00		111	70-130	1.92	25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5	1.0	µg/L	10.00		105	70-130	12.0	25		
1,2,4-Trimethylbenzene	10.8	1.0	µg/L	10.00		108	70-130	5.30	25		
1,3,5-Trimethylbenzene	10.8	1.0	µg/L	10.00		108	70-130	2.35	25		
Vinyl Chloride	9.73	2.0	µg/L	10.00		97.3	40-160	8.13	25		†
m+p Xylene	21.7	2.0	µg/L	20.00		108	70-130	5.94	25		
o-Xylene	11.1	1.0	µg/L	10.00		111	70-130	3.94	25		
Surrogate: 1,2-Dichloroethane-d4	*24.8*		µg/L	25.00		99.3	70-130				
Surrogate: Toluene-d8	*25.0*		µg/L	25.00		100	70-130				
Surrogate: 4-Bromofluorobenzene	*25.5*		µg/L	25.00		102	70-130				

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QUALITY CONTROL

Drinking Water Organics EPA 500 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B396758 - EPA 524.2										
Blank (B396758-BLK1)				Prepared: 01/14/25 Analyzed: 01/15/25						
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromochloromethane	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	0.50	µg/L							
Bromomethane	ND	0.50	µg/L							
n-Butylbenzene	ND	0.50	µg/L							
sec-Butylbenzene	ND	0.50	µg/L							
tert-Butylbenzene	ND	0.50	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	0.50	µg/L							
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
Dibromochloromethane	ND	0.50	µg/L							
Dibromomethane	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	0.50	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	0.50	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	0.50	µg/L							
Naphthalene	ND	1.0	µg/L							
n-Propylbenzene	ND	0.50	µg/L							
Styrene	ND	0.50	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	0.50	µg/L							
Toluene	ND	0.50	µg/L							
1,2,3-Trichlorobenzene	ND	0.50	µg/L							
1,2,4-Trichlorobenzene	ND	0.50	µg/L							
1,3,5-Trichlorobenzene	ND	0.50	µg/L							
1,1,1-Trichloroethane	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							
Trichloroethylene	ND	0.50	µg/L							

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B396758 - EPA 524.2										
Blank (B396758-BLK1)				Prepared: 01/14/25 Analyzed: 01/15/25						
Trichlorofluoromethane (Freon 11)	ND	0.50	µg/L							
1,2,3-Trichloropropane	ND	0.50	µg/L							
1,2,4-Trimethylbenzene	ND	0.50	µg/L							
1,3,5-Trimethylbenzene	ND	0.50	µg/L							
Vinyl Chloride	ND	0.50	µg/L							
m&p-Xylene	ND	1.0	µg/L							
o-Xylene	ND	0.50	µg/L							
Surrogate: 4-Bromofluorobenzene	*25.2*		µg/L	25.00		101	80-120			
Surrogate: 1,2-Dichlorobenzene-d4	*26.2*		µg/L	25.00		105	80-120			
LCS (B396758-BS1)				Prepared: 01/14/25 Analyzed: 01/15/25						
Benzene	11	0.50	µg/L	10.00		109	70-130			
Bromobenzene	11	0.50	µg/L	10.00		107	70-130			
Bromochloromethane	11	0.50	µg/L	10.00		114	70-130			
Bromodichloromethane	11	0.50	µg/L	10.00		105	70-130			
Bromoform	11	0.50	µg/L	10.00		108	70-130			
Bromomethane	10	0.50	µg/L	10.00		104	70-130			
n-Butylbenzene	11	0.50	µg/L	10.00		115	70-130			
sec-Butylbenzene	11	0.50	µg/L	10.00		113	70-130			
tert-Butylbenzene	11	0.50	µg/L	10.00		108	70-130			
Carbon Tetrachloride	12	0.50	µg/L	10.00		123	70-130			
Chlorobenzene	11	0.50	µg/L	10.00		113	70-130			
Chloroethane	11	0.50	µg/L	10.00		110	70-130			
Chloroform	11	0.50	µg/L	10.00		106	70-130			
Chloromethane	11	0.50	µg/L	10.00		110	70-130			
2-Chlorotoluene	10	0.50	µg/L	10.00		104	70-130			
4-Chlorotoluene	11	0.50	µg/L	10.00		111	70-130			
Dibromochloromethane	11	0.50	µg/L	10.00		106	70-130			
Dibromomethane	11	0.50	µg/L	10.00		112	70-130			
1,2-Dichlorobenzene	11	0.50	µg/L	10.00		109	70-130			
1,3-Dichlorobenzene	11	0.50	µg/L	10.00		110	70-130			
1,4-Dichlorobenzene	11	0.50	µg/L	10.00		109	70-130			
Dichlorodifluoromethane (Freon 12)	12	0.50	µg/L	10.00		119	70-130			
1,1-Dichloroethane	11	0.50	µg/L	10.00		114	70-130			
1,2-Dichloroethane	11	0.50	µg/L	10.00		112	70-130			
1,1-Dichloroethylene	12	0.50	µg/L	10.00		116	70-130			
cis-1,2-Dichloroethylene	12	0.50	µg/L	10.00		115	70-130			
trans-1,2-Dichloroethylene	11	0.50	µg/L	10.00		110	70-130			
1,2-Dichloropropane	11	0.50	µg/L	10.00		110	70-130			
1,3-Dichloropropane	11	0.50	µg/L	10.00		110	70-130			
2,2-Dichloropropane	11	0.50	µg/L	10.00		113	70-130			
1,1-Dichloropropene	12	0.50	µg/L	10.00		118	70-130			
cis-1,3-Dichloropropene	11	0.50	µg/L	10.00		111	70-130			
trans-1,3-Dichloropropene	11	0.50	µg/L	10.00		113	70-130			
Ethylbenzene	11	0.50	µg/L	10.00		112	70-130			
Hexachlorobutadiene	12	0.50	µg/L	10.00		123	70-130			
Isopropylbenzene (Cumene)	11	0.50	µg/L	10.00		112	70-130			
p-Isopropyltoluene (p-Cymene)	11	0.50	µg/L	10.00		112	70-130			
Methyl tert-Butyl Ether (MTBE)	11	0.50	µg/L	10.00		111	70-130			
Methylene Chloride	11	0.50	µg/L	10.00		112	70-130			
Naphthalene	11	1.0	µg/L	10.00		111	70-130			
n-Propylbenzene	11	0.50	µg/L	10.00		113	70-130			

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Drinking Water Organics EPA 500 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B396758 - EPA 524.2										
LCS (B396758-BS1)				Prepared: 01/14/25 Analyzed: 01/15/25						
Styrene	11	0.50	µg/L	10.00		110	70-130			
1,1,1,2-Tetrachloroethane	11	0.50	µg/L	10.00		107	70-130			
1,1,2,2-Tetrachloroethane	11	0.50	µg/L	10.00		108	70-130			
Tetrachloroethylene	11	0.50	µg/L	10.00		115	70-130			
Toluene	11	0.50	µg/L	10.00		110	70-130			
1,2,3-Trichlorobenzene	11	0.50	µg/L	10.00		114	70-130			
1,2,4-Trichlorobenzene	12	0.50	µg/L	10.00		116	70-130			
1,3,5-Trichlorobenzene	11	0.50	µg/L	10.00		113	70-130			
1,1,1-Trichloroethane	11	0.50	µg/L	10.00		112	70-130			
1,1,2-Trichloroethane	11	0.50	µg/L	10.00		112	70-130			
Trichloroethylene	12	0.50	µg/L	10.00		115	70-130			
Trichlorofluoromethane (Freon 11)	12	0.50	µg/L	10.00		125	70-130			
1,2,3-Trichloropropane	11	0.50	µg/L	10.00		113	70-130			
1,2,4-Trimethylbenzene	11	0.50	µg/L	10.00		110	70-130			
1,3,5-Trimethylbenzene	11	0.50	µg/L	10.00		109	70-130			
Vinyl Chloride	10	0.50	µg/L	10.00		103	70-130			
m&p-Xylene	22	1.0	µg/L	20.00		109	70-130			
o-Xylene	11	0.50	µg/L	10.00		111	70-130			
Surrogate: 4-Bromofluorobenzene	*26.0*		µg/L	25.00		104	80-120			
Surrogate: 1,2-Dichlorobenzene-d4	*25.8*		µg/L	25.00		103	80-120			
Batch B397173 - EPA 524.2										
Blank (B397173-BLK1)				Prepared: 01/20/25 Analyzed: 01/21/25						
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromochloromethane	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	0.50	µg/L							
Bromomethane	ND	0.50	µg/L							
n-Butylbenzene	ND	0.50	µg/L							
sec-Butylbenzene	ND	0.50	µg/L							
tert-Butylbenzene	ND	0.50	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	0.50	µg/L							
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
Dibromochloromethane	ND	0.50	µg/L							
Dibromomethane	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	0.50	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B397173 - EPA 524.2										
Blank (B397173-BLK1)				Prepared: 01/20/25 Analyzed: 01/21/25						
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	0.50	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	0.50	µg/L							
Naphthalene	ND	1.0	µg/L							
n-Propylbenzene	ND	0.50	µg/L							
Styrene	ND	0.50	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	0.50	µg/L							
Toluene	ND	0.50	µg/L							
1,2,3-Trichlorobenzene	ND	0.50	µg/L							
1,2,4-Trichlorobenzene	ND	0.50	µg/L							
1,3,5-Trichlorobenzene	ND	0.50	µg/L							
1,1,1-Trichloroethane	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							
Trichloroethylene	ND	0.50	µg/L							
Trichlorofluoromethane (Freon 11)	ND	0.50	µg/L							
1,2,3-Trichloropropane	ND	0.50	µg/L							
1,2,4-Trimethylbenzene	ND	0.50	µg/L							
1,3,5-Trimethylbenzene	ND	0.50	µg/L							
Vinyl Chloride	ND	0.50	µg/L							
m&p-Xylene	ND	1.0	µg/L							
o-Xylene	ND	0.50	µg/L							
Surrogate: 4-Bromofluorobenzene	*24.6*		µg/L	25.00		98.4	80-120			
Surrogate: 1,2-Dichlorobenzene-d4	*24.0*		µg/L	25.00		96.0	80-120			
LCS (B397173-BS1)				Prepared: 01/20/25 Analyzed: 01/21/25						
Benzene	11	0.50	µg/L	10.00		111	70-130			
Bromobenzene	11	0.50	µg/L	10.00		109	70-130			
Bromochloromethane	10	0.50	µg/L	10.00		105	70-130			
Bromodichloromethane	11	0.50	µg/L	10.00		110	70-130			
Bromoform	11	0.50	µg/L	10.00		112	70-130			
Bromomethane	11	0.50	µg/L	10.00		112	70-130			
n-Butylbenzene	11	0.50	µg/L	10.00		110	70-130			
sec-Butylbenzene	11	0.50	µg/L	10.00		107	70-130			
tert-Butylbenzene	11	0.50	µg/L	10.00		109	70-130			
Carbon Tetrachloride	13	0.50	µg/L	10.00		127	70-130			
Chlorobenzene	11	0.50	µg/L	10.00		112	70-130			
Chloroethane	11	0.50	µg/L	10.00		108	70-130			
Chloroform	11	0.50	µg/L	10.00		107	70-130			
Chloromethane	9.9	0.50	µg/L	10.00		99.4	70-130			
2-Chlorotoluene	9.9	0.50	µg/L	10.00		99.4	70-130			
4-Chlorotoluene	11	0.50	µg/L	10.00		110	70-130			
Dibromochloromethane	11	0.50	µg/L	10.00		111	70-130			

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QUALITY CONTROL

Drinking Water Organics EPA 500 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B397173 - EPA 524.2											
LCS (B397173-BS1)				Prepared: 01/20/25 Analyzed: 01/21/25							
Dibromomethane	11	0.50	µg/L	10.00		111		70-130			
1,2-Dichlorobenzene	11	0.50	µg/L	10.00		109		70-130			
1,3-Dichlorobenzene	11	0.50	µg/L	10.00		108		70-130			
1,4-Dichlorobenzene	11	0.50	µg/L	10.00		108		70-130			
Dichlorodifluoromethane (Freon 12)	12	0.50	µg/L	10.00		117		70-130			
1,1-Dichloroethane	11	0.50	µg/L	10.00		112		70-130			
1,2-Dichloroethane	11	0.50	µg/L	10.00		111		70-130			
1,1-Dichloroethylene	12	0.50	µg/L	10.00		116		70-130			
cis-1,2-Dichloroethylene	11	0.50	µg/L	10.00		112		70-130			
trans-1,2-Dichloroethylene	11	0.50	µg/L	10.00		114		70-130			
1,2-Dichloropropane	11	0.50	µg/L	10.00		112		70-130			
1,3-Dichloropropane	11	0.50	µg/L	10.00		112		70-130			
2,2-Dichloropropane	12	0.50	µg/L	10.00		115		70-130			
1,1-Dichloropropene	12	0.50	µg/L	10.00		124		70-130			
cis-1,3-Dichloropropene	11	0.50	µg/L	10.00		108		70-130			
trans-1,3-Dichloropropene	11	0.50	µg/L	10.00		110		70-130			
Ethylbenzene	12	0.50	µg/L	10.00		116		70-130			
Hexachlorobutadiene	12	0.50	µg/L	10.00		116		70-130			
Isopropylbenzene (Cumene)	11	0.50	µg/L	10.00		110		70-130			
p-Isopropyltoluene (p-Cymene)	11	0.50	µg/L	10.00		109		70-130			
Methyl tert-Butyl Ether (MTBE)	11	0.50	µg/L	10.00		114		70-130			
Methylene Chloride	10	0.50	µg/L	10.00		104		70-130			
Naphthalene	12	1.0	µg/L	10.00		118		70-130			
n-Propylbenzene	11	0.50	µg/L	10.00		110		70-130			
Styrene	11	0.50	µg/L	10.00		109		70-130			
1,1,1,2-Tetrachloroethane	11	0.50	µg/L	10.00		110		70-130			
1,1,2,2-Tetrachloroethane	11	0.50	µg/L	10.00		114		70-130			
Tetrachloroethylene	12	0.50	µg/L	10.00		120		70-130			
Toluene	11	0.50	µg/L	10.00		113		70-130			
1,2,3-Trichlorobenzene	11	0.50	µg/L	10.00		109		70-130			
1,2,4-Trichlorobenzene	11	0.50	µg/L	10.00		111		70-130			
1,3,5-Trichlorobenzene	11	0.50	µg/L	10.00		109		70-130			
1,1,1-Trichloroethane	12	0.50	µg/L	10.00		118		70-130			
1,1,2-Trichloroethane	11	0.50	µg/L	10.00		110		70-130			
Trichloroethylene	12	0.50	µg/L	10.00		117		70-130			
Trichlorofluoromethane (Freon 11)	13	0.50	µg/L	10.00		**131**	*	70-130			L-01
1,2,3-Trichloropropane	12	0.50	µg/L	10.00		116		70-130			
1,2,4-Trimethylbenzene	11	0.50	µg/L	10.00		111		70-130			
1,3,5-Trimethylbenzene	11	0.50	µg/L	10.00		106		70-130			
Vinyl Chloride	10	0.50	µg/L	10.00		104		70-130			
m&p-Xylene	22	1.0	µg/L	20.00		112		70-130			
o-Xylene	11	0.50	µg/L	10.00		114		70-130			
Surrogate: 4-Bromofluorobenzene	*25.3*		µg/L	25.00		101		80-120			
Surrogate: 1,2-Dichlorobenzene-d4	*24.9*		µg/L	25.00		99.8		80-120			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-01	Laboratory fortified blank/laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA 524.2 in Drinking Water	
Benzene	CT,MA,NH,NY,RI,ME,VA,VT-DW
Bromobenzene	CT,MA,NH,NY,RI,VT-DW
Bromochloromethane	CT,MA,NH,NY,RI,VT-DW
Bromodichloromethane	MA,NH,NY,RI,ME,VA,VT-DW
Bromoform	CT,MA,NH,NY,RI,ME,VT-DW
Bromomethane	CT,MA,NH,NY,RI,VT-DW
n-Butylbenzene	CT,MA,NH,NY,RI,VT-DW
sec-Butylbenzene	CT,MA,NH,NY,RI,VT-DW
tert-Butylbenzene	CT,MA,NH,NY,RI,VT-DW
Carbon Tetrachloride	CT,MA,NH,NY,RI,ME,VA,VT-DW
Chlorobenzene	CT,MA,NH,NY,RI,ME,VA,VT-DW
Chloroethane	CT,MA,NH,NY,RI,VT-DW
Chloroform	MA,NH,NY,RI,ME,VA,VT-DW
Chloromethane	CT,MA,NH,NY,RI,VT-DW
2-Chlorotoluene	CT,MA,NH,NY,RI,VT-DW
4-Chlorotoluene	CT,MA,NH,NY,RI,VT-DW
Dibromochloromethane	MA,NH,NY,RI,ME,VA,VT-DW
Dibromomethane	CT,MA,NH,NY,RI,VT-DW
1,2-Dichlorobenzene	CT,MA,NH,NY,RI,ME,VA,VT-DW
1,3-Dichlorobenzene	CT,MA,NH,NY,RI,VT-DW
1,4-Dichlorobenzene	CT,MA,NH,NY,RI,ME,VA,VT-DW
Dichlorodifluoromethane (Freon 12)	CT,MA,NH,NY,RI,VT-DW
1,1-Dichloroethane	CT,MA,NH,NY,RI,VT-DW
1,2-Dichloroethane	CT,MA,NH,NY,RI,ME,VA,VT-DW
1,1-Dichloroethylene	CT,MA,NH,NY,RI,ME,VA,VT-DW
cis-1,2-Dichloroethylene	CT,MA,NH,NY,RI,ME,VA,VT-DW
trans-1,2-Dichloroethylene	CT,MA,NH,NY,RI,ME,VA,VT-DW
1,2-Dichloropropane	CT,MA,NH,NY,RI,ME,VA,VT-DW
1,3-Dichloropropane	CT,MA,NH,NY,RI,VT-DW
2,2-Dichloropropane	CT,MA,NH,NY,RI,VT-DW
1,1-Dichloropropene	CT,MA,NH,NY,RI,VT-DW
cis-1,3-Dichloropropene	CT,MA,NH,NY,RI,VT-DW
trans-1,3-Dichloropropene	CT,MA,NH,NY,RI,VT-DW
1,3-Dichloropropene (total)	CT,MA
Ethylbenzene	CT,MA,NH,NY,RI,ME,VA,VT-DW
Hexachlorobutadiene	CT,MA,NH,NY,RI,VT-DW
Isopropylbenzene (Cumene)	CT,MA,NH,NY,RI,VT-DW
p-Isopropyltoluene (p-Cymene)	CT,MA,NH,NY,RI,VT-DW
Methyl tert-Butyl Ether (MTBE)	CT,MA,NH,NY,RI,ME,VT-DW
Methylene Chloride	CT,MA,NH,NY,RI,ME,VA,VT-DW
Naphthalene	NY
n-Propylbenzene	CT,MA,NH,NY,RI,VT-DW
Styrene	CT,MA,NH,NY,RI,ME,VA,VT-DW
1,1,1,2-Tetrachloroethane	CT,MA,NH,NY,RI,VT-DW
1,1,2,2-Tetrachloroethane	CT,MA,NH,NY,RI,VT-DW
Tetrachloroethylene	CT,MA,NH,NY,RI,ME,VA,VT-DW
Toluene	CT,MA,NH,NY,RI,ME,VA,VT-DW

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA 524.2 in Drinking Water	
1,2,3-Trichlorobenzene	CT,MA,NH,NY,RI,VT-DW
1,2,4-Trichlorobenzene	CT,MA,NH,NY,RI,ME,VA,VT-DW
1,1,1-Trichloroethane	CT,MA,NH,NY,RI,ME,VA,VT-DW
1,1,2-Trichloroethane	CT,MA,NH,NY,RI,ME,VA,VT-DW
Trichloroethylene	CT,MA,NH,NY,RI,ME,VA,VT-DW
Trichlorofluoromethane (Freon 11)	CT,MA,NH,NY,RI,VT-DW
1,2,3-Trichloropropane	CT,MA,NH,NY,RI,VT-DW
1,2,4-Trimethylbenzene	CT,MA,NH,NY,RI,VT-DW
1,3,5-Trimethylbenzene	CT,MA,NH,NY,RI,VT-DW
Vinyl Chloride	CT,MA,NH,NY,RI,ME,VA,VT-DW
m&p-Xylene	VA
o-Xylene	VA
Xylenes (total)	CT,MA,NH,NY,RI,ME,VA,VT-DW
SW-846 8260D in Water	
Acetone	CT,ME,NH,VA,NY,NC
Acrylonitrile	CT,ME,NH,VA,NY,NC
tert-Amyl Methyl Ether (TAME)	ME,NH,VA,NY,NC
Benzene	CT,ME,NH,VA,NY,NC
Bromobenzene	ME,NY,NC
Bromochloromethane	ME,NH,VA,NY,NC
Bromodichloromethane	CT,ME,NH,VA,NY,NC
Bromoform	CT,ME,NH,VA,NY,NC
Bromomethane	CT,ME,NH,VA,NY,NC
2-Butanone (MEK)	CT,ME,NH,VA,NY,NC
tert-Butyl Alcohol (TBA)	ME,NH,VA,NY,NC
n-Butylbenzene	ME,VA,NY,NC
sec-Butylbenzene	ME,VA,NY,NC
tert-Butylbenzene	ME,VA,NY,NC
tert-Butyl Ethyl Ether (TBEE)	ME,NH,VA,NY,NC
Carbon Disulfide	CT,ME,NH,VA,NY,NC
Carbon Tetrachloride	CT,ME,NH,VA,NY,NC
Chlorobenzene	CT,ME,NH,VA,NY,NC
Chlorodibromomethane	CT,ME,NH,VA,NY,NC
Chloroethane	CT,ME,NH,VA,NY,NC
Chloroform	CT,ME,NH,VA,NY,NC
Chloromethane	CT,ME,NH,VA,NY,NC
2-Chlorotoluene	ME,NH,VA,NY,NC
4-Chlorotoluene	ME,NH,VA,NY,NC
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY,NC
1,2-Dibromoethane (EDB)	ME,NY,NC
Dibromomethane	ME,NH,VA,NY,NC
1,2-Dichlorobenzene	CT,ME,NH,VA,NY,NC
1,3-Dichlorobenzene	CT,ME,NH,VA,NY,NC
1,4-Dichlorobenzene	CT,ME,NH,VA,NY,NC
trans-1,4-Dichloro-2-butene	ME,NH,VA,NY,NC
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY,NC

Pace Analytical Services, LLC - East Longmeadow, Ma

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
1,1-Dichloroethane	CT,ME,NH,VA,NY,NC
1,2-Dichloroethane	CT,ME,NH,VA,NY,NC
1,1-Dichloroethylene	CT,ME,NH,VA,NY,NC
cis-1,2-Dichloroethylene	ME,NY,NC
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY,NC
1,2-Dichloropropane	CT,ME,NH,VA,NY,NC
1,3-Dichloropropane	ME,VA,NY,NC
2,2-Dichloropropane	ME,NH,VA,NY,NC
1,1-Dichloropropene	ME,NH,VA,NY,NC
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY,NC
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY,NC
Diethyl Ether	ME,NY,NC
Diisopropyl Ether (DIPE)	ME,NH,VA,NY,NC
1,4-Dioxane	ME,NY,NC
Ethylbenzene	CT,ME,NH,VA,NY,NC
Hexachlorobutadiene	CT,ME,NH,VA,NY,NC
2-Hexanone (MBK)	CT,ME,NH,VA,NY,NC
Isopropylbenzene (Cumene)	ME,VA,NY,NC
p-Isopropyltoluene (p-Cymene)	CT,ME,NH,VA,NY,NC
Methyl Acetate	ME,NY,NC
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY,NC
Methyl Cyclohexane	NY,NC
Methylene Chloride	CT,ME,NH,VA,NY,NC
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY,NC
Naphthalene	ME,NH,VA,NY,NC
n-Propylbenzene	CT,ME,NH,VA,NY,NC
Styrene	CT,ME,NH,VA,NY,NC
1,1,1,2-Tetrachloroethane	CT,ME,NH,VA,NY,NC
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY,NC
Tetrachloroethylene	CT,ME,NH,VA,NY,NC
Tetrahydrofuran	NC
Toluene	CT,ME,NH,VA,NY,NC
1,2,3-Trichlorobenzene	ME,NH,VA,NY,NC
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY,NC
1,3,5-Trichlorobenzene	ME,NC
1,1,1-Trichloroethane	CT,ME,NH,VA,NY,NC
1,1,2-Trichloroethane	CT,ME,NH,VA,NY,NC
Trichloroethylene	CT,ME,NH,VA,NY,NC
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY,NC
1,2,3-Trichloropropane	ME,NH,VA,NY,NC
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY,NC
1,2,4-Trimethylbenzene	ME,VA,NY,NC
1,3,5-Trimethylbenzene	ME,VA,NY,NC
Vinyl Chloride	CT,ME,NH,VA,NY,NC
m+p Xylene	CT,ME,NH,VA,NY,NC
o-Xylene	CT,ME,NH,VA,NY,NC
Xylenes (total)	ME,NY,NC

Pace Analytical Services, LLC - East Longmeadow, Ma

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Pace Analytical Services, LLC - East Longmeadow, Ma, operates under the following certifications and accreditations:

Code	Description	Number	Expires
MA	Massachusetts DEP	M-MA100	06/30/2025
CT	Connecticut Department of Public Health	PH-0821	12/31/2026
NY	New York State Department of Health	10899 NELAP	04/1/2025
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2025
RI	Rhode Island Department of Health	LAO00373	12/30/2025
NC	North Carolina Div. of Water Quality	652	12/31/2025
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2025
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2025

25A00638 RF

Pace Analytical

Phone: 413-525-2332
Fax: 413-525-6405
Access COC's and Support Requests

http://www.pacelabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 5_07/13/2021

Page 1 of 1

Company Name:	Atlas
Address:	51 Bright Lane Williston VT
Phone:	607 437 8293
Project Name:	Morrissey POET
Project Location:	Bristol
Project Number:	280EM01274
Project Manager:	Jo Palmer
Pace Quote Name/Number:	
Invoice Recipient:	Jo Palmer, APVT
Sampled By:	Jo Palmer

Requested Turnaround Time
7-Day ☐ 5-Day ☐
PFAS 10-Day (std) ☑ Due Date: No Rush

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

Data Delivery
Format: PDF ☒ EXCEL ☒
Other:
CLP Like Data Pkg Required: ☐
Email To: johanna.palmer@atlas.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☐
NON SOXHLET ☐

ANALYSIS REQUESTED

Pace Work Order#	Client Sample ID / Description	Begin Date/Time	End Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	524.2 VOC Full	8260 VOC Full
1	Sump	1/10/25	0930	G	GW	L	3						X
2	Kitchen Sink		0940		DW		3					X	
3	Mid		0945				3					X	
4	inf		0950				3					X	

[2] Preservation Code
Courier Use Only
Total Number Of:
VIALS____
GLASS____
PLASTIC____
BACTERIA____
ENCORE____

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

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

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

	Date/Time
Relinquished by: (signature)	1/14/25 0900
Received by: (signature)	1/14/25 1014
Relinquished by: (signature)	1/14/25 1430
Received by: (signature) 3.8	1/14/25 1430
Relinquished by: (signature)	
Received by: (signature)	
Relinquished by: (signature)	
Received by: (signature)	

Client Comments:

Detection Limit Requirements
MA
CT
Other:

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

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

NELAC and AIHA-LAP, LLC Accredited

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

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

Lab Comments:

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

Exhibit S

Table of Contents

Exhibit S

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0001 v08_Sample Receiving Checklist
	Effective Date: 06/11/2024

Log in Back-Sheet

Client Atos (VT)

Project # 280EM01274

MCP/RCP Required no

Deliverable Package Requirement none

Location VT

PWSID# (When Applicable) n/a

Arrival Method:

Courier ☑ Fed Ex ☐ Walk In ☐ Other ☐

Received By / Date / Time LA 01/14/25 1430

Back-Sheet By / Date / Time Mam 01/14/25 1528

Temperature Method Gun # 4

WV samples: Yes (see note*) / No (follow normal procedure)

Temp < 6° C Actual Temperature 3.8

Rush Samples: Yes / No Notify No

Short Hold: Yes / No Notify No

Notes regarding Samples/COC outside of SOP:

Login Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy) Any False statement will be brought to the attention of the Client – True or False

	True	False
Received on Ice	☑	☐
Received in Cooler	☑	☐
Custody Seal: DATE TIME	☐	☑
COC Relinquished	☑	☐
COC/Samples Labels Agree	☑	☐
All Samples in Good Condition	☑	☐
Samples Received within Holding Time	☑	☐
Is there enough Volume	☑	☐
Proper Media/Container Used	☑	☐
Splitting Samples Required	☐	☑
MS/MSD	☐	☑
Trip Blanks	☐	☑
Lab to Filters	☐	☑
COC Legible	☑	☐

COC Included: (Check all included)

Client	☑	Analysis	☑	Sampler Name	☑
Project	☑	IDs	☑	Collection Date/Time	☑

All Samples Proper pH: (N/A) ☐ ☐

Additional Container Notes

Note: West Virginia requires all samples to have their temperature taken. Note any outliers.

Qualtrax ID: 120836

Exhibit S

Qualtrax ID: 120836

Sample	Soils Jars (Circle Amb/Clear)				Ambers						Plastics														Other / Fill in					
					1 Liter			250mL			1 Liter		500mL		250mL															
	16oz Amb/Clear	8oz Amb/Clear	4oz Amb/Clear	2oz Amb/Clear	Unpreserved	HCL	Sulfuric	Sulfuric	Phosphoric	HCl	Unpreserved	Sulfuric	Unpreserved	Sulfuric	Unpreserved	Trizma	Sulfuric	Nitric	NaOH	Ammonium Acetate	NaOH/Zinc	Unpreserved	HCl	MeOH	D.I. Water	Bisulfate	Col/Bact					
1																							3							
2																							↓							
3																														
4																														
5																														
6																														
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8																														
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18																														
19																														
20																														

Page	DC#_Title: ENV-FRM-ELON-0001 v08_Sample Receiving Checklist
	Effective Date: 06/11/2024

Exhibit S

Pace Analytical Services, LLC - East Longmeadow, Ma

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February 24, 2025

Jo Palmer
Atlas Technical Consultants - Vermont
51 Knight Lane, PO Box 1486
Williston, VT 05495

Project Location: 1006 Jerusalem Rd., Bristol, VT
Client Job Number:
Project Number: 280EM01294
Laboratory Work Order Number: 25B0932

Enclosed are results of analyses for samples as received by the laboratory on February 18, 2025. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Rebecca Faust
Project Manager

Exhibit S

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Pace Analytical Services, LLC - East Longmeadow, Ma

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

Atlas Technical Consultants - Vermont
51 Knight Lane, PO Box 1486
Williston, VT 05495
ATTN: Jo Palmer

REPORT DATE: 2/24/2025

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 280EM01294

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 25B0932

The results of analyses performed on the following samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, are found in this report.

PROJECT LOCATION: 1006 Jerusalem Rd., Bristol, VT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Influent	25B0932-01	Drinking Water		EPA 524.2	
Mid	25B0932-02	Drinking Water		EPA 524.2	
Effluent	25B0932-03	Drinking Water		EPA 524.2	
Duplicate	25B0932-04	Drinking Water		EPA 524.2	
Trip Blank	25B0932-05	Trip Blank Water		EPA 524.2	

Exhibit S

Pace Analytical Services, LLC - East Longmeadow, Ma

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

CASE NARRATIVE SUMMARY

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

EPA 524.2

Qualifications:

L-01

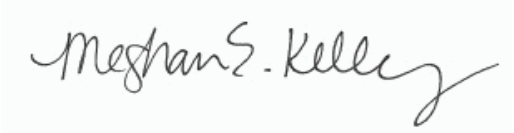
Laboratory fortified blank/laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Analyte & Samples(s) Qualified:

Carbon Tetrachloride
B399428-BS1

Trichlorofluoromethane (Freon 11)
B399428-BS1

The results of analyses reported only relate to samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Meghan E. Kelley
Reporting Specialist

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: 1006 Jerusalem Rd., Bristol, VT Sample Description: Work Order: 25B0932

Date Received: 2/18/2025

Field Sample #: Influent Sampled: 2/17/2025 14:16

Sample ID: 25B0932-01

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
# Benzene	110	5.0	5	µg/L	10		EPA 524.2	2/21/25	2/22/25 7:46	EEH
Bromobenzene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
Bromochloromethane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
Bromodichloromethane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
Bromoform	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
Bromomethane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
n-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
sec-Butylbenzene	0.14	0.50		µg/L	1	J	EPA 524.2	2/20/25	2/21/25 3:55	EEH
tert-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
Carbon Tetrachloride	ND	0.50	5	µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
Chlorobenzene	ND	0.50	100	µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
Chloroethane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
Chloroform	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
Chloromethane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
2-Chlorotoluene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
4-Chlorotoluene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
Dibromochloromethane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
Dibromomethane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
1,2-Dichlorobenzene	ND	0.50	600	µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
1,3-Dichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
1,4-Dichlorobenzene	ND	0.50	75	µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
1,1-Dichloroethane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
1,2-Dichloroethane	ND	0.50	5	µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
1,1-Dichloroethylene	ND	0.50	7	µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
cis-1,2-Dichloroethylene	ND	0.50	70	µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
trans-1,2-Dichloroethylene	ND	0.50	100	µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
1,2-Dichloropropane	ND	0.50	5	µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
1,3-Dichloropropane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
2,2-Dichloropropane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
1,1-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
cis-1,3-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
trans-1,3-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
1,3-Dichloropropene (total)	ND	1.0		µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
Ethylbenzene	1.0	0.50	700	µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
Hexachlorobutadiene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
Isopropylbenzene (Cumene)	1.0	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
Methyl tert-Butyl Ether (MTBE)	0.90	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
Methylene Chloride	ND	0.50	5	µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
Naphthalene	1.3	1.0		µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
n-Propylbenzene	1.3	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
Styrene	ND	0.50	100	µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
1,1,1,2-Tetrachloroethane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: 1006 Jerusalem Rd., Bristol, VT Sample Description: Work Order: 25B0932

Date Received: 2/18/2025

Field Sample #: Influent Sampled: 2/17/2025 14:16

Sample ID: 25B0932-01

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
Tetrachloroethylene	1.6	0.50	5	µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
Toluene	13	0.50	1000	µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
1,2,3-Trichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
1,2,4-Trichlorobenzene	ND	0.50	70	µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
1,3,5-Trichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
1,1,1-Trichloroethane	ND	0.50	200	µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
1,1,2-Trichloroethane	ND	0.50	5	µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
Trichloroethylene	ND	0.50	5	µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
1,2,3-Trichloropropane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
1,2,4-Trimethylbenzene	10	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
1,3,5-Trimethylbenzene	4.7	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
Vinyl Chloride	ND	0.50	2	µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
m&p-Xylene	61	1.0		µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
o-Xylene	77	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH
Xylenes (total)	140	1.5	10000	µg/L	1		EPA 524.2	2/20/25	2/21/25 3:55	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
4-Bromofluorobenzene	102	80-120		2/21/25 3:55
4-Bromofluorobenzene	105	80-120		2/22/25 7:46
1,2-Dichlorobenzene-d4	106	80-120		2/21/25 3:55
1,2-Dichlorobenzene-d4	108	80-120		2/22/25 7:46

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: 1006 Jerusalem Rd., Bristol, VT Sample Description: Work Order: 25B0932

Date Received: 2/18/2025

Field Sample #: Mid Sampled: 2/17/2025 14:14

Sample ID: 25B0932-02

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	5	µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
Bromobenzene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
Bromochloromethane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
Bromodichloromethane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
Bromoform	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
Bromomethane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
n-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
sec-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
tert-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
Carbon Tetrachloride	ND	0.50	5	µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
Chlorobenzene	ND	0.50	100	µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
Chloroethane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
Chloroform	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
Chloromethane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
2-Chlorotoluene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
4-Chlorotoluene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
Dibromochloromethane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
Dibromomethane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
1,2-Dichlorobenzene	ND	0.50	600	µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
1,3-Dichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
1,4-Dichlorobenzene	ND	0.50	75	µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
1,1-Dichloroethane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
1,2-Dichloroethane	ND	0.50	5	µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
1,1-Dichloroethylene	ND	0.50	7	µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
cis-1,2-Dichloroethylene	ND	0.50	70	µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
trans-1,2-Dichloroethylene	ND	0.50	100	µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
1,2-Dichloropropane	ND	0.50	5	µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
1,3-Dichloropropane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
2,2-Dichloropropane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
1,1-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
cis-1,3-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
trans-1,3-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
1,3-Dichloropropene (total)	ND	1.0		µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
Ethylbenzene	ND	0.50	700	µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
Hexachlorobutadiene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
Isopropylbenzene (Cumene)	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
Methylene Chloride	ND	0.50	5	µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
Naphthalene	ND	1.0		µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
n-Propylbenzene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
Styrene	ND	0.50	100	µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
1,1,1,2-Tetrachloroethane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: 1006 Jerusalem Rd., Bristol, VT Sample Description: Work Order: 25B0932

Date Received: 2/18/2025

Field Sample #: Mid Sampled: 2/17/2025 14:14

Sample ID: 25B0932-02

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
Tetrachloroethylene	ND	0.50	5	µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
Toluene	ND	0.50	1000	µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
1,2,3-Trichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
1,2,4-Trichlorobenzene	ND	0.50	70	µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
1,3,5-Trichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
1,1,1-Trichloroethane	ND	0.50	200	µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
1,1,2-Trichloroethane	ND	0.50	5	µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
Trichloroethylene	ND	0.50	5	µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
1,2,3-Trichloropropane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
1,2,4-Trimethylbenzene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
1,3,5-Trimethylbenzene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
Vinyl Chloride	ND	0.50	2	µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
m&p-Xylene	ND	1.0		µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
o-Xylene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH
Xylenes (total)	ND	1.5	10000	µg/L	1		EPA 524.2	2/20/25	2/20/25 23:41	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
4-Bromofluorobenzene	105	80-120		2/20/25 23:41
1,2-Dichlorobenzene-d4	109	80-120		2/20/25 23:41

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: 1006 Jerusalem Rd., Bristol, VT Sample Description: Work Order: 25B0932

Date Received: 2/18/2025

Field Sample #: Effluent Sampled: 2/17/2025 14:12

Sample ID: 25B0932-03

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	5	µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
Bromobenzene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
Bromochloromethane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
Bromodichloromethane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
Bromoform	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
Bromomethane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
n-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
sec-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
tert-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
Carbon Tetrachloride	ND	0.50	5	µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
Chlorobenzene	ND	0.50	100	µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
Chloroethane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
Chloroform	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
Chloromethane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
2-Chlorotoluene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
4-Chlorotoluene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
Dibromochloromethane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
Dibromomethane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
1,2-Dichlorobenzene	ND	0.50	600	µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
1,3-Dichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
1,4-Dichlorobenzene	ND	0.50	75	µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
1,1-Dichloroethane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
1,2-Dichloroethane	ND	0.50	5	µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
1,1-Dichloroethylene	ND	0.50	7	µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
cis-1,2-Dichloroethylene	ND	0.50	70	µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
trans-1,2-Dichloroethylene	ND	0.50	100	µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
1,2-Dichloropropane	ND	0.50	5	µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
1,3-Dichloropropane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
2,2-Dichloropropane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
1,1-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
cis-1,3-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
trans-1,3-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
1,3-Dichloropropene (total)	ND	1.0		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
Ethylbenzene	ND	0.50	700	µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
Hexachlorobutadiene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
Isopropylbenzene (Cumene)	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
Methylene Chloride	ND	0.50	5	µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
Naphthalene	ND	1.0		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
n-Propylbenzene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
Styrene	ND	0.50	100	µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
1,1,1,2-Tetrachloroethane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: 1006 Jerusalem Rd., Bristol, VT Sample Description: Work Order: 25B0932

Date Received: 2/18/2025

Field Sample #: Effluent Sampled: 2/17/2025 14:12

Sample ID: 25B0932-03

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
Tetrachloroethylene	ND	0.50	5	µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
Toluene	ND	0.50	1000	µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
1,2,3-Trichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
1,2,4-Trichlorobenzene	ND	0.50	70	µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
1,3,5-Trichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
1,1,1-Trichloroethane	ND	0.50	200	µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
1,1,2-Trichloroethane	ND	0.50	5	µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
Trichloroethylene	ND	0.50	5	µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
1,2,3-Trichloropropane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
1,2,4-Trimethylbenzene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
1,3,5-Trimethylbenzene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
Vinyl Chloride	ND	0.50	2	µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
m&p-Xylene	ND	1.0		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
o-Xylene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH
Xylenes (total)	ND	1.5	10000	µg/L	1		EPA 524.2	2/20/25	2/21/25 0:06	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
4-Bromofluorobenzene	106	80-120		2/21/25 0:06
1,2-Dichlorobenzene-d4	111	80-120		2/21/25 0:06

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: 1006 Jerusalem Rd., Bristol, VT Sample Description: Work Order: 25B0932

Date Received: 2/18/2025

Field Sample #: Duplicate Sampled: 2/17/2025 00:01

Sample ID: 25B0932-04

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
# Benzene	110	5.0	5	µg/L	10		EPA 524.2	2/21/25	2/22/25 8:12	EEH
Bromobenzene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
Bromochloromethane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
Bromodichloromethane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
Bromoform	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
Bromomethane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
n-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
sec-Butylbenzene	0.18	0.50		µg/L	1	J	EPA 524.2	2/20/25	2/21/25 0:32	EEH
tert-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
Carbon Tetrachloride	ND	0.50	5	µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
Chlorobenzene	ND	0.50	100	µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
Chloroethane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
Chloroform	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
Chloromethane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
2-Chlorotoluene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
4-Chlorotoluene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
Dibromochloromethane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
Dibromomethane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
1,2-Dichlorobenzene	ND	0.50	600	µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
1,3-Dichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
1,4-Dichlorobenzene	ND	0.50	75	µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
1,1-Dichloroethane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
1,2-Dichloroethane	ND	0.50	5	µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
1,1-Dichloroethylene	ND	0.50	7	µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
cis-1,2-Dichloroethylene	ND	0.50	70	µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
trans-1,2-Dichloroethylene	ND	0.50	100	µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
1,2-Dichloropropane	ND	0.50	5	µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
1,3-Dichloropropane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
2,2-Dichloropropane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
1,1-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
cis-1,3-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
trans-1,3-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
1,3-Dichloropropene (total)	ND	1.0		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
Ethylbenzene	1.1	0.50	700	µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
Hexachlorobutadiene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
Isopropylbenzene (Cumene)	1.2	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
Methyl tert-Butyl Ether (MTBE)	0.91	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
Methylene Chloride	ND	0.50	5	µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
Naphthalene	1.3	1.0		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
n-Propylbenzene	1.5	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
Styrene	ND	0.50	100	µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
1,1,1,2-Tetrachloroethane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: 1006 Jerusalem Rd., Bristol, VT Sample Description: Work Order: 25B0932

Date Received: 2/18/2025

Field Sample #: Duplicate Sampled: 2/17/2025 00:01

Sample ID: 25B0932-04

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
Tetrachloroethylene	1.8	0.50	5	µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
Toluene	14	0.50	1000	µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
1,2,3-Trichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
1,2,4-Trichlorobenzene	ND	0.50	70	µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
1,3,5-Trichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
1,1,1-Trichloroethane	ND	0.50	200	µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
1,1,2-Trichloroethane	ND	0.50	5	µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
Trichloroethylene	ND	0.50	5	µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
1,2,3-Trichloropropane	ND	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
1,2,4-Trimethylbenzene	12	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
1,3,5-Trimethylbenzene	5.3	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
Vinyl Chloride	ND	0.50	2	µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
m&p-Xylene	68	1.0		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
o-Xylene	86	0.50		µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH
Xylenes (total)	150	1.5	10000	µg/L	1		EPA 524.2	2/20/25	2/21/25 0:32	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
4-Bromofluorobenzene	105	80-120		2/22/25 8:12
4-Bromofluorobenzene	105	80-120		2/21/25 0:32
1,2-Dichlorobenzene-d4	109	80-120		2/22/25 8:12
1,2-Dichlorobenzene-d4	110	80-120		2/21/25 0:32

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: 1006 Jerusalem Rd., Bristol, VT Sample Description: Work Order: 25B0932

Date Received: 2/18/2025

Field Sample #: Trip Blank Sampled: 2/17/2025 00:00

Sample ID: 25B0932-05

Sample Matrix: Trip Blank Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.17	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
Bromobenzene	ND	0.50	0.14	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
Bromochloromethane	ND	0.50	0.16	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
Bromodichloromethane	0.61	0.50	0.12	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
Bromoform	ND	0.50	0.17	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
Bromomethane	ND	0.50	0.34	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
n-Butylbenzene	ND	0.50	0.18	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
sec-Butylbenzene	ND	0.50	0.13	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
tert-Butylbenzene	ND	0.50	0.13	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
Carbon Tetrachloride	ND	0.50	0.16	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
Chlorobenzene	ND	0.50	0.14	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
Chloroethane	ND	0.50	0.19	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
Chloroform	10	0.50	0.17	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
Chloromethane	ND	0.50	0.37	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
2-Chlorotoluene	ND	0.50	0.13	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
4-Chlorotoluene	ND	0.50	0.16	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
Dibromochloromethane	ND	0.50	0.13	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
Dibromomethane	ND	0.50	0.12	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
1,2-Dichlorobenzene	ND	0.50	0.15	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
1,3-Dichlorobenzene	ND	0.50	0.14	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
1,4-Dichlorobenzene	ND	0.50	0.16	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.21	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
1,1-Dichloroethane	ND	0.50	0.17	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
1,2-Dichloroethane	ND	0.50	0.16	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
1,1-Dichloroethylene	ND	0.50	0.11	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
cis-1,2-Dichloroethylene	ND	0.50	0.15	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
trans-1,2-Dichloroethylene	ND	0.50	0.18	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
1,2-Dichloropropane	ND	0.50	0.17	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
2,2-Dichloropropane	ND	0.50	0.17	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
1,1-Dichloropropene	ND	0.50	0.14	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
trans-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
1,3-Dichloropropene (total)	ND	1.0	0.30	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
Ethylbenzene	ND	0.50	0.14	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
Hexachlorobutadiene	ND	0.50	0.31	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
Isopropylbenzene (Cumene)	ND	0.50	0.15	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	0.14	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.13	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
Methylene Chloride	ND	0.50	0.18	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
Naphthalene	ND	1.0	0.37	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
n-Propylbenzene	ND	0.50	0.13	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
Styrene	ND	0.50	0.15	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH

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Project Location: 1006 Jerusalem Rd., Bristol, VT Sample Description: Work Order: 25B0932

Date Received: 2/18/2025

Field Sample #: Trip Blank Sampled: 2/17/2025 00:00

Sample ID: 25B0932-05

Sample Matrix: Trip Blank Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.16	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
Tetrachloroethylene	ND	0.50	0.16	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
Toluene	ND	0.50	0.17	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
1,2,3-Trichlorobenzene	ND	0.50	0.24	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
1,2,4-Trichlorobenzene	ND	0.50	0.32	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
1,3,5-Trichlorobenzene	ND	0.50	0.23	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
1,1,1-Trichloroethane	ND	0.50	0.18	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
1,1,2-Trichloroethane	ND	0.50	0.14	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
Trichloroethylene	ND	0.50	0.15	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50	0.16	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
1,2,3-Trichloropropane	ND	0.50	0.12	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
1,2,4-Trimethylbenzene	ND	0.50	0.22	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
1,3,5-Trimethylbenzene	ND	0.50	0.14	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
Vinyl Chloride	ND	0.50	0.29	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
m&p-Xylene	ND	1.0	0.30	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
o-Xylene	ND	0.50	0.18	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH
Xylenes (total)	ND	1.5	0.93	µg/L	1		EPA 524.2	2/20/25	2/20/25 21:08	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
4-Bromofluorobenzene	103	80-120		2/20/25 21:08
1,2-Dichlorobenzene-d4	106	80-120		2/20/25 21:08

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Sample Extraction Data

Prep Method:EPA 524.2 **Analytical Method:EPA 524.2**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25B0932-01 [Influent]	B399304	5	5.00	02/20/25
25B0932-02 [Mid]	B399304	5	5.00	02/20/25
25B0932-03 [Effluent]	B399304	5	5.00	02/20/25
25B0932-04 [Duplicate]	B399304	5	5.00	02/20/25
25B0932-05 [Trip Blank]	B399304	5	5.00	02/20/25

Prep Method:EPA 524.2 **Analytical Method:EPA 524.2**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25B0932-01RE1 [Influent]	B399428	0.5	5.00	02/21/25
25B0932-04RE1 [Duplicate]	B399428	0.5	5.00	02/21/25

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QUALITY CONTROL

Drinking Water Organics EPA 500 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B399304 - EPA 524.2										
Blank (B399304-BLK1)				Prepared & Analyzed: 02/20/25						
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromochloromethane	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	0.50	µg/L							
Bromomethane	ND	0.50	µg/L							
n-Butylbenzene	ND	0.50	µg/L							
sec-Butylbenzene	ND	0.50	µg/L							
tert-Butylbenzene	ND	0.50	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	0.50	µg/L							
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
Dibromochloromethane	ND	0.50	µg/L							
Dibromomethane	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	0.50	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	0.50	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	0.50	µg/L							
Naphthalene	ND	1.0	µg/L							
n-Propylbenzene	ND	0.50	µg/L							
Styrene	ND	0.50	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	0.50	µg/L							
Toluene	ND	0.50	µg/L							
1,2,3-Trichlorobenzene	ND	0.50	µg/L							
1,2,4-Trichlorobenzene	ND	0.50	µg/L							
1,3,5-Trichlorobenzene	ND	0.50	µg/L							
1,1,1-Trichloroethane	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							
Trichloroethylene	ND	0.50	µg/L							

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QUALITY CONTROL

Drinking Water Organics EPA 500 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B399304 - EPA 524.2										
Blank (B399304-BLK1)				Prepared & Analyzed: 02/20/25						
Trichlorofluoromethane (Freon 11)	ND	0.50	µg/L							
1,2,3-Trichloropropane	ND	0.50	µg/L							
1,2,4-Trimethylbenzene	ND	0.50	µg/L							
1,3,5-Trimethylbenzene	ND	0.50	µg/L							
Vinyl Chloride	ND	0.50	µg/L							
m&p-Xylene	ND	1.0	µg/L							
o-Xylene	ND	0.50	µg/L							
Surrogate: 4-Bromofluorobenzene	*25.2*		µg/L	25.00		101	80-120			
Surrogate: 1,2-Dichlorobenzene-d4	*25.6*		µg/L	25.00		103	80-120			
LCS (B399304-BS1)				Prepared & Analyzed: 02/20/25						
Benzene	10	0.50	µg/L	10.00		99.9	70-130			
Bromobenzene	10	0.50	µg/L	10.00		102	70-130			
Bromochloromethane	11	0.50	µg/L	10.00		107	70-130			
Bromodichloromethane	11	0.50	µg/L	10.00		111	70-130			
Bromoform	12	0.50	µg/L	10.00		116	70-130			
Bromomethane	9.6	0.50	µg/L	10.00		96.2	70-130			
n-Butylbenzene	9.7	0.50	µg/L	10.00		96.7	70-130			
sec-Butylbenzene	9.6	0.50	µg/L	10.00		96.0	70-130			
tert-Butylbenzene	10	0.50	µg/L	10.00		104	70-130			
Carbon Tetrachloride	12	0.50	µg/L	10.00		125	70-130			
Chlorobenzene	11	0.50	µg/L	10.00		105	70-130			
Chloroethane	9.3	0.50	µg/L	10.00		92.6	70-130			
Chloroform	10	0.50	µg/L	10.00		103	70-130			
Chloromethane	9.0	0.50	µg/L	10.00		89.5	70-130			
2-Chlorotoluene	10	0.50	µg/L	10.00		101	70-130			
4-Chlorotoluene	10	0.50	µg/L	10.00		100	70-130			
Dibromochloromethane	11	0.50	µg/L	10.00		113	70-130			
Dibromomethane	11	0.50	µg/L	10.00		109	70-130			
1,2-Dichlorobenzene	11	0.50	µg/L	10.00		107	70-130			
1,3-Dichlorobenzene	11	0.50	µg/L	10.00		107	70-130			
1,4-Dichlorobenzene	11	0.50	µg/L	10.00		108	70-130			
Dichlorodifluoromethane (Freon 12)	11	0.50	µg/L	10.00		113	70-130			
1,1-Dichloroethane	11	0.50	µg/L	10.00		108	70-130			
1,2-Dichloroethane	12	0.50	µg/L	10.00		119	70-130			
1,1-Dichloroethylene	11	0.50	µg/L	10.00		111	70-130			
cis-1,2-Dichloroethylene	11	0.50	µg/L	10.00		111	70-130			
trans-1,2-Dichloroethylene	11	0.50	µg/L	10.00		106	70-130			
1,2-Dichloropropane	9.8	0.50	µg/L	10.00		97.9	70-130			
1,3-Dichloropropane	11	0.50	µg/L	10.00		105	70-130			
2,2-Dichloropropane	11	0.50	µg/L	10.00		108	70-130			
1,1-Dichloropropene	11	0.50	µg/L	10.00		113	70-130			
cis-1,3-Dichloropropene	10	0.50	µg/L	10.00		101	70-130			
trans-1,3-Dichloropropene	11	0.50	µg/L	10.00		109	70-130			
Ethylbenzene	11	0.50	µg/L	10.00		107	70-130			
Hexachlorobutadiene	12	0.50	µg/L	10.00		119	70-130			
Isopropylbenzene (Cumene)	10	0.50	µg/L	10.00		101	70-130			
p-Isopropyltoluene (p-Cymene)	10	0.50	µg/L	10.00		101	70-130			
Methyl tert-Butyl Ether (MTBE)	11	0.50	µg/L	10.00		111	70-130			
Methylene Chloride	10	0.50	µg/L	10.00		105	70-130			
Naphthalene	11	1.0	µg/L	10.00		115	70-130			
n-Propylbenzene	9.9	0.50	µg/L	10.00		99.4	70-130			

Pace Analytical Services, LLC - East Longmeadow, Ma

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QUALITY CONTROL

Drinking Water Organics EPA 500 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B399304 - EPA 524.2										
LCS (B399304-BS1)				Prepared & Analyzed: 02/20/25						
Styrene	10	0.50	µg/L	10.00		101	70-130			
1,1,1,2-Tetrachloroethane	11	0.50	µg/L	10.00		112	70-130			
1,1,2,2-Tetrachloroethane	11	0.50	µg/L	10.00		107	70-130			
Tetrachloroethylene	12	0.50	µg/L	10.00		117	70-130			
Toluene	10	0.50	µg/L	10.00		102	70-130			
1,2,3-Trichlorobenzene	11	0.50	µg/L	10.00		114	70-130			
1,2,4-Trichlorobenzene	11	0.50	µg/L	10.00		114	70-130			
1,3,5-Trichlorobenzene	11	0.50	µg/L	10.00		111	70-130			
1,1,1-Trichloroethane	12	0.50	µg/L	10.00		123	70-130			
1,1,2-Trichloroethane	10	0.50	µg/L	10.00		104	70-130			
Trichloroethylene	11	0.50	µg/L	10.00		111	70-130			
Trichlorofluoromethane (Freon 11)	13	0.50	µg/L	10.00		128	70-130			
1,2,3-Trichloropropane	11	0.50	µg/L	10.00		114	70-130			
1,2,4-Trimethylbenzene	10	0.50	µg/L	10.00		104	70-130			
1,3,5-Trimethylbenzene	10	0.50	µg/L	10.00		104	70-130			
Vinyl Chloride	9.6	0.50	µg/L	10.00		96.3	70-130			
m&p-Xylene	21	1.0	µg/L	20.00		103	70-130			
o-Xylene	11	0.50	µg/L	10.00		106	70-130			
Surrogate: 4-Bromofluorobenzene	*25.8*		µg/L	25.00		103	80-120			
Surrogate: 1,2-Dichlorobenzene-d4	*27.4*		µg/L	25.00		110	80-120			
Batch B399428 - EPA 524.2										
Blank (B399428-BLK1)				Prepared & Analyzed: 02/21/25						
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromochloromethane	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	0.50	µg/L							
Bromomethane	ND	0.50	µg/L							
n-Butylbenzene	ND	0.50	µg/L							
sec-Butylbenzene	ND	0.50	µg/L							
tert-Butylbenzene	ND	0.50	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	0.50	µg/L							
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
Dibromochloromethane	ND	0.50	µg/L							
Dibromomethane	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	0.50	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							

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QUALITY CONTROL

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B399428 - EPA 524.2											
Blank (B399428-BLK1)				Prepared & Analyzed: 02/21/25							
1,3-Dichloropropane	ND	0.50	µg/L								
2,2-Dichloropropane	ND	0.50	µg/L								
1,1-Dichloropropene	ND	0.50	µg/L								
cis-1,3-Dichloropropene	ND	0.50	µg/L								
trans-1,3-Dichloropropene	ND	0.50	µg/L								
Ethylbenzene	ND	0.50	µg/L								
Hexachlorobutadiene	ND	0.50	µg/L								
Isopropylbenzene (Cumene)	ND	0.50	µg/L								
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L								
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L								
Methylene Chloride	ND	0.50	µg/L								
Naphthalene	ND	1.0	µg/L								
n-Propylbenzene	ND	0.50	µg/L								
Styrene	ND	0.50	µg/L								
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L								
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L								
Tetrachloroethylene	ND	0.50	µg/L								
Toluene	ND	0.50	µg/L								
1,2,3-Trichlorobenzene	ND	0.50	µg/L								
1,2,4-Trichlorobenzene	ND	0.50	µg/L								
1,3,5-Trichlorobenzene	ND	0.50	µg/L								
1,1,1-Trichloroethane	ND	0.50	µg/L								
1,1,2-Trichloroethane	ND	0.50	µg/L								
Trichloroethylene	ND	0.50	µg/L								
Trichlorofluoromethane (Freon 11)	ND	0.50	µg/L								
1,2,3-Trichloropropane	ND	0.50	µg/L								
1,2,4-Trimethylbenzene	ND	0.50	µg/L								
1,3,5-Trimethylbenzene	ND	0.50	µg/L								
Vinyl Chloride	ND	0.50	µg/L								
m&p-Xylene	ND	1.0	µg/L								
o-Xylene	ND	0.50	µg/L								
Surrogate: 4-Bromofluorobenzene	*26.6*		µg/L	25.00		106		80-120			
Surrogate: 1,2-Dichlorobenzene-d4	*26.3*		µg/L	25.00		105		80-120			
LCS (B399428-BS1)				Prepared & Analyzed: 02/21/25							
Benzene	10	0.50	µg/L	10.00		103		70-130			
Bromobenzene	10	0.50	µg/L	10.00		105		70-130			
Bromochloromethane	11	0.50	µg/L	10.00		106		70-130			
Bromodichloromethane	11	0.50	µg/L	10.00		107		70-130			
Bromoform	12	0.50	µg/L	10.00		120		70-130			
Bromomethane	10	0.50	µg/L	10.00		101		70-130			
n-Butylbenzene	9.6	0.50	µg/L	10.00		96.1		70-130			
sec-Butylbenzene	10	0.50	µg/L	10.00		99.8		70-130			
tert-Butylbenzene	10	0.50	µg/L	10.00		100		70-130			
Carbon Tetrachloride	13	0.50	µg/L	10.00		**131**	*	70-130			L-01
Chlorobenzene	11	0.50	µg/L	10.00		107		70-130			
Chloroethane	9.1	0.50	µg/L	10.00		90.8		70-130			
Chloroform	11	0.50	µg/L	10.00		106		70-130			
Chloromethane	9.2	0.50	µg/L	10.00		91.7		70-130			
2-Chlorotoluene	10	0.50	µg/L	10.00		104		70-130			
4-Chlorotoluene	10	0.50	µg/L	10.00		104		70-130			
Dibromochloromethane	11	0.50	µg/L	10.00		114		70-130			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B399428 - EPA 524.2											
LCS (B399428-BS1)				Prepared & Analyzed: 02/21/25							
Dibromomethane	11	0.50	µg/L	10.00		111		70-130			
1,2-Dichlorobenzene	11	0.50	µg/L	10.00		107		70-130			
1,3-Dichlorobenzene	11	0.50	µg/L	10.00		106		70-130			
1,4-Dichlorobenzene	11	0.50	µg/L	10.00		105		70-130			
Dichlorodifluoromethane (Freon 12)	13	0.50	µg/L	10.00		126		70-130			
1,1-Dichloroethane	11	0.50	µg/L	10.00		106		70-130			
1,2-Dichloroethane	12	0.50	µg/L	10.00		117		70-130			
1,1-Dichloroethylene	11	0.50	µg/L	10.00		112		70-130			
cis-1,2-Dichloroethylene	11	0.50	µg/L	10.00		107		70-130			
trans-1,2-Dichloroethylene	11	0.50	µg/L	10.00		107		70-130			
1,2-Dichloropropane	9.9	0.50	µg/L	10.00		98.9		70-130			
1,3-Dichloropropane	11	0.50	µg/L	10.00		108		70-130			
2,2-Dichloropropane	9.8	0.50	µg/L	10.00		98.5		70-130			
1,1-Dichloropropene	12	0.50	µg/L	10.00		118		70-130			
cis-1,3-Dichloropropene	10	0.50	µg/L	10.00		100		70-130			
trans-1,3-Dichloropropene	11	0.50	µg/L	10.00		108		70-130			
Ethylbenzene	11	0.50	µg/L	10.00		110		70-130			
Hexachlorobutadiene	11	0.50	µg/L	10.00		112		70-130			
Isopropylbenzene (Cumene)	11	0.50	µg/L	10.00		105		70-130			
p-Isopropyltoluene (p-Cymene)	9.6	0.50	µg/L	10.00		96.1		70-130			
Methyl tert-Butyl Ether (MTBE)	11	0.50	µg/L	10.00		108		70-130			
Methylene Chloride	10	0.50	µg/L	10.00		104		70-130			
Naphthalene	11	1.0	µg/L	10.00		114		70-130			
n-Propylbenzene	10	0.50	µg/L	10.00		102		70-130			
Styrene	10	0.50	µg/L	10.00		103		70-130			
1,1,1,2-Tetrachloroethane	11	0.50	µg/L	10.00		109		70-130			
1,1,2,2-Tetrachloroethane	11	0.50	µg/L	10.00		113		70-130			
Tetrachloroethylene	12	0.50	µg/L	10.00		118		70-130			
Toluene	10	0.50	µg/L	10.00		104		70-130			
1,2,3-Trichlorobenzene	11	0.50	µg/L	10.00		111		70-130			
1,2,4-Trichlorobenzene	10	0.50	µg/L	10.00		104		70-130			
1,3,5-Trichlorobenzene	10	0.50	µg/L	10.00		103		70-130			
1,1,1-Trichloroethane	12	0.50	µg/L	10.00		122		70-130			
1,1,2-Trichloroethane	11	0.50	µg/L	10.00		108		70-130			
Trichloroethylene	11	0.50	µg/L	10.00		111		70-130			
Trichlorofluoromethane (Freon 11)	13	0.50	µg/L	10.00		**135**	*	70-130			L-01
1,2,3-Trichloropropane	12	0.50	µg/L	10.00		117		70-130			
1,2,4-Trimethylbenzene	11	0.50	µg/L	10.00		106		70-130			
1,3,5-Trimethylbenzene	10	0.50	µg/L	10.00		100		70-130			
Vinyl Chloride	10	0.50	µg/L	10.00		102		70-130			
m&p-Xylene	21	1.0	µg/L	20.00		107		70-130			
o-Xylene	11	0.50	µg/L	10.00		112		70-130			
Surrogate: 4-Bromofluorobenzene	*26.8*		µg/L	25.00		107		80-120			
Surrogate: 1,2-Dichlorobenzene-d4	*26.4*		µg/L	25.00		106		80-120			

Pace Analytical Services, LLC - East Longmeadow, Ma

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-01	Laboratory fortified blank/laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA 524.2 in Drinking Water	
Benzene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
Bromobenzene	CT,MA,NH,NY,RI,VT-DW,NJ
Bromochloromethane	CT,MA,NH,NY,RI,VT-DW,NJ
Bromodichloromethane	MA,NH,NY,RI,ME,VA,VT-DW,NJ
Bromoform	CT,MA,NH,NY,RI,ME,VT-DW,NJ
Bromomethane	CT,MA,NH,NY,RI,VT-DW,NJ
n-Butylbenzene	CT,MA,NH,NY,RI,VT-DW,NJ
sec-Butylbenzene	CT,MA,NH,NY,RI,VT-DW,NJ
tert-Butylbenzene	CT,MA,NH,NY,RI,VT-DW,NJ
Carbon Tetrachloride	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
Chlorobenzene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
Chloroethane	CT,MA,NH,NY,RI,VT-DW,NJ
Chloroform	MA,NH,NY,RI,ME,VA,VT-DW,NJ
Chloromethane	CT,MA,NH,NY,RI,VT-DW,NJ
2-Chlorotoluene	CT,MA,NH,NY,RI,VT-DW,NJ
4-Chlorotoluene	CT,MA,NH,NY,RI,VT-DW,NJ
Dibromochloromethane	MA,NH,NY,RI,ME,VA,VT-DW,NJ
Dibromomethane	CT,MA,NH,NY,RI,VT-DW,NJ
1,2-Dichlorobenzene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
1,3-Dichlorobenzene	CT,MA,NH,NY,RI,VT-DW,NJ
1,4-Dichlorobenzene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
Dichlorodifluoromethane (Freon 12)	CT,MA,NH,NY,RI,VT-DW,NJ
1,1-Dichloroethane	CT,MA,NH,NY,RI,VT-DW,NJ
1,2-Dichloroethane	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
1,1-Dichloroethylene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
cis-1,2-Dichloroethylene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
trans-1,2-Dichloroethylene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
1,2-Dichloropropane	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
1,3-Dichloropropane	CT,MA,NH,NY,RI,VT-DW,NJ
2,2-Dichloropropane	CT,MA,NH,NY,RI,VT-DW,NJ
1,1-Dichloropropene	CT,MA,NH,NY,RI,VT-DW,NJ
cis-1,3-Dichloropropene	CT,MA,NH,NY,RI,VT-DW,NJ
trans-1,3-Dichloropropene	CT,MA,NH,NY,RI,VT-DW,NJ
1,3-Dichloropropene (total)	CT,MA
Ethylbenzene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
Hexachlorobutadiene	CT,MA,NH,NY,RI,VT-DW,NJ
Isopropylbenzene (Cumene)	CT,MA,NH,NY,RI,VT-DW,NJ
p-Isopropyltoluene (p-Cymene)	CT,MA,NH,NY,RI,VT-DW,NJ
Methyl tert-Butyl Ether (MTBE)	CT,MA,NH,NY,RI,ME,VT-DW,NJ
Methylene Chloride	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
Naphthalene	NY,NJ
n-Propylbenzene	CT,MA,NH,NY,RI,VT-DW,NJ
Styrene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
1,1,1,2-Tetrachloroethane	CT,MA,NH,NY,RI,VT-DW,NJ
1,1,2,2-Tetrachloroethane	CT,MA,NH,NY,RI,VT-DW,NJ
Tetrachloroethylene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
Toluene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ

Pace Analytical Services, LLC - East Longmeadow, Ma

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA 524.2 in Drinking Water	
1,2,3-Trichlorobenzene	CT,MA,NH,NY,RI,VT-DW,NJ
1,2,4-Trichlorobenzene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
1,3,5-Trichlorobenzene	NJ
1,1,1-Trichloroethane	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
1,1,2-Trichloroethane	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
Trichloroethylene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
Trichlorofluoromethane (Freon 11)	CT,MA,NH,NY,RI,VT-DW,NJ
1,2,3-Trichloropropane	CT,MA,NH,NY,RI,VT-DW,NJ
1,2,4-Trimethylbenzene	CT,MA,NH,NY,RI,VT-DW,NJ
1,3,5-Trimethylbenzene	CT,MA,NH,NY,RI,VT-DW,NJ
Vinyl Chloride	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
m&p-Xylene	VA
o-Xylene	VA
Xylenes (total)	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ

Pace Analytical Services, LLC - East Longmeadow, Ma, operates under the following certifications and accreditations:

Code	Description	Number	Expires
MA	Massachusetts DEP	M-MA100	06/30/2025
CT	Connecticut Department of Public Health	PH-0821	12/31/2026
NY	New York State Department of Health	10899 NELAP	04/1/2025
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2026
RI	Rhode Island Department of Health	LAO00373	12/30/2025
NJ	New Jersey DEP	MA007 NELAP	06/30/2025
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2025
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2025

25B0932

Pace Analytical

Phone: 413-525-2332
Fax: 413-525-6405
Access COC's and Support Requests

http://www.pacelabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 5_07/13/2021

Page 1 of 1

Company Name:	Atlas Technical Consultants
Address:	51 Knight Ln. Williston, VT 05495
Phone:	(802)862-1986
Project Name:	1006 Jerusalem Rd.
Project Location:	Bristol, VT
Project Number:	25ATM01294
Project Manager:	Johanna Palmer
Pace Quote Name/Number:	
Invoice Recipient:	APVT@oneatlas.com
Sampled By:	Tom DeLello

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

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

Data Delivery			
Format:	PDF ☑	EXCEL ☑	
Other:			
CLP Like Data Pkg Required:	☐		
Email To:	Johanna.Palmer@oneatlas.com		
Fax To #:			

Dissolved Metals Samples	
○	Field Filtered
○	Lab to Filter

Orthophosphate Samples	
○	Field Filtered
○	Lab to Filter

PCB ONLY

SOXHLET ☐

NON SOXHLET ☐

ANALYSIS REQUESTED

Pace Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	H	524.2 Full List
1	Influent	2/17/25	14:16	G	DW	U	3						X
2	Mid	"	14:14	"	"	"	"						X
3	Effluent	"	14:12	"	"	"	"						X
4	Duplicate	"	00:01	"	"	"	"						X
5	Trip Blank	"	08:00	"	TB	"	2						X

[2] Preservation Code

Courier Use Only

Total Number Of:

VIALS_____
GLASS_____
PLASTIC_____
BACTERIA_____
ENCORE_____

Glassware in the fridge? Y / N

Glassware in freezer? Y / N

Prepackaged Cooler? Y / N

*Pace Analytical is not responsible for missing samples from prepacked coolers

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

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

	Date/Time:	Client Comments:
Relinquished by: (signature)	2/17/25 1545	
Received by: (signature)	2/18 1455	
Relinquished by: (signature)	2/18 1854	
Received by: (signature)	2/18/25 1840	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Detection Limit Requirements		Special Requirements	
MA		☐	MA MCP Required
			MCP Certification Form Required
		☐	CT RCP Required
CT			RCP Certification Form Required
		☐	MA State DW Required
Other:		PWSID #	

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

NELAC and AIHA-LAP, LLC Accredited

Project Entity

Government	☐	Municipality	☐	MWRA	☐
Federal	☐	21 J	☐	School	☐
City	☐	Brownfield	☐	MBTA	☐

WRTA ☐

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

Comments:

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

Exhibit S

Table of Contents

Exhibit S

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0001 v08_Sample Receiving Checklist
	Effective Date: 06/11/2024

Log In Back-Sheet

Login Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy) Any False statement will be brought to the attention of the Client – True or False

Client: Atlas Tech

Project: Jerusalem Rd

MCP/RCP Required: MA

Deliverable Package Requirement: MA

Location: Bristol, VT

PWSID# (When Applicable): MA

Arrival Method:

Courier ☑ Fed Ex ☐ Walk In ☐ Other ☐

Received By / Date / Time: MEM 2/18/25 1840

Back-Sheet By / Date / Time: LA 2/19/25 1214

Temperature Method: Gun # 6

WV samples: Yes (see note*) / (No) follow normal procedure)

Temp ✓ < 6° C Actual Temperature: 5.3

Rush Samples: Yes / (No) Notify

Short Hold: Yes / (No) Notify

	True	False
Received on Ice	☑	☐
Received in Cooler	☑	☐
Custody Seal: DATE TIME	☐	☑
COC Relinquished	☑	☐
COC/Samples Labels Agree	☑	☐
All Samples in Good Condition	☑	☐
Samples Received within Holding Time	☑	☐
Is there enough Volume	☑	☐
Proper Media/Container Used	☑	☐
Splitting Samples Required	☐	☑
MS/MSD	☐	☑
Trip Blanks	☐	☑
Lab to Filters	☐	☑
COC Legible	☑	☐
COC Included: (Check all included)		
Client ☑ Analysis ☑ Sampler Name ☑		
Project ☑ IDs ☑ Collection Date/Time ☑		
All Samples Proper pH: N/A	☐	☐

Notes regarding Samples/COC outside of SOP:

Additional Container Notes

**Note: West Virginia requires all samples to have their temperature taken. Note any outliers.*

Qualtrax ID: 120836

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0001 v08_Sample Receiving Checklist
	Effective Date: 06/11/2024

Sample			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
16oz Amb/Clear	(Circle Amb/Clear)	Soils Jars																				
8oz Amb/Clear																						
4oz Amb/Clear																						
2oz Amb/Clear																						
Unpreserved	1 Liter	Ambers																				
HCL																						
Sulfuric																						
Sulfuric	250mL																					
Phosphoric																						
HCl																						
Unpreserved	100mL																					
Unpreserved	1 Liter	Plastics																				
Sulfuric																						
Unpreserved	500mL																					
Sulfuric																						
Unpreserved	250mL																					
Trizma																						
Sulfuric																						
Nitric																						
NaOH																						
Ammonium Acetate																						
NaOH/Zinc																						
Unpreserved		VOA Vials																				
HCl			3	3	3	3	2															
MeOH																						
D.I. Water																						
BiSulfate																						
Col/Bact		Other / Fill in																				

Exhibit S

Pace Analytical Services, LLC - East Longmeadow, Ma

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

March 21, 2025

Jo Palmer
Atlas Technical Consultants - Vermont
51 Knight Lane, PO Box 1486
Williston, VT 05495

Project Location: Bristol, VT
Client Job Number:
Project Number: 280EM01294
Laboratory Work Order Number: 25C1027

Enclosed are results of analyses for samples as received by the laboratory on March 18, 2025. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Theresa L. Ferrentino
Project Manager

Exhibit S

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Pace Analytical Services, LLC - East Longmeadow, Ma

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

Atlas Technical Consultants - Vermont
51 Knight Lane, PO Box 1486
Williston, VT 05495
ATTN: Jo Palmer

REPORT DATE: 3/21/2025

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 280EM01294

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 25C1027

The results of analyses performed on the following samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, are found in this report.

PROJECT LOCATION: Bristol, VT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Effluent	25C1027-01	Drinking Water		EPA 524.2	
DUP	25C1027-02	Drinking Water		EPA 524.2	
Mid	25C1027-03	Drinking Water		EPA 524.2	
Influent	25C1027-04	Drinking Water		EPA 524.2	
Well	25C1027-05	Drinking Water		EPA 524.2	
TB	25C1027-06	Trip Blank Water		EPA 524.2	

Exhibit S

Pace Analytical Services, LLC - East Longmeadow, Ma

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CASE NARRATIVE SUMMARY

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

The results of analyses reported only relate to samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25C1027

Date Received: 3/18/2025

Field Sample #: Effluent | Sampled: 3/17/2025 09:25

Sample ID: 25C1027-01

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	5	µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
Bromobenzene	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
Bromochloromethane	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
Bromodichloromethane	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
Bromoform	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
Bromomethane	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
n-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
sec-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
tert-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
Carbon Tetrachloride	ND	0.50	5	µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
Chlorobenzene	ND	0.50	100	µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
Chloroethane	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
Chloroform	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
Chloromethane	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
2-Chlorotoluene	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
4-Chlorotoluene	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
Dibromochloromethane	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
Dibromomethane	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
1,2-Dichlorobenzene	ND	0.50	600	µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
1,3-Dichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
1,4-Dichlorobenzene	ND	0.50	75	µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
1,1-Dichloroethane	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
1,2-Dichloroethane	ND	0.50	5	µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
1,1-Dichloroethylene	ND	0.50	7	µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
cis-1,2-Dichloroethylene	ND	0.50	70	µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
trans-1,2-Dichloroethylene	ND	0.50	100	µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
1,2-Dichloropropane	ND	0.50	5	µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
1,3-Dichloropropane	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
2,2-Dichloropropane	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
1,1-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
cis-1,3-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
trans-1,3-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
1,3-Dichloropropene (total)	ND	1.0		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
Ethylbenzene	ND	0.50	700	µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
Hexachlorobutadiene	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
Isopropylbenzene (Cumene)	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
Methylene Chloride	ND	0.50	5	µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
Naphthalene	ND	1.0		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
n-Propylbenzene	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
Styrene	ND	0.50	100	µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
1,1,1,2-Tetrachloroethane	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25C1027

Date Received: 3/18/2025

Field Sample #: Effluent | Sampled: 3/17/2025 09:25

Sample ID: 25C1027-01

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
Tetrachloroethylene	ND	0.50	5	µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
Toluene	ND	0.50	1000	µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
1,2,3-Trichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
1,2,4-Trichlorobenzene	ND	0.50	70	µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
1,3,5-Trichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
1,1,1-Trichloroethane	ND	0.50	200	µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
1,1,2-Trichloroethane	ND	0.50	5	µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
Trichloroethylene	ND	0.50	5	µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
1,2,3-Trichloropropane	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
1,2,4-Trimethylbenzene	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
1,3,5-Trimethylbenzene	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
Vinyl Chloride	ND	0.50	2	µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
m&p-Xylene	ND	1.0		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
o-Xylene	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH
Xylenes (total)	ND	1.5	10000	µg/L	1		EPA 524.2	3/18/25	3/20/25 3:10	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
4-Bromofluorobenzene	99.7	80-120		3/20/25 3:10
1,2-Dichlorobenzene-d4	102	80-120		3/20/25 3:10

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25C1027

Date Received: 3/18/2025

Field Sample #: DUP | Sampled: 3/17/2025 00:01

Sample ID: 25C1027-02

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	5	µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
Bromobenzene	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
Bromochloromethane	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
Bromodichloromethane	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
Bromoform	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
Bromomethane	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
n-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
sec-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
tert-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
Carbon Tetrachloride	ND	0.50	5	µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
Chlorobenzene	ND	0.50	100	µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
Chloroethane	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
Chloroform	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
Chloromethane	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
2-Chlorotoluene	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
4-Chlorotoluene	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
Dibromochloromethane	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
Dibromomethane	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
1,2-Dichlorobenzene	ND	0.50	600	µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
1,3-Dichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
1,4-Dichlorobenzene	ND	0.50	75	µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
1,1-Dichloroethane	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
1,2-Dichloroethane	ND	0.50	5	µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
1,1-Dichloroethylene	ND	0.50	7	µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
cis-1,2-Dichloroethylene	ND	0.50	70	µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
trans-1,2-Dichloroethylene	ND	0.50	100	µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
1,2-Dichloropropane	ND	0.50	5	µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
1,3-Dichloropropane	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
2,2-Dichloropropane	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
1,1-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
cis-1,3-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
trans-1,3-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
1,3-Dichloropropene (total)	ND	1.0		µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
Ethylbenzene	ND	0.50	700	µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
Hexachlorobutadiene	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
Isopropylbenzene (Cumene)	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
Methylene Chloride	ND	0.50	5	µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
Naphthalene	ND	1.0		µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
n-Propylbenzene	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
Styrene	ND	0.50	100	µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
1,1,1,2-Tetrachloroethane	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25C1027

Date Received: 3/18/2025

Field Sample #: DUP | Sampled: 3/17/2025 00:01

Sample ID: 25C1027-02

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
Tetrachloroethylene	ND	0.50	5	µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
Toluene	ND	0.50	1000	µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
1,2,3-Trichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
1,2,4-Trichlorobenzene	ND	0.50	70	µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
1,3,5-Trichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
1,1,1-Trichloroethane	ND	0.50	200	µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
1,1,2-Trichloroethane	ND	0.50	5	µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
Trichloroethylene	ND	0.50	5	µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
1,2,3-Trichloropropane	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
1,2,4-Trimethylbenzene	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
1,3,5-Trimethylbenzene	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
Vinyl Chloride	ND	0.50	2	µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
m&p-Xylene	ND	1.0		µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
o-Xylene	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH
Xylenes (total)	ND	1.5	10000	µg/L	1		EPA 524.2	3/18/25	3/20/25 4:01	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
4-Bromofluorobenzene	103	80-120		3/20/25 4:01
1,2-Dichlorobenzene-d4	98.8	80-120		3/20/25 4:01

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25C1027

Date Received: 3/18/2025

Field Sample #: Mid | Sampled: 3/17/2025 09:30

Sample ID: 25C1027-03

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	5	µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
Bromobenzene	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
Bromochloromethane	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
Bromodichloromethane	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
Bromoform	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
Bromomethane	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
n-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
sec-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
tert-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
Carbon Tetrachloride	ND	0.50	5	µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
Chlorobenzene	ND	0.50	100	µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
Chloroethane	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
Chloroform	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
Chloromethane	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
2-Chlorotoluene	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
4-Chlorotoluene	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
Dibromochloromethane	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
Dibromomethane	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
1,2-Dichlorobenzene	ND	0.50	600	µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
1,3-Dichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
1,4-Dichlorobenzene	ND	0.50	75	µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
1,1-Dichloroethane	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
1,2-Dichloroethane	ND	0.50	5	µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
1,1-Dichloroethylene	ND	0.50	7	µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
cis-1,2-Dichloroethylene	ND	0.50	70	µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
trans-1,2-Dichloroethylene	ND	0.50	100	µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
1,2-Dichloropropane	ND	0.50	5	µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
1,3-Dichloropropane	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
2,2-Dichloropropane	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
1,1-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
cis-1,3-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
trans-1,3-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
1,3-Dichloropropene (total)	ND	1.0		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
Ethylbenzene	ND	0.50	700	µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
Hexachlorobutadiene	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
Isopropylbenzene (Cumene)	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
Methylene Chloride	ND	0.50	5	µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
Naphthalene	ND	1.0		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
n-Propylbenzene	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
Styrene	ND	0.50	100	µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
1,1,1,2-Tetrachloroethane	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25C1027

Date Received: 3/18/2025

Field Sample #: Mid | Sampled: 3/17/2025 09:30

Sample ID: 25C1027-03

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
Tetrachloroethylene	ND	0.50	5	µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
Toluene	ND	0.50	1000	µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
1,2,3-Trichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
1,2,4-Trichlorobenzene	ND	0.50	70	µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
1,3,5-Trichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
1,1,1-Trichloroethane	ND	0.50	200	µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
1,1,2-Trichloroethane	ND	0.50	5	µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
Trichloroethylene	ND	0.50	5	µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
1,2,3-Trichloropropane	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
1,2,4-Trimethylbenzene	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
1,3,5-Trimethylbenzene	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
Vinyl Chloride	ND	0.50	2	µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
m&p-Xylene	ND	1.0		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
o-Xylene	ND	0.50		µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH
Xylenes (total)	ND	1.5	10000	µg/L	1		EPA 524.2	3/18/25	3/20/25 3:36	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
4-Bromofluorobenzene	100	80-120		3/20/25 3:36
1,2-Dichlorobenzene-d4	101	80-120		3/20/25 3:36

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25C1027

Date Received: 3/18/2025

Field Sample #: Influent | Sampled: 3/17/2025 09:32

Sample ID: 25C1027-04

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	5	µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
Bromobenzene	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
Bromochloromethane	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
Bromodichloromethane	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
Bromoform	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
Bromomethane	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
n-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
sec-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
tert-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
Carbon Tetrachloride	ND	0.50	5	µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
Chlorobenzene	ND	0.50	100	µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
Chloroethane	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
Chloroform	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
Chloromethane	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
2-Chlorotoluene	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
4-Chlorotoluene	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
Dibromochloromethane	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
Dibromomethane	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
1,2-Dichlorobenzene	ND	0.50	600	µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
1,3-Dichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
1,4-Dichlorobenzene	ND	0.50	75	µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
1,1-Dichloroethane	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
1,2-Dichloroethane	ND	0.50	5	µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
1,1-Dichloroethylene	ND	0.50	7	µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
cis-1,2-Dichloroethylene	ND	0.50	70	µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
trans-1,2-Dichloroethylene	ND	0.50	100	µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
1,2-Dichloropropane	ND	0.50	5	µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
1,3-Dichloropropane	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
2,2-Dichloropropane	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
1,1-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
cis-1,3-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
trans-1,3-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
1,3-Dichloropropene (total)	ND	1.0		µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
Ethylbenzene	ND	0.50	700	µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
Hexachlorobutadiene	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
Isopropylbenzene (Cumene)	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
Methylene Chloride	ND	0.50	5	µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
Naphthalene	ND	1.0		µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
n-Propylbenzene	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
Styrene	ND	0.50	100	µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
1,1,1,2-Tetrachloroethane	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25C1027

Date Received: 3/18/2025

Field Sample #: Influent | Sampled: 3/17/2025 09:32

Sample ID: 25C1027-04

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
Tetrachloroethylene	ND	0.50	5	µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
Toluene	ND	0.50	1000	µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
1,2,3-Trichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
1,2,4-Trichlorobenzene	ND	0.50	70	µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
1,3,5-Trichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
1,1,1-Trichloroethane	ND	0.50	200	µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
1,1,2-Trichloroethane	ND	0.50	5	µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
Trichloroethylene	ND	0.50	5	µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
1,2,3-Trichloropropane	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
1,2,4-Trimethylbenzene	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
1,3,5-Trimethylbenzene	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
Vinyl Chloride	ND	0.50	2	µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
m&p-Xylene	ND	1.0		µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
o-Xylene	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH
Xylenes (total)	ND	1.5	10000	µg/L	1		EPA 524.2	3/19/25	3/20/25 15:47	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
4-Bromofluorobenzene	103	80-120		3/20/25 15:47
1,2-Dichlorobenzene-d4	98.6	80-120		3/20/25 15:47

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25C1027

Date Received: 3/18/2025

Field Sample #: Well | Sampled: 3/17/2025 09:54

Sample ID: 25C1027-05

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	5	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
Bromobenzene	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
Bromochloromethane	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
Bromodichloromethane	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
Bromoform	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
Bromomethane	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
n-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
sec-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
tert-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
Carbon Tetrachloride	ND	0.50	5	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
Chlorobenzene	ND	0.50	100	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
Chloroethane	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
Chloroform	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
Chloromethane	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
2-Chlorotoluene	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
4-Chlorotoluene	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
Dibromochloromethane	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
Dibromomethane	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
1,2-Dichlorobenzene	ND	0.50	600	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
1,3-Dichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
1,4-Dichlorobenzene	ND	0.50	75	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
1,1-Dichloroethane	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
1,2-Dichloroethane	ND	0.50	5	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
1,1-Dichloroethylene	ND	0.50	7	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
cis-1,2-Dichloroethylene	ND	0.50	70	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
trans-1,2-Dichloroethylene	ND	0.50	100	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
1,2-Dichloropropane	ND	0.50	5	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
1,3-Dichloropropane	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
2,2-Dichloropropane	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
1,1-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
cis-1,3-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
trans-1,3-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
1,3-Dichloropropene (total)	ND	1.0		µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
Ethylbenzene	ND	0.50	700	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
Hexachlorobutadiene	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
Isopropylbenzene (Cumene)	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
Methylene Chloride	ND	0.50	5	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
Naphthalene	ND	1.0		µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
n-Propylbenzene	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
Styrene	ND	0.50	100	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
1,1,1,2-Tetrachloroethane	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25C1027

Date Received: 3/18/2025

Field Sample #: Well | Sampled: 3/17/2025 09:54

Sample ID: 25C1027-05

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
Tetrachloroethylene	ND	0.50	5	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
Toluene	ND	0.50	1000	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
1,2,3-Trichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
1,2,4-Trichlorobenzene	ND	0.50	70	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
1,3,5-Trichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
1,1,1-Trichloroethane	ND	0.50	200	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
1,1,2-Trichloroethane	ND	0.50	5	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
Trichloroethylene	ND	0.50	5	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
1,2,3-Trichloropropane	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
1,2,4-Trimethylbenzene	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
1,3,5-Trimethylbenzene	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
Vinyl Chloride	ND	0.50	2	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
m&p-Xylene	ND	1.0		µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
o-Xylene	ND	0.50		µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH
Xylenes (total)	ND	1.5	10000	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:58	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
4-Bromofluorobenzene	99.9	80-120		3/20/25 11:58
1,2-Dichlorobenzene-d4	97.7	80-120		3/20/25 11:58

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25C1027

Date Received: 3/18/2025

Field Sample #: TB | Sampled: 3/17/2025 08:00

Sample ID: 25C1027-06

Sample Matrix: Trip Blank Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
Bromobenzene	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
Bromochloromethane	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
Bromodichloromethane	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
Bromoform	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
Bromomethane	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
n-Butylbenzene	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
sec-Butylbenzene	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
tert-Butylbenzene	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
Carbon Tetrachloride	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
Chlorobenzene	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
Chloroethane	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
Chloroform	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
Chloromethane	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
2-Chlorotoluene	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
4-Chlorotoluene	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
Dibromochloromethane	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
Dibromomethane	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
1,2-Dichlorobenzene	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
1,3-Dichlorobenzene	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
1,4-Dichlorobenzene	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
1,1-Dichloroethane	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
1,2-Dichloroethane	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
1,1-Dichloroethylene	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
trans-1,2-Dichloroethylene	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
1,2-Dichloropropane	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
2,2-Dichloropropane	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
1,1-Dichloropropene	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
1,3-Dichloropropene (total)	ND	1.0	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
Ethylbenzene	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
Hexachlorobutadiene	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
Methylene Chloride	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
Naphthalene	ND	1.0	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
n-Propylbenzene	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
Styrene	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH

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Project Location: Bristol, VT | Sample Description: | Work Order: 25C1027

Date Received: 3/18/2025

Field Sample #: TB | Sampled: 3/17/2025 08:00

Sample ID: 25C1027-06

Sample Matrix: Trip Blank Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
Tetrachloroethylene	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
Toluene	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
1,2,4-Trichlorobenzene	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
1,3,5-Trichlorobenzene	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
1,1,1-Trichloroethane	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
1,1,2-Trichloroethane	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
Trichloroethylene	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
1,2,3-Trichloropropane	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
Vinyl Chloride	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
m&p-Xylene	ND	1.0	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
o-Xylene	ND	0.50	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH
Xylenes (total)	ND	1.5	µg/L	1		EPA 524.2	3/19/25	3/20/25 11:07	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
4-Bromofluorobenzene	100	80-120		3/20/25 11:07
1,2-Dichlorobenzene-d4	98.5	80-120		3/20/25 11:07

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Sample Extraction Data

Prep Method:EPA 524.2 **Analytical Method:EPA 524.2**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25C1027-01 [Effluent]	B401074	5	5.00	03/18/25
25C1027-02 [DUP]	B401074	5	5.00	03/18/25
25C1027-03 [Mid]	B401074	5	5.00	03/18/25

Prep Method:EPA 524.2 **Analytical Method:EPA 524.2**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25C1027-04 [Influent]	B401169	5	5.00	03/19/25
25C1027-05 [Well]	B401169	5	5.00	03/19/25
25C1027-06 [TB]	B401169	5	5.00	03/19/25

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QUALITY CONTROL

Drinking Water Organics EPA 500 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B401074 - EPA 524.2										
Blank (B401074-BLK1)				Prepared: 03/18/25 Analyzed: 03/19/25						
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromochloromethane	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	0.50	µg/L							
Bromomethane	ND	0.50	µg/L							
n-Butylbenzene	ND	0.50	µg/L							
sec-Butylbenzene	ND	0.50	µg/L							
tert-Butylbenzene	ND	0.50	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	0.50	µg/L							
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
Dibromochloromethane	ND	0.50	µg/L							
Dibromomethane	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	0.50	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	0.50	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	0.50	µg/L							
Naphthalene	ND	1.0	µg/L							
n-Propylbenzene	ND	0.50	µg/L							
Styrene	ND	0.50	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	0.50	µg/L							
Toluene	ND	0.50	µg/L							
1,2,3-Trichlorobenzene	ND	0.50	µg/L							
1,2,4-Trichlorobenzene	ND	0.50	µg/L							
1,3,5-Trichlorobenzene	ND	0.50	µg/L							
1,1,1-Trichloroethane	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							
Trichloroethylene	ND	0.50	µg/L							

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QUALITY CONTROL

Drinking Water Organics EPA 500 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B401074 - EPA 524.2										
Blank (B401074-BLK1)				Prepared: 03/18/25 Analyzed: 03/19/25						
Trichlorofluoromethane (Freon 11)	ND	0.50	µg/L							
1,2,3-Trichloropropane	ND	0.50	µg/L							
1,2,4-Trimethylbenzene	ND	0.50	µg/L							
1,3,5-Trimethylbenzene	ND	0.50	µg/L							
Vinyl Chloride	ND	0.50	µg/L							
m&p-Xylene	ND	1.0	µg/L							
o-Xylene	ND	0.50	µg/L							
Surrogate: 4-Bromofluorobenzene	*25.1*		µg/L	25.00		100	80-120			
Surrogate: 1,2-Dichlorobenzene-d4	*24.6*		µg/L	25.00		98.6	80-120			
LCS (B401074-BS1)				Prepared: 03/18/25 Analyzed: 03/19/25						
Benzene	9.6	0.50	µg/L	10.00		96.3	70-130			
Bromobenzene	10	0.50	µg/L	10.00		103	70-130			
Bromochloromethane	12	0.50	µg/L	10.00		120	70-130			
Bromodichloromethane	11	0.50	µg/L	10.00		107	70-130			
Bromoform	10	0.50	µg/L	10.00		102	70-130			
Bromomethane	9.9	0.50	µg/L	10.00		98.8	70-130			
n-Butylbenzene	9.3	0.50	µg/L	10.00		93.3	70-130			
sec-Butylbenzene	9.5	0.50	µg/L	10.00		95.2	70-130			
tert-Butylbenzene	9.6	0.50	µg/L	10.00		96.2	70-130			
Carbon Tetrachloride	12	0.50	µg/L	10.00		121	70-130			
Chlorobenzene	10	0.50	µg/L	10.00		103	70-130			
Chloroethane	9.5	0.50	µg/L	10.00		94.8	70-130			
Chloroform	10	0.50	µg/L	10.00		102	70-130			
Chloromethane	11	0.50	µg/L	10.00		110	70-130			
2-Chlorotoluene	9.7	0.50	µg/L	10.00		96.7	70-130			
4-Chlorotoluene	9.7	0.50	µg/L	10.00		96.8	70-130			
Dibromochloromethane	11	0.50	µg/L	10.00		106	70-130			
Dibromomethane	11	0.50	µg/L	10.00		108	70-130			
1,2-Dichlorobenzene	9.9	0.50	µg/L	10.00		99.1	70-130			
1,3-Dichlorobenzene	9.9	0.50	µg/L	10.00		98.7	70-130			
1,4-Dichlorobenzene	10	0.50	µg/L	10.00		102	70-130			
Dichlorodifluoromethane (Freon 12)	12	0.50	µg/L	10.00		117	70-130			
1,1-Dichloroethane	10	0.50	µg/L	10.00		104	70-130			
1,2-Dichloroethane	12	0.50	µg/L	10.00		118	70-130			
1,1-Dichloroethylene	11	0.50	µg/L	10.00		114	70-130			
cis-1,2-Dichloroethylene	11	0.50	µg/L	10.00		108	70-130			
trans-1,2-Dichloroethylene	10	0.50	µg/L	10.00		104	70-130			
1,2-Dichloropropane	9.9	0.50	µg/L	10.00		98.8	70-130			
1,3-Dichloropropane	11	0.50	µg/L	10.00		107	70-130			
2,2-Dichloropropane	9.6	0.50	µg/L	10.00		96.5	70-130			
1,1-Dichloropropene	11	0.50	µg/L	10.00		110	70-130			
cis-1,3-Dichloropropene	9.6	0.50	µg/L	10.00		95.8	70-130			
trans-1,3-Dichloropropene	10	0.50	µg/L	10.00		99.8	70-130			
Ethylbenzene	10	0.50	µg/L	10.00		102	70-130			
Hexachlorobutadiene	8.6	0.50	µg/L	10.00		86.0	70-130			
Isopropylbenzene (Cumene)	9.8	0.50	µg/L	10.00		97.9	70-130			
p-Isopropyltoluene (p-Cymene)	9.5	0.50	µg/L	10.00		94.8	70-130			
Methyl tert-Butyl Ether (MTBE)	10	0.50	µg/L	10.00		105	70-130			
Methylene Chloride	13	0.50	µg/L	10.00		126	70-130			
Naphthalene	9.9	1.0	µg/L	10.00		99.3	70-130			
n-Propylbenzene	9.7	0.50	µg/L	10.00		97.4	70-130			

Pace Analytical Services, LLC - East Longmeadow, Ma

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QUALITY CONTROL

Drinking Water Organics EPA 500 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B401074 - EPA 524.2										
LCS (B401074-BS1)				Prepared: 03/18/25 Analyzed: 03/19/25						
Styrene	9.9	0.50	µg/L	10.00		99.0	70-130			
1,1,1,2-Tetrachloroethane	10	0.50	µg/L	10.00		103	70-130			
1,1,2,2-Tetrachloroethane	11	0.50	µg/L	10.00		107	70-130			
Tetrachloroethylene	11	0.50	µg/L	10.00		107	70-130			
Toluene	9.8	0.50	µg/L	10.00		98.3	70-130			
1,2,3-Trichlorobenzene	9.3	0.50	µg/L	10.00		92.6	70-130			
1,2,4-Trichlorobenzene	9.2	0.50	µg/L	10.00		91.6	70-130			
1,3,5-Trichlorobenzene	9.3	0.50	µg/L	10.00		92.8	70-130			
1,1,1-Trichloroethane	11	0.50	µg/L	10.00		114	70-130			
1,1,2-Trichloroethane	10	0.50	µg/L	10.00		102	70-130			
Trichloroethylene	11	0.50	µg/L	10.00		109	70-130			
Trichlorofluoromethane (Freon 11)	13	0.50	µg/L	10.00		129	70-130			
1,2,3-Trichloropropane	12	0.50	µg/L	10.00		116	70-130			
1,2,4-Trimethylbenzene	10	0.50	µg/L	10.00		99.5	70-130			
1,3,5-Trimethylbenzene	9.7	0.50	µg/L	10.00		97.2	70-130			
Vinyl Chloride	10	0.50	µg/L	10.00		103	70-130			
m&p-Xylene	20	1.0	µg/L	20.00		99.2	70-130			
o-Xylene	10	0.50	µg/L	10.00		100	70-130			
Surrogate: 4-Bromofluorobenzene	*26.2*		µg/L	25.00		105	80-120			
Surrogate: 1,2-Dichlorobenzene-d4	*25.6*		µg/L	25.00		102	80-120			
Batch B401169 - EPA 524.2										
Blank (B401169-BLK1)				Prepared: 03/19/25 Analyzed: 03/20/25						
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromochloromethane	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	0.50	µg/L							
Bromomethane	ND	0.50	µg/L							
n-Butylbenzene	ND	0.50	µg/L							
sec-Butylbenzene	ND	0.50	µg/L							
tert-Butylbenzene	ND	0.50	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	0.50	µg/L							
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
Dibromochloromethane	ND	0.50	µg/L							
Dibromomethane	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	0.50	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							

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QUALITY CONTROL

Drinking Water Organics EPA 500 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B401169 - EPA 524.2										
Blank (B401169-BLK1)				Prepared: 03/19/25 Analyzed: 03/20/25						
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	0.50	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	0.50	µg/L							
Naphthalene	ND	1.0	µg/L							
n-Propylbenzene	ND	0.50	µg/L							
Styrene	ND	0.50	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	0.50	µg/L							
Toluene	ND	0.50	µg/L							
1,2,3-Trichlorobenzene	ND	0.50	µg/L							
1,2,4-Trichlorobenzene	ND	0.50	µg/L							
1,3,5-Trichlorobenzene	ND	0.50	µg/L							
1,1,1-Trichloroethane	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							
Trichloroethylene	ND	0.50	µg/L							
Trichlorofluoromethane (Freon 11)	ND	0.50	µg/L							
1,2,3-Trichloropropane	ND	0.50	µg/L							
1,2,4-Trimethylbenzene	ND	0.50	µg/L							
1,3,5-Trimethylbenzene	ND	0.50	µg/L							
Vinyl Chloride	ND	0.50	µg/L							
m&p-Xylene	ND	1.0	µg/L							
o-Xylene	ND	0.50	µg/L							
Surrogate: 4-Bromofluorobenzene	*25.5*		µg/L	25.00		102	80-120			
Surrogate: 1,2-Dichlorobenzene-d4	*24.8*		µg/L	25.00		99.4	80-120			
LCS (B401169-BS1)				Prepared: 03/19/25 Analyzed: 03/20/25						
Benzene	10	0.50	µg/L	10.00		99.7	70-130			
Bromobenzene	10	0.50	µg/L	10.00		103	70-130			
Bromochloromethane	12	0.50	µg/L	10.00		119	70-130			
Bromodichloromethane	11	0.50	µg/L	10.00		106	70-130			
Bromoform	10	0.50	µg/L	10.00		102	70-130			
Bromomethane	9.5	0.50	µg/L	10.00		95.4	70-130			
n-Butylbenzene	9.1	0.50	µg/L	10.00		91.2	70-130			
sec-Butylbenzene	9.1	0.50	µg/L	10.00		90.6	70-130			
tert-Butylbenzene	9.8	0.50	µg/L	10.00		98.1	70-130			
Carbon Tetrachloride	12	0.50	µg/L	10.00		123	70-130			
Chlorobenzene	10	0.50	µg/L	10.00		101	70-130			
Chloroethane	10	0.50	µg/L	10.00		100	70-130			
Chloroform	10	0.50	µg/L	10.00		104	70-130			
Chloromethane	11	0.50	µg/L	10.00		107	70-130			
2-Chlorotoluene	9.8	0.50	µg/L	10.00		98.0	70-130			
4-Chlorotoluene	9.9	0.50	µg/L	10.00		99.3	70-130			
Dibromochloromethane	10	0.50	µg/L	10.00		105	70-130			

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QUALITY CONTROL

Drinking Water Organics EPA 500 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B401169 - EPA 524.2										
LCS (B401169-BS1)				Prepared: 03/19/25 Analyzed: 03/20/25						
Dibromomethane	11	0.50	µg/L	10.00		107	70-130			
1,2-Dichlorobenzene	9.7	0.50	µg/L	10.00		96.7	70-130			
1,3-Dichlorobenzene	9.5	0.50	µg/L	10.00		95.0	70-130			
1,4-Dichlorobenzene	9.7	0.50	µg/L	10.00		97.3	70-130			
Dichlorodifluoromethane (Freon 12)	11	0.50	µg/L	10.00		106	70-130			
1,1-Dichloroethane	11	0.50	µg/L	10.00		106	70-130			
1,2-Dichloroethane	12	0.50	µg/L	10.00		118	70-130			
1,1-Dichloroethylene	11	0.50	µg/L	10.00		112	70-130			
cis-1,2-Dichloroethylene	11	0.50	µg/L	10.00		106	70-130			
trans-1,2-Dichloroethylene	10	0.50	µg/L	10.00		104	70-130			
1,2-Dichloropropane	9.8	0.50	µg/L	10.00		97.8	70-130			
1,3-Dichloropropane	11	0.50	µg/L	10.00		106	70-130			
2,2-Dichloropropane	11	0.50	µg/L	10.00		107	70-130			
1,1-Dichloropropene	11	0.50	µg/L	10.00		114	70-130			
cis-1,3-Dichloropropene	9.6	0.50	µg/L	10.00		96.2	70-130			
trans-1,3-Dichloropropene	10	0.50	µg/L	10.00		101	70-130			
Ethylbenzene	10	0.50	µg/L	10.00		104	70-130			
Hexachlorobutadiene	9.0	0.50	µg/L	10.00		89.5	70-130			
Isopropylbenzene (Cumene)	10	0.50	µg/L	10.00		99.8	70-130			
p-Isopropyltoluene (p-Cymene)	9.2	0.50	µg/L	10.00		91.8	70-130			
Methyl tert-Butyl Ether (MTBE)	10	0.50	µg/L	10.00		103	70-130			
Methylene Chloride	12	0.50	µg/L	10.00		116	70-130			
Naphthalene	9.4	1.0	µg/L	10.00		94.2	70-130			
n-Propylbenzene	9.8	0.50	µg/L	10.00		98.5	70-130			
Styrene	9.7	0.50	µg/L	10.00		97.2	70-130			
1,1,1,2-Tetrachloroethane	10	0.50	µg/L	10.00		103	70-130			
1,1,2,2-Tetrachloroethane	10	0.50	µg/L	10.00		105	70-130			
Tetrachloroethylene	10	0.50	µg/L	10.00		104	70-130			
Toluene	10	0.50	µg/L	10.00		101	70-130			
1,2,3-Trichlorobenzene	9.0	0.50	µg/L	10.00		89.5	70-130			
1,2,4-Trichlorobenzene	9.3	0.50	µg/L	10.00		92.7	70-130			
1,3,5-Trichlorobenzene	9.0	0.50	µg/L	10.00		89.8	70-130			
1,1,1-Trichloroethane	12	0.50	µg/L	10.00		116	70-130			
1,1,2-Trichloroethane	10	0.50	µg/L	10.00		101	70-130			
Trichloroethylene	11	0.50	µg/L	10.00		112	70-130			
Trichlorofluoromethane (Freon 11)	13	0.50	µg/L	10.00		129	70-130			
1,2,3-Trichloropropane	11	0.50	µg/L	10.00		112	70-130			
1,2,4-Trimethylbenzene	10	0.50	µg/L	10.00		99.7	70-130			
1,3,5-Trimethylbenzene	9.7	0.50	µg/L	10.00		97.1	70-130			
Vinyl Chloride	9.9	0.50	µg/L	10.00		99.3	70-130			
m&p-Xylene	20	1.0	µg/L	20.00		101	70-130			
o-Xylene	10	0.50	µg/L	10.00		103	70-130			
Surrogate: 4-Bromofluorobenzene	*25.6*		µg/L	25.00		102	80-120			
Surrogate: 1,2-Dichlorobenzene-d4	*25.2*		µg/L	25.00		101	80-120			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA 524.2 in Drinking Water	
Benzene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
Bromobenzene	CT,MA,NH,NY,RI,VT-DW,NJ
Bromochloromethane	CT,MA,NH,NY,RI,VT-DW,NJ
Bromodichloromethane	MA,NH,NY,RI,ME,VA,VT-DW,NJ
Bromoform	CT,MA,NH,NY,RI,ME,VT-DW,NJ
Bromomethane	CT,MA,NH,NY,RI,VT-DW,NJ
n-Butylbenzene	CT,MA,NH,NY,RI,VT-DW,NJ
sec-Butylbenzene	CT,MA,NH,NY,RI,VT-DW,NJ
tert-Butylbenzene	CT,MA,NH,NY,RI,VT-DW,NJ
Carbon Tetrachloride	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
Chlorobenzene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
Chloroethane	CT,MA,NH,NY,RI,VT-DW,NJ
Chloroform	MA,NH,NY,RI,ME,VA,VT-DW,NJ
Chloromethane	CT,MA,NH,NY,RI,VT-DW,NJ
2-Chlorotoluene	CT,MA,NH,NY,RI,VT-DW,NJ
4-Chlorotoluene	CT,MA,NH,NY,RI,VT-DW,NJ
Dibromochloromethane	MA,NH,NY,RI,ME,VA,VT-DW,NJ
Dibromomethane	CT,MA,NH,NY,RI,VT-DW,NJ
1,2-Dichlorobenzene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
1,3-Dichlorobenzene	CT,MA,NH,NY,RI,VT-DW,NJ
1,4-Dichlorobenzene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
Dichlorodifluoromethane (Freon 12)	CT,MA,NH,NY,RI,VT-DW,NJ
1,1-Dichloroethane	CT,MA,NH,NY,RI,VT-DW,NJ
1,2-Dichloroethane	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
1,1-Dichloroethylene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
cis-1,2-Dichloroethylene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
trans-1,2-Dichloroethylene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
1,2-Dichloropropane	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
1,3-Dichloropropane	CT,MA,NH,NY,RI,VT-DW,NJ
2,2-Dichloropropane	CT,MA,NH,NY,RI,VT-DW,NJ
1,1-Dichloropropene	CT,MA,NH,NY,RI,VT-DW,NJ
cis-1,3-Dichloropropene	CT,MA,NH,NY,RI,VT-DW,NJ
trans-1,3-Dichloropropene	CT,MA,NH,NY,RI,VT-DW,NJ
1,3-Dichloropropene (total)	CT,MA
Ethylbenzene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
Hexachlorobutadiene	CT,MA,NH,NY,RI,VT-DW,NJ
Isopropylbenzene (Cumene)	CT,MA,NH,NY,RI,VT-DW,NJ
p-Isopropyltoluene (p-Cymene)	CT,MA,NH,NY,RI,VT-DW,NJ
Methyl tert-Butyl Ether (MTBE)	CT,MA,NH,NY,RI,ME,VT-DW,NJ
Methylene Chloride	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
Naphthalene	NY,NJ
n-Propylbenzene	CT,MA,NH,NY,RI,VT-DW,NJ
Styrene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
1,1,1,2-Tetrachloroethane	CT,MA,NH,NY,RI,VT-DW,NJ
1,1,2,2-Tetrachloroethane	CT,MA,NH,NY,RI,VT-DW,NJ
Tetrachloroethylene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
Toluene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ

Pace Analytical Services, LLC - East Longmeadow, Ma

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA 524.2 in Drinking Water	
1,2,3-Trichlorobenzene	CT,MA,NH,NY,RI,VT-DW,NJ
1,2,4-Trichlorobenzene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
1,3,5-Trichlorobenzene	NJ
1,1,1-Trichloroethane	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
1,1,2-Trichloroethane	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
Trichloroethylene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
Trichlorofluoromethane (Freon 11)	CT,MA,NH,NY,RI,VT-DW,NJ
1,2,3-Trichloropropane	CT,MA,NH,NY,RI,VT-DW,NJ
1,2,4-Trimethylbenzene	CT,MA,NH,NY,RI,VT-DW,NJ
1,3,5-Trimethylbenzene	CT,MA,NH,NY,RI,VT-DW,NJ
Vinyl Chloride	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
m&p-Xylene	VA
o-Xylene	VA
Xylenes (total)	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ

Pace Analytical Services, LLC - East Longmeadow, Ma, operates under the following certifications and accreditations:

Code	Description	Number	Expires
MA	Massachusetts DEP	M-MA100	06/30/2025
CT	Connecticut Department of Public Health	PH-0821	12/31/2026
NY	New York State Department of Health	10899 NELAP	04/1/2025
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2026
RI	Rhode Island Department of Health	LAO00373	12/30/2025
NJ	New Jersey DEP	MA007 NELAP	06/30/2025
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2025
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2025

25C1027TLF

Pace Analytical

Phone: 413-525-2332
Fax: 413-525-6405
Access COC's and Support Requests

http://www.pacelabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 5_07/13/2021

Page 1 of 1

Company Name:	Atlas
Address:	51 Knight Lane Williston VT
Phone:	607 437 8293
Project Name:	Basin (-Morrissey
Project Location:	Basin VT
Project Number:	280EM01294
Project Manager:	Jo Palmer
Pace Quote Name/Number:	Atlas - PB
Invoice Recipient:	APVT@neatlas.com
Sampled By:	Jo Palmer

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

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

Data Delivery			
Format:	PDF ☒	EXCEL ☒	
Other:			
CLP Like Data Pkg Required:	☐		
Email To:	johanna.palmer@neatlas.com		
Fax To #:			

Dissolved Metals Samples	
○	Field Filtered
○	Lab to Filter

Orthophosphate Samples	
○	Field Filtered
○	Lab to Filter

PCB ONLY

SOXHLET ☐

NON SOXHLET ☐

ANALYSIS REQUESTED

524.2 Full VOC List

Pace Work Order#	Client Sample ID / Description	Date/Time	Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE
1	Effluent	3/17/25	0925	G	DW	L	3				
2	DUP		0001				3				
3	Mid		0930				3				
4	Influent		0932				3				
5	Well		0954				3				
6	TB		0800		TB		2				

[2] Preservation Code

Courier Use Only

Total Number Of:

VIALS_____
GLASS_____
PLASTIC_____
BACTERIA_____
ENCORE_____

Glassware in the fridge? Y / N

Glassware in freezer? Y / N

Prepackaged Cooler? Y / N

*Pace Analytical is not responsible for missing samples from prepacked coolers

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

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define) TB-Triplicate

Relinquished by: (signature)	Date/Time:	Received by: (signature)	Date/Time:
	3/18/25 0930		3/18 12:0[illegible]
	3/18 16:20		3/18 11:20

Client Comments:

Detection Limit Requirements	Special Requirements
MA	☐ MA MCP Required
	MCP Certification Form Required
	☐ CT RCP Required
CT	RCP Certification Form Required
	☐ MA State DW Required
Other:	PWSID #

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

NELAC and AIHA-LAP, LLC Accredited

Project Entity

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

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

Lab Comments:

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

Exhibit S

Table of Contents

Pace	DC#_Title: ENV-FRM-ELON-0001 v08_Sample Receiving Checklist
	Effective Date: 06/11/2024

Log In Back-Sheet

Login Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy) Any False statement will be brought to the attention of the Client – True or False

Client Atlas

Project Bristol-Morrissey

MCP/RCP Required

Deliverable Package Requirement

Location Bristol, CT

PWSID# (When Applicable)

Arrival Method:

Courier ☒ Fed Ex ☐ Walk In ☐ Other ☐

Received By / Date / Time SMW 3-18-25 1620

Back-Sheet By / Date / Time SMW 3-18-25 1644

Temperature Method Gun # 4

WV samples: Yes (see note*) / No (follow normal procedure)

Temp X < 6° C Actual Temperature 3.6

Rush Samples: Yes / No Notify

Short Hold: Yes / No Notify

	True	False
Received on Ice	☒	☐
Received in Cooler	☒	☐
Custody Seal: DATE TIME	☐	☒
COC Relinquished	☒	☐
COC/Samples Labels Agree	☒	☐
All Samples in Good Condition	☒	☐
Samples Received within Holding Time	☒	☐
Is there enough Volume	☒	☐
Proper Media/Container Used	☒	☐
Splitting Samples Required	☐	☒
MS/MSD	☐	☒
Trip Blanks	☒	☐
Lab to Filters	☐	☒
COC Legible	☒	☐

COC Included: (Check all included)

Client ☒ Analysis ☒ Sampler Name ☒

Project ☒ IDs ☐ Collection Date/Time ☒

All Samples Proper pH: N/A ☒ ☐

Notes regarding Samples/COC outside of SOP:

Additional Container Notes

Note: West Virginia requires all samples to have their temperature taken. Note any outliers.

Exhibit S

Qualtrax ID: 120836

Sample	Soils Jars (Circle Amb/Clear)				Ambers						Plastics										VOA Vials				Other / Fill in					
	16oz Amb/Clear	8oz Amb/Clear	4oz Amb/Clear	2oz Amb/Clear	1 Liter			250mL		100mL	1 Liter		500mL		250mL															
					Unpreserved	HCL	Sulfuric	Sulfuric	Phosphoric	HCl	Unpreserved	Unpreserved	Sulfuric	Unpreserved	Sulfuric	Trizma	Unpreserved	Sulfuric	Nitric	NaOH	Ammonium Acetate	NaOH/Zinc	Unpreserved	HCl	MeOH	D.I. Water	Bisulfate	Col/Bact			
1																								3						
2																								3						
3																								3						
4																								3						
5																								3						
6																								2						
7																														
8																														
9																														
10																														
11																														
12																														
13																														
14																														
15																														
16																														
17																														
18																														
19																														
20																														

Pace Analytical Services	DC#_Title: ENV-FRM-ELON-0001 v08_Sample Receiving Checklist
	Effective Date: 06/11/2024

Exhibit S

Pace Analytical Services, LLC - East Longmeadow, Ma

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

April 15, 2025

Jo Palmer
Atlas Technical Consultants - Vermont
51 Knight Lane, PO Box 1486
Williston, VT 05495

Project Location: 1006 Jerusalem Rd., Bristol, VT
Client Job Number:
Project Number: 280EM01394
Laboratory Work Order Number: 25D0884

Enclosed are results of analyses for samples as received by the laboratory on April 12, 2025. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Rebecca Faust
Project Manager

Exhibit S

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B402922 16

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Pace Analytical Services, LLC - East Longmeadow, Ma

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

Atlas Technical Consultants - Vermont
51 Knight Lane, PO Box 1486
Williston, VT 05495
ATTN: Jo Palmer

REPORT DATE: 4/15/2025

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 280EM01394

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 25D0884

The results of analyses performed on the following samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, are found in this report.

PROJECT LOCATION: 1006 Jerusalem Rd., Bristol, VT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Effluent	25D0884-01	Drinking Water		EPA 524.2	
Mid	25D0884-02	Drinking Water		EPA 524.2	
Influent	25D0884-03	Drinking Water		EPA 524.2	
Duplicate	25D0884-04	Drinking Water		EPA 524.2	
Trip Blank	25D0884-05	Trip Blank Water		EPA 524.2	

Exhibit S

Pace Analytical Services, LLC - East Longmeadow, Ma

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CASE NARRATIVE SUMMARY

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

EPA 524.2

Qualifications:

L-01

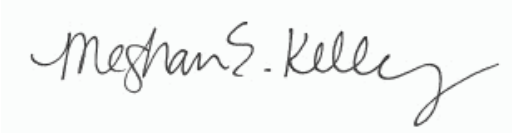
Laboratory fortified blank/laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Analyte & Samples(s) Qualified:

Dichlorodifluoromethane (Freon 12)
B402922-BS1

Trichlorofluoromethane (Freon 11)
B402922-BS1

The results of analyses reported only relate to samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Meghan E. Kelley
Reporting Specialist

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: 1006 Jerusalem Rd., Bristol, VT Sample Description: Work Order: 25D0884

Date Received: 4/12/2025

Field Sample #: Effluent Sampled: 4/11/2025 09:20

Sample ID: 25D0884-01

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	5	µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
Bromobenzene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
Bromochloromethane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
Bromodichloromethane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
Bromoform	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
Bromomethane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
n-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
sec-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
tert-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
Carbon Tetrachloride	ND	0.50	5	µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
Chlorobenzene	ND	0.50	100	µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
Chloroethane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
Chloroform	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
Chloromethane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
2-Chlorotoluene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
4-Chlorotoluene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
Dibromochloromethane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
Dibromomethane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
1,2-Dichlorobenzene	ND	0.50	600	µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
1,3-Dichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
1,4-Dichlorobenzene	ND	0.50	75	µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
1,1-Dichloroethane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
1,2-Dichloroethane	ND	0.50	5	µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
1,1-Dichloroethylene	ND	0.50	7	µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
cis-1,2-Dichloroethylene	ND	0.50	70	µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
trans-1,2-Dichloroethylene	ND	0.50	100	µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
1,2-Dichloropropane	ND	0.50	5	µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
1,3-Dichloropropane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
2,2-Dichloropropane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
1,1-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
cis-1,3-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
trans-1,3-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
1,3-Dichloropropene (total)	ND	1.0		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
Ethylbenzene	ND	0.50	700	µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
Hexachlorobutadiene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
Isopropylbenzene (Cumene)	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
Methylene Chloride	ND	0.50	5	µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
Naphthalene	ND	1.0		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
n-Propylbenzene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
Styrene	ND	0.50	100	µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
1,1,1,2-Tetrachloroethane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: 1006 Jerusalem Rd., Bristol, VT Sample Description: Work Order: 25D0884

Date Received: 4/12/2025

Field Sample #: Effluent Sampled: 4/11/2025 09:20

Sample ID: 25D0884-01

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
Tetrachloroethylene	ND	0.50	5	µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
Toluene	ND	0.50	1000	µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
1,2,3-Trichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
1,2,4-Trichlorobenzene	ND	0.50	70	µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
1,3,5-Trichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
1,1,1-Trichloroethane	ND	0.50	200	µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
1,1,2-Trichloroethane	ND	0.50	5	µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
Trichloroethylene	ND	0.50	5	µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
1,2,3-Trichloropropane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
1,2,4-Trimethylbenzene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
1,3,5-Trimethylbenzene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
Vinyl Chloride	ND	0.50	2	µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
m&p-Xylene	ND	1.0		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
o-Xylene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH
Xylenes (total)	ND	1.5	10000	µg/L	1		EPA 524.2	4/14/25	4/15/25 2:19	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
4-Bromofluorobenzene	109	80-120		4/15/25 2:19
1,2-Dichlorobenzene-d4	106	80-120		4/15/25 2:19

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Project Location: 1006 Jerusalem Rd., Bristol, VT Sample Description: Work Order: 25D0884

Date Received: 4/12/2025

Field Sample #: Mid Sampled: 4/11/2025 09:23

Sample ID: 25D0884-02

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	5	µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
Bromobenzene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
Bromochloromethane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
Bromodichloromethane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
Bromoform	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
Bromomethane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
n-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
sec-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
tert-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
Carbon Tetrachloride	ND	0.50	5	µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
Chlorobenzene	ND	0.50	100	µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
Chloroethane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
Chloroform	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
Chloromethane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
2-Chlorotoluene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
4-Chlorotoluene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
Dibromochloromethane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
Dibromomethane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
1,2-Dichlorobenzene	ND	0.50	600	µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
1,3-Dichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
1,4-Dichlorobenzene	ND	0.50	75	µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
1,1-Dichloroethane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
1,2-Dichloroethane	ND	0.50	5	µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
1,1-Dichloroethylene	ND	0.50	7	µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
cis-1,2-Dichloroethylene	ND	0.50	70	µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
trans-1,2-Dichloroethylene	ND	0.50	100	µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
1,2-Dichloropropane	ND	0.50	5	µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
1,3-Dichloropropane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
2,2-Dichloropropane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
1,1-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
cis-1,3-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
trans-1,3-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
1,3-Dichloropropene (total)	ND	1.0		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
Ethylbenzene	ND	0.50	700	µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
Hexachlorobutadiene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
Isopropylbenzene (Cumene)	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
Methylene Chloride	ND	0.50	5	µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
Naphthalene	ND	1.0		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
n-Propylbenzene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
Styrene	ND	0.50	100	µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
1,1,1,2-Tetrachloroethane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: 1006 Jerusalem Rd., Bristol, VT Sample Description: Work Order: 25D0884

Date Received: 4/12/2025

Field Sample #: Mid Sampled: 4/11/2025 09:23

Sample ID: 25D0884-02

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
Tetrachloroethylene	ND	0.50	5	µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
Toluene	ND	0.50	1000	µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
1,2,3-Trichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
1,2,4-Trichlorobenzene	ND	0.50	70	µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
1,3,5-Trichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
1,1,1-Trichloroethane	ND	0.50	200	µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
1,1,2-Trichloroethane	ND	0.50	5	µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
Trichloroethylene	ND	0.50	5	µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
1,2,3-Trichloropropane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
1,2,4-Trimethylbenzene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
1,3,5-Trimethylbenzene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
Vinyl Chloride	ND	0.50	2	µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
m&p-Xylene	ND	1.0		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
o-Xylene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH
Xylenes (total)	ND	1.5	10000	µg/L	1		EPA 524.2	4/14/25	4/15/25 2:44	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
4-Bromofluorobenzene	111	80-120		4/15/25 2:44
1,2-Dichlorobenzene-d4	106	80-120		4/15/25 2:44

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: 1006 Jerusalem Rd., Bristol, VT Sample Description: Work Order: 25D0884

Date Received: 4/12/2025

Field Sample #: Influent Sampled: 4/11/2025 09:26

Sample ID: 25D0884-03

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	5	µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
Bromobenzene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
Bromochloromethane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
Bromodichloromethane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
Bromoform	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
Bromomethane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
n-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
sec-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
tert-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
Carbon Tetrachloride	ND	0.50	5	µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
Chlorobenzene	ND	0.50	100	µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
Chloroethane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
Chloroform	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
Chloromethane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
2-Chlorotoluene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
4-Chlorotoluene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
Dibromochloromethane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
Dibromomethane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
1,2-Dichlorobenzene	ND	0.50	600	µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
1,3-Dichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
1,4-Dichlorobenzene	ND	0.50	75	µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
1,1-Dichloroethane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
1,2-Dichloroethane	ND	0.50	5	µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
1,1-Dichloroethylene	ND	0.50	7	µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
cis-1,2-Dichloroethylene	ND	0.50	70	µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
trans-1,2-Dichloroethylene	ND	0.50	100	µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
1,2-Dichloropropane	ND	0.50	5	µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
1,3-Dichloropropane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
2,2-Dichloropropane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
1,1-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
cis-1,3-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
trans-1,3-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
1,3-Dichloropropene (total)	ND	1.0		µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
Ethylbenzene	ND	0.50	700	µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
Hexachlorobutadiene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
Isopropylbenzene (Cumene)	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
Methylene Chloride	ND	0.50	5	µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
Naphthalene	ND	1.0		µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
n-Propylbenzene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
Styrene	ND	0.50	100	µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
1,1,1,2-Tetrachloroethane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: 1006 Jerusalem Rd., Bristol, VT Sample Description: Work Order: 25D0884

Date Received: 4/12/2025

Field Sample #: Influent Sampled: 4/11/2025 09:26

Sample ID: 25D0884-03

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
Tetrachloroethylene	ND	0.50	5	µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
Toluene	ND	0.50	1000	µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
1,2,3-Trichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
1,2,4-Trichlorobenzene	ND	0.50	70	µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
1,3,5-Trichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
1,1,1-Trichloroethane	ND	0.50	200	µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
1,1,2-Trichloroethane	ND	0.50	5	µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
Trichloroethylene	ND	0.50	5	µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
1,2,3-Trichloropropane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
1,2,4-Trimethylbenzene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
1,3,5-Trimethylbenzene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
Vinyl Chloride	ND	0.50	2	µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
m&p-Xylene	ND	1.0		µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
o-Xylene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH
Xylenes (total)	ND	1.5	10000	µg/L	1		EPA 524.2	4/14/25	4/15/25 6:08	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
4-Bromofluorobenzene	108	80-120		4/15/25 6:08
1,2-Dichlorobenzene-d4	106	80-120		4/15/25 6:08

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: 1006 Jerusalem Rd., Bristol, VT Sample Description: Work Order: 25D0884

Date Received: 4/12/2025

Field Sample #: Duplicate Sampled: 4/11/2025 00:01

Sample ID: 25D0884-04

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	5	µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
Bromobenzene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
Bromochloromethane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
Bromodichloromethane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
Bromoform	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
Bromomethane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
n-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
sec-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
tert-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
Carbon Tetrachloride	ND	0.50	5	µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
Chlorobenzene	ND	0.50	100	µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
Chloroethane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
Chloroform	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
Chloromethane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
2-Chlorotoluene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
4-Chlorotoluene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
Dibromochloromethane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
Dibromomethane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
1,2-Dichlorobenzene	ND	0.50	600	µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
1,3-Dichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
1,4-Dichlorobenzene	ND	0.50	75	µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
1,1-Dichloroethane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
1,2-Dichloroethane	ND	0.50	5	µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
1,1-Dichloroethylene	ND	0.50	7	µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
cis-1,2-Dichloroethylene	ND	0.50	70	µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
trans-1,2-Dichloroethylene	ND	0.50	100	µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
1,2-Dichloropropane	ND	0.50	5	µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
1,3-Dichloropropane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
2,2-Dichloropropane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
1,1-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
cis-1,3-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
trans-1,3-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
1,3-Dichloropropene (total)	ND	1.0		µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
Ethylbenzene	ND	0.50	700	µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
Hexachlorobutadiene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
Isopropylbenzene (Cumene)	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
Methylene Chloride	ND	0.50	5	µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
Naphthalene	ND	1.0		µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
n-Propylbenzene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
Styrene	ND	0.50	100	µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
1,1,1,2-Tetrachloroethane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: 1006 Jerusalem Rd., Bristol, VT Sample Description: Work Order: 25D0884

Date Received: 4/12/2025

Field Sample #: Duplicate Sampled: 4/11/2025 00:01

Sample ID: 25D0884-04

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
Tetrachloroethylene	ND	0.50	5	µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
Toluene	ND	0.50	1000	µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
1,2,3-Trichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
1,2,4-Trichlorobenzene	ND	0.50	70	µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
1,3,5-Trichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
1,1,1-Trichloroethane	ND	0.50	200	µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
1,1,2-Trichloroethane	ND	0.50	5	µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
Trichloroethylene	ND	0.50	5	µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
1,2,3-Trichloropropane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
1,2,4-Trimethylbenzene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
1,3,5-Trimethylbenzene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
Vinyl Chloride	ND	0.50	2	µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
m&p-Xylene	ND	1.0		µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
o-Xylene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH
Xylenes (total)	ND	1.5	10000	µg/L	1		EPA 524.2	4/14/25	4/15/25 5:43	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
4-Bromofluorobenzene	117	80-120		4/15/25 5:43
1,2-Dichlorobenzene-d4	109	80-120		4/15/25 5:43

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: 1006 Jerusalem Rd., Bristol, VT Sample Description: Work Order: 25D0884

Date Received: 4/12/2025

Field Sample #: Trip Blank Sampled: 4/11/2025 08:15

Sample ID: 25D0884-05

Sample Matrix: Trip Blank Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	5	µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
Bromobenzene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
Bromochloromethane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
Bromodichloromethane	5.0	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
Bromoform	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
Bromomethane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
n-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
sec-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
tert-Butylbenzene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
Carbon Tetrachloride	ND	0.50	5	µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
Chlorobenzene	ND	0.50	100	µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
Chloroethane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
Chloroform	33	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
Chloromethane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
2-Chlorotoluene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
4-Chlorotoluene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
Dibromochloromethane	0.24	0.50		µg/L	1	J	EPA 524.2	4/14/25	4/15/25 0:12	EEH
Dibromomethane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
1,2-Dichlorobenzene	ND	0.50	600	µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
1,3-Dichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
1,4-Dichlorobenzene	ND	0.50	75	µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
1,1-Dichloroethane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
1,2-Dichloroethane	ND	0.50	5	µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
1,1-Dichloroethylene	ND	0.50	7	µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
cis-1,2-Dichloroethylene	ND	0.50	70	µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
trans-1,2-Dichloroethylene	ND	0.50	100	µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
1,2-Dichloropropane	ND	0.50	5	µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
1,3-Dichloropropane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
2,2-Dichloropropane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
1,1-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
cis-1,3-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
trans-1,3-Dichloropropene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
1,3-Dichloropropene (total)	ND	1.0		µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
Ethylbenzene	ND	0.50	700	µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
Hexachlorobutadiene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
Isopropylbenzene (Cumene)	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
Methylene Chloride	ND	0.50	5	µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
Naphthalene	ND	1.0		µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
n-Propylbenzene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
Styrene	ND	0.50	100	µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
1,1,1,2-Tetrachloroethane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: 1006 Jerusalem Rd., Bristol, VT Sample Description: Work Order: 25D0884

Date Received: 4/12/2025

Field Sample #: Trip Blank Sampled: 4/11/2025 08:15

Sample ID: 25D0884-05

Sample Matrix: Trip Blank Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
Tetrachloroethylene	ND	0.50	5	µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
Toluene	ND	0.50	1000	µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
1,2,3-Trichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
1,2,4-Trichlorobenzene	ND	0.50	70	µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
1,3,5-Trichlorobenzene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
1,1,1-Trichloroethane	ND	0.50	200	µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
1,1,2-Trichloroethane	ND	0.50	5	µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
Trichloroethylene	ND	0.50	5	µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
1,2,3-Trichloropropane	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
1,2,4-Trimethylbenzene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
1,3,5-Trimethylbenzene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
Vinyl Chloride	ND	0.50	2	µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
m&p-Xylene	ND	1.0		µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
o-Xylene	ND	0.50		µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH
Xylenes (total)	ND	1.5	10000	µg/L	1		EPA 524.2	4/14/25	4/15/25 0:12	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
4-Bromofluorobenzene	108	80-120		4/15/25 0:12
1,2-Dichlorobenzene-d4	103	80-120		4/15/25 0:12

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Sample Extraction Data

Prep Method:EPA 524.2 **Analytical Method:EPA 524.2**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25D0884-01 [Effluent]	B402922	5	5.00	04/14/25
25D0884-02 [Mid]	B402922	5	5.00	04/14/25
25D0884-03 [Influent]	B402922	5	5.00	04/14/25
25D0884-04 [Duplicate]	B402922	5	5.00	04/14/25
25D0884-05 [Trip Blank]	B402922	5	5.00	04/14/25

Pace Analytical Services, LLC - East Longmeadow, Ma

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QUALITY CONTROL

Drinking Water Organics EPA 500 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B402922 - EPA 524.2										
Blank (B402922-BLK1)				Prepared & Analyzed: 04/14/25						
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromochloromethane	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	0.50	µg/L							
Bromomethane	ND	0.50	µg/L							
n-Butylbenzene	ND	0.50	µg/L							
sec-Butylbenzene	ND	0.50	µg/L							
tert-Butylbenzene	ND	0.50	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	0.50	µg/L							
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
Dibromochloromethane	ND	0.50	µg/L							
Dibromomethane	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	0.50	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	0.50	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	0.50	µg/L							
Naphthalene	ND	1.0	µg/L							
n-Propylbenzene	ND	0.50	µg/L							
Styrene	ND	0.50	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	0.50	µg/L							
Toluene	ND	0.50	µg/L							
1,2,3-Trichlorobenzene	ND	0.50	µg/L							
1,2,4-Trichlorobenzene	ND	0.50	µg/L							
1,3,5-Trichlorobenzene	ND	0.50	µg/L							
1,1,1-Trichloroethane	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							
Trichloroethylene	ND	0.50	µg/L							

Pace Analytical Services, LLC - East Longmeadow, Ma

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QUALITY CONTROL

Drinking Water Organics EPA 500 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B402922 - EPA 524.2										
Blank (B402922-BLK1)				Prepared & Analyzed: 04/14/25						
Trichlorofluoromethane (Freon 11)	ND	0.50	µg/L							
1,2,3-Trichloropropane	ND	0.50	µg/L							
1,2,4-Trimethylbenzene	ND	0.50	µg/L							
1,3,5-Trimethylbenzene	ND	0.50	µg/L							
Vinyl Chloride	ND	0.50	µg/L							
m&p-Xylene	ND	1.0	µg/L							
o-Xylene	ND	0.50	µg/L							
Surrogate: 4-Bromofluorobenzene	*27.6*		µg/L	25.00		110	80-120			
Surrogate: 1,2-Dichlorobenzene-d4	*26.0*		µg/L	25.00		104	80-120			
LCS (B402922-BS1)				Prepared & Analyzed: 04/14/25						
Benzene	10	0.50	µg/L	10.00		101	70-130			
Bromobenzene	10	0.50	µg/L	10.00		105	70-130			
Bromochloromethane	9.4	0.50	µg/L	10.00		94.5	70-130			
Bromodichloromethane	11	0.50	µg/L	10.00		109	70-130			
Bromoform	11	0.50	µg/L	10.00		112	70-130			
Bromomethane	11	0.50	µg/L	10.00		108	70-130			
n-Butylbenzene	9.6	0.50	µg/L	10.00		96.1	70-130			
sec-Butylbenzene	9.2	0.50	µg/L	10.00		92.1	70-130			
tert-Butylbenzene	9.1	0.50	µg/L	10.00		91.3	70-130			
Carbon Tetrachloride	12	0.50	µg/L	10.00		121	70-130			
Chlorobenzene	9.9	0.50	µg/L	10.00		99.4	70-130			
Chloroethane	8.0	0.50	µg/L	10.00		80.3	70-130			
Chloroform	11	0.50	µg/L	10.00		108	70-130			
Chloromethane	9.0	0.50	µg/L	10.00		89.8	70-130			
2-Chlorotoluene	10	0.50	µg/L	10.00		103	70-130			
4-Chlorotoluene	10	0.50	µg/L	10.00		102	70-130			
Dibromochloromethane	10	0.50	µg/L	10.00		103	70-130			
Dibromomethane	11	0.50	µg/L	10.00		114	70-130			
1,2-Dichlorobenzene	10	0.50	µg/L	10.00		99.8	70-130			
1,3-Dichlorobenzene	9.7	0.50	µg/L	10.00		96.7	70-130			
1,4-Dichlorobenzene	9.8	0.50	µg/L	10.00		97.5	70-130			
Dichlorodifluoromethane (Freon 12)	13	0.50	µg/L	10.00		130	70-130			L-01
1,1-Dichloroethane	10	0.50	µg/L	10.00		99.9	70-130			
1,2-Dichloroethane	11	0.50	µg/L	10.00		113	70-130			
1,1-Dichloroethylene	10	0.50	µg/L	10.00		104	70-130			
cis-1,2-Dichloroethylene	9.9	0.50	µg/L	10.00		99.0	70-130			
trans-1,2-Dichloroethylene	9.8	0.50	µg/L	10.00		98.3	70-130			
1,2-Dichloropropane	9.0	0.50	µg/L	10.00		89.9	70-130			
1,3-Dichloropropane	11	0.50	µg/L	10.00		112	70-130			
2,2-Dichloropropane	9.7	0.50	µg/L	10.00		97.1	70-130			
1,1-Dichloropropene	12	0.50	µg/L	10.00		121	70-130			
cis-1,3-Dichloropropene	10	0.50	µg/L	10.00		103	70-130			
trans-1,3-Dichloropropene	11	0.50	µg/L	10.00		108	70-130			
Ethylbenzene	11	0.50	µg/L	10.00		107	70-130			
Hexachlorobutadiene	11	0.50	µg/L	10.00		110	70-130			
Isopropylbenzene (Cumene)	10	0.50	µg/L	10.00		101	70-130			
p-Isopropyltoluene (p-Cymene)	8.6	0.50	µg/L	10.00		85.5	70-130			
Methyl tert-Butyl Ether (MTBE)	11	0.50	µg/L	10.00		114	70-130			
Methylene Chloride	9.1	0.50	µg/L	10.00		91.2	70-130			
Naphthalene	9.3	1.0	µg/L	10.00		92.6	70-130			
n-Propylbenzene	10	0.50	µg/L	10.00		101	70-130			

Pace Analytical Services, LLC - East Longmeadow, Ma

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QUALITY CONTROL

Drinking Water Organics EPA 500 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B402922 - EPA 524.2											
LCS (B402922-BS1)				Prepared & Analyzed: 04/14/25							
Styrene	9.5	0.50	µg/L	10.00		94.9		70-130			
1,1,1,2-Tetrachloroethane	10	0.50	µg/L	10.00		101		70-130			
1,1,2,2-Tetrachloroethane	11	0.50	µg/L	10.00		108		70-130			
Tetrachloroethylene	11	0.50	µg/L	10.00		107		70-130			
Toluene	10	0.50	µg/L	10.00		101		70-130			
1,2,3-Trichlorobenzene	9.1	0.50	µg/L	10.00		91.4		70-130			
1,2,4-Trichlorobenzene	9.5	0.50	µg/L	10.00		95.1		70-130			
1,3,5-Trichlorobenzene	9.1	0.50	µg/L	10.00		91.4		70-130			
1,1,1-Trichloroethane	12	0.50	µg/L	10.00		119		70-130			
1,1,2-Trichloroethane	10	0.50	µg/L	10.00		102		70-130			
Trichloroethylene	11	0.50	µg/L	10.00		108		70-130			
Trichlorofluoromethane (Freon 11)	13	0.50	µg/L	10.00		**134**	*	70-130			L-01
1,2,3-Trichloropropane	12	0.50	µg/L	10.00		121		70-130			
1,2,4-Trimethylbenzene	10	0.50	µg/L	10.00		101		70-130			
1,3,5-Trimethylbenzene	10	0.50	µg/L	10.00		99.7		70-130			
Vinyl Chloride	11	0.50	µg/L	10.00		106		70-130			
m&p-Xylene	21	1.0	µg/L	20.00		106		70-130			
o-Xylene	11	0.50	µg/L	10.00		108		70-130			
Surrogate: 4-Bromofluorobenzene	*27.3*		µg/L	25.00		109		80-120			
Surrogate: 1,2-Dichlorobenzene-d4	*26.1*		µg/L	25.00		104		80-120			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-01	Laboratory fortified blank/laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Pace Analytical Services, LLC - East Longmeadow, Ma

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA 524.2 in Drinking Water	
Benzene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
Bromobenzene	CT,MA,NH,NY,RI,VT-DW,NJ
Bromochloromethane	CT,MA,NH,NY,RI,VT-DW,NJ
Bromodichloromethane	MA,NH,NY,RI,ME,VA,VT-DW,NJ
Bromoform	CT,MA,NH,NY,RI,ME,VT-DW,NJ
Bromomethane	CT,MA,NH,NY,RI,VT-DW,NJ
n-Butylbenzene	CT,MA,NH,NY,RI,VT-DW,NJ
sec-Butylbenzene	CT,MA,NH,NY,RI,VT-DW,NJ
tert-Butylbenzene	CT,MA,NH,NY,RI,VT-DW,NJ
Carbon Tetrachloride	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
Chlorobenzene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
Chloroethane	CT,MA,NH,NY,RI,VT-DW,NJ
Chloroform	MA,NH,NY,RI,ME,VA,VT-DW,NJ
Chloromethane	CT,MA,NH,NY,RI,VT-DW,NJ
2-Chlorotoluene	CT,MA,NH,NY,RI,VT-DW,NJ
4-Chlorotoluene	CT,MA,NH,NY,RI,VT-DW,NJ
Dibromochloromethane	MA,NH,NY,RI,ME,VA,VT-DW,NJ
Dibromomethane	CT,MA,NH,NY,RI,VT-DW,NJ
1,2-Dichlorobenzene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
1,3-Dichlorobenzene	CT,MA,NH,NY,RI,VT-DW,NJ
1,4-Dichlorobenzene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
Dichlorodifluoromethane (Freon 12)	CT,MA,NH,NY,RI,VT-DW,NJ
1,1-Dichloroethane	CT,MA,NH,NY,RI,VT-DW,NJ
1,2-Dichloroethane	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
1,1-Dichloroethylene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
cis-1,2-Dichloroethylene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
trans-1,2-Dichloroethylene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
1,2-Dichloropropane	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
1,3-Dichloropropane	CT,MA,NH,NY,RI,VT-DW,NJ
2,2-Dichloropropane	CT,MA,NH,NY,RI,VT-DW,NJ
1,1-Dichloropropene	CT,MA,NH,NY,RI,VT-DW,NJ
cis-1,3-Dichloropropene	CT,MA,NH,NY,RI,VT-DW,NJ
trans-1,3-Dichloropropene	CT,MA,NH,NY,RI,VT-DW,NJ
1,3-Dichloropropene (total)	CT,MA
Ethylbenzene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
Hexachlorobutadiene	CT,MA,NH,NY,RI,VT-DW,NJ
Isopropylbenzene (Cumene)	CT,MA,NH,NY,RI,VT-DW,NJ
p-Isopropyltoluene (p-Cymene)	CT,MA,NH,NY,RI,VT-DW,NJ
Methyl tert-Butyl Ether (MTBE)	CT,MA,NH,NY,RI,ME,VT-DW,NJ
Methylene Chloride	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
Naphthalene	NY,NJ
n-Propylbenzene	CT,MA,NH,NY,RI,VT-DW,NJ
Styrene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
1,1,1,2-Tetrachloroethane	CT,MA,NH,NY,RI,VT-DW,NJ
1,1,2,2-Tetrachloroethane	CT,MA,NH,NY,RI,VT-DW,NJ
Tetrachloroethylene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
Toluene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ

Pace Analytical Services, LLC - East Longmeadow, Ma

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA 524.2 in Drinking Water	
1,2,3-Trichlorobenzene	CT,MA,NH,NY,RI,VT-DW,NJ
1,2,4-Trichlorobenzene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
1,3,5-Trichlorobenzene	NJ
1,1,1-Trichloroethane	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
1,1,2-Trichloroethane	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
Trichloroethylene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
Trichlorofluoromethane (Freon 11)	CT,MA,NH,NY,RI,VT-DW,NJ
1,2,3-Trichloropropane	CT,MA,NH,NY,RI,VT-DW,NJ
1,2,4-Trimethylbenzene	CT,MA,NH,NY,RI,VT-DW,NJ
1,3,5-Trimethylbenzene	CT,MA,NH,NY,RI,VT-DW,NJ
Vinyl Chloride	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ
m&p-Xylene	NH,VA
o-Xylene	NH,VA
Xylenes (total)	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ

Pace Analytical Services, LLC - East Longmeadow, Ma, operates under the following certifications and accreditations:

Code	Description	Number	Expires
MA	Massachusetts DEP	M-MA100	06/30/2025
CT	Connecticut Department of Public Health	PH-0821	12/31/2026
NY	New York State Department of Health	10899 NELAP	04/1/2026
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2026
RI	Rhode Island Department of Health	LAO00373	12/30/2025
NJ	New Jersey DEP	MA007 NELAP	06/30/2025
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2025
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2025

25D0884

Pace Analytical

Phone: 413-525-2332
Fax: 413-525-6405
Access COC's and Support Requests

http://www.pacelabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 5_07/13/2021

Page 1 of 1

Company Name:	Atlas Technical Consultants
Address:	51 Knight Ln, Williston, VT 05495
Phone:	(802)熊2-1900
Project Name:	Morrissey Residence
Project Location:	1006 Jerusalem Rd., Bristol, VT
Project Number:	290EM01394
Project Manager:	Johanna Palmer
Pace Quote Name/Number:	
Invoice Recipient:	APVT@oneatlas.com
Sampled By:	Dom Delello

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

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

Data Delivery
Format: PDF [X] EXCEL [X]
Other:
CLP Like Data Pkg Required: [ ]
Email To:
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET [ ]
NON SOXHLET [ ]

ANALYSIS REQUESTED

Pace Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	#	524.2 Full List VOCs	[2] Preservation Code
1	Effluent	4/11/25	09:20	G	DW	U	3						X	
2	Mid		09:23										X	
3	Influent		09:26										X	
4	Duplicate		00:01										X	
5	Trip Blank		08:15				2						X	

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

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

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

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Relinquished by: (signature)		Date/Time: 4/11/25 10:45
Received by: (signature)		Date/Time: 4/11/25 1155
Relinquished by: (signature)		Date/Time: 4/11/25 1710
Received by: (signature)		Date/Time: 4/11/25 1710
Relinquished by: (signature)		Date/Time:
Received by: (signature)		Date/Time:
Relinquished by: (signature)		Date/Time:
Received by: (signature)		Date/Time:

Client Comments:

Detection Limit Requirements
MA
CT
Other:

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

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

NELAC and AIHA-LAP, LLC Accredited

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

Other
[ ] Chromatogram
[ ] AIHA-LAP,LLC

Lab Comments:

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

Exhibit S

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Exhibit S

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0001 v08_Sample Receiving Checklist
	Effective Date: 06/11/2024

Log In Back-Sheet

Login Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy) Any False statement will be brought to the attention of the Client – True or False

Client Atlas

Project Morrissey Residence

MCP/RCP Required _____

Deliverable Package Requirement _____

Location 1006 Jerusalem Rd. Bristol, VT.

PWSID# (When Applicable) _____

Arrival Method:

Courier ☒ Fed Ex ☐ Walk In ☐ Other ☐ _____

Received By / Date / Time SMW 4-11-25 1710

Back-Sheet By / Date / Time SMW 4-12-25 0835

Temperature Method gun # 6

WV samples: Yes (see note*) / No (follow normal procedure)

Temp X ≤ 6° C Actual Temperature 4.0

Rush Samples: Yes / No Notify _____

Short Hold: Yes / No Notify _____

	True	False
Received on Ice	☒	☐
Received in Cooler	☒	☐
Custody Seal: DATE TIME	☐	☒
COC Relinquished	☒	☐
COC/Samples Labels Agree	☒	☐
All Samples in Good Condition	☒	☐
Samples Received within Holding Time	☒	☐
Is there enough Volume	☒	☐
Proper Media/Container Used	☒	☐
Splitting Samples Required	☐	☒
MS/MSD	☐	☒
Trip Blanks	☒	☐
Lab to Filters	☐	☒
COC Legible	☒	☐

COC Included: (Check all included)

Client ☒ Analysis ☒ Sampler Name ☒

Project ☒ IDs ☒ Collection Date/Time ☒

All Samples Proper pH: N/A ☒ ☐

Notes regarding Samples/COC outside of SOP:

Additional Container Notes

Note: West Virginia requires all samples to have their temperature taken. Note any outliers.

Exhibit S

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0001 v08_Sample Receiving Checklist
	Effective Date: 06/11/2024

Sample			20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
16oz Amb/Clear	(Circle Amb/Clear)	Soils Jars																				
8oz Amb/Clear																						
4oz Amb/Clear																						
2oz Amb/Clear																						
Unpreserved	1 Liter	Ambers																				
HCL																						
Sulfuric																						
Sulfuric	250mL																					
Phosphoric																						
HCl																						
Unpreserved	100mL																					
Unpreserved	1 Liter	Plastics																				
Sulfuric																						
Unpreserved	500mL																					
Sulfuric																						
Unpreserved	250mL																					
Trizma																						
Sulfuric																						
Nitric																						
NaOH																						
Ammonium Acetate																						
NaOH/Zinc																						
Unpreserved		VOA Vials																				
HCl																		2	3	3	3	3
MeOH																						
D.I. Water																						
BiSulfate																						
Col/Bact		Other / Fill in																				

Qualtrax ID: 120836

Page 2 of 2

Pace Analytical Services, LLC - East Longmeadow, Ma

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

September 5, 2025

Jo Palmer
Atlas Technical Consultants - Vermont
51 Knight Lane, PO Box 1486
Williston, VT 05495

Project Location: Bristol, VT
Client Job Number:
Project Number: 280EM01394
Laboratory Work Order Number: 25E1182

Enclosed are results of analyses for samples as received by the laboratory on May 14, 2025. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Rebecca Faust
Project Manager

Exhibit S

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Pace Analytical Services, LLC - East Longmeadow, Ma

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

Atlas Technical Consultants - Vermont
51 Knight Lane, PO Box 1486
Williston, VT 05495
ATTN: Jo Palmer

REPORT DATE: 9/5/2025

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 280EM01394

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 25E1182

The results of analyses performed on the following samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, are found in this report.

PROJECT LOCATION: Bristol, VT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Effluent	25E1182-01	Drinking Water		EPA 524.2	
Mid	25E1182-02	Drinking Water		EPA 524.2	
Influent	25E1182-03	Drinking Water		EPA 524.2	
DUP	25E1182-04	Drinking Water		EPA 524.2	
TB	25E1182-05	Trip Blank Water		EPA 524.2	

Pace Analytical Services, LLC - East Longmeadow, Ma

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

CASE NARRATIVE SUMMARY

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

REVISED REPORT 9/5/25: Sample dates updated.

The results of analyses reported only relate to samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Rebecca Faust
Project Manager 1

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25E1182

Date Received: 5/14/2025

Field Sample #: Effluent | Sampled: 5/6/2025 09:15

Sample ID: 25E1182-01

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.21	5	µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
Bromobenzene	ND	0.50	0.16		µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
Bromochloromethane	ND	0.50	0.17		µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
Bromodichloromethane	ND	0.50	0.14		µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
Bromoform	ND	0.50	0.19		µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
Bromomethane	ND	0.50	0.24		µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
n-Butylbenzene	ND	0.50	0.19		µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
sec-Butylbenzene	ND	0.50	0.19		µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
tert-Butylbenzene	ND	0.50	0.17		µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
Carbon Tetrachloride	ND	0.50	0.18	5	µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
Chlorobenzene	ND	0.50	0.14	100	µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
Chloroethane	ND	0.50	0.20		µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
Chloroform	ND	0.50	0.18		µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
Chloromethane	0.43	0.50	0.35		µg/L	1	J	EPA 524.2	5/15/25	5/15/25 22:39	EEH
2-Chlorotoluene	ND	0.50	0.16		µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
4-Chlorotoluene	ND	0.50	0.19		µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
Dibromochloromethane	ND	0.50	0.12		µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
Dibromomethane	ND	0.50	0.15		µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
1,2-Dichlorobenzene	ND	0.50	0.14	600	µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
1,3-Dichlorobenzene	ND	0.50	0.16		µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
1,4-Dichlorobenzene	ND	0.50	0.18	75	µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.18		µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
1,1-Dichloroethane	ND	0.50	0.17		µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
1,2-Dichloroethane	ND	0.50	0.18	5	µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
1,1-Dichloroethylene	ND	0.50	0.12	7	µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
cis-1,2-Dichloroethylene	ND	0.50	0.16	70	µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
trans-1,2-Dichloroethylene	ND	0.50	0.21	100	µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
1,2-Dichloropropane	ND	0.50	0.20	5	µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
1,3-Dichloropropane	ND	0.50	0.12		µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
2,2-Dichloropropane	ND	0.50	0.18		µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
1,1-Dichloropropene	ND	0.50	0.17		µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
cis-1,3-Dichloropropene	ND	0.50	0.12		µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14		µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
1,3-Dichloropropene (total)	ND	1.0	0.25		µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
Ethylbenzene	ND	0.50	0.20	700	µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
Hexachlorobutadiene	ND	0.50	0.29		µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
Isopropylbenzene (Cumene)	ND	0.50	0.19		µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	0.18		µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.11		µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
Methylene Chloride	ND	0.50	0.21	5	µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
Naphthalene	ND	1.0	0.27		µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
n-Propylbenzene	ND	0.50	0.17		µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
Styrene	ND	0.50	0.19	100	µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	0.13		µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25E1182

Date Received: 5/14/2025

Field Sample #: Effluent | Sampled: 5/6/2025 09:15

Sample ID: 25E1182-01

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.14		µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
Tetrachloroethylene	ND	0.50	0.25	5	µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
Toluene	ND	0.50	0.20	1000	µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
1,2,3-Trichlorobenzene	ND	0.50	0.23		µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
1,2,4-Trichlorobenzene	ND	0.50	0.30	70	µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
1,3,5-Trichlorobenzene	ND	0.50	0.23		µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
1,1,1-Trichloroethane	ND	0.50	0.13	200	µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
1,1,2-Trichloroethane	ND	0.50	0.13	5	µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
Trichloroethylene	ND	0.50	0.18	5	µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50	0.16		µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
1,2,3-Trichloropropane	ND	0.50	0.13		µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
1,2,4-Trimethylbenzene	ND	0.50	0.21		µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
1,3,5-Trimethylbenzene	ND	0.50	0.18		µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
Vinyl Chloride	ND	0.50	0.29	2	µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
m&p-Xylene	ND	1.0	0.40		µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
o-Xylene	ND	0.50	0.21		µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH
Xylenes (total)	ND	1.5	0.61	10000	µg/L	1		EPA 524.2	5/15/25	5/15/25 22:39	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
4-Bromofluorobenzene	101	80-120		5/15/25 22:39
1,2-Dichlorobenzene-d4	99.5	80-120		5/15/25 22:39

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25E1182

Date Received: 5/14/2025

Field Sample #: Mid | Sampled: 5/6/2025 09:20

Sample ID: 25E1182-02

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.21	5	µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
Bromobenzene	ND	0.50	0.16		µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
Bromochloromethane	ND	0.50	0.17		µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
Bromodichloromethane	ND	0.50	0.14		µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
Bromoform	ND	0.50	0.19		µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
Bromomethane	ND	0.50	0.24		µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
n-Butylbenzene	ND	0.50	0.19		µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
sec-Butylbenzene	ND	0.50	0.19		µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
tert-Butylbenzene	ND	0.50	0.17		µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
Carbon Tetrachloride	ND	0.50	0.18	5	µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
Chlorobenzene	ND	0.50	0.14	100	µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
Chloroethane	ND	0.50	0.20		µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
Chloroform	ND	0.50	0.18		µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
Chloromethane	0.36	0.50	0.35		µg/L	1	J	EPA 524.2	5/15/25	5/15/25 23:05	EEH
2-Chlorotoluene	ND	0.50	0.16		µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
4-Chlorotoluene	ND	0.50	0.19		µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
Dibromochloromethane	ND	0.50	0.12		µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
Dibromomethane	ND	0.50	0.15		µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
1,2-Dichlorobenzene	ND	0.50	0.14	600	µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
1,3-Dichlorobenzene	ND	0.50	0.16		µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
1,4-Dichlorobenzene	ND	0.50	0.18	75	µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.18		µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
1,1-Dichloroethane	ND	0.50	0.17		µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
1,2-Dichloroethane	ND	0.50	0.18	5	µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
1,1-Dichloroethylene	ND	0.50	0.12	7	µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
cis-1,2-Dichloroethylene	ND	0.50	0.16	70	µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
trans-1,2-Dichloroethylene	ND	0.50	0.21	100	µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
1,2-Dichloropropane	ND	0.50	0.20	5	µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
1,3-Dichloropropane	ND	0.50	0.12		µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
2,2-Dichloropropane	ND	0.50	0.18		µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
1,1-Dichloropropene	ND	0.50	0.17		µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
cis-1,3-Dichloropropene	ND	0.50	0.12		µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14		µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
1,3-Dichloropropene (total)	ND	1.0	0.25		µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
Ethylbenzene	ND	0.50	0.20	700	µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
Hexachlorobutadiene	ND	0.50	0.29		µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
Isopropylbenzene (Cumene)	ND	0.50	0.19		µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	0.18		µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.11		µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
Methylene Chloride	ND	0.50	0.21	5	µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
Naphthalene	ND	1.0	0.27		µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
n-Propylbenzene	ND	0.50	0.17		µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
Styrene	ND	0.50	0.19	100	µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	0.13		µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25E1182

Date Received: 5/14/2025

Field Sample #: Mid | Sampled: 5/6/2025 09:20

Sample ID: 25E1182-02

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.14		µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
Tetrachloroethylene	ND	0.50	0.25	5	µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
Toluene	ND	0.50	0.20	1000	µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
1,2,3-Trichlorobenzene	ND	0.50	0.23		µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
1,2,4-Trichlorobenzene	ND	0.50	0.30	70	µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
1,3,5-Trichlorobenzene	ND	0.50	0.23		µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
1,1,1-Trichloroethane	ND	0.50	0.13	200	µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
1,1,2-Trichloroethane	ND	0.50	0.13	5	µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
Trichloroethylene	ND	0.50	0.18	5	µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50	0.16		µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
1,2,3-Trichloropropane	ND	0.50	0.13		µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
1,2,4-Trimethylbenzene	ND	0.50	0.21		µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
1,3,5-Trimethylbenzene	ND	0.50	0.18		µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
Vinyl Chloride	ND	0.50	0.29	2	µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
m&p-Xylene	ND	1.0	0.40		µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
o-Xylene	ND	0.50	0.21		µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH
Xylenes (total)	ND	1.5	0.61	10000	µg/L	1		EPA 524.2	5/15/25	5/15/25 23:05	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
4-Bromofluorobenzene	95.6	80-120		5/15/25 23:05
1,2-Dichlorobenzene-d4	95.4	80-120		5/15/25 23:05

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25E1182

Date Received: 5/14/2025

Field Sample #: Influent | Sampled: 5/6/2025 09:22

Sample ID: 25E1182-03

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.21	5	µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
Bromobenzene	ND	0.50	0.16		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
Bromochloromethane	ND	0.50	0.17		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
Bromodichloromethane	ND	0.50	0.14		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
Bromoform	ND	0.50	0.19		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
Bromomethane	ND	0.50	0.24		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
n-Butylbenzene	ND	0.50	0.19		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
sec-Butylbenzene	ND	0.50	0.19		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
tert-Butylbenzene	ND	0.50	0.17		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
Carbon Tetrachloride	ND	0.50	0.18	5	µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
Chlorobenzene	ND	0.50	0.14	100	µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
Chloroethane	ND	0.50	0.20		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
Chloroform	ND	0.50	0.18		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
Chloromethane	ND	0.50	0.35		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
2-Chlorotoluene	ND	0.50	0.16		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
4-Chlorotoluene	ND	0.50	0.19		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
Dibromochloromethane	ND	0.50	0.12		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
Dibromomethane	ND	0.50	0.15		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
1,2-Dichlorobenzene	ND	0.50	0.14	600	µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
1,3-Dichlorobenzene	ND	0.50	0.16		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
1,4-Dichlorobenzene	ND	0.50	0.18	75	µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.18		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
1,1-Dichloroethane	ND	0.50	0.17		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
1,2-Dichloroethane	ND	0.50	0.18	5	µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
1,1-Dichloroethylene	ND	0.50	0.12	7	µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
cis-1,2-Dichloroethylene	ND	0.50	0.16	70	µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
trans-1,2-Dichloroethylene	ND	0.50	0.21	100	µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
1,2-Dichloropropane	ND	0.50	0.20	5	µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
1,3-Dichloropropane	ND	0.50	0.12		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
2,2-Dichloropropane	ND	0.50	0.18		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
1,1-Dichloropropene	ND	0.50	0.17		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
cis-1,3-Dichloropropene	ND	0.50	0.12		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
1,3-Dichloropropene (total)	ND	1.0	0.25		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
Ethylbenzene	ND	0.50	0.20	700	µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
Hexachlorobutadiene	ND	0.50	0.29		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
Isopropylbenzene (Cumene)	ND	0.50	0.19		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	0.18		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.11		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
Methylene Chloride	ND	0.50	0.21	5	µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
Naphthalene	ND	1.0	0.27		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
n-Propylbenzene	ND	0.50	0.17		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
Styrene	ND	0.50	0.19	100	µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	0.13		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25E1182

Date Received: 5/14/2025

Field Sample #: Influent | Sampled: 5/6/2025 09:22

Sample ID: 25E1182-03

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.14		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
Tetrachloroethylene	ND	0.50	0.25	5	µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
Toluene	ND	0.50	0.20	1000	µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
1,2,3-Trichlorobenzene	ND	0.50	0.23		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
1,2,4-Trichlorobenzene	ND	0.50	0.30	70	µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
1,3,5-Trichlorobenzene	ND	0.50	0.23		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
1,1,1-Trichloroethane	ND	0.50	0.13	200	µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
1,1,2-Trichloroethane	ND	0.50	0.13	5	µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
Trichloroethylene	ND	0.50	0.18	5	µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50	0.16		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
1,2,3-Trichloropropane	ND	0.50	0.13		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
1,2,4-Trimethylbenzene	ND	0.50	0.21		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
1,3,5-Trimethylbenzene	ND	0.50	0.18		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
Vinyl Chloride	ND	0.50	0.29	2	µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
m&p-Xylene	ND	1.0	0.40		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
o-Xylene	ND	0.50	0.21		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH
Xylenes (total)	ND	1.5	0.61	10000	µg/L	1		EPA 524.2	5/15/25	5/16/25 5:27	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
4-Bromofluorobenzene	97.6	80-120		5/16/25 5:27
1,2-Dichlorobenzene-d4	96.4	80-120		5/16/25 5:27

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25E1182

Date Received: 5/14/2025

Field Sample #: DUP | Sampled: 5/6/2025 00:01

Sample ID: 25E1182-04

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.21	5	µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
Bromobenzene	ND	0.50	0.16		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
Bromochloromethane	ND	0.50	0.17		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
Bromodichloromethane	ND	0.50	0.14		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
Bromoform	ND	0.50	0.19		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
Bromomethane	ND	0.50	0.24		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
n-Butylbenzene	ND	0.50	0.19		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
sec-Butylbenzene	ND	0.50	0.19		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
tert-Butylbenzene	ND	0.50	0.17		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
Carbon Tetrachloride	ND	0.50	0.18	5	µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
Chlorobenzene	ND	0.50	0.14	100	µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
Chloroethane	ND	0.50	0.20		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
Chloroform	ND	0.50	0.18		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
Chloromethane	ND	0.50	0.35		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
2-Chlorotoluene	ND	0.50	0.16		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
4-Chlorotoluene	ND	0.50	0.19		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
Dibromochloromethane	ND	0.50	0.12		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
Dibromomethane	ND	0.50	0.15		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
1,2-Dichlorobenzene	ND	0.50	0.14	600	µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
1,3-Dichlorobenzene	ND	0.50	0.16		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
1,4-Dichlorobenzene	ND	0.50	0.18	75	µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.18		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
1,1-Dichloroethane	ND	0.50	0.17		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
1,2-Dichloroethane	ND	0.50	0.18	5	µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
1,1-Dichloroethylene	ND	0.50	0.12	7	µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
cis-1,2-Dichloroethylene	ND	0.50	0.16	70	µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
trans-1,2-Dichloroethylene	ND	0.50	0.21	100	µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
1,2-Dichloropropane	ND	0.50	0.20	5	µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
1,3-Dichloropropane	ND	0.50	0.12		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
2,2-Dichloropropane	ND	0.50	0.18		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
1,1-Dichloropropene	ND	0.50	0.17		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
cis-1,3-Dichloropropene	ND	0.50	0.12		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
1,3-Dichloropropene (total)	ND	1.0	0.25		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
Ethylbenzene	ND	0.50	0.20	700	µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
Hexachlorobutadiene	ND	0.50	0.29		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
Isopropylbenzene (Cumene)	ND	0.50	0.19		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	0.18		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.11		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
Methylene Chloride	ND	0.50	0.21	5	µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
Naphthalene	ND	1.0	0.27		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
n-Propylbenzene	ND	0.50	0.17		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
Styrene	ND	0.50	0.19	100	µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	0.13		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25E1182

Date Received: 5/14/2025

Field Sample #: DUP | Sampled: 5/6/2025 00:01

Sample ID: 25E1182-04

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.14		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
Tetrachloroethylene	ND	0.50	0.25	5	µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
Toluene	ND	0.50	0.20	1000	µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
1,2,3-Trichlorobenzene	ND	0.50	0.23		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
1,2,4-Trichlorobenzene	ND	0.50	0.30	70	µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
1,3,5-Trichlorobenzene	ND	0.50	0.23		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
1,1,1-Trichloroethane	ND	0.50	0.13	200	µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
1,1,2-Trichloroethane	ND	0.50	0.13	5	µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
Trichloroethylene	ND	0.50	0.18	5	µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50	0.16		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
1,2,3-Trichloropropane	ND	0.50	0.13		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
1,2,4-Trimethylbenzene	ND	0.50	0.21		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
1,3,5-Trimethylbenzene	ND	0.50	0.18		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
Vinyl Chloride	ND	0.50	0.29	2	µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
m&p-Xylene	ND	1.0	0.40		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
o-Xylene	ND	0.50	0.21		µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH
Xylenes (total)	ND	1.5	0.61	10000	µg/L	1		EPA 524.2	5/15/25	5/16/25 5:02	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
4-Bromofluorobenzene	103	80-120		5/16/25 5:02
1,2-Dichlorobenzene-d4	101	80-120		5/16/25 5:02

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25E1182

Date Received: 5/14/2025

Field Sample #: TB | Sampled: 5/6/2025 08:00

Sample ID: 25E1182-05

Sample Matrix: Trip Blank Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.21	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
Bromobenzene	ND	0.50	0.16	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
Bromochloromethane	ND	0.50	0.17	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
Bromodichloromethane	ND	0.50	0.14	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
Bromoform	ND	0.50	0.19	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
Bromomethane	ND	0.50	0.24	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
n-Butylbenzene	ND	0.50	0.19	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
sec-Butylbenzene	ND	0.50	0.19	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
tert-Butylbenzene	ND	0.50	0.17	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
Carbon Tetrachloride	ND	0.50	0.18	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
Chlorobenzene	ND	0.50	0.14	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
Chloroethane	ND	0.50	0.20	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
Chloroform	ND	0.50	0.18	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
Chloromethane	ND	0.50	0.35	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
2-Chlorotoluene	ND	0.50	0.16	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
4-Chlorotoluene	ND	0.50	0.19	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
Dibromochloromethane	ND	0.50	0.12	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
Dibromomethane	ND	0.50	0.15	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
1,2-Dichlorobenzene	ND	0.50	0.14	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
1,3-Dichlorobenzene	ND	0.50	0.16	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
1,4-Dichlorobenzene	ND	0.50	0.18	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.18	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
1,1-Dichloroethane	ND	0.50	0.17	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
1,2-Dichloroethane	ND	0.50	0.18	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
1,1-Dichloroethylene	ND	0.50	0.12	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
cis-1,2-Dichloroethylene	ND	0.50	0.16	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
trans-1,2-Dichloroethylene	ND	0.50	0.21	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
1,2-Dichloropropane	ND	0.50	0.20	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
2,2-Dichloropropane	ND	0.50	0.18	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
1,1-Dichloropropene	ND	0.50	0.17	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
1,3-Dichloropropene (total)	ND	1.0	0.25	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
Ethylbenzene	ND	0.50	0.20	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
Hexachlorobutadiene	ND	0.50	0.29	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
Isopropylbenzene (Cumene)	ND	0.50	0.19	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	0.18	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.11	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
Methylene Chloride	ND	0.50	0.21	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
Naphthalene	ND	1.0	0.27	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
n-Propylbenzene	ND	0.50	0.17	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
Styrene	ND	0.50	0.19	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25E1182

Date Received: 5/14/2025

Field Sample #: TB | Sampled: 5/6/2025 08:00

Sample ID: 25E1182-05

Sample Matrix: Trip Blank Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
Tetrachloroethylene	ND	0.50	0.25	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
Toluene	ND	0.50	0.20	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
1,2,3-Trichlorobenzene	ND	0.50	0.23	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
1,2,4-Trichlorobenzene	ND	0.50	0.30	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
1,3,5-Trichlorobenzene	ND	0.50	0.23	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
1,1,1-Trichloroethane	ND	0.50	0.13	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
1,1,2-Trichloroethane	ND	0.50	0.13	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
Trichloroethylene	ND	0.50	0.18	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50	0.16	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
1,2,3-Trichloropropane	ND	0.50	0.13	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
1,2,4-Trimethylbenzene	ND	0.50	0.21	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
1,3,5-Trimethylbenzene	ND	0.50	0.18	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
Vinyl Chloride	ND	0.50	0.29	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
m&p-Xylene	ND	1.0	0.40	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
o-Xylene	ND	0.50	0.21	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH
Xylenes (total)	ND	1.5	0.61	µg/L	1		EPA 524.2	5/15/25	5/15/25 21:48	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
4-Bromofluorobenzene	99.4	80-120		5/15/25 21:48
1,2-Dichlorobenzene-d4	100	80-120		5/15/25 21:48

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Sample Extraction Data

Prep Method: EPA 524.2-EPA 524.2

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25E1182-01 [Effluent]	B405170	5	5.00	05/15/25
25E1182-02 [Mid]	B405170	5	5.00	05/15/25
25E1182-03 [Influent]	B405170	5	5.00	05/15/25
25E1182-04 [DUP]	B405170	5	5.00	05/15/25
25E1182-05 [TB]	B405170	5	5.00	05/15/25

Pace Analytical Services, LLC - East Longmeadow, Ma

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

QUALITY CONTROL

Drinking Water Organics EPA 500 Series Methods - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B405170 - EPA 524.2											
Blank (B405170-BLK1)					Prepared & Analyzed: 05/15/25						
Benzene	ND	0.50	0.21	µg/L							
Bromobenzene	ND	0.50	0.16	µg/L							
Bromochloromethane	ND	0.50	0.17	µg/L							
Bromodichloromethane	ND	0.50	0.14	µg/L							
Bromoform	ND	0.50	0.19	µg/L							
Bromomethane	ND	0.50	0.24	µg/L							
n-Butylbenzene	ND	0.50	0.19	µg/L							
sec-Butylbenzene	ND	0.50	0.19	µg/L							
tert-Butylbenzene	ND	0.50	0.17	µg/L							
Carbon Tetrachloride	ND	0.50	0.18	µg/L							
Chlorobenzene	ND	0.50	0.14	µg/L							
Chloroethane	ND	0.50	0.20	µg/L							
Chloroform	ND	0.50	0.18	µg/L							
Chloromethane	ND	0.50	0.35	µg/L							
2-Chlorotoluene	ND	0.50	0.16	µg/L							
4-Chlorotoluene	ND	0.50	0.19	µg/L							
Dibromochloromethane	ND	0.50	0.12	µg/L							
Dibromomethane	ND	0.50	0.15	µg/L							
1,2-Dichlorobenzene	ND	0.50	0.14	µg/L							
1,3-Dichlorobenzene	ND	0.50	0.16	µg/L							
1,4-Dichlorobenzene	ND	0.50	0.18	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.18	µg/L							
1,1-Dichloroethane	ND	0.50	0.17	µg/L							
1,2-Dichloroethane	ND	0.50	0.18	µg/L							
1,1-Dichloroethylene	ND	0.50	0.12	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	0.16	µg/L							
trans-1,2-Dichloroethylene	ND	0.50	0.21	µg/L							
1,2-Dichloropropane	ND	0.50	0.20	µg/L							
1,3-Dichloropropane	ND	0.50	0.12	µg/L							
2,2-Dichloropropane	ND	0.50	0.18	µg/L							
1,1-Dichloropropene	ND	0.50	0.17	µg/L							
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L							
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L							
Ethylbenzene	ND	0.50	0.20	µg/L							
Hexachlorobutadiene	ND	0.50	0.29	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	0.19	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	0.50	0.18	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.11	µg/L							
Methylene Chloride	ND	0.50	0.21	µg/L							
Naphthalene	ND	1.0	0.27	µg/L							
n-Propylbenzene	ND	0.50	0.17	µg/L							
Styrene	ND	0.50	0.19	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	0.13	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L							
Tetrachloroethylene	ND	0.50	0.25	µg/L							
Toluene	ND	0.50	0.20	µg/L							
1,2,3-Trichlorobenzene	ND	0.50	0.23	µg/L							
1,2,4-Trichlorobenzene	ND	0.50	0.30	µg/L							
1,3,5-Trichlorobenzene	ND	0.50	0.23	µg/L							
1,1,1-Trichloroethane	ND	0.50	0.13	µg/L							

Pace Analytical Services, LLC - East Longmeadow, Ma

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

QUALITY CONTROL

Drinking Water Organics EPA 500 Series Methods - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B405170 - EPA 524.2											
Blank (B405170-BLK1)					Prepared & Analyzed: 05/15/25						
1,1,2-Trichloroethane	ND	0.50	0.13	µg/L							
Trichloroethylene	ND	0.50	0.18	µg/L							
Trichlorofluoromethane (Freon 11)	ND	0.50	0.16	µg/L							
1,2,3-Trichloropropane	ND	0.50	0.13	µg/L							
1,2,4-Trimethylbenzene	ND	0.50	0.21	µg/L							
1,3,5-Trimethylbenzene	ND	0.50	0.18	µg/L							
Vinyl Chloride	ND	0.50	0.29	µg/L							
m&p-Xylene	ND	1.0	0.40	µg/L							
o-Xylene	ND	0.50	0.21	µg/L							
Surrogate: 4-Bromofluorobenzene	*25.0*			µg/L	25.00		100	80-120			
Surrogate: 1,2-Dichlorobenzene-d4	*24.8*			µg/L	25.00		99.0	80-120			
LCS (B405170-BS1)					Prepared & Analyzed: 05/15/25						
Benzene	11	0.50	0.21	µg/L	10.00		108	70-130			
Bromobenzene	10	0.50	0.16	µg/L	10.00		101	70-130			
Bromochloromethane	9.2	0.50	0.17	µg/L	10.00		91.9	70-130			
Bromodichloromethane	9.9	0.50	0.14	µg/L	10.00		99.3	70-130			
Bromoform	8.9	0.50	0.19	µg/L	10.00		89.3	70-130			
Bromomethane	10	0.50	0.24	µg/L	10.00		99.8	70-130			
n-Butylbenzene	9.4	0.50	0.19	µg/L	10.00		93.7	70-130			
sec-Butylbenzene	9.2	0.50	0.19	µg/L	10.00		91.6	70-130			
tert-Butylbenzene	9.5	0.50	0.17	µg/L	10.00		94.6	70-130			
Carbon Tetrachloride	11	0.50	0.18	µg/L	10.00		112	70-130			
Chlorobenzene	10	0.50	0.14	µg/L	10.00		103	70-130			
Chloroethane	9.7	0.50	0.20	µg/L	10.00		96.9	70-130			
Chloroform	10	0.50	0.18	µg/L	10.00		102	70-130			
Chloromethane	8.3	0.50	0.35	µg/L	10.00		83.4	70-130			
2-Chlorotoluene	9.7	0.50	0.16	µg/L	10.00		96.8	70-130			
4-Chlorotoluene	10	0.50	0.19	µg/L	10.00		102	70-130			
Dibromochloromethane	9.8	0.50	0.12	µg/L	10.00		98.5	70-130			
Dibromomethane	11	0.50	0.15	µg/L	10.00		111	70-130			
1,2-Dichlorobenzene	10	0.50	0.14	µg/L	10.00		103	70-130			
1,3-Dichlorobenzene	9.9	0.50	0.16	µg/L	10.00		98.9	70-130			
1,4-Dichlorobenzene	9.6	0.50	0.18	µg/L	10.00		96.4	70-130			
Dichlorodifluoromethane (Freon 12)	12	0.50	0.18	µg/L	10.00		123	70-130			
1,1-Dichloroethane	9.9	0.50	0.17	µg/L	10.00		99.0	70-130			
1,2-Dichloroethane	11	0.50	0.18	µg/L	10.00		106	70-130			
1,1-Dichloroethylene	11	0.50	0.12	µg/L	10.00		107	70-130			
cis-1,2-Dichloroethylene	10	0.50	0.16	µg/L	10.00		101	70-130			
trans-1,2-Dichloroethylene	9.8	0.50	0.21	µg/L	10.00		98.0	70-130			
1,2-Dichloropropane	10	0.50	0.20	µg/L	10.00		103	70-130			
1,3-Dichloropropane	11	0.50	0.12	µg/L	10.00		110	70-130			
2,2-Dichloropropane	9.1	0.50	0.18	µg/L	10.00		90.7	70-130			
1,1-Dichloropropene	12	0.50	0.17	µg/L	10.00		120	70-130			
cis-1,3-Dichloropropene	9.9	0.50	0.12	µg/L	10.00		99.0	70-130			
trans-1,3-Dichloropropene	9.9	0.50	0.14	µg/L	10.00		98.6	70-130			
Ethylbenzene	11	0.50	0.20	µg/L	10.00		106	70-130			
Hexachlorobutadiene	8.7	0.50	0.29	µg/L	10.00		87.3	70-130			
Isopropylbenzene (Cumene)	9.9	0.50	0.19	µg/L	10.00		99.0	70-130			
p-Isopropyltoluene (p-Cymene)	9.0	0.50	0.18	µg/L	10.00		89.6	70-130			

Pace Analytical Services, LLC - East Longmeadow, Ma

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

QUALITY CONTROL

Drinking Water Organics EPA 500 Series Methods - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B405170 - EPA 524.2											
LCS (B405170-BS1)					Prepared & Analyzed: 05/15/25						
Methyl tert-Butyl Ether (MTBE)	10	0.50	0.11	µg/L	10.00		100	70-130			
Methylene Chloride	9.2	0.50	0.21	µg/L	10.00		92.4	70-130			
Naphthalene	9.4	1.0	0.27	µg/L	10.00		94.3	70-130			
n-Propylbenzene	10	0.50	0.17	µg/L	10.00		100	70-130			
Styrene	10	0.50	0.19	µg/L	10.00		102	70-130			
1,1,1,2-Tetrachloroethane	10	0.50	0.13	µg/L	10.00		101	70-130			
1,1,2,2-Tetrachloroethane	11	0.50	0.14	µg/L	10.00		108	70-130			
Tetrachloroethylene	11	0.50	0.25	µg/L	10.00		107	70-130			
Toluene	11	0.50	0.20	µg/L	10.00		106	70-130			
1,2,3-Trichlorobenzene	8.7	0.50	0.23	µg/L	10.00		87.2	70-130			
1,2,4-Trichlorobenzene	8.8	0.50	0.30	µg/L	10.00		88.5	70-130			
1,3,5-Trichlorobenzene	8.9	0.50	0.23	µg/L	10.00		89.3	70-130			
1,1,1-Trichloroethane	10	0.50	0.13	µg/L	10.00		102	70-130			
1,1,2-Trichloroethane	10	0.50	0.13	µg/L	10.00		104	70-130			
Trichloroethylene	11	0.50	0.18	µg/L	10.00		113	70-130			
Trichlorofluoromethane (Freon 11)	13	0.50	0.16	µg/L	10.00		126	70-130			
1,2,3-Trichloropropane	11	0.50	0.13	µg/L	10.00		114	70-130			
1,2,4-Trimethylbenzene	9.7	0.50	0.21	µg/L	10.00		97.1	70-130			
1,3,5-Trimethylbenzene	9.8	0.50	0.18	µg/L	10.00		97.6	70-130			
Vinyl Chloride	10	0.50	0.29	µg/L	10.00		104	70-130			
m&p-Xylene	20	1.0	0.40	µg/L	20.00		101	70-130			
o-Xylene	10	0.50	0.21	µg/L	10.00		104	70-130			
Surrogate: 4-Bromofluorobenzene	*24.8*			µg/L	25.00		99.2	80-120			
Surrogate: 1,2-Dichlorobenzene-d4	*24.4*			µg/L	25.00		97.8	80-120			

Pace Analytical Services, LLC - East Longmeadow, Ma

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

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).

Pace Analytical Services, LLC - East Longmeadow, Ma

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA 524.2 in Drinking Water	
Benzene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
Bromobenzene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
Bromochloromethane	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
Bromodichloromethane	MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
Bromoform	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
Bromomethane	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
n-Butylbenzene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
sec-Butylbenzene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
tert-Butylbenzene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
Carbon Tetrachloride	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
Chlorobenzene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
Chloroethane	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
Chloroform	MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
Chloromethane	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
2-Chlorotoluene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
4-Chlorotoluene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
Dibromochloromethane	MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
Dibromomethane	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
1,2-Dichlorobenzene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
1,3-Dichlorobenzene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
1,4-Dichlorobenzene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
Dichlorodifluoromethane (Freon 12)	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
1,1-Dichloroethane	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
1,2-Dichloroethane	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
1,1-Dichloroethylene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
cis-1,2-Dichloroethylene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
trans-1,2-Dichloroethylene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
1,2-Dichloropropane	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
1,3-Dichloropropane	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
2,2-Dichloropropane	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
1,1-Dichloropropene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
cis-1,3-Dichloropropene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
trans-1,3-Dichloropropene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
1,3-Dichloropropene (total)	CT,MA
Ethylbenzene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
Hexachlorobutadiene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
Isopropylbenzene (Cumene)	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
p-Isopropyltoluene (p-Cymene)	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
Methyl tert-Butyl Ether (MTBE)	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
Methylene Chloride	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
Naphthalene	NY,ME,NJ,PA
n-Propylbenzene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
Styrene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
1,1,1,2-Tetrachloroethane	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
1,1,2,2-Tetrachloroethane	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
Tetrachloroethylene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
Toluene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA

Pace Analytical Services, LLC - East Longmeadow, Ma

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA 524.2 in Drinking Water	
1,2,3-Trichlorobenzene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
1,2,4-Trichlorobenzene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
1,3,5-Trichlorobenzene	ME,NJ,PA
1,1,1-Trichloroethane	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
1,1,2-Trichloroethane	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
Trichloroethylene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
Trichlorofluoromethane (Freon 11)	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
1,2,3-Trichloropropane	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
1,2,4-Trimethylbenzene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
1,3,5-Trimethylbenzene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
Vinyl Chloride	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
m&p-Xylene	CT,NH,ME,VA,NJ,PA
o-Xylene	CT,NH,ME,VA,NJ,PA
Xylenes (total)	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA

Pace Analytical Services, LLC - East Longmeadow, Ma, operates under the following certifications and accreditations:

Code	Description	Number	Expires
MA	Massachusetts DEP	M-MA100	06/30/2026
CT	Connecticut Department of Public Health	PH-0821	12/31/2026
NY	New York State Department of Health	10899 NELAP	04/1/2026
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2026
RI	Rhode Island Department of Health	LAO00373	12/30/2025
NJ	New Jersey DEP	MA007 NELAP	06/30/2026
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2026
ME	State of Maine	MA00100	06/9/2027
VA	Commonwealth of Virginia	460217	12/14/2025
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2026

25ET182 RF

Pace Analytical

Phone: 413-525-2332
Fax: 413-525-6405
Access COC's and Support Requests

http://www.pacelabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 5_07/13/2021

Page 1 of 1

Company Name:	Atlas
Address:	51 Knight Lane, Williston VT
Phone:	607-437-8243
Project Name:	Morrissey POET
Project Location:	Boston, VT
Project Number:	2806M01294
Project Manager:	Jo Palmer
Pace Quote Name/Number:	
Invoice Recipient:	ARVT@greatlas.com
Sampled By:	Jo Palmer

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

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

Data Delivery
Format: PDF ☒ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To:
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☐
NON SOXHLET ☐

ANALYSIS REQUESTED

Pace Work Order#	Client Sample ID / Description	Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	524.2 full list H
1	Effluent	5/6/25	0915	G	DW	L	3					X
2	Mid	1	0920	1	1	1	3					X
3	Influent		0922				3					X
4	Dup	↓	0001	↓	↓		3					X
5	TB	↓	0800	TB	TB	↓	2					X

[2] Preservation Code

Courier Use Only

Total Number Of:

VIALS_____
GLASS_____
PLASTIC_____
BACTERIA_____
ENCORE_____

Glassware in the fridge? Y / N

Glassware in freezer? Y / N

Prepackaged Cooler? Y / N

*Pace Analytical is not responsible for missing samples from prepacked coolers

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

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Relinquished by: (signature)		Date/Time: 5/6/25 1200
Received by: (signature)	JMC	Date/Time: 5/6 11:55
Relinquished by: (signature)	JMC	Date/Time: 5/6 1155
Received by: (signature)		Date/Time: 5-6-25 1605
Relinquished by: (signature)		Date/Time: 5-6-25 1800
Received by: (signature)		Date/Time: 5/6/25 1800
Relinquished by: (signature)		Date/Time: 5/14/25 1701
Received by: (signature)		Date/Time: 5-14-25 13:23

Client Comments: use project # on invoice!

Detection Limit Requirements
MA
CT
Other:

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

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

NELAC and AIHA-LAP, LLC Accredited

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

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

Comments: VR 5-14-25

52 5/14/25 1655

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

Exhibit S

Table of Contents

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0001 v08_Sample Receiving Checklist
	Effective Date: 06/11/2024

Log In Back-Sheet

Client Atlas (VT)

Project Morrissey POET

MCP/RCP Required no

Deliverable Package Requirement none

Location Bristol, VT

PWSID# (When Applicable) n/a

Arrival Method:

Courier ☑ Fed Ex ☐ Walk In ☐ Other ☐

Received By / Date / Time Mcm 5/14/25 1855

Back-Sheet By / Date / Time Mcm 5/15/25 0930

Temperature Method Gun # 4

WV samples: Yes (see note*) / No (follow normal procedure)

Temp < 6° C Actual Temperature 5.2

Rush Samples: Yes / No Notify No

Short Hold: Yes / No Notify No

Notes regarding Samples/COC outside of SOP:

Login Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy) Any False statement will be brought to the attention of the Client – True or False

	True	False
Received on Ice	☑	☐
Received in Cooler	☑	☐
Custody Seal: DATE TIME	☐	☑
COC Relinquished	☑	☐
COC/Samples Labels Agree	☑	☐
All Samples in Good Condition	☑	☐
Samples Received within Holding Time	☑	☐
Is there enough Volume	☑	☐
Proper Media/Container Used	☑	☐
Splitting Samples Required	☐	☑
MS/MSD	☐	☑
Trip Blanks	☑	☐
Lab to Filters	☐	☑
COC Legible	☑	☐

COC Included: (Check all included)

Client	☑	Analysis	☑	Sampler Name	☑
Project	☑	IDs	☑	Collection Date/Time	☑

All Samples Proper pH: (N/A) ☐ ☐

Additional Container Notes

Note: West Virginia requires all samples to have their temperature taken. Note any outliers.

Qualtrax ID: 120836

Exhibit S

Page 2 of 2

Qualtrax ID: 120836

Sample	Soils Jars (Circle Amb/Clear)					Ambers							Plastics												VOA Vials					Other / Fill in					
	16oz Amb/Clear	8oz Amb/Clear	4oz Amb/Clear	2oz Amb/Clear	1 Liter	Unpreserved	HCL	Sulfuric	250mL	Sulfuric	Phosphoric	HCl	100mL	Unpreserved	1 Liter	Unpreserved	Sulfuric	500mL	Unpreserved	Sulfuric	250mL	Unpreserved	Trizma	Sulfuric	Nitric	NaOH	Ammonium Acetate	NaOH/Zinc	Unpreserved	HCl	MeOH	D.I. Water	Bisulfate	Col/Bact						
1																														3					
2																														→					
3																																			
4																																			
5																														2					
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19																																			
20																																			

Pace	DC#_Title: ENV-FRM-ELON-0001 v08_Sample Receiving Checklist
	Effective Date: 06/11/2024

Exhibit S

Pace Analytical Services, LLC - East Longmeadow, Ma

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

June 12, 2025

Jo Palmer
Atlas Technical Consultants - Vermont
51 Knight Lane, PO Box 1486
Williston, VT 05495

Project Location: Bristol, VT
Client Job Number:
Project Number: 280EM01330
Laboratory Work Order Number: 25F0265

Enclosed are results of analyses for samples as received by the laboratory on June 4, 2025. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Rebecca Faust
Project Manager

Exhibit S

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Pace Analytical Services, LLC - East Longmeadow, Ma

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

Atlas Technical Consultants - Vermont
51 Knight Lane, PO Box 1486
Williston, VT 05495
ATTN: Jo Palmer

REPORT DATE: 6/12/2025

PURCHASE ORDER NUMBER: 280EM01330

PROJECT NUMBER: 280EM01330

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 25F0265

The results of analyses performed on the following samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, are found in this report.

PROJECT LOCATION: Bristol, VT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
TB	25F0265-01	Trip Blank Water		SW-846 8260D	
DUP	25F0265-02	Ground Water		SW-846 8260D	
MW-7	25F0265-03	Ground Water		SW-846 8260D	
				SW-846 8270E	
MW-4	25F0265-04	Ground Water		SW-846 8260D	
				SW-846 8270E	
MW-5	25F0265-05	Ground Water		SW-846 8260D	
				SW-846 8270E	
MW-8	25F0265-06	Ground Water		SW-846 8260D	
				SW-846 8270E	

Pace Analytical Services, LLC - East Longmeadow, Ma

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

CASE NARRATIVE SUMMARY

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

SW-846 8260D

Qualifications:

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

1,2-Dibromo-3-chloropropane (DB
25F0265-01[TB], 25F0265-02[DUP], 25F0265-03[MW-7], 25F0265-04[MW-4], 25F0265-05[MW-5], 25F0265-06[MW-8], B406733-BLK1, B406733-BS1, B406733-BSD1, S122371-CCV1

1,4-Dioxane
25F0265-01[TB], 25F0265-02[DUP], 25F0265-03[MW-7], 25F0265-04[MW-4], 25F0265-05[MW-5], 25F0265-06[MW-8], B406733-BLK1, B406733-BS1, B406733-BSD1, S122371-CCV1

2-Butanone (MEK)
25F0265-01[TB], 25F0265-02[DUP], 25F0265-03[MW-7], 25F0265-04[MW-4], 25F0265-05[MW-5], 25F0265-06[MW-8], B406733-BLK1, B406733-BS1, B406733-BSD1, S122371-CCV1

2-Hexanone (MBK)
25F0265-01[TB], 25F0265-02[DUP], 25F0265-03[MW-7], 25F0265-04[MW-4], 25F0265-05[MW-5], 25F0265-06[MW-8], B406733-BLK1, B406733-BS1, B406733-BSD1, S122371-CCV1

tert-Amyl Methyl Ether (TAME)
25F0265-01[TB], 25F0265-02[DUP], 25F0265-03[MW-7], 25F0265-04[MW-4], 25F0265-05[MW-5], 25F0265-06[MW-8], B406733-BLK1, B406733-BS1, B406733-BSD1, S122371-CCV1

tert-Butyl Alcohol (TBA)
25F0265-01[TB], 25F0265-02[DUP], 25F0265-03[MW-7], 25F0265-04[MW-4], 25F0265-05[MW-5], 25F0265-06[MW-8], B406733-BLK1, B406733-BS1, B406733-BSD1, S122371-CCV1

Tetrahydrofuran
25F0265-01[TB], 25F0265-02[DUP], 25F0265-03[MW-7], 25F0265-04[MW-4], 25F0265-05[MW-5], 25F0265-06[MW-8], B406733-BLK1, B406733-BS1, B406733-BSD1, S122371-CCV1

trans-1,4-Dichloro-2-butene
25F0265-01[TB], 25F0265-02[DUP], 25F0265-03[MW-7], 25F0265-04[MW-4], 25F0265-05[MW-5], 25F0265-06[MW-8], B406733-BLK1, B406733-BS1, B406733-BSD1, S122371-CCV1

SW-846 8270E

Qualifications:

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Benzidine
25F0265-03[MW-7], 25F0265-04[MW-4], 25F0265-05[MW-5], 25F0265-06[MW-8], B406722-BLK1, B406722-BS1, B406722-BSD1

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

Hexachloroethane
B406722-BSD1

V-35

Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

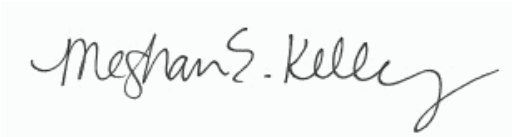
2-Nitroaniline
25F0265-03[MW-7], 25F0265-04[MW-4], 25F0265-05[MW-5], 25F0265-06[MW-8], B406722-BLK1, B406722-BS1, B406722-BSD1, S122434-CCV1, S122453-CCV1

Exhibit S

Pace Analytical Services, LLC - East Longmeadow, Ma

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

The results of analyses reported only relate to samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Meghan E. Kelley
Reporting Specialist

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25F0265

Date Received: 6/4/2025

Field Sample #: TB | Sampled: 6/3/2025 07:30

Sample ID: 25F0265-01

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	3.1	50	1.9	µg/L	1	J	SW-846 8260D	6/5/25	6/6/25 14:19	LBD
Acrylonitrile	ND	5.0	1.2	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.11	µg/L	1	V-05	SW-846 8260D	6/5/25	6/6/25 14:19	LBD
Benzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
Bromobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
Bromochloromethane	ND	1.0	0.34	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
Bromoform	ND	1.0	0.32	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
Bromomethane	ND	2.0	0.91	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
2-Butanone (MEK)	ND	20	1.5	µg/L	1	V-05	SW-846 8260D	6/5/25	6/6/25 14:19	LBD
tert-Butyl Alcohol (TBA)	ND	20	3.8	µg/L	1	V-05	SW-846 8260D	6/5/25	6/6/25 14:19	LBD
n-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
sec-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.12	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
Carbon Tetrachloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
Chlorodibromomethane	ND	0.50	0.12	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
Chloroethane	ND	2.0	0.43	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
Chloromethane	ND	2.0	0.39	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
4-Chlorotoluene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.62	µg/L	1	V-05	SW-846 8260D	6/5/25	6/6/25 14:19	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.12	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
Dibromomethane	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
1,4-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	1.4	µg/L	1	V-05	SW-846 8260D	6/5/25	6/6/25 14:19	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.23	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
1,1-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
1,2-Dichloroethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
1,1-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
cis-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
1,2-Dichloropropane	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
2,2-Dichloropropane	ND	1.0	0.30	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
1,1-Dichloropropene	ND	2.0	0.17	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
trans-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
Diethyl Ether	ND	2.0	0.15	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25F0265

Date Received: 6/4/2025

Field Sample #: TB | Sampled: 6/3/2025 07:30

Sample ID: 25F0265-01

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.21	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
1,4-Dioxane	ND	50	14	µg/L	1	V-05	SW-846 8260D	6/5/25	6/6/25 14:19	LBD
Ethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
Hexachlorobutadiene	ND	0.60	0.24	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
2-Hexanone (MBK)	ND	10	1.2	µg/L	1	V-05	SW-846 8260D	6/5/25	6/6/25 14:19	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
Methyl Acetate	ND	1.0	0.40	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
Methyl Cyclohexane	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
Methylene Chloride	ND	5.0	0.17	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.2	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
Naphthalene	ND	2.0	0.21	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
Styrene	ND	1.0	0.16	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.11	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
Tetrachloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
Tetrahydrofuran	ND	10	0.48	µg/L	1	V-05	SW-846 8260D	6/5/25	6/6/25 14:19	LBD
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.21	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
1,2,4-Trichlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
1,3,5-Trichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
1,1,2-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
Trichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.16	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
1,2,3-Trichloropropane	ND	2.0	0.23	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
1,2,4-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
1,3,5-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
Vinyl Chloride	ND	2.0	0.22	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
m+p Xylene	ND	2.0	0.30	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:19	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	87.8	70-130		6/6/25 14:19
Toluene-d8	94.3	70-130		6/6/25 14:19
4-Bromofluorobenzene	101	70-130		6/6/25 14:19

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25F0265

Date Received: 6/4/2025

Field Sample #: DUP | Sampled: 6/3/2025 00:01

Sample ID: 25F0265-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	2.3	50	1.9	µg/L	1	J	SW-846 8260D	6/5/25	6/6/25 14:45	LBD
Acrylonitrile	ND	5.0	1.2	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.11	µg/L	1	V-05	SW-846 8260D	6/5/25	6/6/25 14:45	LBD
Benzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
Bromobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
Bromochloromethane	ND	1.0	0.34	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
Bromoform	ND	1.0	0.32	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
Bromomethane	ND	2.0	0.91	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
2-Butanone (MEK)	ND	20	1.5	µg/L	1	V-05	SW-846 8260D	6/5/25	6/6/25 14:45	LBD
tert-Butyl Alcohol (TBA)	ND	20	3.8	µg/L	1	V-05	SW-846 8260D	6/5/25	6/6/25 14:45	LBD
n-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
sec-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.12	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
Carbon Tetrachloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
Chlorodibromomethane	ND	0.50	0.12	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
Chloroethane	ND	2.0	0.43	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
Chloromethane	ND	2.0	0.39	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
4-Chlorotoluene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.62	µg/L	1	V-05	SW-846 8260D	6/5/25	6/6/25 14:45	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.12	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
Dibromomethane	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
1,4-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	1.4	µg/L	1	V-05	SW-846 8260D	6/5/25	6/6/25 14:45	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.23	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
1,1-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
1,2-Dichloroethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
1,1-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
cis-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
1,2-Dichloropropane	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
2,2-Dichloropropane	ND	1.0	0.30	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
1,1-Dichloropropene	ND	2.0	0.17	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
trans-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
Diethyl Ether	ND	2.0	0.15	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25F0265

Date Received: 6/4/2025

Field Sample #: DUP | Sampled: 6/3/2025 00:01

Sample ID: 25F0265-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.21	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
1,4-Dioxane	ND	50	14	µg/L	1	V-05	SW-846 8260D	6/5/25	6/6/25 14:45	LBD
Ethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
Hexachlorobutadiene	ND	0.60	0.24	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
2-Hexanone (MBK)	ND	10	1.2	µg/L	1	V-05	SW-846 8260D	6/5/25	6/6/25 14:45	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
Methyl Acetate	ND	1.0	0.40	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
Methyl Cyclohexane	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
Methylene Chloride	ND	5.0	0.17	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.2	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
Naphthalene	ND	2.0	0.21	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
Styrene	ND	1.0	0.16	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.11	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
Tetrachloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
Tetrahydrofuran	ND	10	0.48	µg/L	1	V-05	SW-846 8260D	6/5/25	6/6/25 14:45	LBD
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.21	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
1,2,4-Trichlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
1,3,5-Trichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
1,1,2-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
Trichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.16	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
1,2,3-Trichloropropane	ND	2.0	0.23	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
1,2,4-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
1,3,5-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
Vinyl Chloride	ND	2.0	0.22	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
m+p Xylene	ND	2.0	0.30	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	6/5/25	6/6/25 14:45	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	87.1	70-130		6/6/25 14:45
Toluene-d8	93.8	70-130		6/6/25 14:45
4-Bromofluorobenzene	100	70-130		6/6/25 14:45

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25F0265

Date Received: 6/4/2025

Field Sample #: MW-7 | Sampled: 6/3/2025 16:15

Sample ID: 25F0265-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	5.0	50	1.9	µg/L	1	J	SW-846 8260D	6/5/25	6/6/25 15:11	LBD
Acrylonitrile	ND	5.0	1.2	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.11	µg/L	1	V-05	SW-846 8260D	6/5/25	6/6/25 15:11	LBD
Benzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
Bromobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
Bromochloromethane	ND	1.0	0.34	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
Bromoform	ND	1.0	0.32	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
Bromomethane	ND	2.0	0.91	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
2-Butanone (MEK)	ND	20	1.5	µg/L	1	V-05	SW-846 8260D	6/5/25	6/6/25 15:11	LBD
tert-Butyl Alcohol (TBA)	ND	20	3.8	µg/L	1	V-05	SW-846 8260D	6/5/25	6/6/25 15:11	LBD
n-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
sec-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.12	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
Carbon Tetrachloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
Chlorodibromomethane	ND	0.50	0.12	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
Chloroethane	ND	2.0	0.43	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
Chloromethane	ND	2.0	0.39	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
4-Chlorotoluene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.62	µg/L	1	V-05	SW-846 8260D	6/5/25	6/6/25 15:11	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.12	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
Dibromomethane	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
1,4-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	1.4	µg/L	1	V-05	SW-846 8260D	6/5/25	6/6/25 15:11	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.23	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
1,1-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
1,2-Dichloroethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
1,1-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
cis-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
1,2-Dichloropropane	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
2,2-Dichloropropane	ND	1.0	0.30	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
1,1-Dichloropropene	ND	2.0	0.17	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
trans-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
Diethyl Ether	ND	2.0	0.15	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25F0265

Date Received: 6/4/2025

Field Sample #: MW-7 | Sampled: 6/3/2025 16:15

Sample ID: 25F0265-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.21	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
1,4-Dioxane	ND	50	14	µg/L	1	V-05	SW-846 8260D	6/5/25	6/6/25 15:11	LBD
Ethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
Hexachlorobutadiene	ND	0.60	0.24	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
2-Hexanone (MBK)	ND	10	1.2	µg/L	1	V-05	SW-846 8260D	6/5/25	6/6/25 15:11	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
Methyl Acetate	ND	1.0	0.40	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
Methyl Cyclohexane	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
Methylene Chloride	ND	5.0	0.17	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.2	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
Naphthalene	ND	2.0	0.21	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
Styrene	ND	1.0	0.16	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.11	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
Tetrachloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
Tetrahydrofuran	ND	10	0.48	µg/L	1	V-05	SW-846 8260D	6/5/25	6/6/25 15:11	LBD
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.21	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
1,2,4-Trichlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
1,3,5-Trichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
1,1,2-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
Trichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.16	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
1,2,3-Trichloropropane	ND	2.0	0.23	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
1,2,4-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
1,3,5-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
Vinyl Chloride	ND	2.0	0.22	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
m+p Xylene	ND	2.0	0.30	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:11	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	85.7	70-130		6/6/25 15:11
Toluene-d8	94.6	70-130		6/6/25 15:11
4-Bromofluorobenzene	103	70-130		6/6/25 15:11

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25F0265

Date Received: 6/4/2025

Field Sample #: MW-7 | Sampled: 6/3/2025 16:15

Sample ID: 25F0265-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.8	0.84	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
Acenaphthylene	ND	4.8	0.71	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
Acetophenone	ND	9.6	0.69	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
Aniline	ND	19	12	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
Anthracene	ND	4.8	0.62	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
Benzidine	ND	19	12	µg/L	1	L-04	SW-846 8270E	6/5/25	6/9/25 21:34	BGL
Benzo(a)anthracene	ND	4.8	0.58	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
Benzo(a)pyrene	ND	4.8	0.70	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
Benzo(b)fluoranthene	ND	4.8	0.59	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
Benzo(g,h,i)perylene	ND	4.8	0.81	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
Benzo(k)fluoranthene	ND	4.8	0.64	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
Benzoic Acid	ND	19	18	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
Bis(2-chloroethoxy)methane	ND	9.6	0.71	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
Bis(2-chloroethyl)ether	ND	9.6	0.81	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
2,2'-oxybis(1-Chloropropane)	ND	9.6	0.62	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.6	2.1	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
4-Bromophenylphenylether	ND	9.6	0.71	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
Butylbenzylphthalate	ND	9.6	0.76	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
Carbazole	ND	9.6	0.65	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
4-Chloroaniline	ND	9.6	4.0	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
4-Chloro-3-methylphenol	ND	9.6	2.4	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
2-Chloronaphthalene	ND	9.6	0.73	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
2-Chlorophenol	ND	9.6	0.77	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
4-Chlorophenylphenylether	ND	9.6	0.81	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
Chrysene	ND	4.8	0.72	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
Dibenz(a,h)anthracene	ND	4.8	0.78	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
Dibenzofuran	ND	4.8	0.75	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
Di-n-butylphthalate	ND	9.6	4.5	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
1,2-Dichlorobenzene	ND	4.8	0.95	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
1,3-Dichlorobenzene	ND	4.8	0.93	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
1,4-Dichlorobenzene	ND	4.8	1.0	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
3,3-Dichlorobenzidine	ND	9.6	3.3	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
2,4-Dichlorophenol	ND	9.6	2.2	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
Diethylphthalate	ND	9.6	1.6	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
2,4-Dimethylphenol	ND	9.6	0.66	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
Dimethylphthalate	ND	9.6	0.63	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
4,6-Dinitro-2-methylphenol	ND	19	2.5	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
2,4-Dinitrophenol	ND	19	3.1	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
2,4-Dinitrotoluene	ND	9.6	1.8	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
2,6-Dinitrotoluene	ND	9.6	1.7	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
Di-n-octylphthalate	ND	9.6	2.9	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
1,2-Diphenylhydrazine/Azobenzene	ND	9.6	0.58	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
Fluoranthene	ND	4.8	0.75	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
Fluorene	ND	4.8	0.69	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25F0265

Date Received: 6/4/2025

Field Sample #: MW-7 | Sampled: 6/3/2025 16:15

Sample ID: 25F0265-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	9.6	0.72	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
Hexachlorobutadiene	ND	9.6	4.5	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
Hexachlorocyclopentadiene	ND	9.6	4.3	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
Hexachloroethane	ND	9.6	4.6	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
Indeno(1,2,3-cd)pyrene	ND	4.8	0.79	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
Isophorone	ND	9.6	0.84	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
1-Methylnaphthalene	ND	4.8	0.92	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
2-Methylnaphthalene	ND	4.8	0.86	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
2-Methylphenol	ND	9.6	0.70	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
3/4-Methylphenol	ND	9.6	2.0	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
Naphthalene	ND	4.8	0.90	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
2-Nitroaniline	ND	9.6	3.1	µg/L	1	V-35	SW-846 8270E	6/5/25	6/9/25 21:34	BGL
3-Nitroaniline	ND	9.6	2.5	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
4-Nitroaniline	ND	9.6	2.3	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
Nitrobenzene	ND	9.6	0.90	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
2-Nitrophenol	ND	9.6	2.7	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
4-Nitrophenol	ND	9.6	1.2	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
N-Nitrosodimethylamine	ND	9.6	3.4	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.6	0.55	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
N-Nitrosodi-n-propylamine	ND	9.6	2.2	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
Pentachloronitrobenzene	ND	9.6	1.5	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
Pentachlorophenol	ND	9.6	3.3	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
Phenanthrene	ND	4.8	0.67	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
Phenol	ND	9.6	1.4	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
Pyrene	ND	4.8	0.60	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
Pyridine	ND	19	6.9	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.6	0.98	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
1,2,4-Trichlorobenzene	ND	4.8	1.0	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
2,4,5-Trichlorophenol	ND	9.6	0.77	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL
2,4,6-Trichlorophenol	ND	9.6	0.58	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:34	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	31.7	15-110		6/9/25 21:34
Phenol-d6	28.2	15-110		6/9/25 21:34
Nitrobenzene-d5	75.6	30-130		6/9/25 21:34
2-Fluorobiphenyl	71.8	30-130		6/9/25 21:34
2,4,6-Tribromophenol	55.5	15-110		6/9/25 21:34
p-Terphenyl-d14	94.2	30-130		6/9/25 21:34

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25F0265

Date Received: 6/4/2025

Field Sample #: MW-4 | Sampled: 6/3/2025 11:10

Sample ID: 25F0265-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	1.9	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
Acrylonitrile	ND	5.0	1.2	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.11	µg/L	1	V-05	SW-846 8260D	6/5/25	6/6/25 15:37	LBD
Benzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
Bromobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
Bromochloromethane	ND	1.0	0.34	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
Bromoform	ND	1.0	0.32	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
Bromomethane	ND	2.0	0.91	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
2-Butanone (MEK)	ND	20	1.5	µg/L	1	V-05	SW-846 8260D	6/5/25	6/6/25 15:37	LBD
tert-Butyl Alcohol (TBA)	ND	20	3.8	µg/L	1	V-05	SW-846 8260D	6/5/25	6/6/25 15:37	LBD
n-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
sec-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.12	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
Carbon Tetrachloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
Chlorodibromomethane	ND	0.50	0.12	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
Chloroethane	ND	2.0	0.43	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
Chloromethane	ND	2.0	0.39	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
4-Chlorotoluene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.62	µg/L	1	V-05	SW-846 8260D	6/5/25	6/6/25 15:37	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.12	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
Dibromomethane	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
1,4-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	1.4	µg/L	1	V-05	SW-846 8260D	6/5/25	6/6/25 15:37	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.23	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
1,1-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
1,2-Dichloroethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
1,1-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
cis-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
1,2-Dichloropropane	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
2,2-Dichloropropane	ND	1.0	0.30	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
1,1-Dichloropropene	ND	2.0	0.17	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
trans-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
Diethyl Ether	ND	2.0	0.15	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25F0265

Date Received: 6/4/2025

Field Sample #: MW-4 | Sampled: 6/3/2025 11:10

Sample ID: 25F0265-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.21	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
1,4-Dioxane	ND	50	14	µg/L	1	V-05	SW-846 8260D	6/5/25	6/6/25 15:37	LBD
Ethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
Hexachlorobutadiene	ND	0.60	0.24	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
2-Hexanone (MBK)	ND	10	1.2	µg/L	1	V-05	SW-846 8260D	6/5/25	6/6/25 15:37	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
Methyl Acetate	ND	1.0	0.40	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
Methyl Cyclohexane	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
Methylene Chloride	ND	5.0	0.17	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.2	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
Naphthalene	ND	2.0	0.21	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
Styrene	ND	1.0	0.16	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.11	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
Tetrachloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
Tetrahydrofuran	ND	10	0.48	µg/L	1	V-05	SW-846 8260D	6/5/25	6/6/25 15:37	LBD
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.21	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
1,2,4-Trichlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
1,3,5-Trichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
1,1,2-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
Trichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.16	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
1,2,3-Trichloropropane	ND	2.0	0.23	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
1,2,4-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
1,3,5-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
Vinyl Chloride	ND	2.0	0.22	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
m+p Xylene	ND	2.0	0.30	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	6/5/25	6/6/25 15:37	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	88.1	70-130		6/6/25 15:37
Toluene-d8	94.6	70-130		6/6/25 15:37
4-Bromofluorobenzene	99.8	70-130		6/6/25 15:37

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25F0265

Date Received: 6/4/2025

Field Sample #: MW-4 | Sampled: 6/3/2025 11:10

Sample ID: 25F0265-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.8	0.85	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
Acenaphthylene	ND	4.8	0.71	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
Acetophenone	ND	9.7	0.70	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
Aniline	ND	19	12	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
Anthracene	ND	4.8	0.63	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
Benzidine	ND	19	12	µg/L	1	L-04	SW-846 8270E	6/5/25	6/9/25 21:54	BGL
Benzo(a)anthracene	ND	4.8	0.59	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
Benzo(a)pyrene	ND	4.8	0.70	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
Benzo(b)fluoranthene	ND	4.8	0.59	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
Benzo(g,h,i)perylene	ND	4.8	0.82	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
Benzo(k)fluoranthene	ND	4.8	0.65	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
Benzoic Acid	ND	19	18	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
Bis(2-chloroethoxy)methane	ND	9.7	0.71	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
Bis(2-chloroethyl)ether	ND	9.7	0.82	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
2,2'-oxybis(1-Chloropropane)	ND	9.7	0.63	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.7	2.1	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
4-Bromophenylphenylether	ND	9.7	0.71	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
Butylbenzylphthalate	ND	9.7	0.77	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
Carbazole	ND	9.7	0.66	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
4-Chloroaniline	ND	9.7	4.0	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
4-Chloro-3-methylphenol	ND	9.7	2.4	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
2-Chloronaphthalene	ND	9.7	0.74	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
2-Chlorophenol	ND	9.7	0.78	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
4-Chlorophenylphenylether	ND	9.7	0.82	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
Chrysene	ND	4.8	0.73	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
Dibenz(a,h)anthracene	ND	4.8	0.79	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
Dibenzofuran	ND	4.8	0.76	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
Di-n-butylphthalate	ND	9.7	4.6	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
1,2-Dichlorobenzene	ND	4.8	0.97	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
1,3-Dichlorobenzene	ND	4.8	0.94	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
1,4-Dichlorobenzene	ND	4.8	1.0	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
3,3-Dichlorobenzidine	ND	9.7	3.4	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
2,4-Dichlorophenol	ND	9.7	2.2	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
Diethylphthalate	ND	9.7	1.6	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
2,4-Dimethylphenol	ND	9.7	0.66	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
Dimethylphthalate	ND	9.7	0.64	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
4,6-Dinitro-2-methylphenol	ND	19	2.6	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
2,4-Dinitrophenol	ND	19	3.2	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
2,4-Dinitrotoluene	ND	9.7	1.8	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
2,6-Dinitrotoluene	ND	9.7	1.8	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
Di-n-octylphthalate	ND	9.7	2.9	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
1,2-Diphenylhydrazine/Azobenzene	ND	9.7	0.59	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
Fluoranthene	ND	4.8	0.76	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
Fluorene	ND	4.8	0.69	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25F0265

Date Received: 6/4/2025

Field Sample #: MW-4 | Sampled: 6/3/2025 11:10

Sample ID: 25F0265-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	9.7	0.73	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
Hexachlorobutadiene	ND	9.7	4.6	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
Hexachlorocyclopentadiene	ND	9.7	4.3	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
Hexachloroethane	ND	9.7	4.7	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
Indeno(1,2,3-cd)pyrene	ND	4.8	0.80	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
Isophorone	ND	9.7	0.85	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
1-Methylnaphthalene	ND	4.8	0.93	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
2-Methylnaphthalene	ND	4.8	0.87	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
2-Methylphenol	ND	9.7	0.71	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
3/4-Methylphenol	ND	9.7	2.1	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
Naphthalene	ND	4.8	0.91	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
2-Nitroaniline	ND	9.7	3.2	µg/L	1	V-35	SW-846 8270E	6/5/25	6/9/25 21:54	BGL
3-Nitroaniline	ND	9.7	2.5	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
4-Nitroaniline	ND	9.7	2.3	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
Nitrobenzene	ND	9.7	0.91	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
2-Nitrophenol	ND	9.7	2.7	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
4-Nitrophenol	ND	9.7	1.2	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
N-Nitrosodimethylamine	ND	9.7	3.5	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.7	0.56	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
N-Nitrosodi-n-propylamine	ND	9.7	2.2	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
Pentachloronitrobenzene	ND	9.7	1.5	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
Pentachlorophenol	ND	9.7	3.3	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
Phenanthrene	ND	4.8	0.68	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
Phenol	ND	9.7	1.5	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
Pyrene	ND	4.8	0.60	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
Pyridine	ND	19	7.0	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.7	1.0	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
1,2,4-Trichlorobenzene	ND	4.8	1.0	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
2,4,5-Trichlorophenol	ND	9.7	0.78	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL
2,4,6-Trichlorophenol	ND	9.7	0.58	µg/L	1		SW-846 8270E	6/5/25	6/9/25 21:54	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	56.4	15-110		6/9/25 21:54
Phenol-d6	40.0	15-110		6/9/25 21:54
Nitrobenzene-d5	83.3	30-130		6/9/25 21:54
2-Fluorobiphenyl	74.9	30-130		6/9/25 21:54
2,4,6-Tribromophenol	94.3	15-110		6/9/25 21:54
p-Terphenyl-d14	99.6	30-130		6/9/25 21:54

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25F0265

Date Received: 6/4/2025

Field Sample #: MW-5 | Sampled: 6/3/2025 13:30

Sample ID: 25F0265-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	2.9	50	1.9	µg/L	1	J	SW-846 8260D	6/5/25	6/6/25 16:03	LBD
Acrylonitrile	ND	5.0	1.2	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.11	µg/L	1	V-05	SW-846 8260D	6/5/25	6/6/25 16:03	LBD
Benzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
Bromobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
Bromochloromethane	ND	1.0	0.34	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
Bromoform	ND	1.0	0.32	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
Bromomethane	ND	2.0	0.91	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
2-Butanone (MEK)	ND	20	1.5	µg/L	1	V-05	SW-846 8260D	6/5/25	6/6/25 16:03	LBD
tert-Butyl Alcohol (TBA)	ND	20	3.8	µg/L	1	V-05	SW-846 8260D	6/5/25	6/6/25 16:03	LBD
n-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
sec-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.12	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
Carbon Tetrachloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
Chlorodibromomethane	ND	0.50	0.12	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
Chloroethane	ND	2.0	0.43	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
Chloromethane	ND	2.0	0.39	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
4-Chlorotoluene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.62	µg/L	1	V-05	SW-846 8260D	6/5/25	6/6/25 16:03	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.12	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
Dibromomethane	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
1,4-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	1.4	µg/L	1	V-05	SW-846 8260D	6/5/25	6/6/25 16:03	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.23	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
1,1-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
1,2-Dichloroethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
1,1-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
cis-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
1,2-Dichloropropane	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
2,2-Dichloropropane	ND	1.0	0.30	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
1,1-Dichloropropene	ND	2.0	0.17	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
trans-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
Diethyl Ether	ND	2.0	0.15	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25F0265

Date Received: 6/4/2025

Field Sample #: MW-5 | Sampled: 6/3/2025 13:30

Sample ID: 25F0265-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.21	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
1,4-Dioxane	ND	50	14	µg/L	1	V-05	SW-846 8260D	6/5/25	6/6/25 16:03	LBD
Ethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
Hexachlorobutadiene	ND	0.60	0.24	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
2-Hexanone (MBK)	ND	10	1.2	µg/L	1	V-05	SW-846 8260D	6/5/25	6/6/25 16:03	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
Methyl Acetate	ND	1.0	0.40	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
Methyl Cyclohexane	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
Methylene Chloride	ND	5.0	0.17	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.2	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
Naphthalene	ND	2.0	0.21	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
Styrene	ND	1.0	0.16	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.11	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
Tetrachloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
Tetrahydrofuran	ND	10	0.48	µg/L	1	V-05	SW-846 8260D	6/5/25	6/6/25 16:03	LBD
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.21	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
1,2,4-Trichlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
1,3,5-Trichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
1,1,2-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
Trichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.16	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
1,2,3-Trichloropropane	ND	2.0	0.23	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
1,2,4-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
1,3,5-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
Vinyl Chloride	ND	2.0	0.22	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
m+p Xylene	ND	2.0	0.30	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:03	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	88.6	70-130		6/6/25 16:03
Toluene-d8	93.4	70-130		6/6/25 16:03
4-Bromofluorobenzene	101	70-130		6/6/25 16:03

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25F0265

Date Received: 6/4/2025

Field Sample #: MW-5 | Sampled: 6/3/2025 13:30

Sample ID: 25F0265-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.9	0.86	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
Acenaphthylene	ND	4.9	0.72	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
Acetophenone	ND	9.8	0.71	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
Aniline	ND	20	12	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
Anthracene	ND	4.9	0.64	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
Benzidine	ND	20	12	µg/L	1	L-04	SW-846 8270E	6/5/25	6/9/25 22:15	BGL
Benzo(a)anthracene	ND	4.9	0.60	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
Benzo(a)pyrene	ND	4.9	0.71	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
Benzo(b)fluoranthene	ND	4.9	0.60	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
Benzo(g,h,i)perylene	ND	4.9	0.83	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
Benzo(k)fluoranthene	ND	4.9	0.66	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
Benzoic Acid	ND	20	18	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
Bis(2-chloroethoxy)methane	ND	9.8	0.72	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
Bis(2-chloroethyl)ether	ND	9.8	0.83	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
2,2'-oxybis(1-Chloropropane)	ND	9.8	0.64	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.8	2.1	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
4-Bromophenylphenylether	ND	9.8	0.72	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
Butylbenzylphthalate	ND	9.8	0.78	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
Carbazole	ND	9.8	0.67	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
4-Chloroaniline	ND	9.8	4.1	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
4-Chloro-3-methylphenol	ND	9.8	2.4	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
2-Chloronaphthalene	ND	9.8	0.75	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
2-Chlorophenol	ND	9.8	0.79	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
4-Chlorophenylphenylether	ND	9.8	0.83	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
Chrysene	ND	4.9	0.73	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
Dibenz(a,h)anthracene	ND	4.9	0.80	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
Dibenzofuran	ND	4.9	0.77	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
Di-n-butylphthalate	ND	9.8	4.6	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
1,2-Dichlorobenzene	ND	4.9	0.98	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
1,3-Dichlorobenzene	ND	4.9	0.95	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
1,4-Dichlorobenzene	ND	4.9	1.0	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
3,3-Dichlorobenzidine	ND	9.8	3.4	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
2,4-Dichlorophenol	ND	9.8	2.2	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
Diethylphthalate	ND	9.8	1.6	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
2,4-Dimethylphenol	ND	9.8	0.67	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
Dimethylphthalate	ND	9.8	0.64	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
4,6-Dinitro-2-methylphenol	ND	20	2.6	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
2,4-Dinitrophenol	ND	20	3.2	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
2,4-Dinitrotoluene	ND	9.8	1.8	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
2,6-Dinitrotoluene	ND	9.8	1.8	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
Di-n-octylphthalate	ND	9.8	3.0	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
1,2-Diphenylhydrazine/Azobenzene	ND	9.8	0.59	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
Fluoranthene	ND	4.9	0.77	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
Fluorene	ND	4.9	0.70	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25F0265

Date Received: 6/4/2025

Field Sample #: MW-5 | Sampled: 6/3/2025 13:30

Sample ID: 25F0265-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	9.8	0.74	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
Hexachlorobutadiene	ND	9.8	4.6	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
Hexachlorocyclopentadiene	ND	9.8	4.4	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
Hexachloroethane	ND	9.8	4.7	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
Indeno(1,2,3-cd)pyrene	ND	4.9	0.81	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
Isophorone	ND	9.8	0.86	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
1-Methylnaphthalene	ND	4.9	0.94	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
2-Methylnaphthalene	ND	4.9	0.88	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
2-Methylphenol	ND	9.8	0.72	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
3/4-Methylphenol	ND	9.8	2.1	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
Naphthalene	ND	4.9	0.92	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
2-Nitroaniline	ND	9.8	3.2	µg/L	1	V-35	SW-846 8270E	6/5/25	6/9/25 22:15	BGL
3-Nitroaniline	ND	9.8	2.5	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
4-Nitroaniline	ND	9.8	2.3	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
Nitrobenzene	ND	9.8	0.92	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
2-Nitrophenol	ND	9.8	2.8	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
4-Nitrophenol	ND	9.8	1.2	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
N-Nitrosodimethylamine	ND	9.8	3.5	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.8	0.56	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
N-Nitrosodi-n-propylamine	ND	9.8	2.3	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
Pentachloronitrobenzene	ND	9.8	1.6	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
Pentachlorophenol	ND	9.8	3.4	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
Phenanthrene	ND	4.9	0.69	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
Phenol	ND	9.8	1.5	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
Pyrene	ND	4.9	0.61	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
Pyridine	ND	20	7.1	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.8	1.0	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
1,2,4-Trichlorobenzene	ND	4.9	1.1	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
2,4,5-Trichlorophenol	ND	9.8	0.79	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL
2,4,6-Trichlorophenol	ND	9.8	0.59	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:15	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	40.2	15-110		6/9/25 22:15
Phenol-d6	28.9	15-110		6/9/25 22:15
Nitrobenzene-d5	65.3	30-130		6/9/25 22:15
2-Fluorobiphenyl	60.0	30-130		6/9/25 22:15
2,4,6-Tribromophenol	64.6	15-110		6/9/25 22:15
p-Terphenyl-d14	76.2	30-130		6/9/25 22:15

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25F0265

Date Received: 6/4/2025

Field Sample #: MW-8 | Sampled: 6/3/2025 15:15

Sample ID: 25F0265-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	2.0	50	1.9	µg/L	1	J	SW-846 8260D	6/5/25	6/6/25 16:29	LBD
Acrylonitrile	ND	5.0	1.2	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.11	µg/L	1	V-05	SW-846 8260D	6/5/25	6/6/25 16:29	LBD
Benzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
Bromobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
Bromochloromethane	ND	1.0	0.34	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
Bromoform	ND	1.0	0.32	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
Bromomethane	ND	2.0	0.91	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
2-Butanone (MEK)	ND	20	1.5	µg/L	1	V-05	SW-846 8260D	6/5/25	6/6/25 16:29	LBD
tert-Butyl Alcohol (TBA)	ND	20	3.8	µg/L	1	V-05	SW-846 8260D	6/5/25	6/6/25 16:29	LBD
n-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
sec-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.12	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
Carbon Tetrachloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
Chlorodibromomethane	ND	0.50	0.12	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
Chloroethane	ND	2.0	0.43	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
Chloromethane	ND	2.0	0.39	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
4-Chlorotoluene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.62	µg/L	1	V-05	SW-846 8260D	6/5/25	6/6/25 16:29	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.12	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
Dibromomethane	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
1,4-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	1.4	µg/L	1	V-05	SW-846 8260D	6/5/25	6/6/25 16:29	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.23	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
1,1-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
1,2-Dichloroethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
1,1-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
cis-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
1,2-Dichloropropane	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
2,2-Dichloropropane	ND	1.0	0.30	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
1,1-Dichloropropene	ND	2.0	0.17	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
trans-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
Diethyl Ether	ND	2.0	0.15	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25F0265

Date Received: 6/4/2025

Field Sample #: MW-8 | Sampled: 6/3/2025 15:15

Sample ID: 25F0265-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.21	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
1,4-Dioxane	ND	50	14	µg/L	1	V-05	SW-846 8260D	6/5/25	6/6/25 16:29	LBD
Ethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
Hexachlorobutadiene	ND	0.60	0.24	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
2-Hexanone (MBK)	ND	10	1.2	µg/L	1	V-05	SW-846 8260D	6/5/25	6/6/25 16:29	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
Methyl Acetate	ND	1.0	0.40	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
Methyl Cyclohexane	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
Methylene Chloride	ND	5.0	0.17	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.2	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
Naphthalene	ND	2.0	0.21	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
Styrene	ND	1.0	0.16	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.11	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
Tetrachloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
Tetrahydrofuran	ND	10	0.48	µg/L	1	V-05	SW-846 8260D	6/5/25	6/6/25 16:29	LBD
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.21	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
1,2,4-Trichlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
1,3,5-Trichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
1,1,2-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
Trichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.16	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
1,2,3-Trichloropropane	ND	2.0	0.23	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
1,2,4-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
1,3,5-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
Vinyl Chloride	ND	2.0	0.22	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
m+p Xylene	ND	2.0	0.30	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	6/5/25	6/6/25 16:29	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	88.0	70-130		6/6/25 16:29
Toluene-d8	93.6	70-130		6/6/25 16:29
4-Bromofluorobenzene	101	70-130		6/6/25 16:29

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25F0265

Date Received: 6/4/2025

Field Sample #: MW-8 | Sampled: 6/3/2025 15:15

Sample ID: 25F0265-06

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.8	0.84	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
Acenaphthylene	ND	4.8	0.71	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
Acetophenone	ND	9.6	0.70	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
Aniline	ND	19	12	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
Anthracene	ND	4.8	0.62	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
Benzidine	ND	19	12	µg/L	1	L-04	SW-846 8270E	6/5/25	6/9/25 22:35	BGL
Benzo(a)anthracene	ND	4.8	0.58	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
Benzo(a)pyrene	ND	4.8	0.70	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
Benzo(b)fluoranthene	ND	4.8	0.59	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
Benzo(g,h,i)perylene	ND	4.8	0.81	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
Benzo(k)fluoranthene	ND	4.8	0.64	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
Benzoic Acid	ND	19	18	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
Bis(2-chloroethoxy)methane	ND	9.6	0.71	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
Bis(2-chloroethyl)ether	ND	9.6	0.81	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
2,2'-oxybis(1-Chloropropane)	ND	9.6	0.63	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.6	2.1	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
4-Bromophenylphenylether	ND	9.6	0.71	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
Butylbenzylphthalate	ND	9.6	0.76	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
Carbazole	ND	9.6	0.65	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
4-Chloroaniline	ND	9.6	4.0	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
4-Chloro-3-methylphenol	ND	9.6	2.4	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
2-Chloronaphthalene	ND	9.6	0.73	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
2-Chlorophenol	ND	9.6	0.77	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
4-Chlorophenylphenylether	ND	9.6	0.81	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
Chrysene	ND	4.8	0.72	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
Dibenz(a,h)anthracene	ND	4.8	0.79	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
Dibenzofuran	ND	4.8	0.75	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
Di-n-butylphthalate	ND	9.6	4.5	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
1,2-Dichlorobenzene	ND	4.8	0.96	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
1,3-Dichlorobenzene	ND	4.8	0.93	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
1,4-Dichlorobenzene	ND	4.8	1.0	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
3,3-Dichlorobenzidine	ND	9.6	3.3	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
2,4-Dichlorophenol	ND	9.6	2.2	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
Diethylphthalate	ND	9.6	1.6	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
2,4-Dimethylphenol	ND	9.6	0.66	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
Dimethylphthalate	ND	9.6	0.63	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
4,6-Dinitro-2-methylphenol	ND	19	2.5	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
2,4-Dinitrophenol	ND	19	3.1	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
2,4-Dinitrotoluene	ND	9.6	1.8	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
2,6-Dinitrotoluene	ND	9.6	1.7	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
Di-n-octylphthalate	ND	9.6	2.9	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
1,2-Diphenylhydrazine/Azobenzene	ND	9.6	0.58	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
Fluoranthene	ND	4.8	0.76	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
Fluorene	ND	4.8	0.69	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol, VT | Sample Description: | Work Order: 25F0265

Date Received: 6/4/2025

Field Sample #: MW-8 | Sampled: 6/3/2025 15:15

Sample ID: 25F0265-06

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	9.6	0.73	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
Hexachlorobutadiene	ND	9.6	4.5	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
Hexachlorocyclopentadiene	ND	9.6	4.3	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
Hexachloroethane	ND	9.6	4.6	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
Indeno(1,2,3-cd)pyrene	ND	4.8	0.79	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
Isophorone	ND	9.6	0.84	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
1-Methylnaphthalene	ND	4.8	0.92	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
2-Methylnaphthalene	ND	4.8	0.87	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
2-Methylphenol	ND	9.6	0.70	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
3/4-Methylphenol	ND	9.6	2.0	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
Naphthalene	ND	4.8	0.90	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
2-Nitroaniline	ND	9.6	3.1	µg/L	1	V-35	SW-846 8270E	6/5/25	6/9/25 22:35	BGL
3-Nitroaniline	ND	9.6	2.5	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
4-Nitroaniline	ND	9.6	2.3	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
Nitrobenzene	ND	9.6	0.90	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
2-Nitrophenol	ND	9.6	2.7	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
4-Nitrophenol	ND	9.6	1.2	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
N-Nitrosodimethylamine	ND	9.6	3.4	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.6	0.55	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
N-Nitrosodi-n-propylamine	ND	9.6	2.2	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
Pentachloronitrobenzene	ND	9.6	1.5	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
Pentachlorophenol	ND	9.6	3.3	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
Phenanthrene	ND	4.8	0.67	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
Phenol	ND	9.6	1.4	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
Pyrene	ND	4.8	0.60	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
Pyridine	ND	19	6.9	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.6	0.99	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
1,2,4-Trichlorobenzene	ND	4.8	1.0	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
2,4,5-Trichlorophenol	ND	9.6	0.77	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL
2,4,6-Trichlorophenol	ND	9.6	0.58	µg/L	1		SW-846 8270E	6/5/25	6/9/25 22:35	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	46.5	15-110		6/9/25 22:35
Phenol-d6	34.9	15-110		6/9/25 22:35
Nitrobenzene-d5	72.7	30-130		6/9/25 22:35
2-Fluorobiphenyl	69.2	30-130		6/9/25 22:35
2,4,6-Tribromophenol	77.1	15-110		6/9/25 22:35
p-Terphenyl-d14	88.2	30-130		6/9/25 22:35

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Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25F0265-01 [TB]	B406733	5	5.00	06/05/25
25F0265-02 [DUP]	B406733	5	5.00	06/05/25
25F0265-03 [MW-7]	B406733	5	5.00	06/05/25
25F0265-04 [MW-4]	B406733	5	5.00	06/05/25
25F0265-05 [MW-5]	B406733	5	5.00	06/05/25
25F0265-06 [MW-8]	B406733	5	5.00	06/05/25

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25F0265-03 [MW-7]	B406722	105	1.00	06/05/25
25F0265-04 [MW-4]	B406722	103	1.00	06/05/25
25F0265-05 [MW-5]	B406722	102	1.00	06/05/25
25F0265-06 [MW-8]	B406722	104	1.00	06/05/25

Pace Analytical Services, LLC - East Longmeadow, Ma

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B406733 - SW-846 5030B											
Blank (B406733-BLK1)					Prepared: 06/05/25 Analyzed: 06/06/25						
Acetone	ND	50	1.9	µg/L							
Acrylonitrile	ND	5.0	1.2	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.11	µg/L							V-05
Benzene	ND	1.0	0.19	µg/L							
Bromobenzene	ND	1.0	0.12	µg/L							
Bromochloromethane	ND	1.0	0.34	µg/L							
Bromodichloromethane	ND	0.50	0.14	µg/L							
Bromoform	ND	1.0	0.32	µg/L							
Bromomethane	ND	2.0	0.91	µg/L							
2-Butanone (MEK)	ND	20	1.5	µg/L							V-05
tert-Butyl Alcohol (TBA)	ND	20	3.8	µg/L							V-05
n-Butylbenzene	ND	1.0	0.14	µg/L							
sec-Butylbenzene	ND	1.0	0.14	µg/L							
tert-Butylbenzene	ND	1.0	0.13	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.12	µg/L							
Carbon Disulfide	ND	5.0	1.6	µg/L							
Carbon Tetrachloride	ND	5.0	0.18	µg/L							
Chlorobenzene	ND	1.0	0.12	µg/L							
Chlorodibromomethane	ND	0.50	0.12	µg/L							
Chloroethane	ND	2.0	0.43	µg/L							
Chloroform	ND	2.0	0.14	µg/L							
Chloromethane	ND	2.0	0.39	µg/L							
2-Chlorotoluene	ND	1.0	0.11	µg/L							
4-Chlorotoluene	ND	1.0	0.14	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.62	µg/L							V-05
1,2-Dibromoethane (EDB)	ND	0.50	0.12	µg/L							
Dibromomethane	ND	1.0	0.20	µg/L							
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L							
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L							
1,4-Dichlorobenzene	ND	1.0	0.14	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	1.4	µg/L							V-05
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.23	µg/L							
1,1-Dichloroethane	ND	1.0	0.19	µg/L							
1,2-Dichloroethane	ND	1.0	0.28	µg/L							
1,1-Dichloroethylene	ND	1.0	0.15	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	0.19	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	0.19	µg/L							
1,2-Dichloropropane	ND	1.0	0.20	µg/L							
1,3-Dichloropropane	ND	0.50	0.13	µg/L							
2,2-Dichloropropane	ND	1.0	0.30	µg/L							
1,1-Dichloropropene	ND	2.0	0.17	µg/L							
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L							
trans-1,3-Dichloropropene	ND	0.50	0.16	µg/L							
Diethyl Ether	ND	2.0	0.15	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	0.21	µg/L							
1,4-Dioxane	ND	50	14	µg/L							V-05
Ethylbenzene	ND	1.0	0.11	µg/L							
Hexachlorobutadiene	ND	0.60	0.24	µg/L							
2-Hexanone (MBK)	ND	10	1.2	µg/L							V-05
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L							

Pace Analytical Services, LLC - East Longmeadow, Ma

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B406733 - SW-846 5030B												
Blank (B406733-BLK1)					Prepared: 06/05/25 Analyzed: 06/06/25							
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.14	µg/L								
Methyl Acetate	ND	1.0	0.40	µg/L								
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.11	µg/L								
Methyl Cyclohexane	ND	1.0	0.17	µg/L								
Methylene Chloride	ND	5.0	0.17	µg/L								
4-Methyl-2-pentanone (MIBK)	ND	10	1.2	µg/L								
Naphthalene	ND	2.0	0.21	µg/L								
n-Propylbenzene	ND	1.0	0.11	µg/L								
Styrene	ND	1.0	0.16	µg/L								
1,1,1,2-Tetrachloroethane	ND	1.0	0.15	µg/L								
1,1,2,2-Tetrachloroethane	ND	0.50	0.11	µg/L								
Tetrachloroethylene	ND	1.0	0.15	µg/L								
Tetrahydrofuran	ND	10	0.48	µg/L							V-05	
Toluene	ND	1.0	0.11	µg/L								
1,2,3-Trichlorobenzene	ND	5.0	0.21	µg/L								
1,2,4-Trichlorobenzene	ND	1.0	0.18	µg/L								
1,3,5-Trichlorobenzene	ND	1.0	0.13	µg/L								
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L								
1,1,2-Trichloroethane	ND	1.0	0.15	µg/L								
Trichloroethylene	ND	1.0	0.16	µg/L								
Trichlorofluoromethane (Freon 11)	ND	2.0	0.16	µg/L								
1,2,3-Trichloropropane	ND	2.0	0.23	µg/L								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.15	µg/L								
1,2,4-Trimethylbenzene	ND	1.0	0.15	µg/L								
1,3,5-Trimethylbenzene	ND	1.0	0.16	µg/L								
Vinyl Chloride	ND	2.0	0.22	µg/L								
m+p Xylene	ND	2.0	0.30	µg/L								
o-Xylene	ND	1.0	0.16	µg/L								
Surrogate: 1,2-Dichloroethane-d4	*21.9*			µg/L	25.00		87.5	70-130				
Surrogate: Toluene-d8	*23.1*			µg/L	25.00		92.3	70-130				
Surrogate: 4-Bromofluorobenzene	*25.0*			µg/L	25.00		99.9	70-130				
LCS (B406733-BS1)					Prepared: 06/05/25 Analyzed: 06/06/25							
Acetone	85.7	50	1.9	µg/L	100.0		85.7	70-160				†
Acrylonitrile	8.95	5.0	1.2	µg/L	10.00		89.5	70-130				
tert-Amyl Methyl Ether (TAME)	7.65	0.50	0.11	µg/L	10.00		76.5	70-130			V-05	
Benzene	8.91	1.0	0.19	µg/L	10.00		89.1	70-130				
Bromobenzene	10.1	1.0	0.12	µg/L	10.00		101	70-130				
Bromochloromethane	10.2	1.0	0.34	µg/L	10.00		102	70-130				
Bromodichloromethane	9.33	0.50	0.14	µg/L	10.00		93.3	70-130				
Bromoform	9.33	1.0	0.32	µg/L	10.00		93.3	70-130				
Bromomethane	7.46	2.0	0.91	µg/L	10.00		74.6	40-160				†
2-Butanone (MEK)	77.6	20	1.5	µg/L	100.0		77.6	40-160			V-05	†
tert-Butyl Alcohol (TBA)	75.9	20	3.8	µg/L	100.0		75.9	40-160			V-05	†
n-Butylbenzene	9.20	1.0	0.14	µg/L	10.00		92.0	70-130				
sec-Butylbenzene	8.98	1.0	0.14	µg/L	10.00		89.8	70-130				
tert-Butylbenzene	9.76	1.0	0.13	µg/L	10.00		97.6	70-130				
tert-Butyl Ethyl Ether (TBEE)	8.46	0.50	0.12	µg/L	10.00		84.6	70-130				
Carbon Disulfide	80.5	5.0	1.6	µg/L	100.0		80.5	70-130				

Pace Analytical Services, LLC - East Longmeadow, Ma

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B406733 - SW-846 5030B												
LCS (B406733-BS1)					Prepared: 06/05/25 Analyzed: 06/06/25							
Carbon Tetrachloride	8.20	5.0	0.18	µg/L	10.00		82.0	70-130				
Chlorobenzene	11.3	1.0	0.12	µg/L	10.00		113	70-130				
Chlorodibromomethane	9.18	0.50	0.12	µg/L	10.00		91.8	70-130				
Chloroethane	9.23	2.0	0.43	µg/L	10.00		92.3	70-130				
Chloroform	8.98	2.0	0.14	µg/L	10.00		89.8	70-130				
Chloromethane	8.16	2.0	0.39	µg/L	10.00		81.6	40-160				†
2-Chlorotoluene	10.6	1.0	0.11	µg/L	10.00		106	70-130				
4-Chlorotoluene	10.9	1.0	0.14	µg/L	10.00		109	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	7.55	5.0	0.62	µg/L	10.00		75.5	70-130			V-05	
1,2-Dibromoethane (EDB)	10.0	0.50	0.12	µg/L	10.00		100	70-130				
Dibromomethane	9.52	1.0	0.20	µg/L	10.00		95.2	70-130				
1,2-Dichlorobenzene	10.4	1.0	0.13	µg/L	10.00		104	70-130				
1,3-Dichlorobenzene	10.4	1.0	0.14	µg/L	10.00		104	70-130				
1,4-Dichlorobenzene	10.3	1.0	0.14	µg/L	10.00		103	70-130				
trans-1,4-Dichloro-2-butene	8.05	2.0	1.4	µg/L	10.00		80.5	70-130			V-05	
Dichlorodifluoromethane (Freon 12)	10.5	2.0	0.23	µg/L	10.00		105	40-160				†
1,1-Dichloroethane	8.73	1.0	0.19	µg/L	10.00		87.3	70-130				
1,2-Dichloroethane	10.2	1.0	0.28	µg/L	10.00		102	70-130				
1,1-Dichloroethylene	9.62	1.0	0.15	µg/L	10.00		96.2	70-130				
cis-1,2-Dichloroethylene	9.12	1.0	0.19	µg/L	10.00		91.2	70-130				
trans-1,2-Dichloroethylene	9.00	1.0	0.19	µg/L	10.00		90.0	70-130				
1,2-Dichloropropane	9.58	1.0	0.20	µg/L	10.00		95.8	70-130				
1,3-Dichloropropane	9.55	0.50	0.13	µg/L	10.00		95.5	70-130				
2,2-Dichloropropane	7.92	1.0	0.30	µg/L	10.00		79.2	40-130				†
1,1-Dichloropropene	8.81	2.0	0.17	µg/L	10.00		88.1	70-130				
cis-1,3-Dichloropropene	8.71	0.50	0.16	µg/L	10.00		87.1	70-130				
trans-1,3-Dichloropropene	8.54	0.50	0.16	µg/L	10.00		85.4	70-130				
Diethyl Ether	9.69	2.0	0.15	µg/L	10.00		96.9	70-130				
Diisopropyl Ether (DIPE)	8.84	0.50	0.21	µg/L	10.00		88.4	70-130				
1,4-Dioxane	81.3	50	14	µg/L	100.0		81.3	40-130			V-05	†
Ethylbenzene	10.7	1.0	0.11	µg/L	10.00		107	70-130				
Hexachlorobutadiene	11.2	0.60	0.24	µg/L	10.00		112	70-130				
2-Hexanone (MBK)	80.6	10	1.2	µg/L	100.0		80.6	70-160			V-05	†
Isopropylbenzene (Cumene)	10.8	1.0	0.16	µg/L	10.00		108	70-130				
p-Isopropyltoluene (p-Cymene)	9.72	1.0	0.14	µg/L	10.00		97.2	70-130				
Methyl Acetate	8.81	1.0	0.40	µg/L	10.00		88.1	70-130				
Methyl tert-Butyl Ether (MTBE)	8.33	1.0	0.11	µg/L	10.00		83.3	70-130				
Methyl Cyclohexane	9.54	1.0	0.17	µg/L	10.00		95.4	70-130				
Methylene Chloride	8.95	5.0	0.17	µg/L	10.00		89.5	70-130				
4-Methyl-2-pentanone (MIBK)	83.6	10	1.2	µg/L	100.0		83.6	70-160				†
Naphthalene	8.17	2.0	0.21	µg/L	10.00		81.7	40-130				†
n-Propylbenzene	10.8	1.0	0.11	µg/L	10.00		108	70-130				
Styrene	11.0	1.0	0.16	µg/L	10.00		110	70-130				
1,1,1,2-Tetrachloroethane	11.7	1.0	0.15	µg/L	10.00		117	70-130				
1,1,2,2-Tetrachloroethane	10.8	0.50	0.11	µg/L	10.00		108	70-130				
Tetrachloroethylene	10.7	1.0	0.15	µg/L	10.00		107	70-130				
Tetrahydrofuran	8.21	10	0.48	µg/L	10.00		82.1	70-130			V-05, J	
Toluene	9.39	1.0	0.11	µg/L	10.00		93.9	70-130				
1,2,3-Trichlorobenzene	9.22	5.0	0.21	µg/L	10.00		92.2	70-130				
1,2,4-Trichlorobenzene	9.64	1.0	0.18	µg/L	10.00		96.4	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B406733 - SW-846 5030B												
LCS (B406733-BS1)					Prepared: 06/05/25 Analyzed: 06/06/25							
1,3,5-Trichlorobenzene	10.5	1.0	0.13	µg/L	10.00		105	70-130				
1,1,1-Trichloroethane	8.91	1.0	0.15	µg/L	10.00		89.1	70-130				
1,1,2-Trichloroethane	9.86	1.0	0.15	µg/L	10.00		98.6	70-130				
Trichloroethylene	9.86	1.0	0.16	µg/L	10.00		98.6	70-130				
Trichlorofluoromethane (Freon 11)	9.37	2.0	0.16	µg/L	10.00		93.7	70-130				
1,2,3-Trichloropropane	12.6	2.0	0.23	µg/L	10.00		126	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.63	1.0	0.15	µg/L	10.00		96.3	70-130				
1,2,4-Trimethylbenzene	9.52	1.0	0.15	µg/L	10.00		95.2	70-130				
1,3,5-Trimethylbenzene	11.0	1.0	0.16	µg/L	10.00		110	70-130				
Vinyl Chloride	9.46	2.0	0.22	µg/L	10.00		94.6	40-160				†
m+p Xylene	21.7	2.0	0.30	µg/L	20.00		108	70-130				
o-Xylene	10.8	1.0	0.16	µg/L	10.00		108	70-130				
Surrogate: 1,2-Dichloroethane-d4	*21.4*			µg/L	25.00		85.6	70-130				
Surrogate: Toluene-d8	*23.9*			µg/L	25.00		95.4	70-130				
Surrogate: 4-Bromofluorobenzene	*25.6*			µg/L	25.00		102	70-130				
LCS Dup (B406733-BSD1)					Prepared: 06/05/25 Analyzed: 06/06/25							
Acetone	87.8	50	1.9	µg/L	100.0		87.8	70-160	2.40	25		†
Acrylonitrile	8.73	5.0	1.2	µg/L	10.00		87.3	70-130	2.49	25		
tert-Amyl Methyl Ether (TAME)	8.17	0.50	0.11	µg/L	10.00		81.7	70-130	6.57	25	V-05	
Benzene	9.23	1.0	0.19	µg/L	10.00		92.3	70-130	3.53	25		
Bromobenzene	10.3	1.0	0.12	µg/L	10.00		103	70-130	2.15	25		
Bromochloromethane	10.6	1.0	0.34	µg/L	10.00		106	70-130	4.24	25		
Bromodichloromethane	9.32	0.50	0.14	µg/L	10.00		93.2	70-130	0.107	25		
Bromoform	9.42	1.0	0.32	µg/L	10.00		94.2	70-130	0.960	25		
Bromomethane	8.29	2.0	0.91	µg/L	10.00		82.9	40-160	10.5	25		†
2-Butanone (MEK)	78.7	20	1.5	µg/L	100.0		78.7	40-160	1.37	25	V-05	†
tert-Butyl Alcohol (TBA)	73.4	20	3.8	µg/L	100.0		73.4	40-160	3.35	25	V-05	†
n-Butylbenzene	9.63	1.0	0.14	µg/L	10.00		96.3	70-130	4.57	25		
sec-Butylbenzene	9.50	1.0	0.14	µg/L	10.00		95.0	70-130	5.63	25		
tert-Butylbenzene	10.3	1.0	0.13	µg/L	10.00		103	70-130	5.29	25		
tert-Butyl Ethyl Ether (TBEE)	8.60	0.50	0.12	µg/L	10.00		86.0	70-130	1.64	25		
Carbon Disulfide	84.9	5.0	1.6	µg/L	100.0		84.9	70-130	5.36	25		
Carbon Tetrachloride	8.71	5.0	0.18	µg/L	10.00		87.1	70-130	6.03	25		
Chlorobenzene	11.3	1.0	0.12	µg/L	10.00		113	70-130	0.0887	25		
Chlorodibromomethane	9.28	0.50	0.12	µg/L	10.00		92.8	70-130	1.08	25		
Chloroethane	9.57	2.0	0.43	µg/L	10.00		95.7	70-130	3.62	25		
Chloroform	9.23	2.0	0.14	µg/L	10.00		92.3	70-130	2.75	25		
Chloromethane	8.53	2.0	0.39	µg/L	10.00		85.3	40-160	4.43	25		†
2-Chlorotoluene	10.9	1.0	0.11	µg/L	10.00		109	70-130	2.69	25		
4-Chlorotoluene	11.0	1.0	0.14	µg/L	10.00		110	70-130	0.915	25		
1,2-Dibromo-3-chloropropane (DBCP)	7.81	5.0	0.62	µg/L	10.00		78.1	70-130	3.39	25	V-05	
1,2-Dibromoethane (EDB)	10.2	0.50	0.12	µg/L	10.00		102	70-130	1.48	25		
Dibromomethane	9.70	1.0	0.20	µg/L	10.00		97.0	70-130	1.87	25		
1,2-Dichlorobenzene	10.6	1.0	0.13	µg/L	10.00		106	70-130	2.10	25		
1,3-Dichlorobenzene	10.6	1.0	0.14	µg/L	10.00		106	70-130	2.38	25		
1,4-Dichlorobenzene	10.7	1.0	0.14	µg/L	10.00		107	70-130	3.43	25		
trans-1,4-Dichloro-2-butene	7.87	2.0	1.4	µg/L	10.00		78.7	70-130	2.26	25	V-05	
Dichlorodifluoromethane (Freon 12)	10.9	2.0	0.23	µg/L	10.00		109	40-160	3.91	25		†

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B406733 - SW-846 5030B												
LCS Dup (B406733-BSD1)					Prepared: 06/05/25 Analyzed: 06/06/25							
1,1-Dichloroethane	9.15	1.0	0.19	µg/L	10.00		91.5	70-130	4.70	25		
1,2-Dichloroethane	10.2	1.0	0.28	µg/L	10.00		102	70-130	0.195	25		
1,1-Dichloroethylene	10.4	1.0	0.15	µg/L	10.00		104	70-130	7.41	25		
cis-1,2-Dichloroethylene	9.38	1.0	0.19	µg/L	10.00		93.8	70-130	2.81	25		
trans-1,2-Dichloroethylene	9.28	1.0	0.19	µg/L	10.00		92.8	70-130	3.06	25		
1,2-Dichloropropane	9.60	1.0	0.20	µg/L	10.00		96.0	70-130	0.209	25		
1,3-Dichloropropane	9.57	0.50	0.13	µg/L	10.00		95.7	70-130	0.209	25		
2,2-Dichloropropane	8.05	1.0	0.30	µg/L	10.00		80.5	40-130	1.63	25		†
1,1-Dichloropropene	9.33	2.0	0.17	µg/L	10.00		93.3	70-130	5.73	25		
cis-1,3-Dichloropropene	8.91	0.50	0.16	µg/L	10.00		89.1	70-130	2.27	25		
trans-1,3-Dichloropropene	8.67	0.50	0.16	µg/L	10.00		86.7	70-130	1.51	25		
Diethyl Ether	9.64	2.0	0.15	µg/L	10.00		96.4	70-130	0.517	25		
Diisopropyl Ether (DIPE)	9.09	0.50	0.21	µg/L	10.00		90.9	70-130	2.79	25		
1,4-Dioxane	70.1	50	14	µg/L	100.0		70.1	40-130	14.8	50	V-05	† ‡
Ethylbenzene	11.1	1.0	0.11	µg/L	10.00		111	70-130	3.95	25		
Hexachlorobutadiene	11.5	0.60	0.24	µg/L	10.00		115	70-130	2.65	25		
2-Hexanone (MBK)	81.4	10	1.2	µg/L	100.0		81.4	70-160	1.05	25	V-05	†
Isopropylbenzene (Cumene)	11.2	1.0	0.16	µg/L	10.00		112	70-130	3.10	25		
p-Isopropyltoluene (p-Cymene)	10.1	1.0	0.14	µg/L	10.00		101	70-130	3.74	25		
Methyl Acetate	8.79	1.0	0.40	µg/L	10.00		87.9	70-130	0.227	25		
Methyl tert-Butyl Ether (MTBE)	8.46	1.0	0.11	µg/L	10.00		84.6	70-130	1.55	25		
Methyl Cyclohexane	9.93	1.0	0.17	µg/L	10.00		99.3	70-130	4.01	25		
Methylene Chloride	9.25	5.0	0.17	µg/L	10.00		92.5	70-130	3.30	25		
4-Methyl-2-pentanone (MIBK)	84.4	10	1.2	µg/L	100.0		84.4	70-160	0.941	25		†
Naphthalene	8.18	2.0	0.21	µg/L	10.00		81.8	40-130	0.122	25		†
n-Propylbenzene	11.1	1.0	0.11	µg/L	10.00		111	70-130	2.74	25		
Styrene	11.1	1.0	0.16	µg/L	10.00		111	70-130	1.36	25		
1,1,1,2-Tetrachloroethane	11.8	1.0	0.15	µg/L	10.00		118	70-130	1.36	25		
1,1,2,2-Tetrachloroethane	10.9	0.50	0.11	µg/L	10.00		109	70-130	1.10	25		
Tetrachloroethylene	11.2	1.0	0.15	µg/L	10.00		112	70-130	4.76	25		
Tetrahydrofuran	8.03	10	0.48	µg/L	10.00		80.3	70-130	2.22	25	V-05, J	
Toluene	9.68	1.0	0.11	µg/L	10.00		96.8	70-130	3.04	25		
1,2,3-Trichlorobenzene	9.38	5.0	0.21	µg/L	10.00		93.8	70-130	1.72	25		
1,2,4-Trichlorobenzene	10.0	1.0	0.18	µg/L	10.00		100	70-130	3.87	25		
1,3,5-Trichlorobenzene	10.6	1.0	0.13	µg/L	10.00		106	70-130	1.33	25		
1,1,1-Trichloroethane	9.24	1.0	0.15	µg/L	10.00		92.4	70-130	3.64	25		
1,1,2-Trichloroethane	10.2	1.0	0.15	µg/L	10.00		102	70-130	3.49	25		
Trichloroethylene	10.3	1.0	0.16	µg/L	10.00		103	70-130	4.27	25		
Trichlorofluoromethane (Freon 11)	10.4	2.0	0.16	µg/L	10.00		104	70-130	10.0	25		
1,2,3-Trichloropropane	12.1	2.0	0.23	µg/L	10.00		121	70-130	4.20	25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.3	1.0	0.15	µg/L	10.00		103	70-130	6.53	25		
1,2,4-Trimethylbenzene	9.96	1.0	0.15	µg/L	10.00		99.6	70-130	4.52	25		
1,3,5-Trimethylbenzene	11.4	1.0	0.16	µg/L	10.00		114	70-130	3.65	25		
Vinyl Chloride	9.68	2.0	0.22	µg/L	10.00		96.8	40-160	2.30	25		†
m+p Xylene	22.7	2.0	0.30	µg/L	20.00		113	70-130	4.37	25		
o-Xylene	11.1	1.0	0.16	µg/L	10.00		111	70-130	2.10	25		
Surrogate: 1,2-Dichloroethane-d4	*22.4*			µg/L	25.00		89.4	70-130				
Surrogate: Toluene-d8	*23.5*			µg/L	25.00		94.0	70-130				
Surrogate: 4-Bromofluorobenzene	*25.3*			µg/L	25.00		101	70-130				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B406722 - SW-846 3510C											
Blank (B406722-BLK1)					Prepared: 06/05/25 Analyzed: 06/09/25						
Acenaphthene	ND	5.0	0.87	µg/L							
Acenaphthylene	ND	5.0	0.74	µg/L							
Acetophenone	ND	10	0.73	µg/L							
Aniline	ND	20	13	µg/L							
Anthracene	ND	5.0	0.65	µg/L							
Benzidine	ND	20	12	µg/L							L-04
Benzo(a)anthracene	ND	5.0	0.61	µg/L							
Benzo(a)pyrene	ND	5.0	0.73	µg/L							
Benzo(b)fluoranthene	ND	5.0	0.61	µg/L							
Benzo(g,h,i)perylene	ND	5.0	0.85	µg/L							
Benzo(k)fluoranthene	ND	5.0	0.67	µg/L							
Benzoic Acid	ND	20	19	µg/L							
Bis(2-chloroethoxy)methane	ND	10	0.74	µg/L							
Bis(2-chloroethyl)ether	ND	10	0.85	µg/L							
2,2'-oxybis(1-Chloropropane)	ND	10	0.65	µg/L							
Bis(2-Ethylhexyl)phthalate	ND	10	2.2	µg/L							
4-Bromophenylphenylether	ND	10	0.74	µg/L							
Butylbenzylphthalate	ND	10	0.80	µg/L							
Carbazole	ND	10	0.68	µg/L							
4-Chloroaniline	ND	10	4.2	µg/L							
4-Chloro-3-methylphenol	ND	10	2.5	µg/L							
2-Chloronaphthalene	ND	10	0.76	µg/L							
2-Chlorophenol	ND	10	0.80	µg/L							
4-Chlorophenylphenylether	ND	10	0.85	µg/L							
Chrysene	ND	5.0	0.75	µg/L							
Dibenz(a,h)anthracene	ND	5.0	0.82	µg/L							
Dibenzofuran	ND	5.0	0.79	µg/L							
Di-n-butylphthalate	ND	10	4.7	µg/L							
1,2-Dichlorobenzene	ND	5.0	1.0	µg/L							
1,3-Dichlorobenzene	ND	5.0	0.97	µg/L							
1,4-Dichlorobenzene	ND	5.0	1.1	µg/L							
3,3-Dichlorobenzidine	ND	10	3.5	µg/L							
2,4-Dichlorophenol	ND	10	2.3	µg/L							
Diethylphthalate	ND	10	1.7	µg/L							
2,4-Dimethylphenol	ND	10	0.69	µg/L							
Dimethylphthalate	ND	10	0.66	µg/L							
4,6-Dinitro-2-methylphenol	ND	20	2.7	µg/L							
2,4-Dinitrophenol	ND	20	3.3	µg/L							
2,4-Dinitrotoluene	ND	10	1.9	µg/L							
2,6-Dinitrotoluene	ND	10	1.8	µg/L							
Di-n-octylphthalate	ND	10	3.0	µg/L							
1,2-Diphenylhydrazine/Azobenzene	ND	10	0.61	µg/L							
Fluoranthene	ND	5.0	0.79	µg/L							
Fluorene	ND	5.0	0.72	µg/L							
Hexachlorobenzene	ND	10	0.76	µg/L							
Hexachlorobutadiene	ND	10	4.7	µg/L							
Hexachlorocyclopentadiene	ND	10	4.5	µg/L							
Hexachloroethane	ND	10	4.8	µg/L							
Indeno(1,2,3-cd)pyrene	ND	5.0	0.82	µg/L							
Isophorone	ND	10	0.88	µg/L							

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B406722 - SW-846 3510C													
Blank (B406722-BLK1)					Prepared: 06/05/25 Analyzed: 06/09/25								
1-Methylnaphthalene	ND	5.0	0.96	µg/L									
2-Methylnaphthalene	ND	5.0	0.90	µg/L									
2-Methylphenol	ND	10	0.73	µg/L									
3/4-Methylphenol	ND	10	2.1	µg/L									
Naphthalene	ND	5.0	0.94	µg/L									
2-Nitroaniline	ND	10	3.3	µg/L								V-35	
3-Nitroaniline	ND	10	2.6	µg/L									
4-Nitroaniline	ND	10	2.4	µg/L									
Nitrobenzene	ND	10	0.94	µg/L									
2-Nitrophenol	ND	10	2.8	µg/L									
4-Nitrophenol	ND	10	1.2	µg/L									
N-Nitrosodimethylamine	ND	10	3.6	µg/L									
N-Nitrosodiphenylamine/Diphenylamine	ND	10	0.58	µg/L									
N-Nitrosodi-n-propylamine	ND	10	2.3	µg/L									
Pentachloronitrobenzene	ND	10	1.6	µg/L									
Pentachlorophenol	ND	10	3.5	µg/L									
Phenanthrene	ND	5.0	0.70	µg/L									
Phenol	ND	10	1.5	µg/L									
Pyrene	ND	5.0	0.62	µg/L									
Pyridine	ND	20	7.2	µg/L									
1,2,4,5-Tetrachlorobenzene	ND	10	1.0	µg/L									
1,2,4-Trichlorobenzene	ND	5.0	1.1	µg/L									
2,4,5-Trichlorophenol	ND	10	0.80	µg/L									
2,4,6-Trichlorophenol	ND	10	0.60	µg/L									
Surrogate: 2-Fluorophenol	*161*			µg/L	400.0		40.3		15-110				
Surrogate: Phenol-d6	*128*			µg/L	400.0		31.9		15-110				
Surrogate: Nitrobenzene-d5	*167*			µg/L	200.0		83.4		30-130				
Surrogate: 2-Fluorobiphenyl	*158*			µg/L	200.0		79.1		30-130				
Surrogate: 2,4,6-Tribromophenol	*286*			µg/L	400.0		71.5		15-110				
Surrogate: p-Terphenyl-d14	*195*			µg/L	200.0		97.4		30-130				
LCS (B406722-BS1)					Prepared: 06/05/25 Analyzed: 06/09/25								
Acenaphthene	80.5	5.0	0.87	µg/L	100.0		80.5		40-140				
Acenaphthylene	85.4	5.0	0.74	µg/L	100.0		85.4		40-140				
Acetophenone	85.4	10	0.73	µg/L	100.0		85.4		40-140				
Aniline	67.7	20	13	µg/L	100.0		67.7		40-140				
Anthracene	85.9	5.0	0.65	µg/L	100.0		85.9		40-140				
Benzidine	36.9	20	12	µg/L	100.0		**36.9**	*	40-140			L-04	
Benzo(a)anthracene	87.7	5.0	0.61	µg/L	100.0		87.7		40-140				
Benzo(a)pyrene	87.8	5.0	0.73	µg/L	100.0		87.8		40-140				
Benzo(b)fluoranthene	87.1	5.0	0.61	µg/L	100.0		87.1		40-140				
Benzo(g,h,i)perylene	93.2	5.0	0.85	µg/L	100.0		93.2		40-140				
Benzo(k)fluoranthene	89.6	5.0	0.67	µg/L	100.0		89.6		40-140				
Benzoic Acid	21.2	20	19	µg/L	100.0		21.2		10-130				†
Bis(2-chloroethoxy)methane	84.1	10	0.74	µg/L	100.0		84.1		40-140				
Bis(2-chloroethyl)ether	81.5	10	0.85	µg/L	100.0		81.5		40-140				
2,2'-oxybis(1-Chloropropane)	88.1	10	0.65	µg/L	100.0		88.1		40-140				
Bis(2-Ethylhexyl)phthalate	80.0	10	2.2	µg/L	100.0		80.0		40-140				
4-Bromophenylphenylether	79.3	10	0.74	µg/L	100.0		79.3		40-140				
Butylbenzylphthalate	92.0	10	0.80	µg/L	100.0		92.0		40-140				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B406722 - SW-846 3510C												
LCS (B406722-BS1)					Prepared: 06/05/25 Analyzed: 06/09/25							
Carbazole	89.2	10	0.68	µg/L	100.0		89.2	40-140				
4-Chloroaniline	85.2	10	4.2	µg/L	100.0		85.2	40-140				
4-Chloro-3-methylphenol	84.8	10	2.5	µg/L	100.0		84.8	30-130				
2-Chloronaphthalene	72.8	10	0.76	µg/L	100.0		72.8	40-140				
2-Chlorophenol	80.4	10	0.80	µg/L	100.0		80.4	30-130				
4-Chlorophenylphenylether	78.6	10	0.85	µg/L	100.0		78.6	40-140				
Chrysene	85.9	5.0	0.75	µg/L	100.0		85.9	40-140				
Dibenz(a,h)anthracene	90.5	5.0	0.82	µg/L	100.0		90.5	40-140				
Dibenzofuran	85.5	5.0	0.79	µg/L	100.0		85.5	40-140				
Di-n-butylphthalate	82.8	10	4.7	µg/L	100.0		82.8	40-140				
1,2-Dichlorobenzene	46.1	5.0	1.0	µg/L	100.0		46.1	40-140				
1,3-Dichlorobenzene	42.6	5.0	0.97	µg/L	100.0		42.6	40-140				
1,4-Dichlorobenzene	43.7	5.0	1.1	µg/L	100.0		43.7	40-140				
3,3-Dichlorobenzidine	103	10	3.5	µg/L	100.0		103	40-140				
2,4-Dichlorophenol	85.2	10	2.3	µg/L	100.0		85.2	30-130				
Diethylphthalate	81.5	10	1.7	µg/L	100.0		81.5	40-140				
2,4-Dimethylphenol	88.7	10	0.69	µg/L	100.0		88.7	30-130				
Dimethylphthalate	82.5	10	0.66	µg/L	100.0		82.5	40-140				
4,6-Dinitro-2-methylphenol	80.0	20	2.7	µg/L	100.0		80.0	30-130				
2,4-Dinitrophenol	68.4	20	3.3	µg/L	100.0		68.4	30-130				
2,4-Dinitrotoluene	93.9	10	1.9	µg/L	100.0		93.9	40-140				
2,6-Dinitrotoluene	97.0	10	1.8	µg/L	100.0		97.0	40-140				
Di-n-octylphthalate	71.5	10	3.0	µg/L	100.0		71.5	40-140				
1,2-Diphenylhydrazine/Azobenzene	91.0	10	0.61	µg/L	100.0		91.0	40-140				
Fluoranthene	86.9	5.0	0.79	µg/L	100.0		86.9	40-140				
Fluorene	86.6	5.0	0.72	µg/L	100.0		86.6	40-140				
Hexachlorobenzene	83.9	10	0.76	µg/L	100.0		83.9	40-140				
Hexachlorobutadiene	46.6	10	4.7	µg/L	100.0		46.6	40-140				
Hexachlorocyclopentadiene	66.7	10	4.5	µg/L	100.0		66.7	30-140				†
Hexachloroethane	40.4	10	4.8	µg/L	100.0		40.4	40-140				
Indeno(1,2,3-cd)pyrene	94.2	5.0	0.82	µg/L	100.0		94.2	40-140				
Isophorone	94.1	10	0.88	µg/L	100.0		94.1	40-140				
1-Methylnaphthalene	73.5	5.0	0.96	µg/L	100.0		73.5	40-140				
2-Methylnaphthalene	68.0	5.0	0.90	µg/L	100.0		68.0	40-140				
2-Methylphenol	75.1	10	0.73	µg/L	100.0		75.1	30-130				
3/4-Methylphenol	72.8	10	2.1	µg/L	100.0		72.8	30-130				
Naphthalene	63.8	5.0	0.94	µg/L	100.0		63.8	40-140				
2-Nitroaniline	107	10	3.3	µg/L	100.0		107	40-140			V-35	
3-Nitroaniline	94.3	10	2.6	µg/L	100.0		94.3	40-140				
4-Nitroaniline	94.6	10	2.4	µg/L	100.0		94.6	40-140				
Nitrobenzene	81.3	10	0.94	µg/L	100.0		81.3	40-140				
2-Nitrophenol	80.0	10	2.8	µg/L	100.0		80.0	30-130				
4-Nitrophenol	53.4	10	1.2	µg/L	100.0		53.4	10-130				†
N-Nitrosodimethylamine	49.1	10	3.6	µg/L	100.0		49.1	40-140				
N-Nitrosodiphenylamine/Diphenylamine	87.2	10	0.58	µg/L	100.0		87.2	40-140				
N-Nitrosodi-n-propylamine	83.1	10	2.3	µg/L	100.0		83.1	40-140				
Pentachloronitrobenzene	93.5	10	1.6	µg/L	100.0		93.5	40-140				
Pentachlorophenol	82.9	10	3.5	µg/L	100.0		82.9	30-130				
Phenanthrene	84.5	5.0	0.70	µg/L	100.0		84.5	40-140				
Phenol	42.1	10	1.5	µg/L	100.0		42.1	20-130				†

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B406722 - SW-846 3510C												
LCS (B406722-BS1)					Prepared: 06/05/25 Analyzed: 06/09/25							
Pyrene	84.3	5.0	0.62	µg/L	100.0		84.3	40-140				
Pyridine	42.6	20	7.2	µg/L	100.0		42.6	10-140				†
1,2,4,5-Tetrachlorobenzene	70.0	10	1.0	µg/L	100.0		70.0	40-140				
1,2,4-Trichlorobenzene	55.1	5.0	1.1	µg/L	100.0		55.1	40-140				
2,4,5-Trichlorophenol	85.7	10	0.80	µg/L	100.0		85.7	30-130				
2,4,6-Trichlorophenol	83.0	10	0.60	µg/L	100.0		83.0	30-130				
Surrogate: 2-Fluorophenol	*258*			µg/L	400.0		64.4	15-110				
Surrogate: Phenol-d6	*187*			µg/L	400.0		46.8	15-110				
Surrogate: Nitrobenzene-d5	*174*			µg/L	200.0		86.8	30-130				
Surrogate: 2-Fluorobiphenyl	*165*			µg/L	200.0		82.7	30-130				
Surrogate: 2,4,6-Tribromophenol	*430*			µg/L	400.0		107	15-110				
Surrogate: p-Terphenyl-d14	*189*			µg/L	200.0		94.5	30-130				
LCS Dup (B406722-BSD1)					Prepared: 06/05/25 Analyzed: 06/09/25							
Acenaphthene	77.8	5.0	0.87	µg/L	100.0		77.8	40-140	3.39	20		
Acenaphthylene	81.6	5.0	0.74	µg/L	100.0		81.6	40-140	4.61	20		
Acetophenone	83.4	10	0.73	µg/L	100.0		83.4	40-140	2.36	20		
Aniline	64.6	20	13	µg/L	100.0		64.6	40-140	4.68	50		‡
Anthracene	82.2	5.0	0.65	µg/L	100.0		82.2	40-140	4.39	20		
Benzidine	30.3	20	12	µg/L	100.0		**30.3** *	40-140	19.6	20	L-04	
Benzo(a)anthracene	85.0	5.0	0.61	µg/L	100.0		85.0	40-140	3.10	20		
Benzo(a)pyrene	84.6	5.0	0.73	µg/L	100.0		84.6	40-140	3.75	20		
Benzo(b)fluoranthene	85.6	5.0	0.61	µg/L	100.0		85.6	40-140	1.81	20		
Benzo(g,h,i)perylene	88.6	5.0	0.85	µg/L	100.0		88.6	40-140	5.04	20		
Benzo(k)fluoranthene	87.2	5.0	0.67	µg/L	100.0		87.2	40-140	2.65	20		
Benzoic Acid	25.4	20	19	µg/L	100.0		25.4	10-130	18.2	50		† ‡
Bis(2-chloroethoxy)methane	84.2	10	0.74	µg/L	100.0		84.2	40-140	0.0951	20		
Bis(2-chloroethyl)ether	79.9	10	0.85	µg/L	100.0		79.9	40-140	2.01	20		
2,2'-oxybis(1-Chloropropane)	84.7	10	0.65	µg/L	100.0		84.7	40-140	3.85	20		
Bis(2-Ethylhexyl)phthalate	78.7	10	2.2	µg/L	100.0		78.7	40-140	1.63	20		
4-Bromophenylphenylether	76.9	10	0.74	µg/L	100.0		76.9	40-140	3.05	20		
Butylbenzylphthalate	92.5	10	0.80	µg/L	100.0		92.5	40-140	0.618	20		
Carbazole	86.1	10	0.68	µg/L	100.0		86.1	40-140	3.45	20		
4-Chloroaniline	89.6	10	4.2	µg/L	100.0		89.6	40-140	5.04	20		
4-Chloro-3-methylphenol	84.9	10	2.5	µg/L	100.0		84.9	30-130	0.189	20		
2-Chloronaphthalene	70.6	10	0.76	µg/L	100.0		70.6	40-140	3.05	20		
2-Chlorophenol	79.5	10	0.80	µg/L	100.0		79.5	30-130	1.15	20		
4-Chlorophenylphenylether	75.0	10	0.85	µg/L	100.0		75.0	40-140	4.71	20		
Chrysene	81.0	5.0	0.75	µg/L	100.0		81.0	40-140	5.90	20		
Dibenz(a,h)anthracene	85.2	5.0	0.82	µg/L	100.0		85.2	40-140	6.09	20		
Dibenzofuran	80.6	5.0	0.79	µg/L	100.0		80.6	40-140	5.87	20		
Di-n-butylphthalate	80.0	10	4.7	µg/L	100.0		80.0	40-140	3.45	20		
1,2-Dichlorobenzene	47.4	5.0	1.0	µg/L	100.0		47.4	40-140	2.78	20		
1,3-Dichlorobenzene	42.8	5.0	0.97	µg/L	100.0		42.8	40-140	0.586	20		
1,4-Dichlorobenzene	44.0	5.0	1.1	µg/L	100.0		44.0	40-140	0.752	20		
3,3-Dichlorobenzidine	97.3	10	3.5	µg/L	100.0		97.3	40-140	5.81	20		
2,4-Dichlorophenol	83.6	10	2.3	µg/L	100.0		83.6	30-130	1.79	20		
Diethylphthalate	79.7	10	1.7	µg/L	100.0		79.7	40-140	2.23	20		
2,4-Dimethylphenol	80.9	10	0.69	µg/L	100.0		80.9	30-130	9.20	20		
Dimethylphthalate	79.2	10	0.66	µg/L	100.0		79.2	40-140	4.12	50		‡

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B406722 - SW-846 3510C													
LCS Dup (B406722-BSD1)					Prepared: 06/05/25 Analyzed: 06/09/25								
4,6-Dinitro-2-methylphenol	76.8	20	2.7	µg/L	100.0		76.8		30-130	4.12	50		‡
2,4-Dinitrophenol	68.0	20	3.3	µg/L	100.0		68.0		30-130	0.719	50		‡
2,4-Dinitrotoluene	93.6	10	1.9	µg/L	100.0		93.6		40-140	0.320	20		
2,6-Dinitrotoluene	96.5	10	1.8	µg/L	100.0		96.5		40-140	0.569	20		
Di-n-octylphthalate	72.7	10	3.0	µg/L	100.0		72.7		40-140	1.59	20		
1,2-Diphenylhydrazine/Azobenzene	88.4	10	0.61	µg/L	100.0		88.4		40-140	2.93	20		
Fluoranthene	82.1	5.0	0.79	µg/L	100.0		82.1		40-140	5.72	20		
Fluorene	83.2	5.0	0.72	µg/L	100.0		83.2		40-140	3.93	20		
Hexachlorobenzene	78.7	10	0.76	µg/L	100.0		78.7		40-140	6.45	20		
Hexachlorobutadiene	47.4	10	4.7	µg/L	100.0		47.4		40-140	1.66	20		
Hexachlorocyclopentadiene	65.6	10	4.5	µg/L	100.0		65.6		30-140	1.57	50		† ‡
Hexachloroethane	39.6	10	4.8	µg/L	100.0		**39.6**	*	40-140	2.18	50	L-07	‡
Indeno(1,2,3-cd)pyrene	89.4	5.0	0.82	µg/L	100.0		89.4		40-140	5.16	50		‡
Isophorone	94.0	10	0.88	µg/L	100.0		94.0		40-140	0.106	20		
1-Methylnaphthalene	72.7	5.0	0.96	µg/L	100.0		72.7		40-140	1.16	20		
2-Methylnaphthalene	66.7	5.0	0.90	µg/L	100.0		66.7		40-140	1.89	20		
2-Methylphenol	76.6	10	0.73	µg/L	100.0		76.6		30-130	2.03	20		
3/4-Methylphenol	75.0	10	2.1	µg/L	100.0		75.0		30-130	3.03	20		
Naphthalene	63.8	5.0	0.94	µg/L	100.0		63.8		40-140	0.0784	20		
2-Nitroaniline	106	10	3.3	µg/L	100.0		106		40-140	1.20	20	V-35	
3-Nitroaniline	98.4	10	2.6	µg/L	100.0		98.4		40-140	4.27	20		
4-Nitroaniline	93.4	10	2.4	µg/L	100.0		93.4		40-140	1.36	20		
Nitrobenzene	80.7	10	0.94	µg/L	100.0		80.7		40-140	0.716	20		
2-Nitrophenol	81.7	10	2.8	µg/L	100.0		81.7		30-130	2.09	20		
4-Nitrophenol	53.4	10	1.2	µg/L	100.0		53.4		10-130	0.0562	50		† ‡
N-Nitrosodimethylamine	50.5	10	3.6	µg/L	100.0		50.5		40-140	2.75	20		
N-Nitrosodiphenylamine/Diphenylamine	83.5	10	0.58	µg/L	100.0		83.5		40-140	4.35	20		
N-Nitrosodi-n-propylamine	82.8	10	2.3	µg/L	100.0		82.8		40-140	0.350	20		
Pentachloronitrobenzene	90.1	10	1.6	µg/L	100.0		90.1		40-140	3.65	20		
Pentachlorophenol	78.6	10	3.5	µg/L	100.0		78.6		30-130	5.31	50		‡
Phenanthrene	80.1	5.0	0.70	µg/L	100.0		80.1		40-140	5.26	20		
Phenol	43.1	10	1.5	µg/L	100.0		43.1		20-130	2.35	20		†
Pyrene	83.1	5.0	0.62	µg/L	100.0		83.1		40-140	1.42	20		
Pyridine	36.8	20	7.2	µg/L	100.0		36.8		10-140	14.4	50		† ‡
1,2,4,5-Tetrachlorobenzene	67.8	10	1.0	µg/L	100.0		67.8		40-140	3.15	20		
1,2,4-Trichlorobenzene	56.1	5.0	1.1	µg/L	100.0		56.1		40-140	1.76	20		
2,4,5-Trichlorophenol	83.9	10	0.80	µg/L	100.0		83.9		30-130	2.15	20		
2,4,6-Trichlorophenol	81.6	10	0.60	µg/L	100.0		81.6		30-130	1.66	50		‡
Surrogate: 2-Fluorophenol	*245*			µg/L	400.0		61.3		15-110				
Surrogate: Phenol-d6	*183*			µg/L	400.0		45.7		15-110				
Surrogate: Nitrobenzene-d5	*162*			µg/L	200.0		81.0		30-130				
Surrogate: 2-Fluorobiphenyl	*152*			µg/L	200.0		76.2		30-130				
Surrogate: 2,4,6-Tribromophenol	*388*			µg/L	400.0		96.9		15-110				
Surrogate: p-Terphenyl-d14	*176*			µg/L	200.0		88.1		30-130				

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-35	Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
Acetone	CT,ME,NH,VA,NY,NC,NJ
Acrylonitrile	CT,ME,NH,VA,NY,NC,NJ
tert-Amyl Methyl Ether (TAME)	ME,NH,VA,NY,NC,NJ
Benzene	CT,ME,NH,VA,NY,NC,NJ
Bromobenzene	ME,NY,NC,NJ
Bromochloromethane	ME,NH,VA,NY,NC,NJ
Bromodichloromethane	CT,ME,NH,VA,NY,NC,NJ
Bromoform	CT,ME,NH,VA,NY,NC,NJ
Bromomethane	CT,ME,NH,VA,NY,NC,NJ
2-Butanone (MEK)	CT,ME,NH,VA,NY,NC,NJ
tert-Butyl Alcohol (TBA)	ME,NH,VA,NY,NC,NJ
n-Butylbenzene	ME,VA,NY,NC,NJ
sec-Butylbenzene	ME,VA,NY,NC,NJ
tert-Butylbenzene	ME,VA,NY,NC,NJ
tert-Butyl Ethyl Ether (TBEE)	ME,NH,VA,NY,NC,NJ
Carbon Disulfide	CT,ME,NH,VA,NY,NC,NJ
Carbon Tetrachloride	CT,ME,NH,VA,NY,NC,NJ
Chlorobenzene	CT,ME,NH,VA,NY,NC,NJ
Chlorodibromomethane	CT,ME,NH,VA,NY,NC,NJ
Chloroethane	CT,ME,NH,VA,NY,NC,NJ
Chloroform	CT,ME,NH,VA,NY,NC,NJ
Chloromethane	CT,ME,NH,VA,NY,NC,NJ
2-Chlorotoluene	ME,NH,VA,NY,NC,NJ
4-Chlorotoluene	ME,NH,VA,NY,NC,NJ
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY,NC,NJ
1,2-Dibromoethane (EDB)	ME,NY,NC,NJ
Dibromomethane	ME,NH,VA,NY,NC,NJ
1,2-Dichlorobenzene	CT,ME,NH,VA,NY,NC,NJ
1,3-Dichlorobenzene	CT,ME,NH,VA,NY,NC,NJ
1,4-Dichlorobenzene	CT,ME,NH,VA,NY,NC,NJ
trans-1,4-Dichloro-2-butene	ME,NH,VA,NY,NC,NJ
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY,NC,NJ
1,1-Dichloroethane	CT,ME,NH,VA,NY,NC,NJ
1,2-Dichloroethane	CT,ME,NH,VA,NY,NC,NJ
1,1-Dichloroethylene	CT,ME,NH,VA,NY,NC,NJ
cis-1,2-Dichloroethylene	ME,NY,NC,NJ
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY,NC,NJ
1,2-Dichloropropane	CT,ME,NH,VA,NY,NC,NJ
1,3-Dichloropropane	ME,VA,NY,NC,NJ
2,2-Dichloropropane	ME,NH,VA,NY,NC,NJ
1,1-Dichloropropene	ME,NH,VA,NY,NC,NJ
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY,NC,NJ
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY,NC,NJ
Diethyl Ether	ME,NY,NC,NJ
Diisopropyl Ether (DIPE)	ME,NH,VA,NY,NC,NJ
1,4-Dioxane	ME,NH,NY,NC,NJ
Ethylbenzene	CT,ME,NH,VA,NY,NC,NJ

Pace Analytical Services, LLC - East Longmeadow, Ma

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
Hexachlorobutadiene	CT,ME,NH,VA,NY,NC,NJ
2-Hexanone (MBK)	CT,ME,NH,VA,NY,NC,NJ
Isopropylbenzene (Cumene)	ME,VA,NY,NC,NJ
p-Isopropyltoluene (p-Cymene)	CT,ME,NH,VA,NY,NC,NJ
Methyl Acetate	ME,NY,NC,NJ
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY,NC,NJ
Methyl Cyclohexane	NY,NC,NJ
Methylene Chloride	CT,ME,NH,VA,NY,NC,NJ
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY,NC,NJ
Naphthalene	ME,NH,VA,NY,NC,NJ
n-Propylbenzene	CT,ME,NH,VA,NY,NC,NJ
Styrene	CT,ME,NH,VA,NY,NC,NJ
1,1,1,2-Tetrachloroethane	CT,ME,NH,VA,NY,NC,NJ
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY,NC,NJ
Tetrachloroethylene	CT,ME,NH,VA,NY,NC,NJ
Tetrahydrofuran	NC
Toluene	CT,ME,NH,VA,NY,NC,NJ
1,2,3-Trichlorobenzene	ME,NH,VA,NY,NC,NJ
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY,NC,NJ
1,3,5-Trichlorobenzene	ME,NC
1,1,1-Trichloroethane	CT,ME,NH,VA,NY,NC,NJ
1,1,2-Trichloroethane	CT,ME,NH,VA,NY,NC,NJ
Trichloroethylene	CT,ME,NH,VA,NY,NC,NJ
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY,NC,NJ
1,2,3-Trichloropropane	ME,NH,VA,NY,NC,NJ
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY,NC,NJ
1,2,4-Trimethylbenzene	ME,VA,NY,NC,NJ
1,3,5-Trimethylbenzene	ME,VA,NY,NC,NJ
Vinyl Chloride	CT,ME,NH,VA,NY,NC,NJ
m+p Xylene	CT,ME,NH,VA,NY,NC,NJ
o-Xylene	CT,ME,NH,VA,NY,NC,NJ
SW-846 8270E in Water	
Acenaphthene	CT,NY,NC,ME,NH,VA
Acenaphthylene	CT,NY,NC,ME,NH,VA
Acetophenone	NY,NC
Aniline	CT,NY,NC,ME,VA
Anthracene	CT,NY,NC,ME,NH,VA
Benzidine	CT,NY,NC,ME,NH,VA
Benzo(a)anthracene	CT,NY,NC,ME,NH,VA
Benzo(a)pyrene	CT,NY,NC,ME,NH,VA
Benzo(b)fluoranthene	CT,NY,NC,ME,NH,VA
Benzo(g,h,i)perylene	CT,NY,NC,ME,NH,VA
Benzo(k)fluoranthene	CT,NY,NC,ME,NH,VA
Benzoic Acid	NY,NC,ME,NH,VA
Bis(2-chloroethoxy)methane	CT,NY,NC,ME,NH,VA
Bis(2-chloroethyl)ether	CT,NY,NC,ME,NH,VA

Pace Analytical Services, LLC - East Longmeadow, Ma

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270E in Water	
2,2'-oxybis(1-Chloropropane)	CT,NY,NC,ME,NH,VA
Bis(2-Ethylhexyl)phthalate	CT,NY,NC,ME,NH,VA
4-Bromophenylphenylether	CT,NY,NC,ME,NH,VA
Butylbenzylphthalate	CT,NY,NC,ME,NH,VA
Carbazole	NC
4-Chloroaniline	CT,NY,NC,ME,NH,VA
4-Chloro-3-methylphenol	CT,NY,NC,ME,NH,VA
2-Chloronaphthalene	CT,NY,NC,ME,NH,VA
2-Chlorophenol	CT,NY,NC,ME,NH,VA
4-Chlorophenylphenylether	CT,NY,NC,ME,NH,VA
Chrysene	CT,NY,NC,ME,NH,VA
Dibenz(a,h)anthracene	CT,NY,NC,ME,NH,VA
Dibenzofuran	CT,NY,NC,ME,NH,VA
Di-n-butylphthalate	CT,NY,NC,ME,NH,VA
1,2-Dichlorobenzene	CT,NY,NC,ME,NH,VA
1,3-Dichlorobenzene	CT,NY,NC,ME,NH,VA
1,4-Dichlorobenzene	CT,NY,NC,ME,NH,VA
3,3-Dichlorobenzidine	CT,NY,NC,ME,NH,VA
2,4-Dichlorophenol	CT,NY,NC,ME,NH,VA
Diethylphthalate	CT,NY,NC,ME,NH,VA
2,4-Dimethylphenol	CT,NY,NC,ME,NH,VA
Dimethylphthalate	CT,NY,NC,ME,NH,VA
4,6-Dinitro-2-methylphenol	CT,NY,NC,ME,NH,VA
2,4-Dinitrophenol	CT,NY,NC,ME,NH,VA
2,4-Dinitrotoluene	CT,NY,NC,ME,NH,VA
2,6-Dinitrotoluene	CT,NY,NC,ME,NH,VA
Di-n-octylphthalate	CT,NY,NC,ME,NH,VA
1,4-Dioxane	NY,NH
1,2-Diphenylhydrazine/Azobenzene	NY,NC
Fluoranthene	CT,NY,NC,ME,NH,VA
Fluorene	NY,NC,ME,NH,VA
Hexachlorobenzene	CT,NY,NC,ME,NH,VA
Hexachlorobutadiene	CT,NY,NC,ME,NH,VA
Hexachlorocyclopentadiene	CT,NY,NC,ME,NH,VA
Hexachloroethane	CT,NY,NC,ME,NH,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NC,ME,NH,VA
Isophorone	CT,NY,NC,ME,NH,VA
1-Methylnaphthalene	NC
2-Methylnaphthalene	CT,NY,NC,ME,NH,VA
2-Methylphenol	CT,NY,NC,NH,VA
3/4-Methylphenol	CT,NY,NC,NH,VA
Naphthalene	CT,NY,NC,ME,NH,VA
2-Nitroaniline	CT,NY,NC,ME,NH,VA
3-Nitroaniline	CT,NY,NC,ME,NH,VA
4-Nitroaniline	CT,NY,NC,ME,NH,VA
Nitrobenzene	CT,NY,NC,ME,NH,VA
2-Nitrophenol	CT,NY,NC,ME,NH,VA

Pace Analytical Services, LLC - East Longmeadow, Ma

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270E in Water	
4-Nitrophenol	CT,NY,NC,ME,NH,VA
N-Nitrosodimethylamine	CT,NY,NC,ME,NH,VA
N-Nitrosodiphenylamine/Diphenylamine	NY
N-Nitrosodi-n-propylamine	CT,NY,NC,ME,NH,VA
Pentachloronitrobenzene	NC
Pentachlorophenol	CT,NY,NC,ME,NH,VA
Phenanthrene	CT,NY,NC,ME,NH,VA
Phenol	CT,NY,NC,ME,NH,VA
Pyrene	CT,NY,NC,ME,NH,VA
Pyridine	CT,NY,NC,ME,NH,VA
1,2,4,5-Tetrachlorobenzene	NY,NC
1,2,4-Trichlorobenzene	CT,NY,NC,ME,NH,VA
2,4,5-Trichlorophenol	CT,NY,NC,ME,NH,VA
2,4,6-Trichlorophenol	CT,NY,NC,ME,NH,VA
2-Fluorophenol	NC

Pace Analytical Services, LLC - East Longmeadow, Ma, operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0821	12/31/2026
NY	New York State Department of Health	10899 NELAP	04/1/2026
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2026
NC	North Carolina Div. of Water Quality	652	12/31/2025
NJ	New Jersey DEP	MA007 NELAP	06/30/2025
ME	State of Maine	MA00100	06/9/2027
VA	Commonwealth of Virginia	460217	12/14/2025

25F0265

Pace Analytical®

Phone: 413-525-2332
Fax: 413-525-6405
Access COC's and Support Requests

http://www.pacelabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 5_07/13/2021

Page 1 of 1

Company Name:	Atlas
Address:	51 Knight Ln Williston, VT
Phone:	802-862-1970
Project Name:	Morrissey
Project Location:	Bristol, VT
Project Number:	280EM01320
Project Manager:	Johanna Palmer
Pace Quote Name/Number:	
Invoice Recipient:	
Sampled By:	Amelia Kennedy

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

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

Data Delivery
Format: PDF ☒ EXCEL ☒
Other:
CLP Like Data Pkg Required: ☐
Email To: johanna.palmer@oneatlas.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☐
NON SOXHLET ☐

ANALYSIS REQUESTED

Pace Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	H	I										[2] Preservation Code
	TB 6/3/25	~~6/3/25~~	730	G	W	L	2					X											Courier Use Only
	DUP	6/3/25	0001		GW	V	3 2					X											Total Number Of:
	MW-7		1615				3	2				X	X										VIALS
	MW-4		1110																				GLASS
	MW-5		1330																				PLASTIC
	MW-8		1515																				BACTERIA
																							ENCORE

Glassware in the fridge? Y / N

Glassware in freezer? Y / N

Prepackaged Cooler? Y / N

*Pace Analytical is not responsible for missing samples from prepacked coolers

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

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Relinquished by: (signature)	AK	Date/Time: 6/3/25 1740
Received by: (signature)	Don Acus	Date/Time: 6/4 10:00
Relinquished by: (signature)	Don Acus	Date/Time: 6-4 14:50
Received by: (signature)		Date/Time: 6/4 1452
Relinquished by: (signature)		Date/Time:
Received by: (signature)		Date/Time:
Relinquished by: (signature)		Date/Time:
Received by: (signature)		Date/Time:

Client Comments:
Pls include MDL
Pls add DW to report

Detection Limit Requirements
MA
CT
Other:

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

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

NELAC and AIHA-LAP, LLC Accredited

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

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

Comments:

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

Exhibit S

Table of Contents

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0001 v08_Sample Receiving Checklist
	Effective Date: 06/11/2024

Log In Back-Sheet

Login Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy) Any False statement will be brought to the attention of the Client – True or False

Client Atlas

Project Morrissey

MCP/RCP Required _____

Deliverable Package Requirement _____

Location Bristol, VT

PWSID# (When Applicable) _____

Arrival Method:

Courier ☒ Fed Ex ☐ Walk In ☐ Other ☐ _____

Received By / Date / Time SMW 6-4-25 1452

Back-Sheet By / Date / Time SMW 6-4-25 1657

Temperature Method gun # 4

WV samples: Yes (see note*) / No (follow normal procedure)

Temp X < 6° C Actual Temperature 2.3

Rush Samples: Yes / No Notify _____

Short Hold: Yes / No Notify _____

	True	False
Received on ice	☒	☐
Received in Cooler	☒	☐
Custody Seal: DATE ____ TIME ____	☐	☒
COC Relinquished	☒	☐
COC/Samples Labels Agree	☒	☐
All Samples in Good Condition	☒	☐
Samples Received within Holding Time	☒	☐
Is there enough Volume	☒	☐
Proper Media/Container Used	☒	☐
Splitting Samples Required	☐	☒
MS/MSD	☐	☒
Trip Blanks	☒	☐
Lab to Filters	☐	☒
COC Legible	☒	☐

COC Included: (Check all included)

Client ☒ Analysis ☒ Sampler Name ☒

Project ☒ IDs ☒ Collection Date/Time ☒

All Samples Proper pH: N/A ☒ ☐

Notes regarding Samples/COC outside of SOP:

Additional Container Notes

Note: West Virginia requires all samples to have their temperature taken. Note any outliers.

Qualtrax ID: 120836

Exhibit S

Page 2 of 2

Qualtrax ID: 120836

Sample	Soils Jars (Circle Amb/Clear)				Ambers							Plastics												VOA Vials					Other / Fill in				
	16oz Amb/Clear	8oz Amb/Clear	4oz Amb/Clear	2oz Amb/Clear	Unpreserved	1 Liter HCL	1 Liter Sulfuric	250ml Sulfuric	250ml Phosphoric	250ml HCl	100ml Unpreserved	1 Liter Unpreserved	1 Liter Sulfuric	500ml Unpreserved	500ml Sulfuric	250ml Unpreserved	250ml Trizma	250ml Sulfuric	250ml Nitric	250ml NaOH	250ml Ammonium Acetate	250ml NaOH/Zinc	Unpreserved	HCl	MeOH	D.I. Water	Bisulfate	Col/Bact					
1																								2								
2																								3								
3											2													3								
4											2													3								
5											2													3								
6											2													3								
7																																
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18																																
19																																
20																																

Pace	DC#_Title: ENV-FRM-ELON-0001 v08_Sample Receiving Checklist
	Effective Date: 06/11/2024

Exhibit S

Pace Analytical Services, LLC - East Longmeadow, Ma

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

June 12, 2025

Jo Palmer
Atlas Technical Consultants - Vermont
51 Knight Lane, PO Box 1486
Williston, VT 05495

Project Location: Bristol VT
Client Job Number:
Project Number: 280EM01330
Laboratory Work Order Number: 25F0422

Enclosed are results of analyses for samples as received by the laboratory on June 5, 2025. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Rebecca Faust
Project Manager

Exhibit S

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Pace Analytical Services, LLC - East Longmeadow, Ma

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

Atlas Technical Consultants - Vermont
51 Knight Lane, PO Box 1486
Williston, VT 05495
ATTN: Jo Palmer

REPORT DATE: 6/12/2025

PURCHASE ORDER NUMBER: 280EM01330

PROJECT NUMBER: 280EM01330

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 25F0422

The results of analyses performed on the following samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, are found in this report.

PROJECT LOCATION: Bristol VT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
TB	25F0422-01	Field Blank		EPA 524.2	
DUP	25F0422-02	Drinking Water		EPA 524.2	
1002-JD	25F0422-03	Drinking Water		EPA 524.2	
1113-JD	25F0422-04	Drinking Water		EPA 524.2	
1128-JD	25F0422-05	Drinking Water		EPA 524.2	
1145-JD	25F0422-06	Drinking Water		EPA 524.2	
33-HD	25F0422-07	Drinking Water		EPA 524.2	
77-HD	25F0422-08	Drinking Water		EPA 524.2	
178-HD	25F0422-09	Drinking Water		EPA 524.2	

Exhibit S

Pace Analytical Services, LLC - East Longmeadow, Ma

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CASE NARRATIVE SUMMARY

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

EPA 524.2

Qualifications:

L-01

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

Analyte & Samples(s) Qualified:

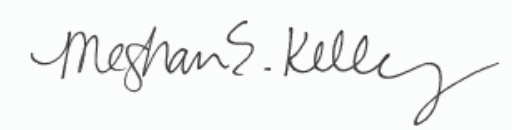
Dichlorodifluoromethane (Freon 12

B406894-BS1

Trichlorofluoromethane (Freon 11)

B406894-BS1, B406985-BS1

The results of analyses reported only relate to samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Meghan E. Kelley
Reporting Specialist

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol VT | Sample Description: | Work Order: 25F0422

Date Received: 6/5/2025

Field Sample #: TB | Sampled: 6/4/2025 08:00

Sample ID: 25F0422-01

Sample Matrix: Field Blank

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.21	5	µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
Bromobenzene	ND	0.50	0.16		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
Bromochloromethane	ND	0.50	0.17		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
Bromodichloromethane	ND	0.50	0.14		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
Bromoform	ND	0.50	0.19		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
Bromomethane	ND	0.50	0.24		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
n-Butylbenzene	ND	0.50	0.19		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
sec-Butylbenzene	ND	0.50	0.19		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
tert-Butylbenzene	ND	0.50	0.17		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
Carbon Tetrachloride	ND	0.50	0.18	5	µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
Chlorobenzene	ND	0.50	0.14	100	µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
Chloroethane	ND	0.50	0.20		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
Chloroform	ND	0.50	0.18		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
Chloromethane	ND	0.50	0.35		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
2-Chlorotoluene	ND	0.50	0.16		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
4-Chlorotoluene	ND	0.50	0.19		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
Dibromochloromethane	ND	0.50	0.12		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
Dibromomethane	ND	0.50	0.15		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
1,2-Dichlorobenzene	ND	0.50	0.14	600	µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
1,3-Dichlorobenzene	ND	0.50	0.16		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
1,4-Dichlorobenzene	ND	0.50	0.18	75	µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.18		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
1,1-Dichloroethane	ND	0.50	0.17		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
1,2-Dichloroethane	ND	0.50	0.18	5	µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
1,1-Dichloroethylene	ND	0.50	0.12	7	µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
cis-1,2-Dichloroethylene	ND	0.50	0.16	70	µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
trans-1,2-Dichloroethylene	ND	0.50	0.21	100	µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
1,2-Dichloropropane	ND	0.50	0.20	5	µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
1,3-Dichloropropane	ND	0.50	0.12		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
2,2-Dichloropropane	ND	0.50	0.18		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
1,1-Dichloropropene	ND	0.50	0.17		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
cis-1,3-Dichloropropene	ND	0.50	0.12		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
1,3-Dichloropropene (total)	ND	1.0	0.25		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
Ethylbenzene	ND	0.50	0.20	700	µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
Hexachlorobutadiene	ND	0.50	0.29		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
Isopropylbenzene (Cumene)	ND	0.50	0.19		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	0.18		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.11		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
Methylene Chloride	ND	0.50	0.21	5	µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
Naphthalene	ND	1.0	0.27		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
n-Propylbenzene	ND	0.50	0.17		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
Styrene	ND	0.50	0.19	100	µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	0.13		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol VT | Sample Description: | Work Order: 25F0422

Date Received: 6/5/2025

Field Sample #: TB | Sampled: 6/4/2025 08:00

Sample ID: 25F0422-01

Sample Matrix: Field Blank

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.14		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
Tetrachloroethylene	ND	0.50	0.25	5	µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
Toluene	ND	0.50	0.20	1000	µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
1,2,3-Trichlorobenzene	ND	0.50	0.23		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
1,2,4-Trichlorobenzene	ND	0.50	0.30	70	µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
1,3,5-Trichlorobenzene	ND	0.50	0.23		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
1,1,1-Trichloroethane	ND	0.50	0.13	200	µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
1,1,2-Trichloroethane	ND	0.50	0.13	5	µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
Trichloroethylene	ND	0.50	0.18	5	µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50	0.16		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
1,2,3-Trichloropropane	ND	0.50	0.13		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
1,2,4-Trimethylbenzene	ND	0.50	0.21		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
1,3,5-Trimethylbenzene	ND	0.50	0.18		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
Vinyl Chloride	ND	0.50	0.29	2	µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
m&p-Xylene	ND	1.0	0.40		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
o-Xylene	ND	0.50	0.21		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH
Xylenes (total)	ND	1.5	0.61	10000	µg/L	1		EPA 524.2	6/9/25	6/9/25 16:11	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
4-Bromofluorobenzene	102	80-120		6/9/25 16:11
1,2-Dichlorobenzene-d4	105	80-120		6/9/25 16:11

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol VT | Sample Description: | Work Order: 25F0422

Date Received: 6/5/2025

Field Sample #: DUP | Sampled: 6/4/2025 00:01

Sample ID: 25F0422-02

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.21	5	µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
Bromobenzene	ND	0.50	0.16		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
Bromochloromethane	ND	0.50	0.17		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
Bromodichloromethane	ND	0.50	0.14		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
Bromoform	ND	0.50	0.19		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
Bromomethane	ND	0.50	0.24		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
n-Butylbenzene	ND	0.50	0.19		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
sec-Butylbenzene	ND	0.50	0.19		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
tert-Butylbenzene	ND	0.50	0.17		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
Carbon Tetrachloride	ND	0.50	0.18	5	µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
Chlorobenzene	ND	0.50	0.14	100	µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
Chloroethane	ND	0.50	0.20		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
Chloroform	ND	0.50	0.18		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
Chloromethane	ND	0.50	0.35		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
2-Chlorotoluene	ND	0.50	0.16		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
4-Chlorotoluene	ND	0.50	0.19		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
Dibromochloromethane	ND	0.50	0.12		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
Dibromomethane	ND	0.50	0.15		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
1,2-Dichlorobenzene	ND	0.50	0.14	600	µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
1,3-Dichlorobenzene	ND	0.50	0.16		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
1,4-Dichlorobenzene	ND	0.50	0.18	75	µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.18		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
1,1-Dichloroethane	ND	0.50	0.17		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
1,2-Dichloroethane	ND	0.50	0.18	5	µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
1,1-Dichloroethylene	ND	0.50	0.12	7	µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
cis-1,2-Dichloroethylene	ND	0.50	0.16	70	µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
trans-1,2-Dichloroethylene	ND	0.50	0.21	100	µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
1,2-Dichloropropane	ND	0.50	0.20	5	µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
1,3-Dichloropropane	ND	0.50	0.12		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
2,2-Dichloropropane	ND	0.50	0.18		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
1,1-Dichloropropene	ND	0.50	0.17		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
cis-1,3-Dichloropropene	ND	0.50	0.12		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
1,3-Dichloropropene (total)	ND	1.0	0.25		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
Ethylbenzene	ND	0.50	0.20	700	µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
Hexachlorobutadiene	ND	0.50	0.29		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
Isopropylbenzene (Cumene)	ND	0.50	0.19		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	0.18		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.11		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
Methylene Chloride	ND	0.50	0.21	5	µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
Naphthalene	ND	1.0	0.27		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
n-Propylbenzene	ND	0.50	0.17		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
Styrene	ND	0.50	0.19	100	µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	0.13		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol VT | Sample Description: | Work Order: 25F0422

Date Received: 6/5/2025

Field Sample #: DUP | Sampled: 6/4/2025 00:01

Sample ID: 25F0422-02

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.14		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
Tetrachloroethylene	ND	0.50	0.25	5	µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
Toluene	ND	0.50	0.20	1000	µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
1,2,3-Trichlorobenzene	ND	0.50	0.23		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
1,2,4-Trichlorobenzene	ND	0.50	0.30	70	µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
1,3,5-Trichlorobenzene	ND	0.50	0.23		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
1,1,1-Trichloroethane	ND	0.50	0.13	200	µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
1,1,2-Trichloroethane	ND	0.50	0.13	5	µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
Trichloroethylene	ND	0.50	0.18	5	µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50	0.16		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
1,2,3-Trichloropropane	ND	0.50	0.13		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
1,2,4-Trimethylbenzene	ND	0.50	0.21		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
1,3,5-Trimethylbenzene	ND	0.50	0.18		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
Vinyl Chloride	ND	0.50	0.29	2	µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
m&p-Xylene	ND	1.0	0.40		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
o-Xylene	ND	0.50	0.21		µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH
Xylenes (total)	ND	1.5	0.61	10000	µg/L	1		EPA 524.2	6/9/25	6/9/25 16:36	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
4-Bromofluorobenzene	102	80-120		6/9/25 16:36
1,2-Dichlorobenzene-d4	102	80-120		6/9/25 16:36

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol VT | Sample Description: | Work Order: 25F0422

Date Received: 6/5/2025

Field Sample #: 1002-JD | Sampled: 6/4/2025 09:30

Sample ID: 25F0422-03

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.21	5	µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
Bromobenzene	ND	0.50	0.16		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
Bromochloromethane	ND	0.50	0.17		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
Bromodichloromethane	ND	0.50	0.14		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
Bromoform	ND	0.50	0.19		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
Bromomethane	ND	0.50	0.24		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
n-Butylbenzene	ND	0.50	0.19		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
sec-Butylbenzene	ND	0.50	0.19		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
tert-Butylbenzene	ND	0.50	0.17		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
Carbon Tetrachloride	ND	0.50	0.18	5	µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
Chlorobenzene	ND	0.50	0.14	100	µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
Chloroethane	ND	0.50	0.20		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
Chloroform	ND	0.50	0.18		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
Chloromethane	ND	0.50	0.35		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
2-Chlorotoluene	ND	0.50	0.16		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
4-Chlorotoluene	ND	0.50	0.19		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
Dibromochloromethane	ND	0.50	0.12		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
Dibromomethane	ND	0.50	0.15		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
1,2-Dichlorobenzene	ND	0.50	0.14	600	µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
1,3-Dichlorobenzene	ND	0.50	0.16		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
1,4-Dichlorobenzene	ND	0.50	0.18	75	µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.18		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
1,1-Dichloroethane	ND	0.50	0.17		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
1,2-Dichloroethane	ND	0.50	0.18	5	µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
1,1-Dichloroethylene	ND	0.50	0.12	7	µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
cis-1,2-Dichloroethylene	ND	0.50	0.16	70	µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
trans-1,2-Dichloroethylene	ND	0.50	0.21	100	µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
1,2-Dichloropropane	ND	0.50	0.20	5	µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
1,3-Dichloropropane	ND	0.50	0.12		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
2,2-Dichloropropane	ND	0.50	0.18		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
1,1-Dichloropropene	ND	0.50	0.17		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
cis-1,3-Dichloropropene	ND	0.50	0.12		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
1,3-Dichloropropene (total)	ND	1.0	0.25		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
Ethylbenzene	ND	0.50	0.20	700	µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
Hexachlorobutadiene	ND	0.50	0.29		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
Isopropylbenzene (Cumene)	ND	0.50	0.19		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	0.18		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.11		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
Methylene Chloride	ND	0.50	0.21	5	µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
Naphthalene	ND	1.0	0.27		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
n-Propylbenzene	ND	0.50	0.17		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
Styrene	ND	0.50	0.19	100	µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	0.13		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol VT | Sample Description: | Work Order: 25F0422

Date Received: 6/5/2025

Field Sample #: 1002-JD | Sampled: 6/4/2025 09:30

Sample ID: 25F0422-03

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.14		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
Tetrachloroethylene	ND	0.50	0.25	5	µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
Toluene	ND	0.50	0.20	1000	µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
1,2,3-Trichlorobenzene	ND	0.50	0.23		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
1,2,4-Trichlorobenzene	ND	0.50	0.30	70	µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
1,3,5-Trichlorobenzene	ND	0.50	0.23		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
1,1,1-Trichloroethane	ND	0.50	0.13	200	µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
1,1,2-Trichloroethane	ND	0.50	0.13	5	µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
Trichloroethylene	ND	0.50	0.18	5	µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50	0.16		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
1,2,3-Trichloropropane	ND	0.50	0.13		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
1,2,4-Trimethylbenzene	ND	0.50	0.21		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
1,3,5-Trimethylbenzene	ND	0.50	0.18		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
Vinyl Chloride	ND	0.50	0.29	2	µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
m&p-Xylene	ND	1.0	0.40		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
o-Xylene	ND	0.50	0.21		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH
Xylenes (total)	ND	1.5	0.61	10000	µg/L	1		EPA 524.2	6/9/25	6/9/25 17:02	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
4-Bromofluorobenzene	104	80-120		6/9/25 17:02
1,2-Dichlorobenzene-d4	107	80-120		6/9/25 17:02

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol VT | Sample Description: | Work Order: 25F0422

Date Received: 6/5/2025

Field Sample #: 1113-JD | Sampled: 6/4/2025 10:00

Sample ID: 25F0422-04

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.21	5	µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
Bromobenzene	ND	0.50	0.16		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
Bromochloromethane	ND	0.50	0.17		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
Bromodichloromethane	ND	0.50	0.14		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
Bromoform	ND	0.50	0.19		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
Bromomethane	ND	0.50	0.24		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
n-Butylbenzene	ND	0.50	0.19		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
sec-Butylbenzene	ND	0.50	0.19		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
tert-Butylbenzene	ND	0.50	0.17		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
Carbon Tetrachloride	ND	0.50	0.18	5	µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
Chlorobenzene	ND	0.50	0.14	100	µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
Chloroethane	ND	0.50	0.20		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
Chloroform	ND	0.50	0.18		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
Chloromethane	ND	0.50	0.35		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
2-Chlorotoluene	ND	0.50	0.16		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
4-Chlorotoluene	ND	0.50	0.19		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
Dibromochloromethane	ND	0.50	0.12		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
Dibromomethane	ND	0.50	0.15		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
1,2-Dichlorobenzene	ND	0.50	0.14	600	µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
1,3-Dichlorobenzene	ND	0.50	0.16		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
1,4-Dichlorobenzene	ND	0.50	0.18	75	µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.18		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
1,1-Dichloroethane	ND	0.50	0.17		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
1,2-Dichloroethane	ND	0.50	0.18	5	µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
1,1-Dichloroethylene	ND	0.50	0.12	7	µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
cis-1,2-Dichloroethylene	ND	0.50	0.16	70	µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
trans-1,2-Dichloroethylene	ND	0.50	0.21	100	µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
1,2-Dichloropropane	ND	0.50	0.20	5	µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
1,3-Dichloropropane	ND	0.50	0.12		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
2,2-Dichloropropane	ND	0.50	0.18		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
1,1-Dichloropropene	ND	0.50	0.17		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
cis-1,3-Dichloropropene	ND	0.50	0.12		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
1,3-Dichloropropene (total)	ND	1.0	0.25		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
Ethylbenzene	ND	0.50	0.20	700	µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
Hexachlorobutadiene	ND	0.50	0.29		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
Isopropylbenzene (Cumene)	ND	0.50	0.19		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	0.18		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.11		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
Methylene Chloride	ND	0.50	0.21	5	µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
Naphthalene	ND	1.0	0.27		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
n-Propylbenzene	ND	0.50	0.17		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
Styrene	ND	0.50	0.19	100	µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	0.13		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol VT | Sample Description: | Work Order: 25F0422

Date Received: 6/5/2025

Field Sample #: 1113-JD | Sampled: 6/4/2025 10:00

Sample ID: 25F0422-04

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.14		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
Tetrachloroethylene	ND	0.50	0.25	5	µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
Toluene	ND	0.50	0.20	1000	µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
1,2,3-Trichlorobenzene	ND	0.50	0.23		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
1,2,4-Trichlorobenzene	ND	0.50	0.30	70	µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
1,3,5-Trichlorobenzene	ND	0.50	0.23		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
1,1,1-Trichloroethane	ND	0.50	0.13	200	µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
1,1,2-Trichloroethane	ND	0.50	0.13	5	µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
Trichloroethylene	ND	0.50	0.18	5	µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50	0.16		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
1,2,3-Trichloropropane	ND	0.50	0.13		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
1,2,4-Trimethylbenzene	ND	0.50	0.21		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
1,3,5-Trimethylbenzene	ND	0.50	0.18		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
Vinyl Chloride	ND	0.50	0.29	2	µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
m&p-Xylene	ND	1.0	0.40		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
o-Xylene	ND	0.50	0.21		µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH
Xylenes (total)	ND	1.5	0.61	10000	µg/L	1		EPA 524.2	6/9/25	6/9/25 17:27	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
4-Bromofluorobenzene	101	80-120		6/9/25 17:27
1,2-Dichlorobenzene-d4	103	80-120		6/9/25 17:27

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol VT | Sample Description: | Work Order: 25F0422

Date Received: 6/5/2025

Field Sample #: 1128-JD | Sampled: 6/4/2025 10:25

Sample ID: 25F0422-05

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.21	5	µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
Bromobenzene	ND	0.50	0.16		µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
Bromochloromethane	ND	0.50	0.17		µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
Bromodichloromethane	ND	0.50	0.14		µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
Bromoform	ND	0.50	0.19		µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
Bromomethane	ND	0.50	0.24		µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
n-Butylbenzene	ND	0.50	0.19		µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
sec-Butylbenzene	ND	0.50	0.19		µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
tert-Butylbenzene	ND	0.50	0.17		µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
Carbon Tetrachloride	ND	0.50	0.18	5	µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
Chlorobenzene	ND	0.50	0.14	100	µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
Chloroethane	ND	0.50	0.20		µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
Chloroform	ND	0.50	0.18		µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
Chloromethane	ND	0.50	0.35		µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
2-Chlorotoluene	ND	0.50	0.16		µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
4-Chlorotoluene	ND	0.50	0.19		µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
Dibromochloromethane	ND	0.50	0.12		µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
Dibromomethane	ND	0.50	0.15		µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
1,2-Dichlorobenzene	ND	0.50	0.14	600	µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
1,3-Dichlorobenzene	ND	0.50	0.16		µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
1,4-Dichlorobenzene	ND	0.50	0.18	75	µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.18		µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
1,1-Dichloroethane	ND	0.50	0.17		µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
1,2-Dichloroethane	ND	0.50	0.18	5	µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
1,1-Dichloroethylene	ND	0.50	0.12	7	µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
cis-1,2-Dichloroethylene	ND	0.50	0.16	70	µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
trans-1,2-Dichloroethylene	ND	0.50	0.21	100	µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
1,2-Dichloropropane	ND	0.50	0.20	5	µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
1,3-Dichloropropane	ND	0.50	0.12		µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
2,2-Dichloropropane	ND	0.50	0.18		µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
1,1-Dichloropropene	ND	0.50	0.17		µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
cis-1,3-Dichloropropene	ND	0.50	0.12		µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14		µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
1,3-Dichloropropene (total)	ND	1.0	0.25		µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
Ethylbenzene	ND	0.50	0.20	700	µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
Hexachlorobutadiene	ND	0.50	0.29		µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
Isopropylbenzene (Cumene)	ND	0.50	0.19		µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	0.18		µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.11		µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
Methylene Chloride	ND	0.50	0.21	5	µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
Naphthalene	ND	1.0	0.27		µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
n-Propylbenzene	ND	0.50	0.17		µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
Styrene	ND	0.50	0.19	100	µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	0.13		µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol VT | Sample Description: | Work Order: 25F0422

Date Received: 6/5/2025

Field Sample #: 1128-JD | Sampled: 6/4/2025 10:25

Sample ID: 25F0422-05

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.14		µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
Tetrachloroethylene	ND	0.50	0.25	5	µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
Toluene	ND	0.50	0.20	1000	µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
1,2,3-Trichlorobenzene	ND	0.50	0.23		µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
1,2,4-Trichlorobenzene	ND	0.50	0.30	70	µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
1,3,5-Trichlorobenzene	ND	0.50	0.23		µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
1,1,1-Trichloroethane	0.26	0.50	0.13	200	µg/L	1	J	EPA 524.2	6/10/25	6/10/25 22:58	EEH
1,1,2-Trichloroethane	ND	0.50	0.13	5	µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
Trichloroethylene	ND	0.50	0.18	5	µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50	0.16		µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
1,2,3-Trichloropropane	ND	0.50	0.13		µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
1,2,4-Trimethylbenzene	ND	0.50	0.21		µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
1,3,5-Trimethylbenzene	ND	0.50	0.18		µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
Vinyl Chloride	ND	0.50	0.29	2	µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
m&p-Xylene	ND	1.0	0.40		µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
o-Xylene	ND	0.50	0.21		µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH
Xylenes (total)	ND	1.5	0.61	10000	µg/L	1		EPA 524.2	6/10/25	6/10/25 22:58	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
4-Bromofluorobenzene	105	80-120		6/10/25 22:58
1,2-Dichlorobenzene-d4	108	80-120		6/10/25 22:58

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol VT | Sample Description: | Work Order: 25F0422

Date Received: 6/5/2025

Field Sample #: 1145-JD | Sampled: 6/4/2025 10:50

Sample ID: 25F0422-06

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.21	5	µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
Bromobenzene	ND	0.50	0.16		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
Bromochloromethane	ND	0.50	0.17		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
Bromodichloromethane	ND	0.50	0.14		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
Bromoform	ND	0.50	0.19		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
Bromomethane	ND	0.50	0.24		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
n-Butylbenzene	ND	0.50	0.19		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
sec-Butylbenzene	ND	0.50	0.19		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
tert-Butylbenzene	ND	0.50	0.17		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
Carbon Tetrachloride	ND	0.50	0.18	5	µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
Chlorobenzene	ND	0.50	0.14	100	µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
Chloroethane	ND	0.50	0.20		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
Chloroform	ND	0.50	0.18		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
Chloromethane	ND	0.50	0.35		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
2-Chlorotoluene	ND	0.50	0.16		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
4-Chlorotoluene	ND	0.50	0.19		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
Dibromochloromethane	ND	0.50	0.12		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
Dibromomethane	ND	0.50	0.15		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
1,2-Dichlorobenzene	ND	0.50	0.14	600	µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
1,3-Dichlorobenzene	ND	0.50	0.16		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
1,4-Dichlorobenzene	ND	0.50	0.18	75	µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.18		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
1,1-Dichloroethane	ND	0.50	0.17		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
1,2-Dichloroethane	ND	0.50	0.18	5	µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
1,1-Dichloroethylene	ND	0.50	0.12	7	µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
cis-1,2-Dichloroethylene	ND	0.50	0.16	70	µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
trans-1,2-Dichloroethylene	ND	0.50	0.21	100	µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
1,2-Dichloropropane	ND	0.50	0.20	5	µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
1,3-Dichloropropane	ND	0.50	0.12		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
2,2-Dichloropropane	ND	0.50	0.18		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
1,1-Dichloropropene	ND	0.50	0.17		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
cis-1,3-Dichloropropene	ND	0.50	0.12		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
1,3-Dichloropropene (total)	ND	1.0	0.25		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
Ethylbenzene	ND	0.50	0.20	700	µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
Hexachlorobutadiene	ND	0.50	0.29		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
Isopropylbenzene (Cumene)	ND	0.50	0.19		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	0.18		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.11		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
Methylene Chloride	ND	0.50	0.21	5	µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
Naphthalene	ND	1.0	0.27		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
n-Propylbenzene	ND	0.50	0.17		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
Styrene	ND	0.50	0.19	100	µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	0.13		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol VT | Sample Description: | Work Order: 25F0422

Date Received: 6/5/2025

Field Sample #: 1145-JD | Sampled: 6/4/2025 10:50

Sample ID: 25F0422-06

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.14		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
Tetrachloroethylene	ND	0.50	0.25	5	µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
Toluene	ND	0.50	0.20	1000	µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
1,2,3-Trichlorobenzene	ND	0.50	0.23		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
1,2,4-Trichlorobenzene	ND	0.50	0.30	70	µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
1,3,5-Trichlorobenzene	ND	0.50	0.23		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
1,1,1-Trichloroethane	ND	0.50	0.13	200	µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
1,1,2-Trichloroethane	ND	0.50	0.13	5	µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
Trichloroethylene	ND	0.50	0.18	5	µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50	0.16		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
1,2,3-Trichloropropane	ND	0.50	0.13		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
1,2,4-Trimethylbenzene	ND	0.50	0.21		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
1,3,5-Trimethylbenzene	ND	0.50	0.18		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
Vinyl Chloride	ND	0.50	0.29	2	µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
m&p-Xylene	ND	1.0	0.40		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
o-Xylene	ND	0.50	0.21		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH
Xylenes (total)	ND	1.5	0.61	10000	µg/L	1		EPA 524.2	6/10/25	6/10/25 23:24	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
4-Bromofluorobenzene	105	80-120		6/10/25 23:24
1,2-Dichlorobenzene-d4	112	80-120		6/10/25 23:24

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol VT | Sample Description: | Work Order: 25F0422

Date Received: 6/5/2025

Field Sample #: 33-HD | Sampled: 6/4/2025 11:20

Sample ID: 25F0422-07

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.21	5	µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
Bromobenzene	ND	0.50	0.16		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
Bromochloromethane	ND	0.50	0.17		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
Bromodichloromethane	ND	0.50	0.14		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
Bromoform	ND	0.50	0.19		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
Bromomethane	ND	0.50	0.24		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
n-Butylbenzene	ND	0.50	0.19		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
sec-Butylbenzene	ND	0.50	0.19		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
tert-Butylbenzene	ND	0.50	0.17		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
Carbon Tetrachloride	ND	0.50	0.18	5	µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
Chlorobenzene	ND	0.50	0.14	100	µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
Chloroethane	ND	0.50	0.20		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
Chloroform	ND	0.50	0.18		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
Chloromethane	ND	0.50	0.35		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
2-Chlorotoluene	ND	0.50	0.16		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
4-Chlorotoluene	ND	0.50	0.19		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
Dibromochloromethane	ND	0.50	0.12		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
Dibromomethane	ND	0.50	0.15		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
1,2-Dichlorobenzene	ND	0.50	0.14	600	µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
1,3-Dichlorobenzene	ND	0.50	0.16		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
1,4-Dichlorobenzene	ND	0.50	0.18	75	µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.18		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
1,1-Dichloroethane	ND	0.50	0.17		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
1,2-Dichloroethane	ND	0.50	0.18	5	µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
1,1-Dichloroethylene	ND	0.50	0.12	7	µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
cis-1,2-Dichloroethylene	ND	0.50	0.16	70	µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
trans-1,2-Dichloroethylene	ND	0.50	0.21	100	µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
1,2-Dichloropropane	ND	0.50	0.20	5	µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
1,3-Dichloropropane	ND	0.50	0.12		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
2,2-Dichloropropane	ND	0.50	0.18		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
1,1-Dichloropropene	ND	0.50	0.17		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
cis-1,3-Dichloropropene	ND	0.50	0.12		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
1,3-Dichloropropene (total)	ND	1.0	0.25		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
Ethylbenzene	ND	0.50	0.20	700	µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
Hexachlorobutadiene	ND	0.50	0.29		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
Isopropylbenzene (Cumene)	ND	0.50	0.19		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	0.18		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.11		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
Methylene Chloride	ND	0.50	0.21	5	µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
Naphthalene	ND	1.0	0.27		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
n-Propylbenzene	ND	0.50	0.17		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
Styrene	ND	0.50	0.19	100	µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	0.13		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol VT | Sample Description: | Work Order: 25F0422

Date Received: 6/5/2025

Field Sample #: 33-HD | Sampled: 6/4/2025 11:20

Sample ID: 25F0422-07

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.14		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
Tetrachloroethylene	ND	0.50	0.25	5	µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
Toluene	ND	0.50	0.20	1000	µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
1,2,3-Trichlorobenzene	ND	0.50	0.23		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
1,2,4-Trichlorobenzene	ND	0.50	0.30	70	µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
1,3,5-Trichlorobenzene	ND	0.50	0.23		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
1,1,1-Trichloroethane	ND	0.50	0.13	200	µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
1,1,2-Trichloroethane	ND	0.50	0.13	5	µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
Trichloroethylene	ND	0.50	0.18	5	µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50	0.16		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
1,2,3-Trichloropropane	ND	0.50	0.13		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
1,2,4-Trimethylbenzene	ND	0.50	0.21		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
1,3,5-Trimethylbenzene	ND	0.50	0.18		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
Vinyl Chloride	ND	0.50	0.29	2	µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
m&p-Xylene	ND	1.0	0.40		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
o-Xylene	ND	0.50	0.21		µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH
Xylenes (total)	ND	1.5	0.61	10000	µg/L	1		EPA 524.2	6/10/25	6/10/25 23:50	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
4-Bromofluorobenzene	103	80-120		6/10/25 23:50
1,2-Dichlorobenzene-d4	109	80-120		6/10/25 23:50

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol VT | Sample Description: | Work Order: 25F0422

Date Received: 6/5/2025

Field Sample #: 77-HD | Sampled: 6/4/2025 11:50

Sample ID: 25F0422-08

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.21	5	µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
Bromobenzene	ND	0.50	0.16		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
Bromochloromethane	ND	0.50	0.17		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
Bromodichloromethane	ND	0.50	0.14		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
Bromoform	ND	0.50	0.19		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
Bromomethane	ND	0.50	0.24		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
n-Butylbenzene	ND	0.50	0.19		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
sec-Butylbenzene	ND	0.50	0.19		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
tert-Butylbenzene	ND	0.50	0.17		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
Carbon Tetrachloride	ND	0.50	0.18	5	µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
Chlorobenzene	ND	0.50	0.14	100	µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
Chloroethane	ND	0.50	0.20		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
Chloroform	ND	0.50	0.18		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
Chloromethane	ND	0.50	0.35		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
2-Chlorotoluene	ND	0.50	0.16		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
4-Chlorotoluene	ND	0.50	0.19		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
Dibromochloromethane	ND	0.50	0.12		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
Dibromomethane	ND	0.50	0.15		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
1,2-Dichlorobenzene	ND	0.50	0.14	600	µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
1,3-Dichlorobenzene	ND	0.50	0.16		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
1,4-Dichlorobenzene	ND	0.50	0.18	75	µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.18		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
1,1-Dichloroethane	ND	0.50	0.17		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
1,2-Dichloroethane	ND	0.50	0.18	5	µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
1,1-Dichloroethylene	ND	0.50	0.12	7	µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
cis-1,2-Dichloroethylene	ND	0.50	0.16	70	µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
trans-1,2-Dichloroethylene	ND	0.50	0.21	100	µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
1,2-Dichloropropane	ND	0.50	0.20	5	µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
1,3-Dichloropropane	ND	0.50	0.12		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
2,2-Dichloropropane	ND	0.50	0.18		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
1,1-Dichloropropene	ND	0.50	0.17		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
cis-1,3-Dichloropropene	ND	0.50	0.12		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
1,3-Dichloropropene (total)	ND	1.0	0.25		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
Ethylbenzene	ND	0.50	0.20	700	µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
Hexachlorobutadiene	ND	0.50	0.29		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
Isopropylbenzene (Cumene)	ND	0.50	0.19		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	0.18		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.11		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
Methylene Chloride	ND	0.50	0.21	5	µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
Naphthalene	ND	1.0	0.27		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
n-Propylbenzene	ND	0.50	0.17		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
Styrene	ND	0.50	0.19	100	µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	0.13		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol VT | Sample Description: | Work Order: 25F0422

Date Received: 6/5/2025

Field Sample #: 77-HD | Sampled: 6/4/2025 11:50

Sample ID: 25F0422-08

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.14		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
Tetrachloroethylene	ND	0.50	0.25	5	µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
Toluene	ND	0.50	0.20	1000	µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
1,2,3-Trichlorobenzene	ND	0.50	0.23		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
1,2,4-Trichlorobenzene	ND	0.50	0.30	70	µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
1,3,5-Trichlorobenzene	ND	0.50	0.23		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
1,1,1-Trichloroethane	ND	0.50	0.13	200	µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
1,1,2-Trichloroethane	ND	0.50	0.13	5	µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
Trichloroethylene	ND	0.50	0.18	5	µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50	0.16		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
1,2,3-Trichloropropane	ND	0.50	0.13		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
1,2,4-Trimethylbenzene	ND	0.50	0.21		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
1,3,5-Trimethylbenzene	ND	0.50	0.18		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
Vinyl Chloride	ND	0.50	0.29	2	µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
m&p-Xylene	ND	1.0	0.40		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
o-Xylene	ND	0.50	0.21		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH
Xylenes (total)	ND	1.5	0.61	10000	µg/L	1		EPA 524.2	6/10/25	6/11/25 0:15	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
4-Bromofluorobenzene	103	80-120		6/11/25 0:15
1,2-Dichlorobenzene-d4	110	80-120		6/11/25 0:15

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol VT | Sample Description: | Work Order: 25F0422

Date Received: 6/5/2025

Field Sample #: 178-HD | Sampled: 6/4/2025 12:10

Sample ID: 25F0422-09

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.21	5	µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
Bromobenzene	ND	0.50	0.16		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
Bromochloromethane	ND	0.50	0.17		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
Bromodichloromethane	ND	0.50	0.14		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
Bromoform	ND	0.50	0.19		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
Bromomethane	ND	0.50	0.24		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
n-Butylbenzene	ND	0.50	0.19		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
sec-Butylbenzene	ND	0.50	0.19		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
tert-Butylbenzene	ND	0.50	0.17		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
Carbon Tetrachloride	ND	0.50	0.18	5	µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
Chlorobenzene	ND	0.50	0.14	100	µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
Chloroethane	ND	0.50	0.20		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
Chloroform	ND	0.50	0.18		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
Chloromethane	ND	0.50	0.35		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
2-Chlorotoluene	ND	0.50	0.16		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
4-Chlorotoluene	ND	0.50	0.19		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
Dibromochloromethane	ND	0.50	0.12		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
Dibromomethane	ND	0.50	0.15		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
1,2-Dichlorobenzene	ND	0.50	0.14	600	µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
1,3-Dichlorobenzene	ND	0.50	0.16		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
1,4-Dichlorobenzene	ND	0.50	0.18	75	µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.18		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
1,1-Dichloroethane	ND	0.50	0.17		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
1,2-Dichloroethane	ND	0.50	0.18	5	µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
1,1-Dichloroethylene	ND	0.50	0.12	7	µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
cis-1,2-Dichloroethylene	ND	0.50	0.16	70	µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
trans-1,2-Dichloroethylene	ND	0.50	0.21	100	µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
1,2-Dichloropropane	ND	0.50	0.20	5	µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
1,3-Dichloropropane	ND	0.50	0.12		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
2,2-Dichloropropane	ND	0.50	0.18		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
1,1-Dichloropropene	ND	0.50	0.17		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
cis-1,3-Dichloropropene	ND	0.50	0.12		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
1,3-Dichloropropene (total)	ND	1.0	0.25		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
Ethylbenzene	ND	0.50	0.20	700	µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
Hexachlorobutadiene	ND	0.50	0.29		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
Isopropylbenzene (Cumene)	ND	0.50	0.19		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	0.18		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.11		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
Methylene Chloride	ND	0.50	0.21	5	µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
Naphthalene	ND	1.0	0.27		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
n-Propylbenzene	ND	0.50	0.17		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
Styrene	ND	0.50	0.19	100	µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	0.13		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Bristol VT | Sample Description: | Work Order: 25F0422

Date Received: 6/5/2025

Field Sample #: 178-HD | Sampled: 6/4/2025 12:10

Sample ID: 25F0422-09

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.14		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
Tetrachloroethylene	ND	0.50	0.25	5	µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
Toluene	ND	0.50	0.20	1000	µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
1,2,3-Trichlorobenzene	ND	0.50	0.23		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
1,2,4-Trichlorobenzene	ND	0.50	0.30	70	µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
1,3,5-Trichlorobenzene	ND	0.50	0.23		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
1,1,1-Trichloroethane	ND	0.50	0.13	200	µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
1,1,2-Trichloroethane	ND	0.50	0.13	5	µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
Trichloroethylene	ND	0.50	0.18	5	µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50	0.16		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
1,2,3-Trichloropropane	ND	0.50	0.13		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
1,2,4-Trimethylbenzene	ND	0.50	0.21		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
1,3,5-Trimethylbenzene	ND	0.50	0.18		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
Vinyl Chloride	ND	0.50	0.29	2	µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
m&p-Xylene	ND	1.0	0.40		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
o-Xylene	ND	0.50	0.21		µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH
Xylenes (total)	ND	1.5	0.61	10000	µg/L	1		EPA 524.2	6/10/25	6/11/25 0:40	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
4-Bromofluorobenzene	105	80-120		6/11/25 0:40
1,2-Dichlorobenzene-d4	112	80-120		6/11/25 0:40

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Sample Extraction Data

Prep Method: EPA 524.2-EPA 524.2

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25F0422-01 [TB]	B406894	5	5.00	06/09/25
25F0422-02 [DUP]	B406894	5	5.00	06/09/25
25F0422-03 [1002-JD]	B406894	5	5.00	06/09/25
25F0422-04 [1113-JD]	B406894	5	5.00	06/09/25

Prep Method: EPA 524.2-EPA 524.2

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25F0422-05 [1128-JD]	B406985	5	5.00	06/10/25
25F0422-06 [1145-JD]	B406985	5	5.00	06/10/25
25F0422-07 [33-HD]	B406985	5	5.00	06/10/25
25F0422-08 [77-HD]	B406985	5	5.00	06/10/25
25F0422-09 [178-HD]	B406985	5	5.00	06/10/25

Pace Analytical Services, LLC - East Longmeadow, Ma

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

QUALITY CONTROL

Drinking Water Organics EPA 500 Series Methods - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B406894 - EPA 524.2											
Blank (B406894-BLK1)					Prepared & Analyzed: 06/09/25						
Benzene	ND	0.50	0.21	µg/L							
Bromobenzene	ND	0.50	0.16	µg/L							
Bromochloromethane	ND	0.50	0.17	µg/L							
Bromodichloromethane	ND	0.50	0.14	µg/L							
Bromoform	ND	0.50	0.19	µg/L							
Bromomethane	ND	0.50	0.24	µg/L							
n-Butylbenzene	ND	0.50	0.19	µg/L							
sec-Butylbenzene	ND	0.50	0.19	µg/L							
tert-Butylbenzene	ND	0.50	0.17	µg/L							
Carbon Tetrachloride	ND	0.50	0.18	µg/L							
Chlorobenzene	ND	0.50	0.14	µg/L							
Chloroethane	ND	0.50	0.20	µg/L							
Chloroform	ND	0.50	0.18	µg/L							
Chloromethane	ND	0.50	0.35	µg/L							
2-Chlorotoluene	ND	0.50	0.16	µg/L							
4-Chlorotoluene	ND	0.50	0.19	µg/L							
Dibromochloromethane	ND	0.50	0.12	µg/L							
Dibromomethane	ND	0.50	0.15	µg/L							
1,2-Dichlorobenzene	ND	0.50	0.14	µg/L							
1,3-Dichlorobenzene	ND	0.50	0.16	µg/L							
1,4-Dichlorobenzene	ND	0.50	0.18	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.18	µg/L							
1,1-Dichloroethane	ND	0.50	0.17	µg/L							
1,2-Dichloroethane	ND	0.50	0.18	µg/L							
1,1-Dichloroethylene	ND	0.50	0.12	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	0.16	µg/L							
trans-1,2-Dichloroethylene	ND	0.50	0.21	µg/L							
1,2-Dichloropropane	ND	0.50	0.20	µg/L							
1,3-Dichloropropane	ND	0.50	0.12	µg/L							
2,2-Dichloropropane	ND	0.50	0.18	µg/L							
1,1-Dichloropropene	ND	0.50	0.17	µg/L							
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L							
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L							
Ethylbenzene	ND	0.50	0.20	µg/L							
Hexachlorobutadiene	ND	0.50	0.29	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	0.19	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	0.50	0.18	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.11	µg/L							
Methylene Chloride	ND	0.50	0.21	µg/L							
Naphthalene	ND	1.0	0.27	µg/L							
n-Propylbenzene	ND	0.50	0.17	µg/L							
Styrene	ND	0.50	0.19	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	0.13	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L							
Tetrachloroethylene	ND	0.50	0.25	µg/L							
Toluene	ND	0.50	0.20	µg/L							
1,2,3-Trichlorobenzene	ND	0.50	0.23	µg/L							
1,2,4-Trichlorobenzene	ND	0.50	0.30	µg/L							
1,3,5-Trichlorobenzene	ND	0.50	0.23	µg/L							
1,1,1-Trichloroethane	ND	0.50	0.13	µg/L							

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QUALITY CONTROL

Drinking Water Organics EPA 500 Series Methods - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B406894 - EPA 524.2												
Blank (B406894-BLK1)					Prepared & Analyzed: 06/09/25							
1,1,2-Trichloroethane	ND	0.50	0.13	µg/L								
Trichloroethylene	ND	0.50	0.18	µg/L								
Trichlorofluoromethane (Freon 11)	ND	0.50	0.16	µg/L								
1,2,3-Trichloropropane	ND	0.50	0.13	µg/L								
1,2,4-Trimethylbenzene	ND	0.50	0.21	µg/L								
1,3,5-Trimethylbenzene	ND	0.50	0.18	µg/L								
Vinyl Chloride	ND	0.50	0.29	µg/L								
m&p-Xylene	ND	1.0	0.40	µg/L								
o-Xylene	ND	0.50	0.21	µg/L								
Surrogate: 4-Bromofluorobenzene	*25.6*			µg/L	25.00		102		80-120			
Surrogate: 1,2-Dichlorobenzene-d4	*26.8*			µg/L	25.00		107		80-120			
LCS (B406894-BS1)					Prepared & Analyzed: 06/09/25							
Benzene	11	0.50	0.21	µg/L	10.00		107		70-130			
Bromobenzene	9.9	0.50	0.16	µg/L	10.00		99.3		70-130			
Bromochloromethane	11	0.50	0.17	µg/L	10.00		112		70-130			
Bromodichloromethane	11	0.50	0.14	µg/L	10.00		107		70-130			
Bromoform	10	0.50	0.19	µg/L	10.00		103		70-130			
Bromomethane	9.4	0.50	0.24	µg/L	10.00		94.0		70-130			
n-Butylbenzene	10	0.50	0.19	µg/L	10.00		104		70-130			
sec-Butylbenzene	10	0.50	0.19	µg/L	10.00		99.5		70-130			
tert-Butylbenzene	10	0.50	0.17	µg/L	10.00		102		70-130			
Carbon Tetrachloride	13	0.50	0.18	µg/L	10.00		127		70-130			
Chlorobenzene	12	0.50	0.14	µg/L	10.00		115		70-130			
Chloroethane	10	0.50	0.20	µg/L	10.00		101		70-130			
Chloroform	11	0.50	0.18	µg/L	10.00		108		70-130			
Chloromethane	9.8	0.50	0.35	µg/L	10.00		98.1		70-130			
2-Chlorotoluene	10	0.50	0.16	µg/L	10.00		103		70-130			
4-Chlorotoluene	11	0.50	0.19	µg/L	10.00		106		70-130			
Dibromochloromethane	11	0.50	0.12	µg/L	10.00		113		70-130			
Dibromomethane	11	0.50	0.15	µg/L	10.00		112		70-130			
1,2-Dichlorobenzene	11	0.50	0.14	µg/L	10.00		111		70-130			
1,3-Dichlorobenzene	11	0.50	0.16	µg/L	10.00		113		70-130			
1,4-Dichlorobenzene	11	0.50	0.18	µg/L	10.00		114		70-130			
Dichlorodifluoromethane (Freon 12)	14	0.50	0.18	µg/L	10.00		**136**	*	70-130			L-01
1,1-Dichloroethane	11	0.50	0.17	µg/L	10.00		111		70-130			
1,2-Dichloroethane	12	0.50	0.18	µg/L	10.00		115		70-130			
1,1-Dichloroethylene	12	0.50	0.12	µg/L	10.00		117		70-130			
cis-1,2-Dichloroethylene	11	0.50	0.16	µg/L	10.00		112		70-130			
trans-1,2-Dichloroethylene	11	0.50	0.21	µg/L	10.00		109		70-130			
1,2-Dichloropropane	11	0.50	0.20	µg/L	10.00		112		70-130			
1,3-Dichloropropane	11	0.50	0.12	µg/L	10.00		112		70-130			
2,2-Dichloropropane	11	0.50	0.18	µg/L	10.00		109		70-130			
1,1-Dichloropropene	12	0.50	0.17	µg/L	10.00		119		70-130			
cis-1,3-Dichloropropene	11	0.50	0.12	µg/L	10.00		107		70-130			
trans-1,3-Dichloropropene	10	0.50	0.14	µg/L	10.00		104		70-130			
Ethylbenzene	11	0.50	0.20	µg/L	10.00		114		70-130			
Hexachlorobutadiene	10	0.50	0.29	µg/L	10.00		105		70-130			
Isopropylbenzene (Cumene)	10	0.50	0.19	µg/L	10.00		105		70-130			
p-Isopropyltoluene (p-Cymene)	9.8	0.50	0.18	µg/L	10.00		98.4		70-130			

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QUALITY CONTROL

Drinking Water Organics EPA 500 Series Methods - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B406894 - EPA 524.2												
LCS (B406894-BS1)					Prepared & Analyzed: 06/09/25							
Methyl tert-Butyl Ether (MTBE)	9.9	0.50	0.11	µg/L	10.00		98.8		70-130			
Methylene Chloride	11	0.50	0.21	µg/L	10.00		109		70-130			
Naphthalene	9.1	1.0	0.27	µg/L	10.00		91.2		70-130			
n-Propylbenzene	11	0.50	0.17	µg/L	10.00		108		70-130			
Styrene	11	0.50	0.19	µg/L	10.00		108		70-130			
1,1,1,2-Tetrachloroethane	11	0.50	0.13	µg/L	10.00		115		70-130			
1,1,2,2-Tetrachloroethane	11	0.50	0.14	µg/L	10.00		108		70-130			
Tetrachloroethylene	12	0.50	0.25	µg/L	10.00		118		70-130			
Toluene	11	0.50	0.20	µg/L	10.00		109		70-130			
1,2,3-Trichlorobenzene	8.9	0.50	0.23	µg/L	10.00		89.4		70-130			
1,2,4-Trichlorobenzene	9.7	0.50	0.30	µg/L	10.00		96.9		70-130			
1,3,5-Trichlorobenzene	9.6	0.50	0.23	µg/L	10.00		96.3		70-130			
1,1,1-Trichloroethane	12	0.50	0.13	µg/L	10.00		116		70-130			
1,1,2-Trichloroethane	11	0.50	0.13	µg/L	10.00		107		70-130			
Trichloroethylene	12	0.50	0.18	µg/L	10.00		118		70-130			
Trichlorofluoromethane (Freon 11)	14	0.50	0.16	µg/L	10.00		**139**	*	70-130			L-01
1,2,3-Trichloropropane	11	0.50	0.13	µg/L	10.00		113		70-130			
1,2,4-Trimethylbenzene	11	0.50	0.21	µg/L	10.00		106		70-130			
1,3,5-Trimethylbenzene	10	0.50	0.18	µg/L	10.00		103		70-130			
Vinyl Chloride	11	0.50	0.29	µg/L	10.00		113		70-130			
m&p-Xylene	22	1.0	0.40	µg/L	20.00		109		70-130			
o-Xylene	11	0.50	0.21	µg/L	10.00		110		70-130			
Surrogate: 4-Bromofluorobenzene	*25.5*			µg/L	25.00		102		80-120			
Surrogate: 1,2-Dichlorobenzene-d4	*26.7*			µg/L	25.00		107		80-120			
Batch B406985 - EPA 524.2												
Blank (B406985-BLK1)					Prepared & Analyzed: 06/10/25							
Benzene	ND	0.50	0.21	µg/L								
Bromobenzene	ND	0.50	0.16	µg/L								
Bromochloromethane	ND	0.50	0.17	µg/L								
Bromodichloromethane	ND	0.50	0.14	µg/L								
Bromoform	ND	0.50	0.19	µg/L								
Bromomethane	ND	0.50	0.24	µg/L								
n-Butylbenzene	ND	0.50	0.19	µg/L								
sec-Butylbenzene	ND	0.50	0.19	µg/L								
tert-Butylbenzene	ND	0.50	0.17	µg/L								
Carbon Tetrachloride	ND	0.50	0.18	µg/L								
Chlorobenzene	ND	0.50	0.14	µg/L								
Chloroethane	ND	0.50	0.20	µg/L								
Chloroform	ND	0.50	0.18	µg/L								
Chloromethane	ND	0.50	0.35	µg/L								
2-Chlorotoluene	ND	0.50	0.16	µg/L								
4-Chlorotoluene	ND	0.50	0.19	µg/L								
Dibromochloromethane	ND	0.50	0.12	µg/L								
Dibromomethane	ND	0.50	0.15	µg/L								
1,2-Dichlorobenzene	ND	0.50	0.14	µg/L								
1,3-Dichlorobenzene	ND	0.50	0.16	µg/L								
1,4-Dichlorobenzene	ND	0.50	0.18	µg/L								
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.18	µg/L								

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Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B406985 - EPA 524.2											
Blank (B406985-BLK1)					Prepared & Analyzed: 06/10/25						
1,1-Dichloroethane	ND	0.50	0.17	µg/L							
1,2-Dichloroethane	ND	0.50	0.18	µg/L							
1,1-Dichloroethylene	ND	0.50	0.12	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	0.16	µg/L							
trans-1,2-Dichloroethylene	ND	0.50	0.21	µg/L							
1,2-Dichloropropane	ND	0.50	0.20	µg/L							
1,3-Dichloropropane	ND	0.50	0.12	µg/L							
2,2-Dichloropropane	ND	0.50	0.18	µg/L							
1,1-Dichloropropene	ND	0.50	0.17	µg/L							
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L							
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L							
Ethylbenzene	ND	0.50	0.20	µg/L							
Hexachlorobutadiene	ND	0.50	0.29	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	0.19	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	0.50	0.18	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.11	µg/L							
Methylene Chloride	ND	0.50	0.21	µg/L							
Naphthalene	ND	1.0	0.27	µg/L							
n-Propylbenzene	ND	0.50	0.17	µg/L							
Styrene	ND	0.50	0.19	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	0.13	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L							
Tetrachloroethylene	ND	0.50	0.25	µg/L							
Toluene	ND	0.50	0.20	µg/L							
1,2,3-Trichlorobenzene	ND	0.50	0.23	µg/L							
1,2,4-Trichlorobenzene	ND	0.50	0.30	µg/L							
1,3,5-Trichlorobenzene	ND	0.50	0.23	µg/L							
1,1,1-Trichloroethane	ND	0.50	0.13	µg/L							
1,1,2-Trichloroethane	ND	0.50	0.13	µg/L							
Trichloroethylene	ND	0.50	0.18	µg/L							
Trichlorofluoromethane (Freon 11)	ND	0.50	0.16	µg/L							
1,2,3-Trichloropropane	ND	0.50	0.13	µg/L							
1,2,4-Trimethylbenzene	ND	0.50	0.21	µg/L							
1,3,5-Trimethylbenzene	ND	0.50	0.18	µg/L							
Vinyl Chloride	ND	0.50	0.29	µg/L							
m&p-Xylene	ND	1.0	0.40	µg/L							
o-Xylene	ND	0.50	0.21	µg/L							
Surrogate: 4-Bromofluorobenzene	*26.8*			µg/L	25.00		107	80-120			
Surrogate: 1,2-Dichlorobenzene-d4	*27.5*			µg/L	25.00		110	80-120			
LCS (B406985-BS1)					Prepared & Analyzed: 06/10/25						
Benzene	11	0.50	0.21	µg/L	10.00		105	70-130			
Bromobenzene	10	0.50	0.16	µg/L	10.00		100	70-130			
Bromochloromethane	10	0.50	0.17	µg/L	10.00		101	70-130			
Bromodichloromethane	9.8	0.50	0.14	µg/L	10.00		98.3	70-130			
Bromoform	9.4	0.50	0.19	µg/L	10.00		93.6	70-130			
Bromomethane	10	0.50	0.24	µg/L	10.00		101	70-130			
n-Butylbenzene	9.7	0.50	0.19	µg/L	10.00		96.7	70-130			
sec-Butylbenzene	9.6	0.50	0.19	µg/L	10.00		96.5	70-130			
tert-Butylbenzene	9.4	0.50	0.17	µg/L	10.00		94.0	70-130			

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Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B406985 - EPA 524.2												
LCS (B406985-BS1)					Prepared & Analyzed: 06/10/25							
Carbon Tetrachloride	12	0.50	0.18	µg/L	10.00		115		70-130			
Chlorobenzene	11	0.50	0.14	µg/L	10.00		111		70-130			
Chloroethane	9.0	0.50	0.20	µg/L	10.00		89.8		70-130			
Chloroform	10	0.50	0.18	µg/L	10.00		101		70-130			
Chloromethane	9.5	0.50	0.35	µg/L	10.00		95.4		70-130			
2-Chlorotoluene	9.8	0.50	0.16	µg/L	10.00		97.8		70-130			
4-Chlorotoluene	10	0.50	0.19	µg/L	10.00		101		70-130			
Dibromochloromethane	10	0.50	0.12	µg/L	10.00		103		70-130			
Dibromomethane	11	0.50	0.15	µg/L	10.00		110		70-130			
1,2-Dichlorobenzene	11	0.50	0.14	µg/L	10.00		107		70-130			
1,3-Dichlorobenzene	11	0.50	0.16	µg/L	10.00		107		70-130			
1,4-Dichlorobenzene	11	0.50	0.18	µg/L	10.00		107		70-130			
Dichlorodifluoromethane (Freon 12)	13	0.50	0.18	µg/L	10.00		127		70-130			
1,1-Dichloroethane	11	0.50	0.17	µg/L	10.00		107		70-130			
1,2-Dichloroethane	11	0.50	0.18	µg/L	10.00		108		70-130			
1,1-Dichloroethylene	12	0.50	0.12	µg/L	10.00		116		70-130			
cis-1,2-Dichloroethylene	11	0.50	0.16	µg/L	10.00		106		70-130			
trans-1,2-Dichloroethylene	11	0.50	0.21	µg/L	10.00		105		70-130			
1,2-Dichloropropane	10	0.50	0.20	µg/L	10.00		104		70-130			
1,3-Dichloropropane	10	0.50	0.12	µg/L	10.00		102		70-130			
2,2-Dichloropropane	9.1	0.50	0.18	µg/L	10.00		90.6		70-130			
1,1-Dichloropropene	12	0.50	0.17	µg/L	10.00		119		70-130			
cis-1,3-Dichloropropene	10	0.50	0.12	µg/L	10.00		99.8		70-130			
trans-1,3-Dichloropropene	9.6	0.50	0.14	µg/L	10.00		95.6		70-130			
Ethylbenzene	11	0.50	0.20	µg/L	10.00		107		70-130			
Hexachlorobutadiene	9.9	0.50	0.29	µg/L	10.00		98.8		70-130			
Isopropylbenzene (Cumene)	11	0.50	0.19	µg/L	10.00		106		70-130			
p-Isopropyltoluene (p-Cymene)	9.2	0.50	0.18	µg/L	10.00		92.5		70-130			
Methyl tert-Butyl Ether (MTBE)	9.6	0.50	0.11	µg/L	10.00		95.5		70-130			
Methylene Chloride	11	0.50	0.21	µg/L	10.00		106		70-130			
Naphthalene	9.1	1.0	0.27	µg/L	10.00		91.0		70-130			
n-Propylbenzene	10	0.50	0.17	µg/L	10.00		101		70-130			
Styrene	11	0.50	0.19	µg/L	10.00		105		70-130			
1,1,1,2-Tetrachloroethane	11	0.50	0.13	µg/L	10.00		110		70-130			
1,1,2,2-Tetrachloroethane	10	0.50	0.14	µg/L	10.00		104		70-130			
Tetrachloroethylene	11	0.50	0.25	µg/L	10.00		114		70-130			
Toluene	11	0.50	0.20	µg/L	10.00		109		70-130			
1,2,3-Trichlorobenzene	8.6	0.50	0.23	µg/L	10.00		86.1		70-130			
1,2,4-Trichlorobenzene	9.2	0.50	0.30	µg/L	10.00		91.6		70-130			
1,3,5-Trichlorobenzene	9.3	0.50	0.23	µg/L	10.00		93.1		70-130			
1,1,1-Trichloroethane	11	0.50	0.13	µg/L	10.00		109		70-130			
1,1,2-Trichloroethane	11	0.50	0.13	µg/L	10.00		107		70-130			
Trichloroethylene	12	0.50	0.18	µg/L	10.00		116		70-130			
Trichlorofluoromethane (Freon 11)	13	0.50	0.16	µg/L	10.00		**131**	*	70-130			L-01
1,2,3-Trichloropropane	11	0.50	0.13	µg/L	10.00		106		70-130			
1,2,4-Trimethylbenzene	9.9	0.50	0.21	µg/L	10.00		99.1		70-130			
1,3,5-Trimethylbenzene	9.8	0.50	0.18	µg/L	10.00		98.1		70-130			
Vinyl Chloride	11	0.50	0.29	µg/L	10.00		113		70-130			
m&p-Xylene	21	1.0	0.40	µg/L	20.00		107		70-130			
o-Xylene	11	0.50	0.21	µg/L	10.00		108		70-130			

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Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B406985 - EPA 524.2											
LCS (B406985-BS1)					Prepared & Analyzed: 06/10/25						
Surrogate: 4-Bromofluorobenzene	*26.3*			µg/L	25.00		105	80-120			
Surrogate: 1,2-Dichlorobenzene-d4	*26.7*			µg/L	25.00		107	80-120			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-01	Laboratory fortified blank/laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA 524.2 in Drinking Water	
Benzene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
Bromobenzene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
Bromochloromethane	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
Bromodichloromethane	MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
Bromoform	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
Bromomethane	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
n-Butylbenzene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
sec-Butylbenzene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
tert-Butylbenzene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
Carbon Tetrachloride	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
Chlorobenzene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
Chloroethane	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
Chloroform	MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
Chloromethane	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
2-Chlorotoluene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
4-Chlorotoluene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
Dibromochloromethane	MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
Dibromomethane	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
1,2-Dichlorobenzene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
1,3-Dichlorobenzene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
1,4-Dichlorobenzene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
Dichlorodifluoromethane (Freon 12)	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
1,1-Dichloroethane	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
1,2-Dichloroethane	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
1,1-Dichloroethylene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
cis-1,2-Dichloroethylene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
trans-1,2-Dichloroethylene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
1,2-Dichloropropane	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
1,3-Dichloropropane	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
2,2-Dichloropropane	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
1,1-Dichloropropene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
cis-1,3-Dichloropropene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
trans-1,3-Dichloropropene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
1,3-Dichloropropene (total)	CT,MA
Ethylbenzene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
Hexachlorobutadiene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
Isopropylbenzene (Cumene)	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
p-Isopropyltoluene (p-Cymene)	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
Methyl tert-Butyl Ether (MTBE)	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
Methylene Chloride	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
Naphthalene	NY,ME,NJ,PA
n-Propylbenzene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
Styrene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
1,1,1,2-Tetrachloroethane	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
1,1,2,2-Tetrachloroethane	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
Tetrachloroethylene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
Toluene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA

Pace Analytical Services, LLC - East Longmeadow, Ma

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA 524.2 in Drinking Water	
1,2,3-Trichlorobenzene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
1,2,4-Trichlorobenzene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
1,3,5-Trichlorobenzene	ME,NJ,PA
1,1,1-Trichloroethane	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
1,1,2-Trichloroethane	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
Trichloroethylene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
Trichlorofluoromethane (Freon 11)	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
1,2,3-Trichloropropane	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
1,2,4-Trimethylbenzene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
1,3,5-Trimethylbenzene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
Vinyl Chloride	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
m&p-Xylene	NH,ME,VA,NJ,PA
o-Xylene	NH,ME,VA,NJ,PA
Xylenes (total)	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA

Pace Analytical Services, LLC - East Longmeadow, Ma, operates under the following certifications and accreditations:

Code	Description	Number	Expires
MA	Massachusetts DEP	M-MA100	06/30/2025
CT	Connecticut Department of Public Health	PH-0821	12/31/2026
NY	New York State Department of Health	10899 NELAP	04/1/2026
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2026
RI	Rhode Island Department of Health	LAO00373	12/30/2025
NJ	New Jersey DEP	MA007 NELAP	06/30/2025
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2026
ME	State of Maine	MA00100	06/9/2027
VA	Commonwealth of Virginia	460217	12/14/2025
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2026

25F0422

Pace Analytical

Phone: 413-525-2332
Fax: 413-525-6405
Access COC's and Support Requests

http://www.pacelabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 5_07/13/2021

Page 1 of 1

Company Name:	Atlas
Address:	57 Knight Ln, Williston, VT
Phone:	802-862-1980
Project Name:	Merrissey
Project Location:	Bristol/Starksboro, VT
Project Number:	180-EM01370
Project Manager:	Johanna Palmer
Pace Quote Name/Number:	
Invoice Recipient:	
Sampled By:	Amelia Kennedy

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

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

Data Delivery	
Format: PDF	☒ EXCEL ☒
Other:	
CLP Like Data Pkg Required:	☐
Email To:	johanna.palmer@atlas-em.com
Fax To #:	

Dissolved Metals Samples	
○	Field Filtered
○	Lab to Filter

Orthophosphate Samples	
○	Field Filtered
○	Lab to Filter

PCB ONLY

SOXHLET ☐

NON SOXHLET ☐

ANALYSIS REQUESTED

Pace Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	5242											
	TB	6/4/25	0800	G	W	L	2					X											
	DUP		0001			U	3																
	1002-TD		930																				
	1113-TD		1000																				
	1128-TD		1025																				
	1145-TD		1050																				
	33-HD		1120																				
	77-HD		1150																				
	178-HD	6/4/25	1210	G	W	U	3					X											

Relinquished by: (signature) AK Date/Time: 6/4/25 1315

Received by: (signature) Alicia Mayer Date/Time: 6/4/25 1315

Relinquished by: (signature) Alicia Mayer Date/Time: 6/5/25 1345

Received by: (signature) Date/Time: 6-5-25 13:45

Relinquished by: (signature) Date/Time: 6-5-25 19:05

Received by: (signature) Date/Time: 6/5/25 1905

Relinquished by: (signature) Date/Time:

Received by: (signature) Date/Time:

Client Comments: please report to NDL
please add to GW results (same proj)

Detection Limit Requirements	
MA	
CT	
Other:	

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

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

NELAC and AIHA-LAP, LLC Accredited

Project Entity

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

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

Comments:

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

[2] Preservation Code

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

Glassware in the fridge? Y / N

Glassware in freezer? Y / N

Prepackaged Cooler? Y / N

*Pace Analytical is not responsible for missing samples from prepacked coolers

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

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Exhibit S

Table of Contents

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0001 v08_Sample Receiving Checklist
	Effective Date: 06/11/2024

Log In Back-Sheet

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

Client Atlas

Project Morrissey

MCP/RCP Required

Deliverable Package Requirement

Location Bristol, VT

PWSID# (When Applicable)

Arrival Method:

Courier ☑ Fed Ex ☐ Walk In ☐ Other ☐

Received By / Date / Time MARK 6-5-25 @ 19:05

Back-Sheet By / Date / Time Eli 6-6-25 @ 15:12

Temperature Method Gun # 6

WV samples: Yes (see note*) / No (follow normal procedure)

Temp < 6° C Actual Temperature 2.0

Rush Samples: Yes / (No) Notify

Short Hold: Yes / (No) Notify

	True	False
Received on Ice	☑	☐
Received in Cooler	☑	☐
Custody Seal: DATE TIME	☐	☑
COC Relinquished	☑	☐
COC/Samples Labels Agree	☑	☐
All Samples in Good Condition	☑	☐
Samples Received within Holding Time	☑	☐
Is there enough Volume	☑	☐
Proper Media/Container Used	☑	☐
Splitting Samples Required	☐	☑
MS/MSD	☐	☑
Trip Blanks	☑	☐
Lab to Filters	☐	☑
COC Legible	☑	☐

COC Included: (Check all included)

Client ☑ Analysis ☑ Sampler Name ☑

Project ☑ IDs ☑ Collection Date/Time ☑

All Samples Proper pH: N/A ☐ ☐

Notes regarding Samples/COC outside of SOP:

Additional Container Notes

***Note: West Virginia requires all samples to have their temperature taken. Note any outliers.**

Qualtrax ID: 120836

Exhibit S

Qualtrax ID: 120836

DC#_Title: ENV-FRM-ELON-0001 v08_Sample Receiving Checklist	Effective Date: 06/11/2024

Sample		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Soils Jars (Circle Amb/Clear)	16oz Amb/Clear																				
	8oz Amb/Clear																				
	4oz Amb/Clear																				
	2oz Amb/Clear																				
Ambers	1 Liter Unpreserved																				
	1 Liter HCL																				
	1 Liter Sulfuric																				
	250ml Sulfuric																				
	250ml Phosphoric																				
	250ml HCl																				
	100ml Unpreserved																				
Plastics	1 Liter Unpreserved																				
	1 Liter Sulfuric																				
	500ml Unpreserved																				
	500ml Sulfuric																				
	250ml Unpreserved																				
	250ml Trizma																				
	250ml Sulfuric																				
	250ml Nitric																				
	250ml NaOH																				
	250ml Ammonium Acetate																				
	250ml NaOH/Zinc																				
VOA Vials	Unpreserved																				
	HCl	2	3	→					4	3											
	MeOH																				
	D.I. Water																				
	Bisulfate																				
Other / Fill in	Col/Bact																				

Exhibit S

Pace Analytical Services, LLC - East Longmeadow, Ma

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

August 13, 2025

Jo Palmer
Atlas Technical Consultants - Vermont
51 Knight Lane, PO Box 1486
Williston, VT 05495

Project Location: Starksboro, VT
Client Job Number:
Project Number: 280EM01394
Laboratory Work Order Number: 25H0214

Enclosed are results of analyses for samples as received by the laboratory on August 5, 2025. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Rebecca Faust
Project Manager

Exhibit S

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B410915 30

Semivolatile Organic Compounds by GC/MS 35

B410891 35

B411051 40

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B410835 45

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Pace Analytical Services, LLC - East Longmeadow, Ma

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

Atlas Technical Consultants - Vermont
51 Knight Lane, PO Box 1486
Williston, VT 05495
ATTN: Jo Palmer

REPORT DATE: 8/13/2025

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 280EM01394

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 25H0214

The results of analyses performed on the following samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, are found in this report.

PROJECT LOCATION: Starksboro, VT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Poet - Influent	25H0214-01	Drinking Water		EPA 524.2	
TB	25H0214-02	Trip Blank Water		SW-846 8260D	
DUP	25H0214-03	Ground Water		SW-846 8260D	
MW-4	25H0214-04	Ground Water		SW-846 8260D	
				SW-846 8270E	
MW-5	25H0214-05	Ground Water		SW-846 8260D	
				SW-846 8270E	
MW-7	25H0214-06	Ground Water		SW-846 8260D	
				SW-846 8270E	
MW-8	25H0214-07	Ground Water		SW-846 8260D	
				SW-846 8270E	

Pace Analytical Services, LLC - East Longmeadow, Ma

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

CASE NARRATIVE SUMMARY

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

Pace Analytical Services, LLC - East Longmeadow, Ma

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

EPA 524.2

Qualifications:

L-01

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

Analyte & Samples(s) Qualified:

1,1-Dichloropropene
B410835-BS1

Dichlorodifluoromethane (Freon 12
B410835-BS1

Trichlorofluoromethane (Freon 11)
B410835-BS1

SW-846 8260D

Qualifications:

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

Dichlorodifluoromethane (Freon 12
25H0214-02[TB], 25H0214-03[DUP], 25H0214-04[MW-4], 25H0214-05[MW-5], 25H0214-06[MW-7], 25H0214-07[MW-8], B410915-BLK1, B410915-BS1, B410915-BSD1, S124793-CCV1

V-20

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

Analyte & Samples(s) Qualified:

Chloromethane
B410915-BS1, B410915-BSD1, S124793-CCV1

SW-846 8270E

Qualifications:

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

1,2-Dichlorobenzene
25H0214-04[MW-4], 25H0214-05[MW-5], 25H0214-07[MW-8], B410891-BLK1, B410891-BS1, B410891-BSD1

1,3-Dichlorobenzene
25H0214-04[MW-4], 25H0214-05[MW-5], 25H0214-07[MW-8], B410891-BLK1, B410891-BS1, B410891-BSD1

1,4-Dichlorobenzene
25H0214-04[MW-4], 25H0214-05[MW-5], 25H0214-07[MW-8], B410891-BLK1, B410891-BS1, B410891-BSD1

Hexachlorobutadiene
25H0214-04[MW-4], 25H0214-05[MW-5], 25H0214-07[MW-8], B410891-BLK1, B410891-BS1, B410891-BSD1

Hexachloroethane
25H0214-04[MW-4], 25H0214-05[MW-5], 25H0214-07[MW-8], B410891-BLK1, B410891-BS1, B410891-BSD1

N-Nitrosodimethylamine
25H0214-04[MW-4], 25H0214-05[MW-5], 25H0214-06[MW-7], 25H0214-07[MW-8], B410891-BLK1, B410891-BS1, B410891-BSD1, B411051-BLK1, B411051-BS1, B411051-BSD1

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

1,2,4-Trichlorobenzene
B410891-BS1

L-07A

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:

Benzidine
B410891-BS1, B411051-BS1

Exhibit S

Pace Analytical Services, LLC - East Longmeadow, Ma

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R-05

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

Analyte & Samples(s) Qualified:

Benzidine

B410891-BSD1, B411051-BSD1

V-35

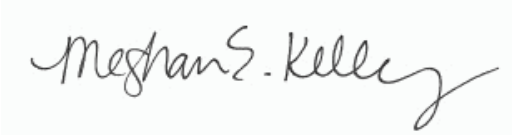
Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

2-Nitroaniline

25H0214-04[MW-4], 25H0214-05[MW-5], 25H0214-06[MW-7], 25H0214-07[MW-8], B410891-BLK1, B410891-BS1, B410891-BSD1, B411051-BLK1, B411051-BS1, B411051-BSD1, S122498-ICV1, S124863-CCV1, S124932-CCV1

The results of analyses reported only relate to samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Meghan E. Kelley
Reporting Specialist

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Starksboro, VT | Sample Description: | Work Order: 25H0214

Date Received: 8/5/2025

Field Sample #: Poet - Influent | Sampled: 8/4/2025 09:15

Sample ID: 25H0214-01

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	45	0.50	0.21	5	µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
Bromobenzene	ND	0.50	0.16		µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
Bromochloromethane	ND	0.50	0.17		µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
Bromodichloromethane	ND	0.50	0.14		µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
Bromoform	ND	0.50	0.19		µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
Bromomethane	ND	0.50	0.24		µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
n-Butylbenzene	ND	0.50	0.19		µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
sec-Butylbenzene	ND	0.50	0.19		µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
tert-Butylbenzene	ND	0.50	0.17		µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
Carbon Tetrachloride	ND	0.50	0.18	5	µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
Chlorobenzene	ND	0.50	0.14	100	µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
Chloroethane	ND	0.50	0.20		µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
Chloroform	ND	0.50	0.18		µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
Chloromethane	ND	0.50	0.35		µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
2-Chlorotoluene	ND	0.50	0.16		µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
4-Chlorotoluene	ND	0.50	0.19		µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
Dibromochloromethane	ND	0.50	0.12		µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
Dibromomethane	ND	0.50	0.15		µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
1,2-Dichlorobenzene	ND	0.50	0.14	600	µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
1,3-Dichlorobenzene	ND	0.50	0.16		µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
1,4-Dichlorobenzene	ND	0.50	0.18	75	µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.18		µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
1,1-Dichloroethane	ND	0.50	0.17		µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
1,2-Dichloroethane	ND	0.50	0.18	5	µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
1,1-Dichloroethylene	ND	0.50	0.12	7	µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
cis-1,2-Dichloroethylene	ND	0.50	0.16	70	µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
trans-1,2-Dichloroethylene	ND	0.50	0.21	100	µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
1,2-Dichloropropane	ND	0.50	0.20	5	µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
1,3-Dichloropropane	ND	0.50	0.12		µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
2,2-Dichloropropane	ND	0.50	0.18		µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
1,1-Dichloropropene	ND	0.50	0.17		µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
cis-1,3-Dichloropropene	ND	0.50	0.12		µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14		µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
1,3-Dichloropropene (total)	ND	1.0	0.25		µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
Ethylbenzene	0.47	0.50	0.20	700	µg/L	1	J	EPA 524.2	8/8/25	8/8/25 15:59	EEH
Hexachlorobutadiene	ND	0.50	0.29		µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
Isopropylbenzene (Cumene)	0.59	0.50	0.19		µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	0.18		µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
Methyl tert-Butyl Ether (MTBE)	0.36	0.50	0.11		µg/L	1	J	EPA 524.2	8/8/25	8/8/25 15:59	EEH
Methylene Chloride	ND	0.50	0.21	5	µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
Naphthalene	ND	1.0	0.27		µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
n-Propylbenzene	0.52	0.50	0.17		µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
Styrene	ND	0.50	0.19	100	µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	0.13		µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Starksboro, VT | Sample Description: | Work Order: 25H0214

Date Received: 8/5/2025

Field Sample #: Poet - Influent | Sampled: 8/4/2025 09:15

Sample ID: 25H0214-01

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.14		µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
Tetrachloroethylene	1.7	0.50	0.25	5	µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
Toluene	19	0.50	0.20	1000	µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
1,2,3-Trichlorobenzene	ND	0.50	0.23		µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
1,2,4-Trichlorobenzene	ND	0.50	0.30	70	µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
1,3,5-Trichlorobenzene	ND	0.50	0.23		µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
1,1,1-Trichloroethane	ND	0.50	0.13	200	µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
1,1,2-Trichloroethane	ND	0.50	0.13	5	µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
Trichloroethylene	ND	0.50	0.18	5	µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50	0.16		µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
1,2,3-Trichloropropane	ND	0.50	0.13		µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
1,2,4-Trimethylbenzene	1.8	0.50	0.21		µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
1,3,5-Trimethylbenzene	0.67	0.50	0.18		µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
Vinyl Chloride	ND	0.50	0.29	2	µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
m&p-Xylene	7.6	1.0	0.40		µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
o-Xylene	31	0.50	0.21		µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH
Xylenes (total)	38	1.5	0.61	10000	µg/L	1		EPA 524.2	8/8/25	8/8/25 15:59	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
4-Bromofluorobenzene	103	80-120		8/8/25 15:59
1,2-Dichlorobenzene-d4	98.1	80-120		8/8/25 15:59

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Starksboro, VT | Sample Description: | Work Order: 25H0214

Date Received: 8/5/2025

Field Sample #: TB | Sampled: 8/4/2025 07:00

Sample ID: 25H0214-02

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	3.9	50	1.9	µg/L	1	J	SW-846 8260D	8/6/25	8/7/25 13:27	MFF
Acrylonitrile	ND	5.0	1.2	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.11	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
Benzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
Bromobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
Bromochloromethane	ND	1.0	0.34	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
Bromoform	ND	1.0	0.32	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
Bromomethane	ND	5.0	0.91	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
2-Butanone (MEK)	ND	20	1.5	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
tert-Butyl Alcohol (TBA)	ND	20	3.8	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
n-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
sec-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.12	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
Carbon Tetrachloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
Chlorodibromomethane	ND	0.50	0.12	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
Chloroethane	ND	2.0	0.43	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
Chloroform	2.1	2.0	0.14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
Chloromethane	ND	2.0	0.39	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
4-Chlorotoluene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.62	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.12	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
Dibromomethane	ND	1.0	0.20	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
1,4-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.4	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.23	µg/L	1	V-05	SW-846 8260D	8/6/25	8/7/25 13:27	MFF
1,1-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
1,2-Dichloroethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
1,1-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
1,2-Dichloropropane	ND	1.0	0.20	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
2,2-Dichloropropane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
1,1-Dichloropropene	ND	2.0	0.17	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
trans-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
Diethyl Ether	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Starksboro, VT | Sample Description: | Work Order: 25H0214

Date Received: 8/5/2025

Field Sample #: TB | Sampled: 8/4/2025 07:00

Sample ID: 25H0214-02

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.21	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
1,4-Dioxane	ND	50	14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
Ethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
Hexachlorobutadiene	ND	0.60	0.24	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
Methyl Acetate	ND	2.0	0.40	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
Methyl Cyclohexane	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
Methylene Chloride	ND	5.0	0.17	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
Naphthalene	ND	2.0	0.21	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
Styrene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.11	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
Tetrachloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
Tetrahydrofuran	ND	10	0.48	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.21	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
1,1,2-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
Trichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
1,2,3-Trichloropropane	ND	2.0	0.23	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
Vinyl Chloride	ND	2.0	0.22	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
m+p Xylene	ND	2.0	0.30	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/6/25	8/7/25 13:27	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	104	70-130		8/7/25 13:27
Toluene-d8	100	70-130		8/7/25 13:27
4-Bromofluorobenzene	91.6	70-130		8/7/25 13:27

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Starksboro, VT | Sample Description: | Work Order: 25H0214

Date Received: 8/5/2025

Field Sample #: DUP | Sampled: 8/4/2025 00:01

Sample ID: 25H0214-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	5.1	50	1.9	µg/L	1	J	SW-846 8260D	8/6/25	8/7/25 15:11	MFF
Acrylonitrile	ND	5.0	1.2	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.11	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
Benzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
Bromobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
Bromochloromethane	ND	1.0	0.34	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
Bromoform	ND	1.0	0.32	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
Bromomethane	ND	5.0	0.91	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
2-Butanone (MEK)	ND	20	1.5	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
tert-Butyl Alcohol (TBA)	ND	20	3.8	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
n-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
sec-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.12	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
Carbon Tetrachloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
Chlorodibromomethane	ND	0.50	0.12	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
Chloroethane	ND	2.0	0.43	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
Chloromethane	ND	2.0	0.39	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
4-Chlorotoluene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.62	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.12	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
Dibromomethane	ND	1.0	0.20	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
1,4-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.4	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.23	µg/L	1	V-05	SW-846 8260D	8/6/25	8/7/25 15:11	MFF
1,1-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
1,2-Dichloroethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
1,1-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
1,2-Dichloropropane	ND	1.0	0.20	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
2,2-Dichloropropane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
1,1-Dichloropropene	ND	2.0	0.17	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
trans-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
Diethyl Ether	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Starksboro, VT | Sample Description: | Work Order: 25H0214

Date Received: 8/5/2025

Field Sample #: DUP | Sampled: 8/4/2025 00:01

Sample ID: 25H0214-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.21	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
1,4-Dioxane	ND	50	14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
Ethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
Hexachlorobutadiene	ND	0.60	0.24	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
Methyl Acetate	ND	2.0	0.40	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
Methyl Cyclohexane	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
Methylene Chloride	ND	5.0	0.17	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
Naphthalene	ND	2.0	0.21	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
Styrene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.11	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
Tetrachloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
Tetrahydrofuran	ND	10	0.48	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.21	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
1,1,2-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
Trichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
1,2,3-Trichloropropane	ND	2.0	0.23	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
Vinyl Chloride	ND	2.0	0.22	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
m+p Xylene	ND	2.0	0.30	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:11	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	104	70-130		8/7/25 15:11
Toluene-d8	101	70-130		8/7/25 15:11
4-Bromofluorobenzene	92.0	70-130		8/7/25 15:11

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Starksboro, VT | Sample Description: | Work Order: 25H0214

Date Received: 8/5/2025

Field Sample #: MW-4 | Sampled: 8/4/2025 15:15

Sample ID: 25H0214-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	6.4	50	1.9	µg/L	1	J	SW-846 8260D	8/6/25	8/7/25 15:37	MFF
Acrylonitrile	ND	5.0	1.2	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.11	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
Benzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
Bromobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
Bromochloromethane	ND	1.0	0.34	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
Bromoform	ND	1.0	0.32	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
Bromomethane	ND	5.0	0.91	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
2-Butanone (MEK)	ND	20	1.5	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
tert-Butyl Alcohol (TBA)	ND	20	3.8	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
n-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
sec-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.12	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
Carbon Tetrachloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
Chlorodibromomethane	ND	0.50	0.12	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
Chloroethane	ND	2.0	0.43	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
Chloromethane	ND	2.0	0.39	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
4-Chlorotoluene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.62	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.12	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
Dibromomethane	ND	1.0	0.20	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
1,4-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.4	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.23	µg/L	1	V-05	SW-846 8260D	8/6/25	8/7/25 15:37	MFF
1,1-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
1,2-Dichloroethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
1,1-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
1,2-Dichloropropane	ND	1.0	0.20	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
2,2-Dichloropropane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
1,1-Dichloropropene	ND	2.0	0.17	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
trans-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
Diethyl Ether	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Starksboro, VT | Sample Description: | Work Order: 25H0214

Date Received: 8/5/2025

Field Sample #: MW-4 | Sampled: 8/4/2025 15:15

Sample ID: 25H0214-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.21	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
1,4-Dioxane	ND	50	14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
Ethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
Hexachlorobutadiene	ND	0.60	0.24	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
Methyl Acetate	ND	2.0	0.40	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
Methyl Cyclohexane	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
Methylene Chloride	ND	5.0	0.17	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
Naphthalene	ND	2.0	0.21	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
Styrene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.11	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
Tetrachloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
Tetrahydrofuran	ND	10	0.48	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.21	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
1,1,2-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
Trichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
1,2,3-Trichloropropane	ND	2.0	0.23	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
Vinyl Chloride	ND	2.0	0.22	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
m+p Xylene	ND	2.0	0.30	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/6/25	8/7/25 15:37	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	104	70-130		8/7/25 15:37
Toluene-d8	99.8	70-130		8/7/25 15:37
4-Bromofluorobenzene	90.8	70-130		8/7/25 15:37

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Starksboro, VT | Sample Description: | Work Order: 25H0214

Date Received: 8/5/2025

Field Sample #: MW-4 | Sampled: 8/4/2025 15:15

Sample ID: 25H0214-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	3.9	0.69	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
Acenaphthylene	ND	3.9	0.58	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
Acetophenone	ND	7.9	0.57	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
Aniline	ND	16	10	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
Anthracene	ND	3.9	0.51	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
Benzidine	ND	16	9.7	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
Benzo(a)anthracene	ND	3.9	0.48	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
Benzo(a)pyrene	ND	3.9	0.57	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
Benzo(b)fluoranthene	ND	3.9	0.48	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
Benzo(g,h,i)perylene	ND	3.9	0.67	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
Benzo(k)fluoranthene	ND	3.9	0.53	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
Benzoic Acid	ND	16	15	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
Bis(2-chloroethoxy)methane	ND	7.9	0.58	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
Bis(2-chloroethyl)ether	ND	7.9	0.66	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
2,2'-oxybis(1-Chloropropane)	ND	7.9	0.51	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
Bis(2-Ethylhexyl)phthalate	ND	7.9	1.7	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
4-Bromophenylphenylether	ND	7.9	0.58	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
Butylbenzylphthalate	ND	7.9	0.63	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
Carbazole	ND	7.9	0.54	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
4-Chloroaniline	ND	7.9	3.3	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
4-Chloro-3-methylphenol	ND	7.9	1.9	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
2-Chloronaphthalene	ND	7.9	0.60	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
2-Chlorophenol	ND	7.9	0.63	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
4-Chlorophenylphenylether	ND	7.9	0.67	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
Chrysene	ND	3.9	0.59	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
Dibenz(a,h)anthracene	ND	3.9	0.64	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
Dibenzofuran	ND	3.9	0.62	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
Di-n-butylphthalate	ND	7.9	3.7	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
1,2-Dichlorobenzene	ND	3.9	0.78	µg/L	1	L-04	SW-846 8270E	8/6/25	8/12/25 15:56	JEA
1,3-Dichlorobenzene	ND	3.9	0.76	µg/L	1	L-04	SW-846 8270E	8/6/25	8/12/25 15:56	JEA
1,4-Dichlorobenzene	ND	3.9	0.84	µg/L	1	L-04	SW-846 8270E	8/6/25	8/12/25 15:56	JEA
3,3-Dichlorobenzidine	ND	7.9	2.7	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
2,4-Dichlorophenol	ND	7.9	1.8	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
Diethylphthalate	ND	7.9	1.3	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
2,4-Dimethylphenol	ND	7.9	0.54	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
Dimethylphthalate	ND	7.9	0.52	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
4,6-Dinitro-2-methylphenol	ND	16	2.1	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
2,4-Dinitrophenol	ND	16	2.6	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
2,4-Dinitrotoluene	ND	7.9	1.5	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
2,6-Dinitrotoluene	ND	7.9	1.4	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
Di-n-octylphthalate	ND	7.9	2.4	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
1,2-Diphenylhydrazine/Azobenzene	ND	7.9	0.48	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
Fluoranthene	ND	3.9	0.62	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
Fluorene	ND	3.9	0.56	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Starksboro, VT | Sample Description: | Work Order: 25H0214

Date Received: 8/5/2025

Field Sample #: MW-4 | Sampled: 8/4/2025 15:15

Sample ID: 25H0214-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	7.9	0.59	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
Hexachlorobutadiene	ND	7.9	3.7	µg/L	1	L-04	SW-846 8270E	8/6/25	8/12/25 15:56	JEA
Hexachlorocyclopentadiene	ND	7.9	3.5	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
Hexachloroethane	ND	7.9	3.8	µg/L	1	L-04	SW-846 8270E	8/6/25	8/12/25 15:56	JEA
Indeno(1,2,3-cd)pyrene	ND	3.9	0.65	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
Isophorone	ND	7.9	0.69	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
1-Methylnaphthalene	ND	3.9	0.75	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
2-Methylnaphthalene	ND	3.9	0.71	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
2-Methylphenol	ND	7.9	0.57	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
3/4-Methylphenol	ND	7.9	1.7	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
Naphthalene	ND	3.9	0.74	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
2-Nitroaniline	ND	7.9	2.6	µg/L	1	V-35	SW-846 8270E	8/6/25	8/12/25 15:56	JEA
3-Nitroaniline	ND	7.9	2.0	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
4-Nitroaniline	ND	7.9	1.9	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
Nitrobenzene	ND	7.9	0.74	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
2-Nitrophenol	ND	7.9	2.2	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
4-Nitrophenol	ND	7.9	0.98	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
N-Nitrosodimethylamine	ND	7.9	2.8	µg/L	1	L-04	SW-846 8270E	8/6/25	8/12/25 15:56	JEA
N-Nitrosodiphenylamine/Diphenylamine	ND	7.9	0.45	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
N-Nitrosodi-n-propylamine	ND	7.9	1.8	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
Pentachloronitrobenzene	ND	7.9	1.3	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
Pentachlorophenol	ND	7.9	2.7	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
Phenanthrene	ND	3.9	0.55	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
Phenol	ND	7.9	1.2	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
Pyrene	ND	3.9	0.49	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
Pyridine	ND	16	5.7	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
1,2,4,5-Tetrachlorobenzene	ND	7.9	0.81	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
1,2,4-Trichlorobenzene	ND	3.9	0.85	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
2,4,5-Trichlorophenol	ND	7.9	0.63	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA
2,4,6-Trichlorophenol	ND	7.9	0.47	µg/L	1		SW-846 8270E	8/6/25	8/12/25 15:56	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	35.5	15-110		8/12/25 15:56
Phenol-d6	23.2	15-110		8/12/25 15:56
Nitrobenzene-d5	65.9	30-130		8/12/25 15:56
2-Fluorobiphenyl	61.7	30-130		8/12/25 15:56
2,4,6-Tribromophenol	76.5	15-110		8/12/25 15:56
p-Terphenyl-d14	74.8	30-130		8/12/25 15:56

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Starksboro, VT | Sample Description: | Work Order: 25H0214

Date Received: 8/5/2025

Field Sample #: MW-5 | Sampled: 8/4/2025 13:00

Sample ID: 25H0214-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	5.3	50	1.9	µg/L	1	J	SW-846 8260D	8/6/25	8/7/25 16:03	MFF
Acrylonitrile	ND	5.0	1.2	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.11	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
Benzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
Bromobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
Bromochloromethane	ND	1.0	0.34	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
Bromoform	ND	1.0	0.32	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
Bromomethane	ND	5.0	0.91	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
2-Butanone (MEK)	ND	20	1.5	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
tert-Butyl Alcohol (TBA)	ND	20	3.8	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
n-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
sec-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.12	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
Carbon Tetrachloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
Chlorodibromomethane	ND	0.50	0.12	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
Chloroethane	ND	2.0	0.43	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
Chloromethane	ND	2.0	0.39	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
4-Chlorotoluene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.62	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.12	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
Dibromomethane	ND	1.0	0.20	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
1,4-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.4	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.23	µg/L	1	V-05	SW-846 8260D	8/6/25	8/7/25 16:03	MFF
1,1-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
1,2-Dichloroethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
1,1-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
1,2-Dichloropropane	ND	1.0	0.20	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
2,2-Dichloropropane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
1,1-Dichloropropene	ND	2.0	0.17	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
trans-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
Diethyl Ether	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Starksboro, VT | Sample Description: | Work Order: 25H0214

Date Received: 8/5/2025

Field Sample #: MW-5 | Sampled: 8/4/2025 13:00

Sample ID: 25H0214-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.21	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
1,4-Dioxane	ND	50	14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
Ethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
Hexachlorobutadiene	ND	0.60	0.24	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
Methyl Acetate	ND	2.0	0.40	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
Methyl Cyclohexane	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
Methylene Chloride	ND	5.0	0.17	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
Naphthalene	ND	2.0	0.21	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
Styrene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.11	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
Tetrachloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
Tetrahydrofuran	ND	10	0.48	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.21	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
1,1,2-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
Trichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
1,2,3-Trichloropropane	ND	2.0	0.23	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
Vinyl Chloride	ND	2.0	0.22	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
m+p Xylene	ND	2.0	0.30	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:03	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	103	70-130		8/7/25 16:03
Toluene-d8	97.6	70-130		8/7/25 16:03
4-Bromofluorobenzene	90.1	70-130		8/7/25 16:03

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Starksboro, VT | Sample Description: | Work Order: 25H0214

Date Received: 8/5/2025

Field Sample #: MW-5 | Sampled: 8/4/2025 13:00

Sample ID: 25H0214-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.7	0.82	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
Acenaphthylene	ND	4.7	0.69	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
Acetophenone	ND	9.4	0.68	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
Aniline	ND	19	12	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
Anthracene	ND	4.7	0.61	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
Benzidine	ND	19	12	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
Benzo(a)anthracene	ND	4.7	0.57	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
Benzo(a)pyrene	ND	4.7	0.68	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
Benzo(b)fluoranthene	ND	4.7	0.58	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
Benzo(g,h,i)perylene	ND	4.7	0.80	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
Benzo(k)fluoranthene	ND	4.7	0.63	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
Benzoic Acid	ND	19	18	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
Bis(2-chloroethoxy)methane	ND	9.4	0.69	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
Bis(2-chloroethyl)ether	ND	9.4	0.79	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
2,2'-oxybis(1-Chloropropane)	ND	9.4	0.61	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
Bis(2-Ethylhexyl)phthalate	ND	9.4	2.0	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
4-Bromophenylphenylether	ND	9.4	0.69	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
Butylbenzylphthalate	ND	9.4	0.75	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
Carbazole	ND	9.4	0.64	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
4-Chloroaniline	ND	9.4	3.9	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
4-Chloro-3-methylphenol	ND	9.4	2.3	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
2-Chloronaphthalene	ND	9.4	0.72	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
2-Chlorophenol	ND	9.4	0.75	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
4-Chlorophenylphenylether	ND	9.4	0.80	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
Chrysene	ND	4.7	0.70	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
Dibenz(a,h)anthracene	ND	4.7	0.77	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
Dibenzofuran	ND	4.7	0.74	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
Di-n-butylphthalate	ND	9.4	4.4	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
1,2-Dichlorobenzene	ND	4.7	0.94	µg/L	1	L-04	SW-846 8270E	8/6/25	8/12/25 16:17	JEA
1,3-Dichlorobenzene	ND	4.7	0.91	µg/L	1	L-04	SW-846 8270E	8/6/25	8/12/25 16:17	JEA
1,4-Dichlorobenzene	ND	4.7	1.0	µg/L	1	L-04	SW-846 8270E	8/6/25	8/12/25 16:17	JEA
3,3-Dichlorobenzidine	ND	9.4	3.3	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
2,4-Dichlorophenol	ND	9.4	2.1	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
Diethylphthalate	ND	9.4	1.6	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
2,4-Dimethylphenol	ND	9.4	0.65	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
Dimethylphthalate	ND	9.4	0.62	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
4,6-Dinitro-2-methylphenol	ND	19	2.5	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
2,4-Dinitrophenol	ND	19	3.1	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
2,4-Dinitrotoluene	ND	9.4	1.7	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
2,6-Dinitrotoluene	ND	9.4	1.7	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
Di-n-octylphthalate	ND	9.4	2.8	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
1,2-Diphenylhydrazine/Azobenzene	ND	9.4	0.57	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
Fluoranthene	ND	4.7	0.74	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
Fluorene	ND	4.7	0.67	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Starksboro, VT | Sample Description: | Work Order: 25H0214

Date Received: 8/5/2025

Field Sample #: MW-5 | Sampled: 8/4/2025 13:00

Sample ID: 25H0214-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	9.4	0.71	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
Hexachlorobutadiene	ND	9.4	4.5	µg/L	1	L-04	SW-846 8270E	8/6/25	8/12/25 16:17	JEA
Hexachlorocyclopentadiene	ND	9.4	4.2	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
Hexachloroethane	ND	9.4	4.5	µg/L	1	L-04	SW-846 8270E	8/6/25	8/12/25 16:17	JEA
Indeno(1,2,3-cd)pyrene	ND	4.7	0.77	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
Isophorone	ND	9.4	0.82	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
1-Methylnaphthalene	ND	4.7	0.90	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
2-Methylnaphthalene	ND	4.7	0.85	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
2-Methylphenol	ND	9.4	0.69	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
3/4-Methylphenol	ND	9.4	2.0	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
Naphthalene	ND	4.7	0.88	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
2-Nitroaniline	ND	9.4	3.1	µg/L	1	V-35	SW-846 8270E	8/6/25	8/12/25 16:17	JEA
3-Nitroaniline	ND	9.4	2.4	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
4-Nitroaniline	ND	9.4	2.2	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
Nitrobenzene	ND	9.4	0.88	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
2-Nitrophenol	ND	9.4	2.7	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
4-Nitrophenol	ND	9.4	1.2	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
N-Nitrosodimethylamine	ND	9.4	3.4	µg/L	1	L-04	SW-846 8270E	8/6/25	8/12/25 16:17	JEA
N-Nitrosodiphenylamine/Diphenylamine	ND	9.4	0.54	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
N-Nitrosodi-n-propylamine	ND	9.4	2.2	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
Pentachloronitrobenzene	ND	9.4	1.5	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
Pentachlorophenol	ND	9.4	3.2	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
Phenanthrene	ND	4.7	0.66	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
Phenol	ND	9.4	1.4	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
Pyrene	ND	4.7	0.59	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
Pyridine	ND	19	6.8	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
1,2,4,5-Tetrachlorobenzene	ND	9.4	0.97	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
1,2,4-Trichlorobenzene	ND	4.7	1.0	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
2,4,5-Trichlorophenol	ND	9.4	0.75	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA
2,4,6-Trichlorophenol	ND	9.4	0.57	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:17	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	44.9	15-110		8/12/25 16:17
Phenol-d6	30.4	15-110		8/12/25 16:17
Nitrobenzene-d5	60.6	30-130		8/12/25 16:17
2-Fluorobiphenyl	57.5	30-130		8/12/25 16:17
2,4,6-Tribromophenol	69.7	15-110		8/12/25 16:17
p-Terphenyl-d14	69.9	30-130		8/12/25 16:17

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Starksboro, VT | Sample Description: | Work Order: 25H0214

Date Received: 8/5/2025

Field Sample #: MW-7 | Sampled: 8/4/2025 15:30

Sample ID: 25H0214-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	5.6	50	1.9	µg/L	1	J	SW-846 8260D	8/6/25	8/7/25 16:29	MFF
Acrylonitrile	ND	5.0	1.2	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.11	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
Benzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
Bromobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
Bromochloromethane	ND	1.0	0.34	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
Bromoform	ND	1.0	0.32	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
Bromomethane	ND	5.0	0.91	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
2-Butanone (MEK)	ND	20	1.5	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
tert-Butyl Alcohol (TBA)	ND	20	3.8	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
n-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
sec-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.12	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
Carbon Disulfide	2.9	5.0	1.6	µg/L	1	J	SW-846 8260D	8/6/25	8/7/25 16:29	MFF
Carbon Tetrachloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
Chlorodibromomethane	ND	0.50	0.12	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
Chloroethane	ND	2.0	0.43	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
Chloromethane	ND	2.0	0.39	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
4-Chlorotoluene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.62	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.12	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
Dibromomethane	ND	1.0	0.20	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
1,4-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.4	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.23	µg/L	1	V-05	SW-846 8260D	8/6/25	8/7/25 16:29	MFF
1,1-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
1,2-Dichloroethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
1,1-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
1,2-Dichloropropane	ND	1.0	0.20	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
2,2-Dichloropropane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
1,1-Dichloropropene	ND	2.0	0.17	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
trans-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
Diethyl Ether	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Starksboro, VT | Sample Description: | Work Order: 25H0214

Date Received: 8/5/2025

Field Sample #: MW-7 | Sampled: 8/4/2025 15:30

Sample ID: 25H0214-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.21	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
1,4-Dioxane	ND	50	14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
Ethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
Hexachlorobutadiene	ND	0.60	0.24	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
Methyl Acetate	ND	2.0	0.40	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
Methyl Cyclohexane	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
Methylene Chloride	ND	5.0	0.17	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
Naphthalene	ND	2.0	0.21	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
Styrene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.11	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
Tetrachloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
Tetrahydrofuran	ND	10	0.48	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.21	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
1,1,2-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
Trichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
1,2,3-Trichloropropane	ND	2.0	0.23	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
Vinyl Chloride	ND	2.0	0.22	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
m+p Xylene	ND	2.0	0.30	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:29	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	103	70-130		8/7/25 16:29
Toluene-d8	98.0	70-130		8/7/25 16:29
4-Bromofluorobenzene	89.6	70-130		8/7/25 16:29

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Starksboro, VT | Sample Description: | Work Order: 25H0214

Date Received: 8/5/2025

Field Sample #: MW-7 | Sampled: 8/4/2025 15:30

Sample ID: 25H0214-06

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	3.9	0.68	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
Acenaphthylene	ND	3.9	0.57	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
Acetophenone	ND	7.8	0.56	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
Aniline	ND	16	9.9	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
Anthracene	ND	3.9	0.50	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
Benzidine	ND	16	9.6	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
Benzo(a)anthracene	ND	3.9	0.47	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
Benzo(a)pyrene	ND	3.9	0.56	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
Benzo(b)fluoranthene	ND	3.9	0.47	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
Benzo(g,h,i)perylene	ND	3.9	0.66	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
Benzo(k)fluoranthene	ND	3.9	0.52	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
Benzoic Acid	ND	16	15	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
Bis(2-chloroethoxy)methane	ND	7.8	0.57	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
Bis(2-chloroethyl)ether	ND	7.8	0.66	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
2,2'-oxybis(1-Chloropropane)	ND	7.8	0.51	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
Bis(2-Ethylhexyl)phthalate	ND	7.8	1.7	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
4-Bromophenylphenylether	ND	7.8	0.57	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
Butylbenzylphthalate	ND	7.8	0.62	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
Carbazole	ND	7.8	0.53	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
4-Chloroaniline	ND	7.8	3.2	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
4-Chloro-3-methylphenol	ND	7.8	1.9	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
2-Chloronaphthalene	ND	7.8	0.59	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
2-Chlorophenol	ND	7.8	0.62	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
4-Chlorophenylphenylether	ND	7.8	0.66	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
Chrysene	ND	3.9	0.58	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
Dibenz(a,h)anthracene	ND	3.9	0.64	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
Dibenzofuran	ND	3.9	0.61	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
Di-n-butylphthalate	ND	7.8	3.7	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
1,2-Dichlorobenzene	ND	3.9	0.77	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
1,3-Dichlorobenzene	ND	3.9	0.75	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
1,4-Dichlorobenzene	ND	3.9	0.83	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
3,3-Dichlorobenzidine	ND	7.8	2.7	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
2,4-Dichlorophenol	ND	7.8	1.8	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
Diethylphthalate	ND	7.8	1.3	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
2,4-Dimethylphenol	ND	7.8	0.53	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
Dimethylphthalate	ND	7.8	0.51	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
4,6-Dinitro-2-methylphenol	ND	16	2.1	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
2,4-Dinitrophenol	ND	16	2.5	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
2,4-Dinitrotoluene	ND	7.8	1.4	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
2,6-Dinitrotoluene	ND	7.8	1.4	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
Di-n-octylphthalate	ND	7.8	2.3	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
1,2-Diphenylhydrazine/Azobenzene	ND	7.8	0.47	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
Fluoranthene	ND	3.9	0.61	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
Fluorene	ND	3.9	0.56	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Starksboro, VT | Sample Description: | Work Order: 25H0214

Date Received: 8/5/2025

Field Sample #: MW-7 | Sampled: 8/4/2025 15:30

Sample ID: 25H0214-06

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	7.8	0.59	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
Hexachlorobutadiene	ND	7.8	3.7	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
Hexachlorocyclopentadiene	ND	7.8	3.5	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
Hexachloroethane	ND	7.8	3.7	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
Indeno(1,2,3-cd)pyrene	ND	3.9	0.64	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
Isophorone	ND	7.8	0.68	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
1-Methylnaphthalene	ND	3.9	0.74	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
2-Methylnaphthalene	ND	3.9	0.70	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
2-Methylphenol	ND	7.8	0.57	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
3/4-Methylphenol	ND	7.8	1.6	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
Naphthalene	ND	3.9	0.73	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
2-Nitroaniline	ND	7.8	2.5	µg/L	1	V-35	SW-846 8270E	8/8/25	8/12/25 16:38	JEA
3-Nitroaniline	ND	7.8	2.0	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
4-Nitroaniline	ND	7.8	1.8	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
Nitrobenzene	ND	7.8	0.73	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
2-Nitrophenol	ND	7.8	2.2	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
4-Nitrophenol	ND	7.8	0.97	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
N-Nitrosodimethylamine	ND	7.8	2.8	µg/L	1	L-04	SW-846 8270E	8/8/25	8/12/25 16:38	JEA
N-Nitrosodiphenylamine/Diphenylamine	ND	7.8	0.45	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
N-Nitrosodi-n-propylamine	ND	7.8	1.8	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
Pentachloronitrobenzene	ND	7.8	1.2	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
Pentachlorophenol	ND	7.8	2.7	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
Phenanthrene	ND	3.9	0.55	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
Phenol	ND	7.8	1.2	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
Pyrene	ND	3.9	0.48	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
Pyridine	ND	16	5.6	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
1,2,4,5-Tetrachlorobenzene	ND	7.8	0.80	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
1,2,4-Trichlorobenzene	ND	3.9	0.84	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
2,4,5-Trichlorophenol	ND	7.8	0.62	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA
2,4,6-Trichlorophenol	ND	7.8	0.47	µg/L	1		SW-846 8270E	8/8/25	8/12/25 16:38	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	34.5	15-110		8/12/25 16:38
Phenol-d6	24.0	15-110		8/12/25 16:38
Nitrobenzene-d5	64.9	30-130		8/12/25 16:38
2-Fluorobiphenyl	66.5	30-130		8/12/25 16:38
2,4,6-Tribromophenol	67.9	15-110		8/12/25 16:38
p-Terphenyl-d14	78.3	30-130		8/12/25 16:38

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Starksboro, VT | Sample Description: | Work Order: 25H0214

Date Received: 8/5/2025

Field Sample #: MW-8 | Sampled: 8/4/2025 15:00

Sample ID: 25H0214-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	3.6	50	1.9	µg/L	1	J	SW-846 8260D	8/6/25	8/7/25 16:54	MFF
Acrylonitrile	ND	5.0	1.2	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.11	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
Benzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
Bromobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
Bromochloromethane	ND	1.0	0.34	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
Bromoform	ND	1.0	0.32	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
Bromomethane	ND	5.0	0.91	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
2-Butanone (MEK)	ND	20	1.5	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
tert-Butyl Alcohol (TBA)	ND	20	3.8	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
n-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
sec-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.12	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
Carbon Tetrachloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
Chlorodibromomethane	ND	0.50	0.12	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
Chloroethane	ND	2.0	0.43	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
Chloromethane	ND	2.0	0.39	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
4-Chlorotoluene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.62	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.12	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
Dibromomethane	ND	1.0	0.20	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
1,4-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.4	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.23	µg/L	1	V-05	SW-846 8260D	8/6/25	8/7/25 16:54	MFF
1,1-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
1,2-Dichloroethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
1,1-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
1,2-Dichloropropane	ND	1.0	0.20	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
2,2-Dichloropropane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
1,1-Dichloropropene	ND	2.0	0.17	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
trans-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
Diethyl Ether	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Starksboro, VT | Sample Description: | Work Order: 25H0214

Date Received: 8/5/2025

Field Sample #: MW-8 | Sampled: 8/4/2025 15:00

Sample ID: 25H0214-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.21	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
1,4-Dioxane	ND	50	14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
Ethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
Hexachlorobutadiene	ND	0.60	0.24	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
Methyl Acetate	ND	2.0	0.40	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
Methyl Cyclohexane	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
Methylene Chloride	ND	5.0	0.17	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
Naphthalene	ND	2.0	0.21	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
Styrene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.11	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
Tetrachloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
Tetrahydrofuran	ND	10	0.48	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.21	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
1,1,2-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
Trichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
1,2,3-Trichloropropane	ND	2.0	0.23	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
Vinyl Chloride	ND	2.0	0.22	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
m+p Xylene	ND	2.0	0.30	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/6/25	8/7/25 16:54	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	104	70-130		8/7/25 16:54
Toluene-d8	99.0	70-130		8/7/25 16:54
4-Bromofluorobenzene	88.9	70-130		8/7/25 16:54

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Starksboro, VT | Sample Description: | Work Order: 25H0214

Date Received: 8/5/2025

Field Sample #: MW-8 | Sampled: 8/4/2025 15:00

Sample ID: 25H0214-07

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	3.9	0.68	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
Acenaphthylene	ND	3.9	0.58	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
Acetophenone	ND	7.8	0.56	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
Aniline	ND	16	9.9	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
Anthracene	ND	3.9	0.51	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
Benzidine	ND	16	9.6	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
Benzo(a)anthracene	ND	3.9	0.47	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
Benzo(a)pyrene	ND	3.9	0.57	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
Benzo(b)fluoranthene	ND	3.9	0.48	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
Benzo(g,h,i)perylene	ND	3.9	0.66	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
Benzo(k)fluoranthene	ND	3.9	0.52	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
Benzoic Acid	ND	16	15	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
Bis(2-chloroethoxy)methane	ND	7.8	0.58	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
Bis(2-chloroethyl)ether	ND	7.8	0.66	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
2,2'-oxybis(1-Chloropropane)	ND	7.8	0.51	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
Bis(2-Ethylhexyl)phthalate	ND	7.8	1.7	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
4-Bromophenylphenylether	ND	7.8	0.57	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
Butylbenzylphthalate	ND	7.8	0.62	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
Carbazole	ND	7.8	0.53	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
4-Chloroaniline	ND	7.8	3.2	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
4-Chloro-3-methylphenol	ND	7.8	1.9	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
2-Chloronaphthalene	ND	7.8	0.60	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
2-Chlorophenol	ND	7.8	0.62	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
4-Chlorophenylphenylether	ND	7.8	0.66	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
Chrysene	ND	3.9	0.58	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
Dibenz(a,h)anthracene	ND	3.9	0.64	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
Dibenzofuran	ND	3.9	0.61	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
Di-n-butylphthalate	ND	7.8	3.7	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
1,2-Dichlorobenzene	ND	3.9	0.78	µg/L	1	L-04	SW-846 8270E	8/6/25	8/12/25 16:58	JEA
1,3-Dichlorobenzene	ND	3.9	0.76	µg/L	1	L-04	SW-846 8270E	8/6/25	8/12/25 16:58	JEA
1,4-Dichlorobenzene	ND	3.9	0.83	µg/L	1	L-04	SW-846 8270E	8/6/25	8/12/25 16:58	JEA
3,3-Dichlorobenzidine	ND	7.8	2.7	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
2,4-Dichlorophenol	ND	7.8	1.8	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
Diethylphthalate	ND	7.8	1.3	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
2,4-Dimethylphenol	ND	7.8	0.53	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
Dimethylphthalate	ND	7.8	0.51	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
4,6-Dinitro-2-methylphenol	ND	16	2.1	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
2,4-Dinitrophenol	ND	16	2.6	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
2,4-Dinitrotoluene	ND	7.8	1.4	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
2,6-Dinitrotoluene	ND	7.8	1.4	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
Di-n-octylphthalate	ND	7.8	2.4	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
1,2-Diphenylhydrazine/Azobenzene	ND	7.8	0.47	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
Fluoranthene	ND	3.9	0.61	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
Fluorene	ND	3.9	0.56	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA

Pace Analytical Services, LLC - East Longmeadow, Ma

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Project Location: Starksboro, VT | Sample Description: | Work Order: 25H0214

Date Received: 8/5/2025

Field Sample #: MW-8 | Sampled: 8/4/2025 15:00

Sample ID: 25H0214-07

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	7.8	0.59	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
Hexachlorobutadiene	ND	7.8	3.7	µg/L	1	L-04	SW-846 8270E	8/6/25	8/12/25 16:58	JEA
Hexachlorocyclopentadiene	ND	7.8	3.5	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
Hexachloroethane	ND	7.8	3.8	µg/L	1	L-04	SW-846 8270E	8/6/25	8/12/25 16:58	JEA
Indeno(1,2,3-cd)pyrene	ND	3.9	0.64	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
Isophorone	ND	7.8	0.68	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
1-Methylnaphthalene	ND	3.9	0.75	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
2-Methylnaphthalene	ND	3.9	0.70	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
2-Methylphenol	ND	7.8	0.57	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
3/4-Methylphenol	ND	7.8	1.7	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
Naphthalene	ND	3.9	0.73	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
2-Nitroaniline	ND	7.8	2.5	µg/L	1	V-35	SW-846 8270E	8/6/25	8/12/25 16:58	JEA
3-Nitroaniline	ND	7.8	2.0	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
4-Nitroaniline	ND	7.8	1.8	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
Nitrobenzene	ND	7.8	0.73	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
2-Nitrophenol	ND	7.8	2.2	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
4-Nitrophenol	ND	7.8	0.97	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
N-Nitrosodimethylamine	ND	7.8	2.8	µg/L	1	L-04	SW-846 8270E	8/6/25	8/12/25 16:58	JEA
N-Nitrosodiphenylamine/Diphenylamine	ND	7.8	0.45	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
N-Nitrosodi-n-propylamine	ND	7.8	1.8	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
Pentachloronitrobenzene	ND	7.8	1.2	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
Pentachlorophenol	ND	7.8	2.7	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
Phenanthrene	ND	3.9	0.55	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
Phenol	ND	7.8	1.2	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
Pyrene	ND	3.9	0.49	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
Pyridine	ND	16	5.6	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
1,2,4,5-Tetrachlorobenzene	ND	7.8	0.80	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
1,2,4-Trichlorobenzene	ND	3.9	0.84	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
2,4,5-Trichlorophenol	ND	7.8	0.63	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA
2,4,6-Trichlorophenol	ND	7.8	0.47	µg/L	1		SW-846 8270E	8/6/25	8/12/25 16:58	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	33.5	15-110		8/12/25 16:58
Phenol-d6	23.9	15-110		8/12/25 16:58
Nitrobenzene-d5	61.6	30-130		8/12/25 16:58
2-Fluorobiphenyl	60.3	30-130		8/12/25 16:58
2,4,6-Tribromophenol	61.5	15-110		8/12/25 16:58
p-Terphenyl-d14	75.6	30-130		8/12/25 16:58

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Sample Extraction Data

Prep Method: EPA 524.2-EPA 524.2

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25H0214-01 [Poet - Influent]	B410835	5	5.00	08/08/25

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25H0214-02 [TB]	B410915	5	5.00	08/06/25
25H0214-03 [DUP]	B410915	5	5.00	08/06/25
25H0214-04 [MW-4]	B410915	5	5.00	08/06/25
25H0214-05 [MW-5]	B410915	5	5.00	08/06/25
25H0214-06 [MW-7]	B410915	5	5.00	08/06/25
25H0214-07 [MW-8]	B410915	5	5.00	08/06/25

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25H0214-04 [MW-4]	B410891	127	1.00	08/06/25
25H0214-05 [MW-5]	B410891	107	1.00	08/06/25
25H0214-07 [MW-8]	B410891	128	1.00	08/06/25

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25H0214-06 [MW-7]	B411051	129	1.00	08/08/25

Pace Analytical Services, LLC - East Longmeadow, Ma

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

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B410915 - SW-846 5030B											
Blank (B410915-BLK1)					Prepared & Analyzed: 08/07/25						
Acetone	ND	50	1.9	µg/L							
Acrylonitrile	ND	5.0	1.2	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.11	µg/L							
Benzene	ND	1.0	0.19	µg/L							
Bromobenzene	ND	1.0	0.12	µg/L							
Bromochloromethane	ND	1.0	0.34	µg/L							
Bromodichloromethane	ND	0.50	0.14	µg/L							
Bromoform	ND	1.0	0.32	µg/L							
Bromomethane	ND	2.0	0.91	µg/L							
2-Butanone (MEK)	ND	20	1.5	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	3.8	µg/L							
n-Butylbenzene	ND	1.0	0.14	µg/L							
sec-Butylbenzene	ND	1.0	0.14	µg/L							
tert-Butylbenzene	ND	1.0	0.13	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.12	µg/L							
Carbon Disulfide	ND	5.0	1.6	µg/L							
Carbon Tetrachloride	ND	5.0	0.18	µg/L							
Chlorobenzene	ND	1.0	0.12	µg/L							
Chlorodibromomethane	ND	0.50	0.12	µg/L							
Chloroethane	ND	2.0	0.43	µg/L							
Chloroform	ND	2.0	0.14	µg/L							
Chloromethane	ND	2.0	0.39	µg/L							
2-Chlorotoluene	ND	1.0	0.11	µg/L							
4-Chlorotoluene	ND	1.0	0.14	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.62	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	0.12	µg/L							
Dibromomethane	ND	1.0	0.20	µg/L							
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L							
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L							
1,4-Dichlorobenzene	ND	1.0	0.14	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	1.4	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.23	µg/L							V-05
1,1-Dichloroethane	ND	1.0	0.19	µg/L							
1,2-Dichloroethane	ND	1.0	0.28	µg/L							
1,1-Dichloroethylene	ND	1.0	0.15	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	0.19	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	0.19	µg/L							
1,2-Dichloropropane	ND	1.0	0.20	µg/L							
1,3-Dichloropropane	ND	0.50	0.13	µg/L							
2,2-Dichloropropane	ND	1.0	0.30	µg/L							
1,1-Dichloropropene	ND	2.0	0.17	µg/L							
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L							
trans-1,3-Dichloropropene	ND	0.50	0.16	µg/L							
Diethyl Ether	ND	2.0	0.15	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	0.21	µg/L							
1,4-Dioxane	ND	50	14	µg/L							
Ethylbenzene	ND	1.0	0.11	µg/L							
Hexachlorobutadiene	ND	0.60	0.24	µg/L							
2-Hexanone (MBK)	ND	10	1.2	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B410915 - SW-846 5030B											
Blank (B410915-BLK1)					Prepared & Analyzed: 08/07/25						
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.14	µg/L							
Methyl Acetate	ND	1.0	0.40	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.11	µg/L							
Methyl Cyclohexane	ND	1.0	0.17	µg/L							
Methylene Chloride	ND	5.0	0.17	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	1.2	µg/L							
Naphthalene	ND	2.0	0.21	µg/L							
n-Propylbenzene	ND	1.0	0.11	µg/L							
Styrene	ND	1.0	0.16	µg/L							
1,1,1,2-Tetrachloroethane	ND	1.0	0.15	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	0.11	µg/L							
Tetrachloroethylene	ND	1.0	0.15	µg/L							
Tetrahydrofuran	ND	10	0.48	µg/L							
Toluene	ND	1.0	0.11	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	0.21	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	0.18	µg/L							
1,3,5-Trichlorobenzene	ND	1.0	0.13	µg/L							
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L							
1,1,2-Trichloroethane	ND	1.0	0.15	µg/L							
Trichloroethylene	ND	1.0	0.16	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	0.16	µg/L							
1,2,3-Trichloropropane	ND	2.0	0.23	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.15	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	0.15	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	0.16	µg/L							
Vinyl Chloride	ND	2.0	0.22	µg/L							
m+p Xylene	ND	2.0	0.30	µg/L							
o-Xylene	ND	1.0	0.16	µg/L							
Surrogate: 1,2-Dichloroethane-d4	*26.5*			µg/L	25.00		106	70-130			
Surrogate: Toluene-d8	*24.6*			µg/L	25.00		98.6	70-130			
Surrogate: 4-Bromofluorobenzene	*22.0*			µg/L	25.00		87.9	70-130			
LCS (B410915-BS1)					Prepared & Analyzed: 08/07/25						
Acetone	111	50	1.9	µg/L	100.0		111	70-160			†
Acrylonitrile	10.9	5.0	1.2	µg/L	10.00		109	70-130			
tert-Amyl Methyl Ether (TAME)	9.65	0.50	0.11	µg/L	10.00		96.5	70-130			
Benzene	9.77	1.0	0.19	µg/L	10.00		97.7	70-130			
Bromobenzene	10.2	1.0	0.12	µg/L	10.00		102	70-130			
Bromochloromethane	9.80	1.0	0.34	µg/L	10.00		98.0	70-130			
Bromodichloromethane	10.4	0.50	0.14	µg/L	10.00		104	70-130			
Bromoform	9.88	1.0	0.32	µg/L	10.00		98.8	70-130			
Bromomethane	11.6	2.0	0.91	µg/L	10.00		116	40-160			†
2-Butanone (MEK)	112	20	1.5	µg/L	100.0		112	40-160			†
tert-Butyl Alcohol (TBA)	106	20	3.8	µg/L	100.0		106	40-160			†
n-Butylbenzene	10.2	1.0	0.14	µg/L	10.00		102	70-130			
sec-Butylbenzene	9.90	1.0	0.14	µg/L	10.00		99.0	70-130			
tert-Butylbenzene	10.1	1.0	0.13	µg/L	10.00		101	70-130			
tert-Butyl Ethyl Ether (TBEE)	10.2	0.50	0.12	µg/L	10.00		102	70-130			
Carbon Disulfide	94.7	5.0	1.6	µg/L	100.0		94.7	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B410915 - SW-846 5030B												
LCS (B410915-BS1)					Prepared & Analyzed: 08/07/25							
Carbon Tetrachloride	9.07	5.0	0.18	µg/L	10.00		90.7	70-130				
Chlorobenzene	10.9	1.0	0.12	µg/L	10.00		109	70-130				
Chlorodibromomethane	9.86	0.50	0.12	µg/L	10.00		98.6	70-130				
Chloroethane	11.4	2.0	0.43	µg/L	10.00		114	70-130				
Chloroform	10.5	2.0	0.14	µg/L	10.00		105	70-130				
Chloromethane	14.2	2.0	0.39	µg/L	10.00		142	40-160			V-20	†
2-Chlorotoluene	9.98	1.0	0.11	µg/L	10.00		99.8	70-130				
4-Chlorotoluene	9.99	1.0	0.14	µg/L	10.00		99.9	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	8.81	5.0	0.62	µg/L	10.00		88.1	70-130				
1,2-Dibromoethane (EDB)	10.6	0.50	0.12	µg/L	10.00		106	70-130				
Dibromomethane	10.7	1.0	0.20	µg/L	10.00		107	70-130				
1,2-Dichlorobenzene	10.4	1.0	0.13	µg/L	10.00		104	70-130				
1,3-Dichlorobenzene	10.3	1.0	0.14	µg/L	10.00		103	70-130				
1,4-Dichlorobenzene	10.2	1.0	0.14	µg/L	10.00		102	70-130				
trans-1,4-Dichloro-2-butene	10.5	2.0	1.4	µg/L	10.00		105	70-130				
Dichlorodifluoromethane (Freon 12)	6.92	2.0	0.23	µg/L	10.00		69.2	40-160			V-05	†
1,1-Dichloroethane	10.2	1.0	0.19	µg/L	10.00		102	70-130				
1,2-Dichloroethane	10.7	1.0	0.28	µg/L	10.00		107	70-130				
1,1-Dichloroethylene	10.7	1.0	0.15	µg/L	10.00		107	70-130				
cis-1,2-Dichloroethylene	10.5	1.0	0.19	µg/L	10.00		105	70-130				
trans-1,2-Dichloroethylene	9.92	1.0	0.19	µg/L	10.00		99.2	70-130				
1,2-Dichloropropane	11.2	1.0	0.20	µg/L	10.00		112	70-130				
1,3-Dichloropropane	10.8	0.50	0.13	µg/L	10.00		108	70-130				
2,2-Dichloropropane	9.79	1.0	0.30	µg/L	10.00		97.9	40-130				†
1,1-Dichloropropene	9.50	2.0	0.17	µg/L	10.00		95.0	70-130				
cis-1,3-Dichloropropene	9.56	0.50	0.16	µg/L	10.00		95.6	70-130				
trans-1,3-Dichloropropene	9.75	0.50	0.16	µg/L	10.00		97.5	70-130				
Diethyl Ether	10.7	2.0	0.15	µg/L	10.00		107	70-130				
Diisopropyl Ether (DIPE)	10.4	0.50	0.21	µg/L	10.00		104	70-130				
1,4-Dioxane	111	50	14	µg/L	100.0		111	40-130				†
Ethylbenzene	10.5	1.0	0.11	µg/L	10.00		105	70-130				
Hexachlorobutadiene	10.2	0.60	0.24	µg/L	10.00		102	70-130				
2-Hexanone (MBK)	116	10	1.2	µg/L	100.0		116	70-160				†
Isopropylbenzene (Cumene)	10.1	1.0	0.16	µg/L	10.00		101	70-130				
p-Isopropyltoluene (p-Cymene)	10.2	1.0	0.14	µg/L	10.00		102	70-130				
Methyl Acetate	9.10	1.0	0.40	µg/L	10.00		91.0	70-130				
Methyl tert-Butyl Ether (MTBE)	9.91	1.0	0.11	µg/L	10.00		99.1	70-130				
Methyl Cyclohexane	10.1	1.0	0.17	µg/L	10.00		101	70-130				
Methylene Chloride	9.40	5.0	0.17	µg/L	10.00		94.0	70-130				
4-Methyl-2-pentanone (MIBK)	117	10	1.2	µg/L	100.0		117	70-160				†
Naphthalene	10.5	2.0	0.21	µg/L	10.00		105	40-130				†
n-Propylbenzene	10.2	1.0	0.11	µg/L	10.00		102	70-130				
Styrene	10.6	1.0	0.16	µg/L	10.00		106	70-130				
1,1,1,2-Tetrachloroethane	10.5	1.0	0.15	µg/L	10.00		105	70-130				
1,1,2,2-Tetrachloroethane	11.5	0.50	0.11	µg/L	10.00		115	70-130				
Tetrachloroethylene	10.7	1.0	0.15	µg/L	10.00		107	70-130				
Tetrahydrofuran	10.9	10	0.48	µg/L	10.00		109	70-130				
Toluene	10.4	1.0	0.11	µg/L	10.00		104	70-130				
1,2,3-Trichlorobenzene	10.6	5.0	0.21	µg/L	10.00		106	70-130				
1,2,4-Trichlorobenzene	10.4	1.0	0.18	µg/L	10.00		104	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B410915 - SW-846 5030B												
LCS (B410915-BS1)					Prepared & Analyzed: 08/07/25							
1,3,5-Trichlorobenzene	10.2	1.0	0.13	µg/L	10.00		102	70-130				
1,1,1-Trichloroethane	9.99	1.0	0.15	µg/L	10.00		99.9	70-130				
1,1,2-Trichloroethane	10.4	1.0	0.15	µg/L	10.00		104	70-130				
Trichloroethylene	10.5	1.0	0.16	µg/L	10.00		105	70-130				
Trichlorofluoromethane (Freon 11)	10.5	2.0	0.16	µg/L	10.00		105	70-130				
1,2,3-Trichloropropane	10.4	2.0	0.23	µg/L	10.00		104	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8	1.0	0.15	µg/L	10.00		108	70-130				
1,2,4-Trimethylbenzene	9.75	1.0	0.15	µg/L	10.00		97.5	70-130				
1,3,5-Trimethylbenzene	9.76	1.0	0.16	µg/L	10.00		97.6	70-130				
Vinyl Chloride	8.89	2.0	0.22	µg/L	10.00		88.9	40-160				†
m+p Xylene	20.7	2.0	0.30	µg/L	20.00		104	70-130				
o-Xylene	10.1	1.0	0.16	µg/L	10.00		101	70-130				
Surrogate: 1,2-Dichloroethane-d4	*25.4*			µg/L	25.00		102	70-130				
Surrogate: Toluene-d8	*25.2*			µg/L	25.00		101	70-130				
Surrogate: 4-Bromofluorobenzene	*23.6*			µg/L	25.00		94.6	70-130				
LCS Dup (B410915-BSD1)					Prepared & Analyzed: 08/07/25							
Acetone	117	50	1.9	µg/L	100.0		117	70-160	5.74	25		†
Acrylonitrile	10.5	5.0	1.2	µg/L	10.00		105	70-130	3.55	25		
tert-Amyl Methyl Ether (TAME)	9.13	0.50	0.11	µg/L	10.00		91.3	70-130	5.54	25		
Benzene	9.62	1.0	0.19	µg/L	10.00		96.2	70-130	1.55	25		
Bromobenzene	10.1	1.0	0.12	µg/L	10.00		101	70-130	1.18	25		
Bromochloromethane	9.80	1.0	0.34	µg/L	10.00		98.0	70-130	0.00	25		
Bromodichloromethane	10.2	0.50	0.14	µg/L	10.00		102	70-130	2.34	25		
Bromoform	9.62	1.0	0.32	µg/L	10.00		96.2	70-130	2.67	25		
Bromomethane	11.0	2.0	0.91	µg/L	10.00		110	40-160	5.12	25		†
2-Butanone (MEK)	115	20	1.5	µg/L	100.0		115	40-160	2.58	25		†
tert-Butyl Alcohol (TBA)	112	20	3.8	µg/L	100.0		112	40-160	5.64	25		†
n-Butylbenzene	9.98	1.0	0.14	µg/L	10.00		99.8	70-130	2.67	25		
sec-Butylbenzene	9.54	1.0	0.14	µg/L	10.00		95.4	70-130	3.70	25		
tert-Butylbenzene	9.75	1.0	0.13	µg/L	10.00		97.5	70-130	3.43	25		
tert-Butyl Ethyl Ether (TBEE)	9.85	0.50	0.12	µg/L	10.00		98.5	70-130	3.00	25		
Carbon Disulfide	89.5	5.0	1.6	µg/L	100.0		89.5	70-130	5.62	25		
Carbon Tetrachloride	8.75	5.0	0.18	µg/L	10.00		87.5	70-130	3.59	25		
Chlorobenzene	10.4	1.0	0.12	µg/L	10.00		104	70-130	4.42	25		
Chlorodibromomethane	9.79	0.50	0.12	µg/L	10.00		97.9	70-130	0.712	25		
Chloroethane	11.0	2.0	0.43	µg/L	10.00		110	70-130	3.21	25		
Chloroform	10.1	2.0	0.14	µg/L	10.00		101	70-130	3.40	25		
Chloromethane	13.1	2.0	0.39	µg/L	10.00		131	40-160	8.04	25	V-20	†
2-Chlorotoluene	9.55	1.0	0.11	µg/L	10.00		95.5	70-130	4.40	25		
4-Chlorotoluene	9.90	1.0	0.14	µg/L	10.00		99.0	70-130	0.905	25		
1,2-Dibromo-3-chloropropane (DBCP)	10.4	5.0	0.62	µg/L	10.00		104	70-130	17.0	25		
1,2-Dibromoethane (EDB)	10.2	0.50	0.12	µg/L	10.00		102	70-130	3.94	25		
Dibromomethane	11.0	1.0	0.20	µg/L	10.00		110	70-130	1.94	25		
1,2-Dichlorobenzene	9.82	1.0	0.13	µg/L	10.00		98.2	70-130	5.83	25		
1,3-Dichlorobenzene	10.0	1.0	0.14	µg/L	10.00		100	70-130	2.66	25		
1,4-Dichlorobenzene	9.98	1.0	0.14	µg/L	10.00		99.8	70-130	1.89	25		
trans-1,4-Dichloro-2-butene	11.0	2.0	1.4	µg/L	10.00		110	70-130	4.20	25		
Dichlorodifluoromethane (Freon 12)	6.19	2.0	0.23	µg/L	10.00		61.9	40-160	11.1	25	V-05	†

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B410915 - SW-846 5030B											
LCS Dup (B410915-BSD1)					Prepared & Analyzed: 08/07/25						
1,1-Dichloroethane	9.71	1.0	0.19	µg/L	10.00		97.1	70-130	4.53	25	
1,2-Dichloroethane	9.82	1.0	0.28	µg/L	10.00		98.2	70-130	8.30	25	
1,1-Dichloroethylene	9.83	1.0	0.15	µg/L	10.00		98.3	70-130	8.10	25	
cis-1,2-Dichloroethylene	10.0	1.0	0.19	µg/L	10.00		100	70-130	4.29	25	
trans-1,2-Dichloroethylene	9.59	1.0	0.19	µg/L	10.00		95.9	70-130	3.38	25	
1,2-Dichloropropane	11.0	1.0	0.20	µg/L	10.00		110	70-130	1.81	25	
1,3-Dichloropropane	10.3	0.50	0.13	µg/L	10.00		103	70-130	4.36	25	
2,2-Dichloropropane	9.49	1.0	0.30	µg/L	10.00		94.9	40-130	3.11	25	†
1,1-Dichloropropene	9.00	2.0	0.17	µg/L	10.00		90.0	70-130	5.41	25	
cis-1,3-Dichloropropene	9.54	0.50	0.16	µg/L	10.00		95.4	70-130	0.209	25	
trans-1,3-Dichloropropene	9.65	0.50	0.16	µg/L	10.00		96.5	70-130	1.03	25	
Diethyl Ether	10.6	2.0	0.15	µg/L	10.00		106	70-130	0.375	25	
Diisopropyl Ether (DIPE)	10.0	0.50	0.21	µg/L	10.00		100	70-130	3.81	25	
1,4-Dioxane	115	50	14	µg/L	100.0		115	40-130	3.17	50	† ‡
Ethylbenzene	10.0	1.0	0.11	µg/L	10.00		100	70-130	4.68	25	
Hexachlorobutadiene	9.97	0.60	0.24	µg/L	10.00		99.7	70-130	2.28	25	
2-Hexanone (MBK)	118	10	1.2	µg/L	100.0		118	70-160	2.16	25	†
Isopropylbenzene (Cumene)	9.58	1.0	0.16	µg/L	10.00		95.8	70-130	4.99	25	
p-Isopropyltoluene (p-Cymene)	9.89	1.0	0.14	µg/L	10.00		98.9	70-130	3.48	25	
Methyl Acetate	9.48	1.0	0.40	µg/L	10.00		94.8	70-130	4.09	25	
Methyl tert-Butyl Ether (MTBE)	9.83	1.0	0.11	µg/L	10.00		98.3	70-130	0.811	25	
Methyl Cyclohexane	9.39	1.0	0.17	µg/L	10.00		93.9	70-130	7.19	25	
Methylene Chloride	8.94	5.0	0.17	µg/L	10.00		89.4	70-130	5.02	25	
4-Methyl-2-pentanone (MIBK)	118	10	1.2	µg/L	100.0		118	70-160	0.851	25	†
Naphthalene	10.7	2.0	0.21	µg/L	10.00		107	40-130	1.79	25	†
n-Propylbenzene	10.1	1.0	0.11	µg/L	10.00		101	70-130	0.789	25	
Styrene	10.4	1.0	0.16	µg/L	10.00		104	70-130	1.53	25	
1,1,1,2-Tetrachloroethane	10.5	1.0	0.15	µg/L	10.00		105	70-130	0.381	25	
1,1,2,2-Tetrachloroethane	11.5	0.50	0.11	µg/L	10.00		115	70-130	0.0871	25	
Tetrachloroethylene	10.3	1.0	0.15	µg/L	10.00		103	70-130	3.14	25	
Tetrahydrofuran	11.2	10	0.48	µg/L	10.00		112	70-130	3.44	25	
Toluene	9.94	1.0	0.11	µg/L	10.00		99.4	70-130	4.62	25	
1,2,3-Trichlorobenzene	10.8	5.0	0.21	µg/L	10.00		108	70-130	1.40	25	
1,2,4-Trichlorobenzene	10.3	1.0	0.18	µg/L	10.00		103	70-130	0.290	25	
1,3,5-Trichlorobenzene	9.87	1.0	0.13	µg/L	10.00		98.7	70-130	3.39	25	
1,1,1-Trichloroethane	9.56	1.0	0.15	µg/L	10.00		95.6	70-130	4.40	25	
1,1,2-Trichloroethane	10.6	1.0	0.15	µg/L	10.00		106	70-130	2.10	25	
Trichloroethylene	10.1	1.0	0.16	µg/L	10.00		101	70-130	3.97	25	
Trichlorofluoromethane (Freon 11)	9.80	2.0	0.16	µg/L	10.00		98.0	70-130	6.99	25	
1,2,3-Trichloropropane	10.2	2.0	0.23	µg/L	10.00		102	70-130	1.55	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.1	1.0	0.15	µg/L	10.00		101	70-130	6.31	25	
1,2,4-Trimethylbenzene	9.50	1.0	0.15	µg/L	10.00		95.0	70-130	2.60	25	
1,3,5-Trimethylbenzene	9.61	1.0	0.16	µg/L	10.00		96.1	70-130	1.55	25	
Vinyl Chloride	8.33	2.0	0.22	µg/L	10.00		83.3	40-160	6.50	25	†
m+p Xylene	19.5	2.0	0.30	µg/L	20.00		97.5	70-130	6.16	25	
o-Xylene	9.81	1.0	0.16	µg/L	10.00		98.1	70-130	3.11	25	
Surrogate: 1,2-Dichloroethane-d4	*25.4*			µg/L	25.00		102	70-130			
Surrogate: Toluene-d8	*25.3*			µg/L	25.00		101	70-130			
Surrogate: 4-Bromofluorobenzene	*23.4*			µg/L	25.00		93.6	70-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B410891 - SW-846 3510C											
Blank (B410891-BLK1)					Prepared: 08/06/25 Analyzed: 08/11/25						
Acenaphthene	ND	5.0	0.87	µg/L							
Acenaphthylene	ND	5.0	0.74	µg/L							
Acetophenone	ND	10	0.73	µg/L							
Aniline	ND	20	13	µg/L							
Anthracene	ND	5.0	0.65	µg/L							
Benzidine	ND	20	12	µg/L							
Benzo(a)anthracene	ND	5.0	0.61	µg/L							
Benzo(a)pyrene	ND	5.0	0.73	µg/L							
Benzo(b)fluoranthene	ND	5.0	0.61	µg/L							
Benzo(g,h,i)perylene	ND	5.0	0.85	µg/L							
Benzo(k)fluoranthene	ND	5.0	0.67	µg/L							
Benzoic Acid	ND	20	19	µg/L							
Bis(2-chloroethoxy)methane	ND	10	0.74	µg/L							
Bis(2-chloroethyl)ether	ND	10	0.85	µg/L							
2,2'-oxybis(1-Chloropropane)	ND	10	0.65	µg/L							
Bis(2-Ethylhexyl)phthalate	ND	10	2.2	µg/L							
4-Bromophenylphenylether	ND	10	0.74	µg/L							
Butylbenzylphthalate	ND	10	0.80	µg/L							
Carbazole	ND	10	0.68	µg/L							
4-Chloroaniline	ND	10	4.2	µg/L							
4-Chloro-3-methylphenol	ND	10	2.5	µg/L							
2-Chloronaphthalene	ND	10	0.76	µg/L							
2-Chlorophenol	ND	10	0.80	µg/L							
4-Chlorophenylphenylether	ND	10	0.85	µg/L							
Chrysene	ND	5.0	0.75	µg/L							
Dibenz(a,h)anthracene	ND	5.0	0.82	µg/L							
Dibenzofuran	ND	5.0	0.79	µg/L							
Di-n-butylphthalate	ND	10	4.7	µg/L							
1,2-Dichlorobenzene	ND	5.0	1.0	µg/L							L-04
1,3-Dichlorobenzene	ND	5.0	0.97	µg/L							L-04
1,4-Dichlorobenzene	ND	5.0	1.1	µg/L							L-04
3,3-Dichlorobenzidine	ND	10	3.5	µg/L							
2,4-Dichlorophenol	ND	10	2.3	µg/L							
Diethylphthalate	ND	10	1.7	µg/L							
2,4-Dimethylphenol	ND	10	0.69	µg/L							
Dimethylphthalate	ND	10	0.66	µg/L							
4,6-Dinitro-2-methylphenol	ND	20	2.7	µg/L							
2,4-Dinitrophenol	ND	20	3.3	µg/L							
2,4-Dinitrotoluene	ND	10	1.9	µg/L							
2,6-Dinitrotoluene	ND	10	1.8	µg/L							
Di-n-octylphthalate	ND	10	3.0	µg/L							
1,2-Diphenylhydrazine/Azobenzene	ND	10	0.61	µg/L							
Fluoranthene	ND	5.0	0.79	µg/L							
Fluorene	ND	5.0	0.72	µg/L							
Hexachlorobenzene	ND	10	0.76	µg/L							
Hexachlorobutadiene	ND	10	4.7	µg/L							L-04
Hexachlorocyclopentadiene	ND	10	4.5	µg/L							
Hexachloroethane	ND	10	4.8	µg/L							L-04
Indeno(1,2,3-cd)pyrene	ND	5.0	0.82	µg/L							
Isophorone	ND	10	0.88	µg/L							

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B410891 - SW-846 3510C													
Blank (B410891-BLK1)					Prepared: 08/06/25 Analyzed: 08/11/25								
1-Methylnaphthalene	ND	5.0	0.96	µg/L									
2-Methylnaphthalene	ND	5.0	0.90	µg/L									
2-Methylphenol	ND	10	0.73	µg/L									
3/4-Methylphenol	ND	10	2.1	µg/L									
Naphthalene	ND	5.0	0.94	µg/L									
2-Nitroaniline	ND	10	3.3	µg/L								V-35	
3-Nitroaniline	ND	10	2.6	µg/L									
4-Nitroaniline	ND	10	2.4	µg/L									
Nitrobenzene	ND	10	0.94	µg/L									
2-Nitrophenol	ND	10	2.8	µg/L									
4-Nitrophenol	ND	10	1.2	µg/L									
N-Nitrosodimethylamine	ND	10	3.6	µg/L								L-04	
N-Nitrosodiphenylamine/Diphenylamine	ND	10	0.58	µg/L									
N-Nitrosodi-n-propylamine	ND	10	2.3	µg/L									
Pentachloronitrobenzene	ND	10	1.6	µg/L									
Pentachlorophenol	ND	10	3.5	µg/L									
Phenanthrene	ND	5.0	0.70	µg/L									
Phenol	ND	10	1.5	µg/L									
Pyrene	ND	5.0	0.62	µg/L									
Pyridine	ND	20	7.2	µg/L									
1,2,4,5-Tetrachlorobenzene	ND	10	1.0	µg/L									
1,2,4-Trichlorobenzene	ND	5.0	1.1	µg/L									
2,4,5-Trichlorophenol	ND	10	0.80	µg/L									
2,4,6-Trichlorophenol	ND	10	0.60	µg/L									
Surrogate: 2-Fluorophenol	*124*			µg/L	400.0		30.9		15-110				
Surrogate: Phenol-d6	*104*			µg/L	400.0		25.9		15-110				
Surrogate: Nitrobenzene-d5	*124*			µg/L	200.0		62.2		30-130				
Surrogate: 2-Fluorobiphenyl	*112*			µg/L	200.0		56.1		30-130				
Surrogate: 2,4,6-Tribromophenol	*170*			µg/L	400.0		42.5		15-110				
Surrogate: p-Terphenyl-d14	*140*			µg/L	200.0		70.2		30-130				
LCS (B410891-BS1)					Prepared: 08/06/25 Analyzed: 08/11/25								
Acenaphthene	61.1	5.0	0.87	µg/L	100.0		61.1		40-140				
Acenaphthylene	66.0	5.0	0.74	µg/L	100.0		66.0		40-140				
Acetophenone	64.1	10	0.73	µg/L	100.0		64.1		40-140				
Aniline	52.7	20	13	µg/L	100.0		52.7		40-140				
Anthracene	66.7	5.0	0.65	µg/L	100.0		66.7		40-140				
Benzidine	36.8	20	12	µg/L	100.0		**36.8**	*	40-140			L-07A	
Benzo(a)anthracene	66.9	5.0	0.61	µg/L	100.0		66.9		40-140				
Benzo(a)pyrene	67.9	5.0	0.73	µg/L	100.0		67.9		40-140				
Benzo(b)fluoranthene	67.7	5.0	0.61	µg/L	100.0		67.7		40-140				
Benzo(g,h,i)perylene	76.0	5.0	0.85	µg/L	100.0		76.0		40-140				
Benzo(k)fluoranthene	69.6	5.0	0.67	µg/L	100.0		69.6		40-140				
Benzoic Acid	12.4	20		µg/L	100.0		12.4		10-130			J	†
Bis(2-chloroethoxy)methane	66.3	10	0.74	µg/L	100.0		66.3		40-140				
Bis(2-chloroethyl)ether	62.2	10	0.85	µg/L	100.0		62.2		40-140				
2,2'-oxybis(1-Chloropropane)	62.2	10	0.65	µg/L	100.0		62.2		40-140				
Bis(2-Ethylhexyl)phthalate	59.9	10	2.2	µg/L	100.0		59.9		40-140				
4-Bromophenylphenylether	61.6	10	0.74	µg/L	100.0		61.6		40-140				
Butylbenzylphthalate	69.1	10	0.80	µg/L	100.0		69.1		40-140				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B410891 - SW-846 3510C													
LCS (B410891-BS1)					Prepared: 08/06/25 Analyzed: 08/11/25								
Carbazole	70.2	10	0.68	µg/L	100.0		70.2		40-140				
4-Chloroaniline	65.7	10	4.2	µg/L	100.0		65.7		40-140				
4-Chloro-3-methylphenol	60.9	10	2.5	µg/L	100.0		60.9		30-130				
2-Chloronaphthalene	56.3	10	0.76	µg/L	100.0		56.3		40-140				
2-Chlorophenol	62.3	10	0.80	µg/L	100.0		62.3		30-130				
4-Chlorophenylphenylether	62.8	10	0.85	µg/L	100.0		62.8		40-140				
Chrysene	66.0	5.0	0.75	µg/L	100.0		66.0		40-140				
Dibenz(a,h)anthracene	71.6	5.0	0.82	µg/L	100.0		71.6		40-140				
Dibenzofuran	64.8	5.0	0.79	µg/L	100.0		64.8		40-140				
Di-n-butylphthalate	63.2	10	4.7	µg/L	100.0		63.2		40-140				
1,2-Dichlorobenzene	35.5	5.0	1.0	µg/L	100.0		**35.5**	*	40-140			L-04	
1,3-Dichlorobenzene	34.6	5.0	0.97	µg/L	100.0		**34.6**	*	40-140			L-04	
1,4-Dichlorobenzene	35.5	5.0	1.1	µg/L	100.0		**35.5**	*	40-140			L-04	
3,3-Dichlorobenzidine	74.4	10	3.5	µg/L	100.0		74.4		40-140				
2,4-Dichlorophenol	64.3	10	2.3	µg/L	100.0		64.3		30-130				
Diethylphthalate	62.3	10	1.7	µg/L	100.0		62.3		40-140				
2,4-Dimethylphenol	62.0	10	0.69	µg/L	100.0		62.0		30-130				
Dimethylphthalate	63.8	10	0.66	µg/L	100.0		63.8		40-140				
4,6-Dinitro-2-methylphenol	62.4	20	2.7	µg/L	100.0		62.4		30-130				
2,4-Dinitrophenol	48.3	20	3.3	µg/L	100.0		48.3		30-130				
2,4-Dinitrotoluene	70.7	10	1.9	µg/L	100.0		70.7		40-140				
2,6-Dinitrotoluene	74.4	10	1.8	µg/L	100.0		74.4		40-140				
Di-n-octylphthalate	53.1	10	3.0	µg/L	100.0		53.1		40-140				
1,2-Diphenylhydrazine/Azobenzene	69.7	10	0.61	µg/L	100.0		69.7		40-140				
Fluoranthene	67.5	5.0	0.79	µg/L	100.0		67.5		40-140				
Fluorene	67.7	5.0	0.72	µg/L	100.0		67.7		40-140				
Hexachlorobenzene	68.6	10	0.76	µg/L	100.0		68.6		40-140				
Hexachlorobutadiene	32.6	10	4.7	µg/L	100.0		**32.6**	*	40-140			L-04	
Hexachlorocyclopentadiene	45.2	10	4.5	µg/L	100.0		45.2		30-140				†
Hexachloroethane	31.6	10	4.8	µg/L	100.0		**31.6**	*	40-140			L-04	
Indeno(1,2,3-cd)pyrene	75.5	5.0	0.82	µg/L	100.0		75.5		40-140				
Isophorone	70.2	10	0.88	µg/L	100.0		70.2		40-140				
1-Methylnaphthalene	53.4	5.0	0.96	µg/L	100.0		53.4		40-140				
2-Methylnaphthalene	48.4	5.0	0.90	µg/L	100.0		48.4		40-140				
2-Methylphenol	55.5	10	0.73	µg/L	100.0		55.5		30-130				
3/4-Methylphenol	53.2	10	2.1	µg/L	100.0		53.2		30-130				
Naphthalene	45.3	5.0	0.94	µg/L	100.0		45.3		40-140				
2-Nitroaniline	78.4	10	3.3	µg/L	100.0		78.4		40-140			V-35	
3-Nitroaniline	70.7	10	2.6	µg/L	100.0		70.7		40-140				
4-Nitroaniline	71.3	10	2.4	µg/L	100.0		71.3		40-140				
Nitrobenzene	63.0	10	0.94	µg/L	100.0		63.0		40-140				
2-Nitrophenol	66.4	10	2.8	µg/L	100.0		66.4		30-130				
4-Nitrophenol	33.8	10	1.2	µg/L	100.0		33.8		10-130				†
N-Nitrosodimethylamine	35.9	10	3.6	µg/L	100.0		**35.9**	*	40-140			L-04	
N-Nitrosodiphenylamine/Diphenylamine	67.8	10	0.58	µg/L	100.0		67.8		40-140				
N-Nitrosodi-n-propylamine	60.0	10	2.3	µg/L	100.0		60.0		40-140				
Pentachloronitrobenzene	74.5	10	1.6	µg/L	100.0		74.5		40-140				
Pentachlorophenol	59.2	10	3.5	µg/L	100.0		59.2		30-130				
Phenanthrene	66.7	5.0	0.70	µg/L	100.0		66.7		40-140				
Phenol	32.4	10	1.5	µg/L	100.0		32.4		20-130				†

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC		%REC Limits	RPD		RPD Limit	Notes	
Batch B410891 - SW-846 3510C														
LCS (B410891-BS1)					Prepared: 08/06/25 Analyzed: 08/11/25									
Pyrene	63.3	5.0	0.62	µg/L	100.0		63.3		40-140					
Pyridine	27.9	20	7.2	µg/L	100.0		27.9		10-140					†
1,2,4,5-Tetrachlorobenzene	53.5	10	1.0	µg/L	100.0		53.5		40-140					
1,2,4-Trichlorobenzene	38.3	5.0	1.1	µg/L	100.0		**38.3**	*	40-140				L-07	
2,4,5-Trichlorophenol	63.1	10	0.80	µg/L	100.0		63.1		30-130					
2,4,6-Trichlorophenol	62.4	10	0.60	µg/L	100.0		62.4		30-130					
Surrogate: 2-Fluorophenol	*193*			µg/L	400.0		48.3		15-110					
Surrogate: Phenol-d6	*141*			µg/L	400.0		35.3		15-110					
Surrogate: Nitrobenzene-d5	*128*			µg/L	200.0		64.2		30-130					
Surrogate: 2-Fluorobiphenyl	*131*			µg/L	200.0		65.3		30-130					
Surrogate: 2,4,6-Tribromophenol	*344*			µg/L	400.0		86.1		15-110					
Surrogate: p-Terphenyl-d14	*136*			µg/L	200.0		68.2		30-130					
LCS Dup (B410891-BSD1)					Prepared: 08/06/25 Analyzed: 08/11/25									
Acenaphthene	63.7	5.0	0.87	µg/L	100.0		63.7		40-140	4.21		20		
Acenaphthylene	69.0	5.0	0.74	µg/L	100.0		69.0		40-140	4.38		20		
Acetophenone	65.0	10	0.73	µg/L	100.0		65.0		40-140	1.30		20		
Aniline	51.6	20	13	µg/L	100.0		51.6		40-140	2.17		50		‡
Anthracene	69.2	5.0	0.65	µg/L	100.0		69.2		40-140	3.62		20		
Benzidine	47.9	20	12	µg/L	100.0		47.9		40-140	**26.4**	*	20	R-05	
Benzo(a)anthracene	69.0	5.0	0.61	µg/L	100.0		69.0		40-140	3.08		20		
Benzo(a)pyrene	70.2	5.0	0.73	µg/L	100.0		70.2		40-140	3.42		20		
Benzo(b)fluoranthene	70.0	5.0	0.61	µg/L	100.0		70.0		40-140	3.22		20		
Benzo(g,h,i)perylene	78.9	5.0	0.85	µg/L	100.0		78.9		40-140	3.65		20		
Benzo(k)fluoranthene	72.0	5.0	0.67	µg/L	100.0		72.0		40-140	3.36		20		
Benzoic Acid	16.6	20		µg/L	100.0		16.6		10-130	29.0		50	J	† ‡
Bis(2-chloroethoxy)methane	64.4	10	0.74	µg/L	100.0		64.4		40-140	2.97		20		
Bis(2-chloroethyl)ether	61.7	10	0.85	µg/L	100.0		61.7		40-140	0.727		20		
2,2'-oxybis(1-Chloropropane)	63.0	10	0.65	µg/L	100.0		63.0		40-140	1.36		20		
Bis(2-Ethylhexyl)phthalate	61.3	10	2.2	µg/L	100.0		61.3		40-140	2.36		20		
4-Bromophenylphenylether	64.2	10	0.74	µg/L	100.0		64.2		40-140	4.10		20		
Butylbenzylphthalate	72.6	10	0.80	µg/L	100.0		72.6		40-140	4.94		20		
Carbazole	71.8	10	0.68	µg/L	100.0		71.8		40-140	2.23		20		
4-Chloroaniline	67.2	10	4.2	µg/L	100.0		67.2		40-140	2.24		20		
4-Chloro-3-methylphenol	59.8	10	2.5	µg/L	100.0		59.8		30-130	1.77		20		
2-Chloronaphthalene	58.2	10	0.76	µg/L	100.0		58.2		40-140	3.44		20		
2-Chlorophenol	61.1	10	0.80	µg/L	100.0		61.1		30-130	1.95		20		
4-Chlorophenylphenylether	62.2	10	0.85	µg/L	100.0		62.2		40-140	0.976		20		
Chrysene	68.4	5.0	0.75	µg/L	100.0		68.4		40-140	3.54		20		
Dibenz(a,h)anthracene	73.6	5.0	0.82	µg/L	100.0		73.6		40-140	2.78		20		
Dibenzofuran	67.6	5.0	0.79	µg/L	100.0		67.6		40-140	4.22		20		
Di-n-butylphthalate	65.7	10	4.7	µg/L	100.0		65.7		40-140	3.74		20		
1,2-Dichlorobenzene	38.4	5.0	1.0	µg/L	100.0		**38.4**	*	40-140	7.83		20	L-04	
1,3-Dichlorobenzene	35.6	5.0	0.97	µg/L	100.0		**35.6**	*	40-140	2.91		20	L-04	
1,4-Dichlorobenzene	37.0	5.0	1.1	µg/L	100.0		**37.0**	*	40-140	4.24		20	L-04	
3,3-Dichlorobenzidine	77.7	10	3.5	µg/L	100.0		77.7		40-140	4.30		20		
2,4-Dichlorophenol	64.3	10	2.3	µg/L	100.0		64.3		30-130	0.0622		20		
Diethylphthalate	63.8	10	1.7	µg/L	100.0		63.8		40-140	2.44		20		
2,4-Dimethylphenol	61.1	10	0.69	µg/L	100.0		61.1		30-130	1.45		20		
Dimethylphthalate	65.0	10	0.66	µg/L	100.0		65.0		40-140	1.82		50		‡

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B410891 - SW-846 3510C													
LCS Dup (B410891-BSD1)					Prepared: 08/06/25 Analyzed: 08/11/25								
4,6-Dinitro-2-methylphenol	68.3	20	2.7	µg/L	100.0		68.3		30-130	9.06	50		‡
2,4-Dinitrophenol	54.9	20	3.3	µg/L	100.0		54.9		30-130	12.8	50		‡
2,4-Dinitrotoluene	74.5	10	1.9	µg/L	100.0		74.5		40-140	5.29	20		
2,6-Dinitrotoluene	77.8	10	1.8	µg/L	100.0		77.8		40-140	4.39	20		
Di-n-octylphthalate	55.5	10	3.0	µg/L	100.0		55.5		40-140	4.40	20		
1,2-Diphenylhydrazine/Azobenzene	70.9	10	0.61	µg/L	100.0		70.9		40-140	1.68	20		
Fluoranthene	69.0	5.0	0.79	µg/L	100.0		69.0		40-140	2.20	20		
Fluorene	68.3	5.0	0.72	µg/L	100.0		68.3		40-140	0.912	20		
Hexachlorobenzene	71.0	10	0.76	µg/L	100.0		71.0		40-140	3.40	20		
Hexachlorobutadiene	35.1	10	4.7	µg/L	100.0		**35.1**	*	40-140	7.20	20	L-04	
Hexachlorocyclopentadiene	51.0	10	4.5	µg/L	100.0		51.0		30-140	12.2	50		† ‡
Hexachloroethane	33.2	10	4.8	µg/L	100.0		**33.2**	*	40-140	4.66	50	L-04	‡
Indeno(1,2,3-cd)pyrene	77.7	5.0	0.82	µg/L	100.0		77.7		40-140	2.89	50		‡
Isophorone	69.2	10	0.88	µg/L	100.0		69.2		40-140	1.35	20		
1-Methylnaphthalene	54.2	5.0	0.96	µg/L	100.0		54.2		40-140	1.45	20		
2-Methylnaphthalene	49.5	5.0	0.90	µg/L	100.0		49.5		40-140	2.29	20		
2-Methylphenol	55.8	10	0.73	µg/L	100.0		55.8		30-130	0.449	20		
3/4-Methylphenol	52.1	10	2.1	µg/L	100.0		52.1		30-130	2.13	20		
Naphthalene	49.0	5.0	0.94	µg/L	100.0		49.0		40-140	7.82	20		
2-Nitroaniline	80.9	10	3.3	µg/L	100.0		80.9		40-140	3.13	20	V-35	
3-Nitroaniline	74.3	10	2.6	µg/L	100.0		74.3		40-140	5.05	20		
4-Nitroaniline	75.6	10	2.4	µg/L	100.0		75.6		40-140	5.76	20		
Nitrobenzene	62.2	10	0.94	µg/L	100.0		62.2		40-140	1.23	20		
2-Nitrophenol	63.8	10	2.8	µg/L	100.0		63.8		30-130	4.02	20		
4-Nitrophenol	35.1	10	1.2	µg/L	100.0		35.1		10-130	3.83	50		† ‡
N-Nitrosodimethylamine	36.3	10	3.6	µg/L	100.0		**36.3**	*	40-140	1.19	20	L-04	
N-Nitrosodiphenylamine/Diphenylamine	71.2	10	0.58	µg/L	100.0		71.2		40-140	4.96	20		
N-Nitrosodi-n-propylamine	61.2	10	2.3	µg/L	100.0		61.2		40-140	2.10	20		
Pentachloronitrobenzene	78.1	10	1.6	µg/L	100.0		78.1		40-140	4.68	20		
Pentachlorophenol	61.3	10	3.5	µg/L	100.0		61.3		30-130	3.47	50		‡
Phenanthrene	68.8	5.0	0.70	µg/L	100.0		68.8		40-140	3.10	20		
Phenol	30.9	10	1.5	µg/L	100.0		30.9		20-130	4.86	20		†
Pyrene	67.8	5.0	0.62	µg/L	100.0		67.8		40-140	6.78	20		
Pyridine	28.1	20	7.2	µg/L	100.0		28.1		10-140	0.535	50		† ‡
1,2,4,5-Tetrachlorobenzene	57.2	10	1.0	µg/L	100.0		57.2		40-140	6.60	20		
1,2,4-Trichlorobenzene	43.5	5.0	1.1	µg/L	100.0		43.5		40-140	12.6	20		
2,4,5-Trichlorophenol	66.4	10	0.80	µg/L	100.0		66.4		30-130	5.14	20		
2,4,6-Trichlorophenol	65.0	10	0.60	µg/L	100.0		65.0		30-130	4.21	50		‡
Surrogate: 2-Fluorophenol	*177*			µg/L	400.0		44.2		15-110				
Surrogate: Phenol-d6	*127*			µg/L	400.0		31.7		15-110				
Surrogate: Nitrobenzene-d5	*122*			µg/L	200.0		60.9		30-130				
Surrogate: 2-Fluorobiphenyl	*125*			µg/L	200.0		62.6		30-130				
Surrogate: 2,4,6-Tribromophenol	*328*			µg/L	400.0		81.9		15-110				
Surrogate: p-Terphenyl-d14	*139*			µg/L	200.0		69.7		30-130				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B411051 - SW-846 3510C											
Blank (B411051-BLK1)					Prepared: 08/08/25 Analyzed: 08/11/25						
Acenaphthene	ND	5.0	0.87	µg/L							
Acenaphthylene	ND	5.0	0.74	µg/L							
Acetophenone	ND	10	0.73	µg/L							
Aniline	ND	20	13	µg/L							
Anthracene	ND	5.0	0.65	µg/L							
Benzidine	ND	20	12	µg/L							
Benzo(a)anthracene	ND	5.0	0.61	µg/L							
Benzo(a)pyrene	ND	5.0	0.73	µg/L							
Benzo(b)fluoranthene	ND	5.0	0.61	µg/L							
Benzo(g,h,i)perylene	ND	5.0	0.85	µg/L							
Benzo(k)fluoranthene	ND	5.0	0.67	µg/L							
Benzoic Acid	ND	20		µg/L							
Bis(2-chloroethoxy)methane	ND	10	0.74	µg/L							
Bis(2-chloroethyl)ether	ND	10	0.85	µg/L							
2,2'-oxybis(1-Chloropropane)	ND	10	0.65	µg/L							
Bis(2-Ethylhexyl)phthalate	ND	10	2.2	µg/L							
4-Bromophenylphenylether	ND	10	0.74	µg/L							
Butylbenzylphthalate	ND	10	0.80	µg/L							
Carbazole	ND	10	0.68	µg/L							
4-Chloroaniline	ND	10	4.2	µg/L							
4-Chloro-3-methylphenol	ND	10	2.5	µg/L							
2-Chloronaphthalene	ND	10	0.76	µg/L							
2-Chlorophenol	ND	10	0.80	µg/L							
4-Chlorophenylphenylether	ND	10	0.85	µg/L							
Chrysene	ND	5.0	0.75	µg/L							
Dibenz(a,h)anthracene	ND	5.0	0.82	µg/L							
Dibenzofuran	ND	5.0	0.79	µg/L							
Di-n-butylphthalate	ND	10	4.7	µg/L							
1,2-Dichlorobenzene	ND	5.0	1.0	µg/L							
1,3-Dichlorobenzene	ND	5.0	0.97	µg/L							
1,4-Dichlorobenzene	ND	5.0	1.1	µg/L							
3,3-Dichlorobenzidine	ND	10	3.5	µg/L							
2,4-Dichlorophenol	ND	10	2.3	µg/L							
Diethylphthalate	ND	10	1.7	µg/L							
2,4-Dimethylphenol	ND	10	0.69	µg/L							
Dimethylphthalate	ND	10	0.66	µg/L							
4,6-Dinitro-2-methylphenol	ND	20	2.7	µg/L							
2,4-Dinitrophenol	ND	20	3.3	µg/L							
2,4-Dinitrotoluene	ND	10	1.9	µg/L							
2,6-Dinitrotoluene	ND	10	1.8	µg/L							
Di-n-octylphthalate	ND	10	3.0	µg/L							
1,2-Diphenylhydrazine/Azobenzene	ND	10	0.61	µg/L							
Fluoranthene	ND	5.0	0.79	µg/L							
Fluorene	ND	5.0	0.72	µg/L							
Hexachlorobenzene	ND	10	0.76	µg/L							
Hexachlorobutadiene	ND	10	4.7	µg/L							
Hexachlorocyclopentadiene	ND	10	4.5	µg/L							
Hexachloroethane	ND	10	4.8	µg/L							
Indeno(1,2,3-cd)pyrene	ND	5.0	0.82	µg/L							
Isophorone	ND	10	0.88	µg/L							

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B411051 - SW-846 3510C													
Blank (B411051-BLK1)					Prepared: 08/08/25 Analyzed: 08/11/25								
1-Methylnaphthalene	ND	5.0	0.96	µg/L									
2-Methylnaphthalene	ND	5.0	0.90	µg/L									
2-Methylphenol	ND	10	0.73	µg/L									
3/4-Methylphenol	ND	10	2.1	µg/L									
Naphthalene	ND	5.0	0.94	µg/L									
2-Nitroaniline	ND	10	3.3	µg/L								V-35	
3-Nitroaniline	ND	10	2.6	µg/L									
4-Nitroaniline	ND	10	2.4	µg/L									
Nitrobenzene	ND	10	0.94	µg/L									
2-Nitrophenol	ND	10	2.8	µg/L									
4-Nitrophenol	ND	10	1.2	µg/L									
N-Nitrosodimethylamine	ND	10	3.6	µg/L								L-04	
N-Nitrosodiphenylamine/Diphenylamine	ND	10	0.58	µg/L									
N-Nitrosodi-n-propylamine	ND	10	2.3	µg/L									
Pentachloronitrobenzene	ND	10	1.6	µg/L									
Pentachlorophenol	ND	10	3.5	µg/L									
Phenanthrene	ND	5.0	0.70	µg/L									
Phenol	ND	10	1.5	µg/L									
Pyrene	ND	5.0	0.62	µg/L									
Pyridine	ND	20	7.2	µg/L									
1,2,4,5-Tetrachlorobenzene	ND	10	1.0	µg/L									
1,2,4-Trichlorobenzene	ND	5.0	1.1	µg/L									
2,4,5-Trichlorophenol	ND	10	0.80	µg/L									
2,4,6-Trichlorophenol	ND	10	0.60	µg/L									
Surrogate: 2-Fluorophenol	*231*			µg/L	400.0		57.7		15-110				
Surrogate: Phenol-d6	*151*			µg/L	400.0		37.8		15-110				
Surrogate: Nitrobenzene-d5	*149*			µg/L	200.0		74.4		30-130				
Surrogate: 2-Fluorobiphenyl	*151*			µg/L	200.0		75.6		30-130				
Surrogate: 2,4,6-Tribromophenol	*338*			µg/L	400.0		84.4		15-110				
Surrogate: p-Terphenyl-d14	*159*			µg/L	200.0		79.4		30-130				
LCS (B411051-BS1)					Prepared: 08/08/25 Analyzed: 08/11/25								
Acenaphthene	64.4	5.0	0.87	µg/L	100.0		64.4		40-140				
Acenaphthylene	69.9	5.0	0.74	µg/L	100.0		69.9		40-140				
Acetophenone	73.0	10	0.73	µg/L	100.0		73.0		40-140				
Aniline	46.2	20	13	µg/L	100.0		46.2		40-140				
Anthracene	65.2	5.0	0.65	µg/L	100.0		65.2		40-140				
Benzidine	17.7	20	12	µg/L	100.0		**17.7**	*	40-140			L-07A, J	
Benzo(a)anthracene	64.7	5.0	0.61	µg/L	100.0		64.7		40-140				
Benzo(a)pyrene	66.9	5.0	0.73	µg/L	100.0		66.9		40-140				
Benzo(b)fluoranthene	65.5	5.0	0.61	µg/L	100.0		65.5		40-140				
Benzo(g,h,i)perylene	71.7	5.0	0.85	µg/L	100.0		71.7		40-140				
Benzo(k)fluoranthene	66.8	5.0	0.67	µg/L	100.0		66.8		40-140				
Benzoic Acid	13.6	20		µg/L	100.0		13.6		10-130			J	†
Bis(2-chloroethoxy)methane	70.6	10	0.74	µg/L	100.0		70.6		40-140				
Bis(2-chloroethyl)ether	67.4	10	0.85	µg/L	100.0		67.4		40-140				
2,2'-oxybis(1-Chloropropane)	74.5	10	0.65	µg/L	100.0		74.5		40-140				
Bis(2-Ethylhexyl)phthalate	59.2	10	2.2	µg/L	100.0		59.2		40-140				
4-Bromophenylphenylether	60.9	10	0.74	µg/L	100.0		60.9		40-140				
Butylbenzylphthalate	67.1	10	0.80	µg/L	100.0		67.1		40-140				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B411051 - SW-846 3510C													
LCS (B411051-BS1)					Prepared: 08/08/25 Analyzed: 08/11/25								
Carbazole	66.5	10	0.68	µg/L	100.0		66.5		40-140				
4-Chloroaniline	68.5	10	4.2	µg/L	100.0		68.5		40-140				
4-Chloro-3-methylphenol	65.6	10	2.5	µg/L	100.0		65.6		30-130				
2-Chloronaphthalene	62.7	10	0.76	µg/L	100.0		62.7		40-140				
2-Chlorophenol	66.7	10	0.80	µg/L	100.0		66.7		30-130				
4-Chlorophenylphenylether	64.3	10	0.85	µg/L	100.0		64.3		40-140				
Chrysene	63.9	5.0	0.75	µg/L	100.0		63.9		40-140				
Dibenz(a,h)anthracene	70.1	5.0	0.82	µg/L	100.0		70.1		40-140				
Dibenzofuran	68.3	5.0	0.79	µg/L	100.0		68.3		40-140				
Di-n-butylphthalate	63.6	10	4.7	µg/L	100.0		63.6		40-140				
1,2-Dichlorobenzene	66.2	5.0	1.0	µg/L	100.0		66.2		40-140				
1,3-Dichlorobenzene	62.3	5.0	0.97	µg/L	100.0		62.3		40-140				
1,4-Dichlorobenzene	64.0	5.0	1.1	µg/L	100.0		64.0		40-140				
3,3-Dichlorobenzidine	71.4	10	3.5	µg/L	100.0		71.4		40-140				
2,4-Dichlorophenol	68.4	10	2.3	µg/L	100.0		68.4		30-130				
Diethylphthalate	65.0	10	1.7	µg/L	100.0		65.0		40-140				
2,4-Dimethylphenol	65.3	10	0.69	µg/L	100.0		65.3		30-130				
Dimethylphthalate	65.1	10	0.66	µg/L	100.0		65.1		40-140				
4,6-Dinitro-2-methylphenol	60.3	20	2.7	µg/L	100.0		60.3		30-130				
2,4-Dinitrophenol	52.0	20	3.3	µg/L	100.0		52.0		30-130				
2,4-Dinitrotoluene	73.3	10	1.9	µg/L	100.0		73.3		40-140				
2,6-Dinitrotoluene	78.4	10	1.8	µg/L	100.0		78.4		40-140				
Di-n-octylphthalate	54.4	10	3.0	µg/L	100.0		54.4		40-140				
1,2-Diphenylhydrazine/Azobenzene	68.1	10	0.61	µg/L	100.0		68.1		40-140				
Fluoranthene	64.5	5.0	0.79	µg/L	100.0		64.5		40-140				
Fluorene	69.8	5.0	0.72	µg/L	100.0		69.8		40-140				
Hexachlorobenzene	67.2	10	0.76	µg/L	100.0		67.2		40-140				
Hexachlorobutadiene	65.8	10	4.7	µg/L	100.0		65.8		40-140				
Hexachlorocyclopentadiene	71.9	10	4.5	µg/L	100.0		71.9		30-140				†
Hexachloroethane	66.0	10	4.8	µg/L	100.0		66.0		40-140				
Indeno(1,2,3-cd)pyrene	72.0	5.0	0.82	µg/L	100.0		72.0		40-140				
Isophorone	75.5	10	0.88	µg/L	100.0		75.5		40-140				
1-Methylnaphthalene	67.7	5.0	0.96	µg/L	100.0		67.7		40-140				
2-Methylnaphthalene	62.5	5.0	0.90	µg/L	100.0		62.5		40-140				
2-Methylphenol	61.4	10	0.73	µg/L	100.0		61.4		30-130				
3/4-Methylphenol	59.5	10	2.1	µg/L	100.0		59.5		30-130				
Naphthalene	67.0	5.0	0.94	µg/L	100.0		67.0		40-140				
2-Nitroaniline	78.7	10	3.3	µg/L	100.0		78.7		40-140			V-35	
3-Nitroaniline	73.2	10	2.6	µg/L	100.0		73.2		40-140				
4-Nitroaniline	73.0	10	2.4	µg/L	100.0		73.0		40-140				
Nitrobenzene	69.4	10	0.94	µg/L	100.0		69.4		40-140				
2-Nitrophenol	68.2	10	2.8	µg/L	100.0		68.2		30-130				
4-Nitrophenol	33.8	10	1.2	µg/L	100.0		33.8		10-130				†
N-Nitrosodimethylamine	37.4	10	3.6	µg/L	100.0		**37.4**	*	40-140			L-04	
N-Nitrosodiphenylamine/Diphenylamine	65.6	10	0.58	µg/L	100.0		65.6		40-140				
N-Nitrosodi-n-propylamine	66.1	10	2.3	µg/L	100.0		66.1		40-140				
Pentachloronitrobenzene	72.5	10	1.6	µg/L	100.0		72.5		40-140				
Pentachlorophenol	55.9	10	3.5	µg/L	100.0		55.9		30-130				
Phenanthrene	64.0	5.0	0.70	µg/L	100.0		64.0		40-140				
Phenol	33.4	10	1.5	µg/L	100.0		33.4		20-130				†

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B411051 - SW-846 3510C												
LCS (B411051-BS1)					Prepared: 08/08/25 Analyzed: 08/11/25							
Pyrene	62.9	5.0	0.62	µg/L	100.0		62.9	40-140				
Pyridine	24.1	20	7.2	µg/L	100.0		24.1	10-140				†
1,2,4,5-Tetrachlorobenzene	66.6	10	1.0	µg/L	100.0		66.6	40-140				
1,2,4-Trichlorobenzene	66.2	5.0	1.1	µg/L	100.0		66.2	40-140				
2,4,5-Trichlorophenol	69.6	10	0.80	µg/L	100.0		69.6	30-130				
2,4,6-Trichlorophenol	67.2	10	0.60	µg/L	100.0		67.2	30-130				
Surrogate: 2-Fluorophenol	*206*			µg/L	400.0		51.5	15-110				
Surrogate: Phenol-d6	*147*			µg/L	400.0		36.8	15-110				
Surrogate: Nitrobenzene-d5	*140*			µg/L	200.0		70.2	30-130				
Surrogate: 2-Fluorobiphenyl	*143*			µg/L	200.0		71.3	30-130				
Surrogate: 2,4,6-Tribromophenol	*351*			µg/L	400.0		87.9	15-110				
Surrogate: p-Terphenyl-d14	*141*			µg/L	200.0		70.5	30-130				
LCS Dup (B411051-BSD1)					Prepared: 08/08/25 Analyzed: 08/11/25							
Acenaphthene	60.5	5.0	0.87	µg/L	100.0		60.5	40-140	6.21	20		
Acenaphthylene	66.6	5.0	0.74	µg/L	100.0		66.6	40-140	4.92	20		
Acetophenone	66.5	10	0.73	µg/L	100.0		66.5	40-140	9.31	20		
Aniline	55.0	20	13	µg/L	100.0		55.0	40-140	17.4	50		‡
Anthracene	63.9	5.0	0.65	µg/L	100.0		63.9	40-140	2.09	20		
Benzidine	56.8	20	12	µg/L	100.0		56.8	40-140	**105** *	20	R-05	
Benzo(a)anthracene	65.4	5.0	0.61	µg/L	100.0		65.4	40-140	1.11	20		
Benzo(a)pyrene	67.6	5.0	0.73	µg/L	100.0		67.6	40-140	1.01	20		
Benzo(b)fluoranthene	64.6	5.0	0.61	µg/L	100.0		64.6	40-140	1.29	20		
Benzo(g,h,i)perylene	71.2	5.0	0.85	µg/L	100.0		71.2	40-140	0.657	20		
Benzo(k)fluoranthene	66.2	5.0	0.67	µg/L	100.0		66.2	40-140	0.932	20		
Benzoic Acid	16.4	20		µg/L	100.0		16.4	10-130	18.5	50	J	† ‡
Bis(2-chloroethoxy)methane	65.0	10	0.74	µg/L	100.0		65.0	40-140	8.24	20		
Bis(2-chloroethyl)ether	63.3	10	0.85	µg/L	100.0		63.3	40-140	6.32	20		
2,2'-oxybis(1-Chloropropane)	70.3	10	0.65	µg/L	100.0		70.3	40-140	5.78	20		
Bis(2-Ethylhexyl)phthalate	59.4	10	2.2	µg/L	100.0		59.4	40-140	0.388	20		
4-Bromophenylphenylether	59.4	10	0.74	µg/L	100.0		59.4	40-140	2.56	20		
Butylbenzylphthalate	67.7	10	0.80	µg/L	100.0		67.7	40-140	0.906	20		
Carbazole	66.1	10	0.68	µg/L	100.0		66.1	40-140	0.573	20		
4-Chloroaniline	67.1	10	4.2	µg/L	100.0		67.1	40-140	2.18	20		
4-Chloro-3-methylphenol	63.0	10	2.5	µg/L	100.0		63.0	30-130	4.10	20		
2-Chloronaphthalene	60.8	10	0.76	µg/L	100.0		60.8	40-140	3.01	20		
2-Chlorophenol	64.5	10	0.80	µg/L	100.0		64.5	30-130	3.32	20		
4-Chlorophenylphenylether	60.4	10	0.85	µg/L	100.0		60.4	40-140	6.16	20		
Chrysene	64.1	5.0	0.75	µg/L	100.0		64.1	40-140	0.281	20		
Dibenz(a,h)anthracene	69.3	5.0	0.82	µg/L	100.0		69.3	40-140	1.15	20		
Dibenzofuran	64.1	5.0	0.79	µg/L	100.0		64.1	40-140	6.38	20		
Di-n-butylphthalate	61.3	10	4.7	µg/L	100.0		61.3	40-140	3.75	20		
1,2-Dichlorobenzene	61.7	5.0	1.0	µg/L	100.0		61.7	40-140	7.03	20		
1,3-Dichlorobenzene	59.8	5.0	0.97	µg/L	100.0		59.8	40-140	4.00	20		
1,4-Dichlorobenzene	61.9	5.0	1.1	µg/L	100.0		61.9	40-140	3.40	20		
3,3-Dichlorobenzidine	75.1	10	3.5	µg/L	100.0		75.1	40-140	4.98	20		
2,4-Dichlorophenol	64.7	10	2.3	µg/L	100.0		64.7	30-130	5.55	20		
Diethylphthalate	60.2	10	1.7	µg/L	100.0		60.2	40-140	7.62	20		
2,4-Dimethylphenol	62.3	10	0.69	µg/L	100.0		62.3	30-130	4.68	20		
Dimethylphthalate	60.6	10	0.66	µg/L	100.0		60.6	40-140	7.15	50		‡

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B411051 - SW-846 3510C												
LCS Dup (B411051-BSD1)					Prepared: 08/08/25 Analyzed: 08/11/25							
4,6-Dinitro-2-methylphenol	59.9	20	2.7	µg/L	100.0		59.9	30-130	0.682	50		‡
2,4-Dinitrophenol	47.1	20	3.3	µg/L	100.0		47.1	30-130	9.95	50		‡
2,4-Dinitrotoluene	69.1	10	1.9	µg/L	100.0		69.1	40-140	5.94	20		
2,6-Dinitrotoluene	72.4	10	1.8	µg/L	100.0		72.4	40-140	7.91	20		
Di-n-octylphthalate	55.5	10	3.0	µg/L	100.0		55.5	40-140	1.93	20		
1,2-Diphenylhydrazine/Azobenzene	66.2	10	0.61	µg/L	100.0		66.2	40-140	2.82	20		
Fluoranthene	65.1	5.0	0.79	µg/L	100.0		65.1	40-140	0.833	20		
Fluorene	65.2	5.0	0.72	µg/L	100.0		65.2	40-140	6.95	20		
Hexachlorobenzene	64.1	10	0.76	µg/L	100.0		64.1	40-140	4.77	20		
Hexachlorobutadiene	63.6	10	4.7	µg/L	100.0		63.6	40-140	3.45	20		
Hexachlorocyclopentadiene	65.7	10	4.5	µg/L	100.0		65.7	30-140	9.06	50		† ‡
Hexachloroethane	62.4	10	4.8	µg/L	100.0		62.4	40-140	5.56	50		‡
Indeno(1,2,3-cd)pyrene	71.2	5.0	0.82	µg/L	100.0		71.2	40-140	0.992	50		‡
Isophorone	70.4	10	0.88	µg/L	100.0		70.4	40-140	6.99	20		
1-Methylnaphthalene	63.5	5.0	0.96	µg/L	100.0		63.5	40-140	6.34	20		
2-Methylnaphthalene	60.5	5.0	0.90	µg/L	100.0		60.5	40-140	3.25	20		
2-Methylphenol	58.8	10	0.73	µg/L	100.0		58.8	30-130	4.29	20		
3/4-Methylphenol	55.4	10	2.1	µg/L	100.0		55.4	30-130	7.24	20		
Naphthalene	62.6	5.0	0.94	µg/L	100.0		62.6	40-140	6.81	20		
2-Nitroaniline	77.3	10	3.3	µg/L	100.0		77.3	40-140	1.86	20	V-35	
3-Nitroaniline	70.7	10	2.6	µg/L	100.0		70.7	40-140	3.43	20		
4-Nitroaniline	67.9	10	2.4	µg/L	100.0		67.9	40-140	7.31	20		
Nitrobenzene	66.5	10	0.94	µg/L	100.0		66.5	40-140	4.28	20		
2-Nitrophenol	66.6	10	2.8	µg/L	100.0		66.6	30-130	2.39	20		
4-Nitrophenol	34.9	10	1.2	µg/L	100.0		34.9	10-130	3.17	50		† ‡
N-Nitrosodimethylamine	36.7	10	3.6	µg/L	100.0		**36.7** *	40-140	1.84	20	L-04	
N-Nitrosodiphenylamine/Diphenylamine	66.0	10	0.58	µg/L	100.0		66.0	40-140	0.577	20		
N-Nitrosodi-n-propylamine	62.8	10	2.3	µg/L	100.0		62.8	40-140	5.23	20		
Pentachloronitrobenzene	71.5	10	1.6	µg/L	100.0		71.5	40-140	1.44	20		
Pentachlorophenol	56.8	10	3.5	µg/L	100.0		56.8	30-130	1.53	50		‡
Phenanthrene	62.8	5.0	0.70	µg/L	100.0		62.8	40-140	1.80	20		
Phenol	32.1	10	1.5	µg/L	100.0		32.1	20-130	3.79	20		†
Pyrene	63.2	5.0	0.62	µg/L	100.0		63.2	40-140	0.412	20		
Pyridine	35.1	20	7.2	µg/L	100.0		35.1	10-140	37.3	50		† ‡
1,2,4,5-Tetrachlorobenzene	61.0	10	1.0	µg/L	100.0		61.0	40-140	8.73	20		
1,2,4-Trichlorobenzene	62.0	5.0	1.1	µg/L	100.0		62.0	40-140	6.71	20		
2,4,5-Trichlorophenol	62.8	10	0.80	µg/L	100.0		62.8	30-130	10.3	20		
2,4,6-Trichlorophenol	61.9	10	0.60	µg/L	100.0		61.9	30-130	8.15	50		‡
Surrogate: 2-Fluorophenol	*194*			µg/L	400.0		48.6	15-110				
Surrogate: Phenol-d6	*133*			µg/L	400.0		33.2	15-110				
Surrogate: Nitrobenzene-d5	*127*			µg/L	200.0		63.4	30-130				
Surrogate: 2-Fluorobiphenyl	*123*			µg/L	200.0		61.7	30-130				
Surrogate: 2,4,6-Tribromophenol	*312*			µg/L	400.0		78.0	15-110				
Surrogate: p-Terphenyl-d14	*130*			µg/L	200.0		65.2	30-130				

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QUALITY CONTROL

Drinking Water Organics EPA 500 Series Methods - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B410835 - EPA 524.2											
Blank (B410835-BLK1)					Prepared: 08/06/25 Analyzed: 08/08/25						
Benzene	ND	0.50	0.21	µg/L							
Bromobenzene	ND	0.50	0.16	µg/L							
Bromochloromethane	ND	0.50	0.17	µg/L							
Bromodichloromethane	ND	0.50	0.14	µg/L							
Bromoform	ND	0.50	0.19	µg/L							
Bromomethane	ND	0.50	0.24	µg/L							
n-Butylbenzene	ND	0.50	0.19	µg/L							
sec-Butylbenzene	ND	0.50	0.19	µg/L							
tert-Butylbenzene	ND	0.50	0.17	µg/L							
Carbon Tetrachloride	ND	0.50	0.18	µg/L							
Chlorobenzene	ND	0.50	0.14	µg/L							
Chloroethane	ND	0.50	0.20	µg/L							
Chloroform	ND	0.50	0.18	µg/L							
Chloromethane	ND	0.50	0.35	µg/L							
2-Chlorotoluene	ND	0.50	0.16	µg/L							
4-Chlorotoluene	ND	0.50	0.19	µg/L							
Dibromochloromethane	ND	0.50	0.12	µg/L							
Dibromomethane	ND	0.50	0.15	µg/L							
1,2-Dichlorobenzene	ND	0.50	0.14	µg/L							
1,3-Dichlorobenzene	ND	0.50	0.16	µg/L							
1,4-Dichlorobenzene	ND	0.50	0.18	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.18	µg/L							
1,1-Dichloroethane	ND	0.50	0.17	µg/L							
1,2-Dichloroethane	ND	0.50	0.18	µg/L							
1,1-Dichloroethylene	ND	0.50	0.12	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	0.16	µg/L							
trans-1,2-Dichloroethylene	ND	0.50	0.21	µg/L							
1,2-Dichloropropane	ND	0.50	0.20	µg/L							
1,3-Dichloropropane	ND	0.50	0.12	µg/L							
2,2-Dichloropropane	ND	0.50	0.18	µg/L							
1,1-Dichloropropene	ND	0.50	0.17	µg/L							
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L							
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L							
Ethylbenzene	ND	0.50	0.20	µg/L							
Hexachlorobutadiene	ND	0.50	0.29	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	0.19	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	0.50	0.18	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.11	µg/L							
Methylene Chloride	ND	0.50	0.21	µg/L							
Naphthalene	ND	1.0	0.27	µg/L							
n-Propylbenzene	ND	0.50	0.17	µg/L							
Styrene	ND	0.50	0.19	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	0.13	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L							
Tetrachloroethylene	ND	0.50	0.25	µg/L							
Toluene	ND	0.50	0.20	µg/L							
1,2,3-Trichlorobenzene	ND	0.50	0.23	µg/L							
1,2,4-Trichlorobenzene	ND	0.50	0.30	µg/L							
1,3,5-Trichlorobenzene	ND	0.50	0.23	µg/L							
1,1,1-Trichloroethane	ND	0.50	0.13	µg/L							

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QUALITY CONTROL

Drinking Water Organics EPA 500 Series Methods - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B410835 - EPA 524.2												
Blank (B410835-BLK1)					Prepared: 08/06/25 Analyzed: 08/08/25							
1,1,2-Trichloroethane	ND	0.50	0.13	µg/L								
Trichloroethylene	ND	0.50	0.18	µg/L								
Trichlorofluoromethane (Freon 11)	ND	0.50	0.16	µg/L								
1,2,3-Trichloropropane	ND	0.50	0.13	µg/L								
1,2,4-Trimethylbenzene	ND	0.50	0.21	µg/L								
1,3,5-Trimethylbenzene	ND	0.50	0.18	µg/L								
Vinyl Chloride	ND	0.50	0.29	µg/L								
m&p-Xylene	ND	1.0	0.40	µg/L								
o-Xylene	ND	0.50	0.21	µg/L								
Surrogate: 4-Bromofluorobenzene	*25.4*			µg/L	25.00		101		80-120			
Surrogate: 1,2-Dichlorobenzene-d4	*24.5*			µg/L	25.00		97.8		80-120			
LCS (B410835-BS1)					Prepared: 08/06/25 Analyzed: 08/08/25							
Benzene	12	0.50	0.21	µg/L	10.00		117		70-130			
Bromobenzene	12	0.50	0.16	µg/L	10.00		118		70-130			
Bromochloromethane	10	0.50	0.17	µg/L	10.00		104		70-130			
Bromodichloromethane	11	0.50	0.14	µg/L	10.00		114		70-130			
Bromoform	9.2	0.50	0.19	µg/L	10.00		92.1		70-130			
Bromomethane	10	0.50	0.24	µg/L	10.00		105		70-130			
n-Butylbenzene	11	0.50	0.19	µg/L	10.00		110		70-130			
sec-Butylbenzene	12	0.50	0.19	µg/L	10.00		116		70-130			
tert-Butylbenzene	11	0.50	0.17	µg/L	10.00		111		70-130			
Carbon Tetrachloride	12	0.50	0.18	µg/L	10.00		123		70-130			
Chlorobenzene	13	0.50	0.14	µg/L	10.00		128		70-130			
Chloroethane	9.0	0.50	0.20	µg/L	10.00		90.4		70-130			
Chloroform	12	0.50	0.18	µg/L	10.00		115		70-130			
Chloromethane	9.7	0.50	0.35	µg/L	10.00		96.7		70-130			
2-Chlorotoluene	12	0.50	0.16	µg/L	10.00		116		70-130			
4-Chlorotoluene	12	0.50	0.19	µg/L	10.00		117		70-130			
Dibromochloromethane	10	0.50	0.12	µg/L	10.00		102		70-130			
Dibromomethane	12	0.50	0.15	µg/L	10.00		125		70-130			
1,2-Dichlorobenzene	12	0.50	0.14	µg/L	10.00		120		70-130			
1,3-Dichlorobenzene	12	0.50	0.16	µg/L	10.00		118		70-130			
1,4-Dichlorobenzene	12	0.50	0.18	µg/L	10.00		120		70-130			
Dichlorodifluoromethane (Freon 12)	14	0.50	0.18	µg/L	10.00		**136**	*	70-130			L-01
1,1-Dichloroethane	11	0.50	0.17	µg/L	10.00		115		70-130			
1,2-Dichloroethane	12	0.50	0.18	µg/L	10.00		118		70-130			
1,1-Dichloroethylene	11	0.50	0.12	µg/L	10.00		108		70-130			
cis-1,2-Dichloroethylene	11	0.50	0.16	µg/L	10.00		114		70-130			
trans-1,2-Dichloroethylene	11	0.50	0.21	µg/L	10.00		114		70-130			
1,2-Dichloropropane	12	0.50	0.20	µg/L	10.00		117		70-130			
1,3-Dichloropropane	13	0.50	0.12	µg/L	10.00		127		70-130			
2,2-Dichloropropane	12	0.50	0.18	µg/L	10.00		116		70-130			
1,1-Dichloropropene	14	0.50	0.17	µg/L	10.00		**136**	*	70-130			L-01
cis-1,3-Dichloropropene	11	0.50	0.12	µg/L	10.00		114		70-130			
trans-1,3-Dichloropropene	11	0.50	0.14	µg/L	10.00		106		70-130			
Ethylbenzene	12	0.50	0.20	µg/L	10.00		120		70-130			
Hexachlorobutadiene	12	0.50	0.29	µg/L	10.00		116		70-130			
Isopropylbenzene (Cumene)	12	0.50	0.19	µg/L	10.00		123		70-130			
p-Isopropyltoluene (p-Cymene)	10	0.50	0.18	µg/L	10.00		102		70-130			

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QUALITY CONTROL

Drinking Water Organics EPA 500 Series Methods - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B410835 - EPA 524.2												
LCS (B410835-BS1)					Prepared: 08/06/25 Analyzed: 08/08/25							
Methyl tert-Butyl Ether (MTBE)	11	0.50	0.11	µg/L	10.00		110		70-130			
Methylene Chloride	11	0.50	0.21	µg/L	10.00		107		70-130			
Naphthalene	8.6	1.0	0.27	µg/L	10.00		85.5		70-130			
n-Propylbenzene	12	0.50	0.17	µg/L	10.00		116		70-130			
Styrene	12	0.50	0.19	µg/L	10.00		117		70-130			
1,1,1,2-Tetrachloroethane	11	0.50	0.13	µg/L	10.00		114		70-130			
1,1,2,2-Tetrachloroethane	12	0.50	0.14	µg/L	10.00		119		70-130			
Tetrachloroethylene	13	0.50	0.25	µg/L	10.00		130		70-130			
Toluene	11	0.50	0.20	µg/L	10.00		110		70-130			
1,2,3-Trichlorobenzene	8.9	0.50	0.23	µg/L	10.00		89.3		70-130			
1,2,4-Trichlorobenzene	9.8	0.50	0.30	µg/L	10.00		98.5		70-130			
1,3,5-Trichlorobenzene	11	0.50	0.23	µg/L	10.00		106		70-130			
1,1,1-Trichloroethane	12	0.50	0.13	µg/L	10.00		119		70-130			
1,1,2-Trichloroethane	11	0.50	0.13	µg/L	10.00		112		70-130			
Trichloroethylene	12	0.50	0.18	µg/L	10.00		123		70-130			
Trichlorofluoromethane (Freon 11)	13	0.50	0.16	µg/L	10.00		**131**	*	70-130			L-01
1,2,3-Trichloropropane	13	0.50	0.13	µg/L	10.00		126		70-130			
1,2,4-Trimethylbenzene	12	0.50	0.21	µg/L	10.00		115		70-130			
1,3,5-Trimethylbenzene	11	0.50	0.18	µg/L	10.00		112		70-130			
Vinyl Chloride	12	0.50	0.29	µg/L	10.00		119		70-130			
m&p-Xylene	23	1.0	0.40	µg/L	20.00		114		70-130			
o-Xylene	12	0.50	0.21	µg/L	10.00		124		70-130			
Surrogate: 4-Bromofluorobenzene	*27.3*			µg/L	25.00		109		80-120			
Surrogate: 1,2-Dichlorobenzene-d4	*26.4*			µg/L	25.00		106		80-120			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-01	Laboratory fortified blank/laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
L-07A	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
V-35	Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

Pace Analytical Services, LLC - East Longmeadow, Ma

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA 524.2 in Drinking Water	
tert-Amyl Methyl Ether (TAME)	CT,NH,NJ,PA
Benzene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
Bromobenzene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
Bromochloromethane	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
Bromodichloromethane	MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
Bromoform	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
Bromomethane	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
2-Butanone (MEK)	NH,ME,NJ,PA
tert-Butyl Alcohol (TBA)	CT,NH
n-Butylbenzene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
sec-Butylbenzene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
tert-Butylbenzene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
tert-Butyl Ethyl Ether (TBEE)	NH,NJ,PA
Carbon Disulfide	CT,NH,ME,NJ,PA
Carbon Tetrachloride	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
Chlorobenzene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
Chloroethane	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
Chloroform	MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
Chloromethane	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
2-Chlorotoluene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
4-Chlorotoluene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
Dibromochloromethane	MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
1,2-Dibromo-3-chloropropane (DBCP)	CT,NH,ME,NJ,PA
1,2-Dibromoethane (EDB)	CT,NH,ME,NJ,PA
Dibromomethane	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
1,2-Dichlorobenzene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
1,3-Dichlorobenzene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
1,4-Dichlorobenzene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
Dichlorodifluoromethane (Freon 12)	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
1,1-Dichloroethane	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
1,2-Dichloroethane	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
1,1-Dichloroethylene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
cis-1,2-Dichloroethylene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
trans-1,2-Dichloroethylene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
1,2-Dichloropropane	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
1,3-Dichloropropane	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
2,2-Dichloropropane	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
1,1-Dichloropropene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
cis-1,3-Dichloropropene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
trans-1,3-Dichloropropene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
1,3-Dichloropropene (total)	CT,MA
Diethyl Ether	CT,NH,NJ,PA
Diisopropyl Ether (DIPE)	NH,NJ,PA
Ethylbenzene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
Hexachlorobutadiene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
2-Hexanone (MBK)	NH,ME,NJ,PA
Isopropylbenzene (Cumene)	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA

Pace Analytical Services, LLC - East Longmeadow, Ma

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA 524.2 in Drinking Water	
p-Isopropyltoluene (p-Cymene)	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
Methyl tert-Butyl Ether (MTBE)	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
Methylene Chloride	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
Naphthalene	NY,ME,NJ,PA
n-Propylbenzene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
Styrene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
1,1,1,2-Tetrachloroethane	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
1,1,2,2-Tetrachloroethane	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
Tetrachloroethylene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
Tetrahydrofuran	NJ,PA
Toluene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
1,2,3-Trichlorobenzene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
1,2,4-Trichlorobenzene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
1,3,5-Trichlorobenzene	ME,NJ,PA
1,1,1-Trichloroethane	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
1,1,2-Trichloroethane	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
Trichloroethylene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
Trichlorofluoromethane (Freon 11)	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
1,2,3-Trichloropropane	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
1,2,4-Trimethylbenzene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
1,3,5-Trimethylbenzene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
Vinyl Chloride	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
m&p-Xylene	CT,NH,ME,VA,NJ,PA
o-Xylene	CT,NH,ME,VA,NJ,PA
Xylenes (total)	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
SW-846 8260D in Water	
Acetone	CT,ME,NH,VA,NY,NC,NJ
Acrylonitrile	CT,ME,NH,VA,NY,NC,NJ
tert-Amyl Methyl Ether (TAME)	ME,NH,VA,NY,NC,NJ
Benzene	CT,ME,NH,VA,NY,NC,NJ
Bromobenzene	ME,NY,NC,NJ
Bromochloromethane	ME,NH,VA,NY,NC,NJ
Bromodichloromethane	CT,ME,NH,VA,NY,NC,NJ
Bromoform	CT,ME,NH,VA,NY,NC,NJ
Bromomethane	CT,ME,NH,VA,NY,NC,NJ
2-Butanone (MEK)	CT,ME,NH,VA,NY,NC,NJ
tert-Butyl Alcohol (TBA)	ME,NH,VA,NY,NC,NJ
n-Butylbenzene	ME,VA,NY,NC,NJ
sec-Butylbenzene	ME,VA,NY,NC,NJ
tert-Butylbenzene	ME,VA,NY,NC,NJ
tert-Butyl Ethyl Ether (TBEE)	ME,NH,VA,NY,NC,NJ
Carbon Disulfide	CT,ME,NH,VA,NY,NC,NJ
Carbon Tetrachloride	CT,ME,NH,VA,NY,NC,NJ
Chlorobenzene	CT,ME,NH,VA,NY,NC,NJ
Chlorodibromomethane	CT,ME,NH,VA,NY,NC,NJ
Chloroethane	CT,ME,NH,VA,NY,NC,NJ

Pace Analytical Services, LLC - East Longmeadow, Ma

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
Chloroform	CT,ME,NH,VA,NY,NC,NJ
Chloromethane	CT,ME,NH,VA,NY,NC,NJ
2-Chlorotoluene	ME,NH,VA,NY,NC,NJ
4-Chlorotoluene	ME,NH,VA,NY,NC,NJ
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY,NC,NJ
1,2-Dibromoethane (EDB)	ME,NY,NC,NJ
Dibromomethane	ME,NH,VA,NY,NC,NJ
1,2-Dichlorobenzene	CT,ME,NH,VA,NY,NC,NJ
1,3-Dichlorobenzene	CT,ME,NH,VA,NY,NC,NJ
1,4-Dichlorobenzene	CT,ME,NH,VA,NY,NC,NJ
trans-1,4-Dichloro-2-butene	ME,NH,VA,NY,NC,NJ
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY,NC,NJ
1,1-Dichloroethane	CT,ME,NH,VA,NY,NC,NJ
1,2-Dichloroethane	CT,ME,NH,VA,NY,NC,NJ
1,1-Dichloroethylene	CT,ME,NH,VA,NY,NC,NJ
cis-1,2-Dichloroethylene	ME,NY,NC,NJ
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY,NC,NJ
1,2-Dichloropropane	CT,ME,NH,VA,NY,NC,NJ
1,3-Dichloropropane	ME,VA,NY,NC,NJ
2,2-Dichloropropane	ME,NH,VA,NY,NC,NJ
1,1-Dichloropropene	ME,NH,VA,NY,NC,NJ
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY,NC,NJ
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY,NC,NJ
Diethyl Ether	ME,NY,NC,NJ
Diisopropyl Ether (DIPE)	ME,NH,VA,NY,NC,NJ
1,4-Dioxane	ME,NH,NY,NC,NJ
Ethylbenzene	CT,ME,NH,VA,NY,NC,NJ
Hexachlorobutadiene	CT,ME,NH,VA,NY,NC,NJ
2-Hexanone (MBK)	CT,ME,NH,VA,NY,NC,NJ
Isopropylbenzene (Cumene)	ME,VA,NY,NC,NJ
p-Isopropyltoluene (p-Cymene)	CT,ME,NH,VA,NY,NC,NJ
Methyl Acetate	ME,NY,NC,NJ
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY,NC,NJ
Methyl Cyclohexane	NY,NC,NJ
Methylene Chloride	CT,ME,NH,VA,NY,NC,NJ
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY,NC,NJ
Naphthalene	ME,NH,VA,NY,NC,NJ
n-Propylbenzene	CT,ME,NH,VA,NY,NC,NJ
Styrene	CT,ME,NH,VA,NY,NC,NJ
1,1,1,2-Tetrachloroethane	CT,ME,NH,VA,NY,NC,NJ
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY,NC,NJ
Tetrachloroethylene	CT,ME,NH,VA,NY,NC,NJ
Tetrahydrofuran	NC
Toluene	CT,ME,NH,VA,NY,NC,NJ
1,2,3-Trichlorobenzene	ME,NH,VA,NY,NC,NJ
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY,NC,NJ
1,3,5-Trichlorobenzene	ME,NC

Pace Analytical Services, LLC - East Longmeadow, Ma

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
1,1,1-Trichloroethane	CT,ME,NH,VA,NY,NC,NJ
1,1,2-Trichloroethane	CT,ME,NH,VA,NY,NC,NJ
Trichloroethylene	CT,ME,NH,VA,NY,NC,NJ
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY,NC,NJ
1,2,3-Trichloropropane	ME,NH,VA,NY,NC,NJ
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY,NC,NJ
1,2,4-Trimethylbenzene	ME,VA,NY,NC,NJ
1,3,5-Trimethylbenzene	ME,VA,NY,NC,NJ
Vinyl Chloride	CT,ME,NH,VA,NY,NC,NJ
m+p Xylene	CT,ME,NH,VA,NY,NC,NJ
o-Xylene	CT,ME,NH,VA,NY,NC,NJ
Xylenes (total)	ME,NY,NC,NJ
SW-846 8270E in Water	
Acenaphthene	CT,NY,NC,ME,NH,VA
Acenaphthylene	CT,NY,NC,ME,NH,VA
Acetophenone	NY,NC
Aniline	CT,NY,NC,ME,VA
Anthracene	CT,NY,NC,ME,NH,VA
Benzidine	CT,NY,NC,ME,NH,VA
Benzo(a)anthracene	CT,NY,NC,ME,NH,VA
Benzo(a)pyrene	CT,NY,NC,ME,NH,VA
Benzo(b)fluoranthene	CT,NY,NC,ME,NH,VA
Benzo(g,h,i)perylene	CT,NY,NC,ME,NH,VA
Benzo(k)fluoranthene	CT,NY,NC,ME,NH,VA
Benzoic Acid	NY,NC,ME,NH,VA
Bis(2-chloroethoxy)methane	CT,NY,NC,ME,NH,VA
Bis(2-chloroethyl)ether	CT,NY,NC,ME,NH,VA
2,2'-oxybis(1-Chloropropane)	CT,NY,NC,ME,NH,VA
Bis(2-Ethylhexyl)phthalate	CT,NY,NC,ME,NH,VA
4-Bromophenylphenylether	CT,NY,NC,ME,NH,VA
Butylbenzylphthalate	CT,NY,NC,ME,NH,VA
Carbazole	NC
4-Chloroaniline	CT,NY,NC,ME,NH,VA
4-Chloro-3-methylphenol	CT,NY,NC,ME,NH,VA
2-Chloronaphthalene	CT,NY,NC,ME,NH,VA
2-Chlorophenol	CT,NY,NC,ME,NH,VA
4-Chlorophenylphenylether	CT,NY,NC,ME,NH,VA
Chrysene	CT,NY,NC,ME,NH,VA
Dibenz(a,h)anthracene	CT,NY,NC,ME,NH,VA
Dibenzofuran	CT,NY,NC,ME,NH,VA
Di-n-butylphthalate	CT,NY,NC,ME,NH,VA
1,2-Dichlorobenzene	CT,NY,NC,ME,NH,VA
1,3-Dichlorobenzene	CT,NY,NC,ME,NH,VA
1,4-Dichlorobenzene	CT,NY,NC,ME,NH,VA
3,3-Dichlorobenzidine	CT,NY,NC,ME,NH,VA
2,4-Dichlorophenol	CT,NY,NC,ME,NH,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270E in Water	
Diethylphthalate	CT,NY,NC,ME,NH,VA
2,4-Dimethylphenol	CT,NY,NC,ME,NH,VA
Dimethylphthalate	CT,NY,NC,ME,NH,VA
4,6-Dinitro-2-methylphenol	CT,NY,NC,ME,NH,VA
2,4-Dinitrophenol	CT,NY,NC,ME,NH,VA
2,4-Dinitrotoluene	CT,NY,NC,ME,NH,VA
2,6-Dinitrotoluene	CT,NY,NC,ME,NH,VA
Di-n-octylphthalate	CT,NY,NC,ME,NH,VA
1,4-Dioxane	NY,NH
1,2-Diphenylhydrazine/Azobenzene	NY,NC
Fluoranthene	CT,NY,NC,ME,NH,VA
Fluorene	NY,NC,ME,NH,VA
Hexachlorobenzene	CT,NY,NC,ME,NH,VA
Hexachlorobutadiene	CT,NY,NC,ME,NH,VA
Hexachlorocyclopentadiene	CT,NY,NC,ME,NH,VA
Hexachloroethane	CT,NY,NC,ME,NH,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NC,ME,NH,VA
Isophorone	CT,NY,NC,ME,NH,VA
1-Methylnaphthalene	NC
2-Methylnaphthalene	CT,NY,NC,ME,NH,VA
2-Methylphenol	CT,NY,NC,NH,VA
3/4-Methylphenol	CT,NY,NC,NH,VA
Naphthalene	CT,NY,NC,ME,NH,VA
2-Nitroaniline	CT,NY,NC,ME,NH,VA
3-Nitroaniline	CT,NY,NC,ME,NH,VA
4-Nitroaniline	CT,NY,NC,ME,NH,VA
Nitrobenzene	CT,NY,NC,ME,NH,VA
2-Nitrophenol	CT,NY,NC,ME,NH,VA
4-Nitrophenol	CT,NY,NC,ME,NH,VA
N-Nitrosodimethylamine	CT,NY,NC,ME,NH,VA
N-Nitrosodiphenylamine/Diphenylamine	NY
N-Nitrosodi-n-propylamine	CT,NY,NC,ME,NH,VA
Pentachloronitrobenzene	NC
Pentachlorophenol	CT,NY,NC,ME,NH,VA
Phenanthrene	CT,NY,NC,ME,NH,VA
Phenol	CT,NY,NC,ME,NH,VA
Pyrene	CT,NY,NC,ME,NH,VA
Pyridine	CT,NY,NC,ME,NH,VA
1,2,4,5-Tetrachlorobenzene	NY,NC
1,2,4-Trichlorobenzene	CT,NY,NC,ME,NH,VA
2,4,5-Trichlorophenol	CT,NY,NC,ME,NH,VA
2,4,6-Trichlorophenol	CT,NY,NC,ME,NH,VA
2-Fluorophenol	NC

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Pace Analytical Services, LLC - East Longmeadow, Ma, operates under the following certifications and accreditations:

Code	Description	Number	Expires
MA	Massachusetts DEP	M-MA100	06/30/2026
CT	Connecticut Department of Public Health	PH-0821	12/31/2026
NY	New York State Department of Health	10899 NELAP	04/1/2026
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2026
RI	Rhode Island Department of Health	LAO00373	12/30/2025
NC	North Carolina Div. of Water Quality	652	12/31/2025
NJ	New Jersey DEP	MA007 NELAP	06/30/2026
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2026
ME	State of Maine	MA00100	06/9/2027
VA	Commonwealth of Virginia	460217	12/14/2025
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2026

25H0214 RF

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Access COC's and Support Requests

http://www.pacelabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 5_07/13/2021

Company Name:	Atlas
Address:	51 Knight Ln
Phone:	802-862-1480
Project Name:	Morrissey
Project Location:	Starksboro, VT
Project Number:	280EM01204
Project Manager:	johanna.palmer@oneatlas.com
Pace Quote Name/Number:	
Invoice Recipient:	
Sampled By:	Amelia Kennedy

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

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

Data Delivery	
Format:	PDF ☒ EXCEL ☒
Other:	
CLP Like Data Pkg Required:	☐
Email To:	
Fax To #:	

Dissolved Metals Samples	
○	Field Filtered
○	Lab to Filter

Orthophosphate Samples	
○	Field Filtered
○	Lab to Filter

PCB ONLY

SOXHLET ☐

NON SOXHLET ☐

ANALYSIS REQUESTED

Pace Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	H	H	I										
												524.2	8260	8270										
1	Poet-Influent	8/4/25	915	G	DW	U	3					X												
2	TB	8/4/25	700	G	GW	U	2						X											
3	DUP	8/4/25	0001	G	GW	U	3						X											
4	MW-4	8/4/25	1515	1	1	1	3	2					X	X										
5	MW-5	8/4/25	1300	1	1	1	3	2					X	X										
6	MW-7	8/4/25	1530	1	1	1	3	2					X	X										
7	MW-8	8/4/25	1500	1	1	1	3	2					X	X										

[2] Preservation Code

Courier Use Only

Total Number Of:

VIALS_____
GLASS_____
PLASTIC_____
BACTERIA_____
ENCORE_____

Glassware in the fridge? Y / N

Glassware in freezer? Y / N

Prepackaged Cooler? Y / N

*Pace Analytical is not responsible for missing samples from prepacked coolers

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

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Relinquished by: (signature)	AK	Date/Time: 8/4/25 1700
Received by: (signature)		Date/Time:
Relinquished by: (signature)		Date/Time: 8/5/25 1442
Received by: (signature)		Date/Time: 8/5 14:42
Relinquished by: (signature)		Date/Time: 8/5/1855
Received by: (signature)		Date/Time: 8/5/25
Relinquished by: (signature)		Date/Time: 1855
Received by: (signature)		Date/Time:

Client Comments:

Detection Limit Requirements

MA
CT
Other:

Special Requirements

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

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

NELAC and AIHA-LAP, LLC Accredited

Project Entity

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

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

Comments:

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

Exhibit S

Table of Contents

Exhibit S

Pace	DC#_Title: ENV-FRM-ELON-0001 v08_Sample Receiving Checklist
	Effective Date: 06/11/2024

Log In Back-Sheet

Client Atlas (VT)

Project Morrissey Residence

MCP/RCP Required no

Deliverable Package Requirement none

Location Starksboro, VT

PWSID# (When Applicable) n/a

Arrival Method:

Courier ☑ Fed Ex ☐ Walk In ☐ Other ☐

Received By / Date / Time MCM 8/5/25 1855

Back-Sheet By / Date / Time MCM 8/5/25 1916

Temperature Method Gun # 6

WV samples: Yes (see note*) / No (follow normal procedure)

Temp < 6° C Actual Temperature 4.0

Rush Samples: Yes / No Notify No

Short Hold: Yes / No Notify No

Notes regarding Samples/COC outside of SOP:

Login Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy) Any False statement will be brought to the attention of the Client – True or False

	True	False
Received on Ice	☑	☐
Received in Cooler	☑	☐
Custody Seal: DATE TIME	☐	☑
COC Relinquished	☑	☐
COC/Samples Labels Agree	☑	☐
All Samples in Good Condition	☑	☐
Samples Received within Holding Time	☑	☐
Is there enough Volume	☑	☐
Proper Media/Container Used	☑	☐
Splitting Samples Required	☐	☑
MS/MSD	☐	☑
Trip Blanks	☑	☐
Lab to Filters	☐	☑
COC Legible	☑	☐

COC Included: (Check all included)

Client ☑ Analysis ☑ Sampler Name ☑

Project ☑ IDs ☑ Collection Date/Time ☑

All Samples Proper pH: (N/A) ☐ ☐

Additional Container Notes

Note: West Virginia requires all samples to have their temperature taken. Note any outliers.

Qualtrax ID: 120836

Exhibit S

Quantrax ID: 120836

Sample	Soils Jars (Circle Amb/Clear)				Ambers						Plastics												VOA Vials				Other / Fill In			
					1 Liter				250mL	100mL	1 Liter		500mL		250mL															
	16oz Amb/Clear	8oz Amb/Clear	4oz Amb/Clear	2oz Amb/Clear	Unpreserved	HCL	Sulfuric	Sulfuric	Phosphoric	HCl	Unpreserved	Unpreserved	Sulfuric	Unpreserved	Sulfuric	Trizma	Nitric	NaOH	Ammonium Acetate	NaOH/Zinc	Unpreserved	HCl	MeOH	D.I. Water	Bisulfate	Col/Bact				
1																						3								
2																						2								
3																						3								
4											2											→								
5											→																			
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18																														
19																														
20																														

Pace	DC#_Title: ENV-FRM-ELON-0001 v08_Sample Receiving Checklist
	Effective Date: 06/11/2024

Exhibit S

Pace Analytical Services, LLC - East Longmeadow, Ma

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

October 10, 2025

Jo Palmer
Atlas Technical Consultants - Vermont
51 Knight Lane, PO Box 1486
Williston, VT 05495

Project Location: Starksboro, VT
Client Job Number:
Project Number: 280EM01394
Laboratory Work Order Number: 25J0248

Enclosed are results of analyses for samples as received by the laboratory on October 3, 2025. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Rebecca Faust
Project Manager

Exhibit S

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Pace Analytical Services, LLC - East Longmeadow, Ma

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

Atlas Technical Consultants - Vermont
51 Knight Lane, PO Box 1486
Williston, VT 05495
ATTN: Jo Palmer

REPORT DATE: 10/10/2025

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 280EM01394

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 25J0248

The results of analyses performed on the following samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, are found in this report.

PROJECT LOCATION: Starksboro, VT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
DW-EFF	25J0248-01	Drinking Water		EPA 524.2	
DW-MID	25J0248-02	Drinking Water		EPA 524.2	
DW-INF	25J0248-03	Drinking Water		EPA 524.2	
TB	25J0248-04	Trip Blank Water		SW-846 8260D	
DUP	25J0248-05	Ground Water		SW-846 8260D	
Supply Well	25J0248-06	Ground Water		SW-846 8260D	
MW-4	25J0248-07	Ground Water		SW-846 8260D	
MW-5	25J0248-08	Ground Water		SW-846 8260D	
MW-7	25J0248-09	Ground Water		SW-846 8260D	
MW-8	25J0248-10	Ground Water		SW-846 8260D	

Exhibit S

Pace Analytical Services, LLC - East Longmeadow, Ma

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

CASE NARRATIVE SUMMARY

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

First three samples are to be analyzed for 524.2 and the remainder for 8260 standard.

EPA 524.2

Qualifications:

L-01

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

Analyte & Samples(s) Qualified:

Trichlorofluoromethane (Freon 11)
B414792-BS1, B414978-BS1

SW-846 8260D

Qualifications:

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

25J0248-08[MW-5]

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

1,2-Dibromo-3-chloropropane (DB
25J0248-04[TB], 25J0248-05[DUP], 25J0248-06[Supply Well], 25J0248-07[MW-4], 25J0248-08[MW-5], 25J0248-09[MW-7], 25J0248-10[MW-8], B414733-BLK1, B414733-BS1, B414733-BSD1, S126970-CCV1

2,2-Dichloropropane
25J0248-04[TB], 25J0248-05[DUP], 25J0248-06[Supply Well], 25J0248-07[MW-4], 25J0248-08[MW-5], 25J0248-09[MW-7], 25J0248-10[MW-8], B414733-BLK1, B414733-BS1, B414733-BSD1, S126970-CCV1

Bromomethane
25J0248-04[TB], 25J0248-05[DUP], 25J0248-06[Supply Well], 25J0248-07[MW-4], 25J0248-08[MW-5], 25J0248-09[MW-7], 25J0248-10[MW-8], B414733-BLK1, B414733-BS1, B414733-BSD1, S126970-CCV1

trans-1,4-Dichloro-2-butene
25J0248-04[TB], 25J0248-05[DUP], 25J0248-06[Supply Well], 25J0248-07[MW-4], 25J0248-08[MW-5], 25J0248-09[MW-7], 25J0248-10[MW-8], B414733-BLK1, B414733-BS1, B414733-BSD1, S126970-CCV1

The results of analyses reported only relate to samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Starksboro, VT | Sample Description: | Work Order: 25J0248

Date Received: 10/3/2025

Field Sample #: DW-EFF | Sampled: 10/2/2025 09:35

Sample ID: 25J0248-01

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.21	5	µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
Bromobenzene	ND	0.50	0.16		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
Bromochloromethane	ND	0.50	0.17		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
Bromodichloromethane	ND	0.50	0.14		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
Bromoform	ND	0.50	0.19		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
Bromomethane	ND	0.50	0.24		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
n-Butylbenzene	ND	0.50	0.19		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
sec-Butylbenzene	ND	0.50	0.19		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
tert-Butylbenzene	ND	0.50	0.17		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
Carbon Tetrachloride	ND	0.50	0.18	5	µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
Chlorobenzene	ND	0.50	0.14	100	µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
Chloroethane	ND	0.50	0.20		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
Chloroform	ND	0.50	0.18		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
Chloromethane	ND	0.50	0.35		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
2-Chlorotoluene	ND	0.50	0.16		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
4-Chlorotoluene	ND	0.50	0.19		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
Dibromochloromethane	ND	0.50	0.12		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
Dibromomethane	ND	0.50	0.15		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
1,2-Dichlorobenzene	ND	0.50	0.14	600	µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
1,3-Dichlorobenzene	ND	0.50	0.16		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
1,4-Dichlorobenzene	ND	0.50	0.18	75	µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.18		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
1,1-Dichloroethane	ND	0.50	0.17		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
1,2-Dichloroethane	ND	0.50	0.18	5	µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
1,1-Dichloroethylene	ND	0.50	0.12	7	µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
cis-1,2-Dichloroethylene	ND	0.50	0.16	70	µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
trans-1,2-Dichloroethylene	ND	0.50	0.21	100	µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
1,2-Dichloropropane	ND	0.50	0.20	5	µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
1,3-Dichloropropane	ND	0.50	0.12		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
2,2-Dichloropropane	ND	0.50	0.18		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
1,1-Dichloropropene	ND	0.50	0.17		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
cis-1,3-Dichloropropene	ND	0.50	0.12		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
1,3-Dichloropropene (total)	ND	1.0	0.25		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
Ethylbenzene	ND	0.50	0.20	700	µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
Hexachlorobutadiene	ND	0.50	0.29		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
Isopropylbenzene (Cumene)	ND	0.50	0.19		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	0.18		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.11		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
Methylene Chloride	ND	0.50	0.21	5	µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
Naphthalene	ND	1.0	0.27		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
n-Propylbenzene	ND	0.50	0.17		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
Styrene	ND	0.50	0.19	100	µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	0.13		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Starksboro, VT | Sample Description: | Work Order: 25J0248

Date Received: 10/3/2025

Field Sample #: DW-EFF | Sampled: 10/2/2025 09:35

Sample ID: 25J0248-01

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.14		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
Tetrachloroethylene	ND	0.50	0.25	5	µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
Toluene	ND	0.50	0.20	1000	µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
1,2,3-Trichlorobenzene	ND	0.50	0.23		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
1,2,4-Trichlorobenzene	ND	0.50	0.30	70	µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
1,3,5-Trichlorobenzene	ND	0.50	0.23		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
1,1,1-Trichloroethane	ND	0.50	0.13	200	µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
1,1,2-Trichloroethane	ND	0.50	0.13	5	µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
Trichloroethylene	ND	0.50	0.18	5	µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50	0.16		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
1,2,3-Trichloropropane	ND	0.50	0.13		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
1,2,4-Trimethylbenzene	ND	0.50	0.21		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
1,3,5-Trimethylbenzene	ND	0.50	0.18		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
Vinyl Chloride	ND	0.50	0.29	2	µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
m&p-Xylene	ND	1.0	0.40		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
o-Xylene	ND	0.50	0.21		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH
Xylenes (total)	ND	1.5	0.61	10000	µg/L	1		EPA 524.2	10/7/25	10/7/25 14:10	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
4-Bromofluorobenzene	95.7	80-120		10/7/25 14:10
1,2-Dichlorobenzene-d4	107	80-120		10/7/25 14:10

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Starksboro, VT | Sample Description: | Work Order: 25J0248

Date Received: 10/3/2025

Field Sample #: DW-MID | Sampled: 10/2/2025 09:40

Sample ID: 25J0248-02

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.50	0.21	5	µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
Bromobenzene	ND	0.50	0.16		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
Bromochloromethane	ND	0.50	0.17		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
Bromodichloromethane	ND	0.50	0.14		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
Bromoform	ND	0.50	0.19		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
Bromomethane	ND	0.50	0.24		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
n-Butylbenzene	ND	0.50	0.19		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
sec-Butylbenzene	ND	0.50	0.19		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
tert-Butylbenzene	ND	0.50	0.17		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
Carbon Tetrachloride	ND	0.50	0.18	5	µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
Chlorobenzene	ND	0.50	0.14	100	µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
Chloroethane	ND	0.50	0.20		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
Chloroform	ND	0.50	0.18		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
Chloromethane	ND	0.50	0.35		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
2-Chlorotoluene	ND	0.50	0.16		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
4-Chlorotoluene	ND	0.50	0.19		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
Dibromochloromethane	ND	0.50	0.12		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
Dibromomethane	ND	0.50	0.15		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
1,2-Dichlorobenzene	ND	0.50	0.14	600	µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
1,3-Dichlorobenzene	ND	0.50	0.16		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
1,4-Dichlorobenzene	ND	0.50	0.18	75	µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.18		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
1,1-Dichloroethane	ND	0.50	0.17		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
1,2-Dichloroethane	ND	0.50	0.18	5	µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
1,1-Dichloroethylene	ND	0.50	0.12	7	µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
cis-1,2-Dichloroethylene	ND	0.50	0.16	70	µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
trans-1,2-Dichloroethylene	ND	0.50	0.21	100	µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
1,2-Dichloropropane	ND	0.50	0.20	5	µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
1,3-Dichloropropane	ND	0.50	0.12		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
2,2-Dichloropropane	ND	0.50	0.18		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
1,1-Dichloropropene	ND	0.50	0.17		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
cis-1,3-Dichloropropene	ND	0.50	0.12		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
1,3-Dichloropropene (total)	ND	1.0	0.25		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
Ethylbenzene	ND	0.50	0.20	700	µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
Hexachlorobutadiene	ND	0.50	0.29		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
Isopropylbenzene (Cumene)	ND	0.50	0.19		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	0.18		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.11		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
Methylene Chloride	ND	0.50	0.21	5	µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
Naphthalene	ND	1.0	0.27		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
n-Propylbenzene	ND	0.50	0.17		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
Styrene	ND	0.50	0.19	100	µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	0.13		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Starksboro, VT | Sample Description: | Work Order: 25J0248

Date Received: 10/3/2025

Field Sample #: DW-MID | Sampled: 10/2/2025 09:40

Sample ID: 25J0248-02

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.14		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
Tetrachloroethylene	ND	0.50	0.25	5	µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
Toluene	ND	0.50	0.20	1000	µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
1,2,3-Trichlorobenzene	ND	0.50	0.23		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
1,2,4-Trichlorobenzene	ND	0.50	0.30	70	µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
1,3,5-Trichlorobenzene	ND	0.50	0.23		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
1,1,1-Trichloroethane	ND	0.50	0.13	200	µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
1,1,2-Trichloroethane	ND	0.50	0.13	5	µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
Trichloroethylene	ND	0.50	0.18	5	µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50	0.16		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
1,2,3-Trichloropropane	ND	0.50	0.13		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
1,2,4-Trimethylbenzene	ND	0.50	0.21		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
1,3,5-Trimethylbenzene	ND	0.50	0.18		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
Vinyl Chloride	ND	0.50	0.29	2	µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
m&p-Xylene	ND	1.0	0.40		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
o-Xylene	ND	0.50	0.21		µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH
Xylenes (total)	ND	1.5	0.61	10000	µg/L	1		EPA 524.2	10/7/25	10/7/25 14:36	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
4-Bromofluorobenzene	97.2	80-120		10/7/25 14:36
1,2-Dichlorobenzene-d4	111	80-120		10/7/25 14:36

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Starksboro, VT | Sample Description: | Work Order: 25J0248

Date Received: 10/3/2025

Field Sample #: DW-INF | Sampled: 10/2/2025 09:45

Sample ID: 25J0248-03

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	280	12	5.3	5	µg/L	25		EPA 524.2	10/8/25	10/10/25 3:36	EEH
Bromobenzene	ND	0.50	0.16		µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
Bromochloromethane	ND	0.50	0.17		µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
Bromodichloromethane	0.26	0.50	0.14		µg/L	1	J	EPA 524.2	10/7/25	10/7/25 18:24	EEH
Bromoform	ND	0.50	0.19		µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
Bromomethane	ND	0.50	0.24		µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
n-Butylbenzene	ND	0.50	0.19		µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
sec-Butylbenzene	0.30	0.50	0.19		µg/L	1	J	EPA 524.2	10/7/25	10/7/25 18:24	EEH
tert-Butylbenzene	ND	0.50	0.17		µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
Carbon Tetrachloride	ND	0.50	0.18	5	µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
Chlorobenzene	ND	0.50	0.14	100	µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
Chloroethane	ND	0.50	0.20		µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
Chloroform	2.3	0.50	0.18		µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
Chloromethane	ND	0.50	0.35		µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
2-Chlorotoluene	ND	0.50	0.16		µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
4-Chlorotoluene	ND	0.50	0.19		µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
Dibromochloromethane	ND	0.50	0.12		µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
Dibromomethane	ND	0.50	0.15		µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
1,2-Dichlorobenzene	ND	0.50	0.14	600	µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
1,3-Dichlorobenzene	ND	0.50	0.16		µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
1,4-Dichlorobenzene	ND	0.50	0.18	75	µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.18		µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
1,1-Dichloroethane	ND	0.50	0.17		µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
1,2-Dichloroethane	ND	0.50	0.18	5	µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
1,1-Dichloroethylene	ND	0.50	0.12	7	µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
cis-1,2-Dichloroethylene	ND	0.50	0.16	70	µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
trans-1,2-Dichloroethylene	ND	0.50	0.21	100	µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
1,2-Dichloropropane	ND	0.50	0.20	5	µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
1,3-Dichloropropane	ND	0.50	0.12		µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
2,2-Dichloropropane	ND	0.50	0.18		µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
1,1-Dichloropropene	ND	0.50	0.17		µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
cis-1,3-Dichloropropene	ND	0.50	0.12		µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14		µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
1,3-Dichloropropene (total)	ND	1.0	0.25		µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
Ethylbenzene	1.2	0.50	0.20	700	µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
Hexachlorobutadiene	ND	0.50	0.29		µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
Isopropylbenzene (Cumene)	3.0	0.50	0.19		µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	0.18		µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
Methyl tert-Butyl Ether (MTBE)	2.3	0.50	0.11		µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
Methylene Chloride	ND	0.50	0.21	5	µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
Naphthalene	1.6	1.0	0.27		µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
n-Propylbenzene	1.2	0.50	0.17		µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
Styrene	ND	0.50	0.19	100	µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	0.13		µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Starksboro, VT | Sample Description: | Work Order: 25J0248

Date Received: 10/3/2025

Field Sample #: DW-INF | Sampled: 10/2/2025 09:45

Sample ID: 25J0248-03

Sample Matrix: Drinking Water

Drinking Water Organics EPA 500 Series Methods

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.14		µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
Tetrachloroethylene	4.5	0.50	0.25	5	µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
Toluene	39	0.50	0.20	1000	µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
1,2,3-Trichlorobenzene	ND	0.50	0.23		µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
1,2,4-Trichlorobenzene	ND	0.50	0.30	70	µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
1,3,5-Trichlorobenzene	ND	0.50	0.23		µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
1,1,1-Trichloroethane	ND	0.50	0.13	200	µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
1,1,2-Trichloroethane	ND	0.50	0.13	5	µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
Trichloroethylene	ND	0.50	0.18	5	µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
Trichlorofluoromethane (Freon 11)	ND	0.50	0.16		µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
1,2,3-Trichloropropane	ND	0.50	0.13		µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
1,2,4-Trimethylbenzene	5.0	0.50	0.21		µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
1,3,5-Trimethylbenzene	1.9	0.50	0.18		µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
Vinyl Chloride	ND	0.50	0.29	2	µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
m&p-Xylene	14	1.0	0.40		µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH
o-Xylene	190	12	5.1		µg/L	25		EPA 524.2	10/8/25	10/10/25 3:36	EEH
Xylenes (total)	270	1.5	0.61	10000	µg/L	1		EPA 524.2	10/7/25	10/7/25 18:24	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
4-Bromofluorobenzene	92.6	80-120		10/10/25 3:36
4-Bromofluorobenzene	99.6	80-120		10/7/25 18:24
1,2-Dichlorobenzene-d4	103	80-120		10/10/25 3:36
1,2-Dichlorobenzene-d4	110	80-120		10/7/25 18:24

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Starksboro, VT | Sample Description: | Work Order: 25J0248

Date Received: 10/3/2025

Field Sample #: TB | Sampled: 10/2/2025 08:00

Sample ID: 25J0248-04

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	2.2	50	1.9	µg/L	1	J	SW-846 8260D	10/6/25	10/7/25 22:55	MFF
Acrylonitrile	ND	5.0	1.2	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.11	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
Benzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
Bromobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
Bromochloromethane	ND	1.0	0.34	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
Bromoform	ND	1.0	0.32	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
Bromomethane	ND	5.0	0.91	µg/L	1	V-05	SW-846 8260D	10/6/25	10/7/25 22:55	MFF
2-Butanone (MEK)	ND	20	1.5	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
tert-Butyl Alcohol (TBA)	ND	20	3.8	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
n-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
sec-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.12	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
Carbon Tetrachloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
Chlorodibromomethane	ND	0.50	0.12	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
Chloroethane	ND	2.0	0.43	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
Chloroform	3.2	2.0	0.14	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
Chloromethane	ND	2.0	0.39	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
4-Chlorotoluene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.62	µg/L	1	V-05	SW-846 8260D	10/6/25	10/7/25 22:55	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.12	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
Dibromomethane	ND	1.0	0.20	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
1,4-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.4	µg/L	1	V-05	SW-846 8260D	10/6/25	10/7/25 22:55	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.23	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
1,1-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
1,2-Dichloroethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
1,1-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
1,2-Dichloropropane	ND	1.0	0.20	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
2,2-Dichloropropane	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	10/6/25	10/7/25 22:55	MFF
1,1-Dichloropropene	ND	2.0	0.17	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
trans-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
Diethyl Ether	ND	2.0	0.15	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Starksboro, VT | Sample Description: | Work Order: 25J0248

Date Received: 10/3/2025

Field Sample #: TB | Sampled: 10/2/2025 08:00

Sample ID: 25J0248-04

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.21	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
1,4-Dioxane	ND	50	14	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
Ethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
Hexachlorobutadiene	ND	0.60	0.24	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
Methyl Acetate	ND	2.0	0.40	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
Methyl Cyclohexane	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
Methylene Chloride	ND	5.0	0.17	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.2	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
Naphthalene	ND	2.0	0.21	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
Styrene	ND	1.0	0.16	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.11	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
Tetrachloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
Tetrahydrofuran	ND	10	0.48	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.21	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
1,1,2-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
Trichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.16	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
1,2,3-Trichloropropane	ND	2.0	0.23	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
Vinyl Chloride	ND	2.0	0.22	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
m+p Xylene	ND	2.0	0.30	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	10/6/25	10/7/25 22:55	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	94.5	70-130		10/7/25 22:55
Toluene-d8	98.1	70-130		10/7/25 22:55
4-Bromofluorobenzene	105	70-130		10/7/25 22:55

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Starksboro, VT | Sample Description: | Work Order: 25J0248

Date Received: 10/3/2025

Field Sample #: DUP | Sampled: 10/2/2025 00:01

Sample ID: 25J0248-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	5.4	50	1.9	µg/L	1	J	SW-846 8260D	10/6/25	10/7/25 23:21	MFF
Acrylonitrile	ND	5.0	1.2	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.11	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
Benzene	0.70	1.0	0.19	µg/L	1	J	SW-846 8260D	10/6/25	10/7/25 23:21	MFF
Bromobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
Bromochloromethane	ND	1.0	0.34	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
Bromodichloromethane	0.66	0.50	0.14	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
Bromoform	ND	1.0	0.32	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
Bromomethane	ND	5.0	0.91	µg/L	1	V-05	SW-846 8260D	10/6/25	10/7/25 23:21	MFF
2-Butanone (MEK)	ND	20	1.5	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
tert-Butyl Alcohol (TBA)	ND	20	3.8	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
n-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
sec-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.12	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
Carbon Tetrachloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
Chlorodibromomethane	ND	0.50	0.12	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
Chloroethane	ND	2.0	0.43	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
Chloroform	4.7	2.0	0.14	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
Chloromethane	ND	2.0	0.39	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
4-Chlorotoluene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.62	µg/L	1	V-05	SW-846 8260D	10/6/25	10/7/25 23:21	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.12	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
Dibromomethane	ND	1.0	0.20	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
1,4-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.4	µg/L	1	V-05	SW-846 8260D	10/6/25	10/7/25 23:21	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.23	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
1,1-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
1,2-Dichloroethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
1,1-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
1,2-Dichloropropane	ND	1.0	0.20	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
2,2-Dichloropropane	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	10/6/25	10/7/25 23:21	MFF
1,1-Dichloropropene	ND	2.0	0.17	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
trans-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
Diethyl Ether	ND	2.0	0.15	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Starksboro, VT | Sample Description: | Work Order: 25J0248

Date Received: 10/3/2025

Field Sample #: DUP | Sampled: 10/2/2025 00:01

Sample ID: 25J0248-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.21	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
1,4-Dioxane	ND	50	14	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
Ethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
Hexachlorobutadiene	ND	0.60	0.24	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
Methyl Acetate	ND	2.0	0.40	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
Methyl Cyclohexane	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
Methylene Chloride	ND	5.0	0.17	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.2	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
Naphthalene	ND	2.0	0.21	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
Styrene	ND	1.0	0.16	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.11	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
Tetrachloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
Tetrahydrofuran	ND	10	0.48	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.21	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
1,1,2-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
Trichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.16	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
1,2,3-Trichloropropane	ND	2.0	0.23	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
Vinyl Chloride	ND	2.0	0.22	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
m+p Xylene	ND	2.0	0.30	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:21	MFF
o-Xylene	0.40	1.0	0.16	µg/L	1	J	SW-846 8260D	10/6/25	10/7/25 23:21	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.7	70-130		10/7/25 23:21
Toluene-d8	98.2	70-130		10/7/25 23:21
4-Bromofluorobenzene	103	70-130		10/7/25 23:21

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Starksboro, VT | Sample Description: | Work Order: 25J0248

Date Received: 10/3/2025

Field Sample #: Supply Well | Sampled: 10/2/2025 10:15

Sample ID: 25J0248-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	5.5	50	1.9	µg/L	1	J	SW-846 8260D	10/6/25	10/7/25 23:48	MFF
Acrylonitrile	ND	5.0	1.2	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.11	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
Benzene	0.67	1.0	0.19	µg/L	1	J	SW-846 8260D	10/6/25	10/7/25 23:48	MFF
Bromobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
Bromochloromethane	ND	1.0	0.34	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
Bromodichloromethane	0.64	0.50	0.14	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
Bromoform	ND	1.0	0.32	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
Bromomethane	ND	5.0	0.91	µg/L	1	V-05	SW-846 8260D	10/6/25	10/7/25 23:48	MFF
2-Butanone (MEK)	ND	20	1.5	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
tert-Butyl Alcohol (TBA)	ND	20	3.8	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
n-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
sec-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.12	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
Carbon Tetrachloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
Chlorodibromomethane	ND	0.50	0.12	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
Chloroethane	ND	2.0	0.43	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
Chloroform	4.8	2.0	0.14	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
Chloromethane	ND	2.0	0.39	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
4-Chlorotoluene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.62	µg/L	1	V-05	SW-846 8260D	10/6/25	10/7/25 23:48	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.12	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
Dibromomethane	ND	1.0	0.20	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
1,4-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.4	µg/L	1	V-05	SW-846 8260D	10/6/25	10/7/25 23:48	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.23	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
1,1-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
1,2-Dichloroethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
1,1-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
1,2-Dichloropropane	ND	1.0	0.20	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
2,2-Dichloropropane	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	10/6/25	10/7/25 23:48	MFF
1,1-Dichloropropene	ND	2.0	0.17	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
trans-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
Diethyl Ether	ND	2.0	0.15	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Starksboro, VT | Sample Description: | Work Order: 25J0248

Date Received: 10/3/2025

Field Sample #: Supply Well | Sampled: 10/2/2025 10:15

Sample ID: 25J0248-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.21	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
1,4-Dioxane	ND	50	14	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
Ethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
Hexachlorobutadiene	ND	0.60	0.24	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
Methyl Acetate	ND	2.0	0.40	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
Methyl Cyclohexane	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
Methylene Chloride	ND	5.0	0.17	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.2	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
Naphthalene	ND	2.0	0.21	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
Styrene	ND	1.0	0.16	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.11	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
Tetrachloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
Tetrahydrofuran	ND	10	0.48	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.21	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
1,1,2-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
Trichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.16	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
1,2,3-Trichloropropane	ND	2.0	0.23	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
Vinyl Chloride	ND	2.0	0.22	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
m+p Xylene	ND	2.0	0.30	µg/L	1		SW-846 8260D	10/6/25	10/7/25 23:48	MFF
o-Xylene	0.39	1.0	0.16	µg/L	1	J	SW-846 8260D	10/6/25	10/7/25 23:48	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	95.2	70-130		10/7/25 23:48
Toluene-d8	99.6	70-130		10/7/25 23:48
4-Bromofluorobenzene	103	70-130		10/7/25 23:48

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Starksboro, VT | Sample Description: | Work Order: 25J0248

Date Received: 10/3/2025

Field Sample #: MW-4 | Sampled: 10/2/2025 16:10

Sample ID: 25J0248-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	4.3	50	1.9	µg/L	1	J	SW-846 8260D	10/6/25	10/8/25 0:14	MFF
Acrylonitrile	ND	5.0	1.2	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.11	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
Benzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
Bromobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
Bromochloromethane	ND	1.0	0.34	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
Bromoform	ND	1.0	0.32	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
Bromomethane	ND	5.0	0.91	µg/L	1	V-05	SW-846 8260D	10/6/25	10/8/25 0:14	MFF
2-Butanone (MEK)	ND	20	1.5	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
tert-Butyl Alcohol (TBA)	ND	20	3.8	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
n-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
sec-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.12	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
Carbon Disulfide	3.2	5.0	1.6	µg/L	1	J	SW-846 8260D	10/6/25	10/8/25 0:14	MFF
Carbon Tetrachloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
Chlorodibromomethane	ND	0.50	0.12	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
Chloroethane	ND	2.0	0.43	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
Chloromethane	ND	2.0	0.39	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
4-Chlorotoluene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.62	µg/L	1	V-05	SW-846 8260D	10/6/25	10/8/25 0:14	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.12	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
Dibromomethane	ND	1.0	0.20	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
1,4-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.4	µg/L	1	V-05	SW-846 8260D	10/6/25	10/8/25 0:14	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.23	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
1,1-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
1,2-Dichloroethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
1,1-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
1,2-Dichloropropane	ND	1.0	0.20	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
2,2-Dichloropropane	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	10/6/25	10/8/25 0:14	MFF
1,1-Dichloropropene	ND	2.0	0.17	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
trans-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
Diethyl Ether	ND	2.0	0.15	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Starksboro, VT | Sample Description: | Work Order: 25J0248

Date Received: 10/3/2025

Field Sample #: MW-4 | Sampled: 10/2/2025 16:10

Sample ID: 25J0248-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.21	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
1,4-Dioxane	ND	50	14	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
Ethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
Hexachlorobutadiene	ND	0.60	0.24	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
Methyl Acetate	ND	2.0	0.40	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
Methyl Cyclohexane	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
Methylene Chloride	ND	5.0	0.17	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.2	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
Naphthalene	ND	2.0	0.21	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
Styrene	ND	1.0	0.16	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.11	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
Tetrachloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
Tetrahydrofuran	ND	10	0.48	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.21	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
1,1,2-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
Trichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.16	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
1,2,3-Trichloropropane	ND	2.0	0.23	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
Vinyl Chloride	ND	2.0	0.22	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
m+p Xylene	ND	2.0	0.30	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:14	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	95.4	70-130		10/8/25 0:14
Toluene-d8	98.5	70-130		10/8/25 0:14
4-Bromofluorobenzene	103	70-130		10/8/25 0:14

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Starksboro, VT | Sample Description: | Work Order: 25J0248

Date Received: 10/3/2025

Field Sample #: MW-5 | Sampled: 10/2/2025 15:05

Sample ID: 25J0248-08

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	110	500	19	µg/L	10	J	SW-846 8260D	10/6/25	10/8/25 1:32	MFF
Acrylonitrile	ND	50	12	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
tert-Amyl Methyl Ether (TAME)	ND	5.0	1.1	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
Benzene	320	10	1.9	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
Bromobenzene	ND	10	1.2	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
Bromochloromethane	ND	10	3.4	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
Bromodichloromethane	ND	5.0	1.4	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
Bromoform	ND	10	3.2	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
Bromomethane	ND	50	9.1	µg/L	10	V-05	SW-846 8260D	10/6/25	10/8/25 1:32	MFF
2-Butanone (MEK)	47	200	15	µg/L	10	J	SW-846 8260D	10/6/25	10/8/25 1:32	MFF
tert-Butyl Alcohol (TBA)	ND	200	38	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
n-Butylbenzene	ND	10	1.4	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
sec-Butylbenzene	ND	10	1.4	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
tert-Butylbenzene	ND	10	1.3	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	5.0	1.2	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
Carbon Disulfide	ND	50	16	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
Carbon Tetrachloride	ND	50	1.8	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
Chlorobenzene	ND	10	1.2	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
Chlorodibromomethane	ND	5.0	1.2	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
Chloroethane	ND	20	4.3	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
Chloroform	ND	20	1.4	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
Chloromethane	ND	20	3.9	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
2-Chlorotoluene	ND	10	1.1	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
4-Chlorotoluene	ND	10	1.4	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	6.2	µg/L	10	V-05	SW-846 8260D	10/6/25	10/8/25 1:32	MFF
1,2-Dibromoethane (EDB)	ND	5.0	1.2	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
Dibromomethane	ND	10	2.0	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
1,2-Dichlorobenzene	ND	10	1.3	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
1,3-Dichlorobenzene	ND	10	1.4	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
1,4-Dichlorobenzene	ND	10	1.4	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
trans-1,4-Dichloro-2-butene	ND	20	14	µg/L	10	V-05	SW-846 8260D	10/6/25	10/8/25 1:32	MFF
Dichlorodifluoromethane (Freon 12)	ND	20	2.3	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
1,1-Dichloroethane	ND	10	1.9	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
1,2-Dichloroethane	ND	10	2.8	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
1,1-Dichloroethylene	ND	10	1.5	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
cis-1,2-Dichloroethylene	ND	10	1.9	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
trans-1,2-Dichloroethylene	ND	10	1.9	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
1,2-Dichloropropane	ND	10	2.0	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
1,3-Dichloropropane	ND	5.0	1.3	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
2,2-Dichloropropane	ND	10	3.0	µg/L	10	V-05	SW-846 8260D	10/6/25	10/8/25 1:32	MFF
1,1-Dichloropropene	ND	20	1.7	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
cis-1,3-Dichloropropene	ND	5.0	1.6	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
trans-1,3-Dichloropropene	ND	5.0	1.6	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
Diethyl Ether	ND	20	1.5	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Starksboro, VT | Sample Description: | Work Order: 25J0248

Date Received: 10/3/2025

Field Sample #: MW-5 | Sampled: 10/2/2025 15:05

Sample ID: 25J0248-08

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	5.0	2.1	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
1,4-Dioxane	ND	500	140	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
Ethylbenzene	160	10	1.1	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
Hexachlorobutadiene	ND	6.0	2.4	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
2-Hexanone (MBK)	ND	100	12	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
Isopropylbenzene (Cumene)	4.4	10	1.6	µg/L	10	J	SW-846 8260D	10/6/25	10/8/25 1:32	MFF
p-Isopropyltoluene (p-Cymene)	ND	10	1.4	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
Methyl Acetate	ND	20	4.0	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
Methyl tert-Butyl Ether (MTBE)	ND	10	1.1	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
Methyl Cyclohexane	6.9	10	1.7	µg/L	10	J	SW-846 8260D	10/6/25	10/8/25 1:32	MFF
Methylene Chloride	ND	50	1.7	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
4-Methyl-2-pentanone (MIBK)	ND	100	12	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
Naphthalene	ND	20	2.1	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
n-Propylbenzene	11	10	1.1	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
Styrene	ND	10	1.6	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
1,1,1,2-Tetrachloroethane	ND	10	1.5	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
1,1,2,2-Tetrachloroethane	ND	5.0	1.1	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
Tetrachloroethylene	7.5	10	1.5	µg/L	10	J	SW-846 8260D	10/6/25	10/8/25 1:32	MFF
Tetrahydrofuran	ND	100	4.8	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
Toluene	1000	10	1.1	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
1,2,3-Trichlorobenzene	ND	50	2.1	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
1,2,4-Trichlorobenzene	ND	10	1.8	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
1,3,5-Trichlorobenzene	ND	10	1.3	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
1,1,1-Trichloroethane	ND	10	1.5	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
1,1,2-Trichloroethane	ND	10	1.5	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
Trichloroethylene	ND	10	1.6	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
Trichlorofluoromethane (Freon 11)	ND	20	1.6	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
1,2,3-Trichloropropane	ND	20	2.3	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	10	1.5	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
1,2,4-Trimethylbenzene	67	10	1.5	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
1,3,5-Trimethylbenzene	22	10	1.6	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
Vinyl Chloride	ND	20	2.2	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
m+p Xylene	520	20	3.0	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF
o-Xylene	290	10	1.6	µg/L	10		SW-846 8260D	10/6/25	10/8/25 1:32	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.6	70-130		10/8/25 1:32
Toluene-d8	98.2	70-130		10/8/25 1:32
4-Bromofluorobenzene	105	70-130		10/8/25 1:32

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Starksboro, VT | Sample Description: | Work Order: 25J0248

Date Received: 10/3/2025

Field Sample #: MW-7 | Sampled: 10/2/2025 16:00

Sample ID: 25J0248-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	6.6	50	1.9	µg/L	1	J	SW-846 8260D	10/6/25	10/8/25 0:40	MFF
Acrylonitrile	ND	5.0	1.2	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.11	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
Benzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
Bromobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
Bromochloromethane	ND	1.0	0.34	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
Bromoform	ND	1.0	0.32	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
Bromomethane	ND	5.0	0.91	µg/L	1	V-05	SW-846 8260D	10/6/25	10/8/25 0:40	MFF
2-Butanone (MEK)	ND	20	1.5	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
tert-Butyl Alcohol (TBA)	ND	20	3.8	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
n-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
sec-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.12	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
Carbon Tetrachloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
Chlorodibromomethane	ND	0.50	0.12	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
Chloroethane	ND	2.0	0.43	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
Chloromethane	ND	2.0	0.39	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
4-Chlorotoluene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.62	µg/L	1	V-05	SW-846 8260D	10/6/25	10/8/25 0:40	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.12	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
Dibromomethane	ND	1.0	0.20	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
1,4-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.4	µg/L	1	V-05	SW-846 8260D	10/6/25	10/8/25 0:40	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.23	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
1,1-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
1,2-Dichloroethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
1,1-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
1,2-Dichloropropane	ND	1.0	0.20	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
2,2-Dichloropropane	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	10/6/25	10/8/25 0:40	MFF
1,1-Dichloropropene	ND	2.0	0.17	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
trans-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
Diethyl Ether	ND	2.0	0.15	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Starksboro, VT | Sample Description: | Work Order: 25J0248

Date Received: 10/3/2025

Field Sample #: MW-7 | Sampled: 10/2/2025 16:00

Sample ID: 25J0248-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.21	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
1,4-Dioxane	ND	50	14	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
Ethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
Hexachlorobutadiene	ND	0.60	0.24	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
Methyl Acetate	ND	2.0	0.40	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
Methyl Cyclohexane	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
Methylene Chloride	ND	5.0	0.17	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.2	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
Naphthalene	ND	2.0	0.21	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
Styrene	ND	1.0	0.16	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.11	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
Tetrachloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
Tetrahydrofuran	ND	10	0.48	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.21	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
1,1,2-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
Trichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.16	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
1,2,3-Trichloropropane	ND	2.0	0.23	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
Vinyl Chloride	ND	2.0	0.22	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
m+p Xylene	ND	2.0	0.30	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	10/6/25	10/8/25 0:40	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	95.0	70-130		10/8/25 0:40
Toluene-d8	97.5	70-130		10/8/25 0:40
4-Bromofluorobenzene	104	70-130		10/8/25 0:40

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Starksboro, VT | Sample Description: | Work Order: 25J0248

Date Received: 10/3/2025

Field Sample #: MW-8 | Sampled: 10/2/2025 13:20

Sample ID: 25J0248-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	5.1	50	1.9	µg/L	1	J	SW-846 8260D	10/6/25	10/8/25 1:06	MFF
Acrylonitrile	ND	5.0	1.2	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.11	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
Benzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
Bromobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
Bromochloromethane	ND	1.0	0.34	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
Bromoform	ND	1.0	0.32	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
Bromomethane	ND	5.0	0.91	µg/L	1	V-05	SW-846 8260D	10/6/25	10/8/25 1:06	MFF
2-Butanone (MEK)	ND	20	1.5	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
tert-Butyl Alcohol (TBA)	ND	20	3.8	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
n-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
sec-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.12	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
Carbon Tetrachloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
Chlorodibromomethane	ND	0.50	0.12	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
Chloroethane	ND	2.0	0.43	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
Chloromethane	ND	2.0	0.39	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
4-Chlorotoluene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.62	µg/L	1	V-05	SW-846 8260D	10/6/25	10/8/25 1:06	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.12	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
Dibromomethane	ND	1.0	0.20	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
1,4-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.4	µg/L	1	V-05	SW-846 8260D	10/6/25	10/8/25 1:06	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.23	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
1,1-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
1,2-Dichloroethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
1,1-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
1,2-Dichloropropane	ND	1.0	0.20	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
2,2-Dichloropropane	ND	1.0	0.30	µg/L	1	V-05	SW-846 8260D	10/6/25	10/8/25 1:06	MFF
1,1-Dichloropropene	ND	2.0	0.17	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
trans-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
Diethyl Ether	ND	2.0	0.15	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF

Pace Analytical Services, LLC - East Longmeadow, Ma

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Project Location: Starksboro, VT | Sample Description: | Work Order: 25J0248

Date Received: 10/3/2025

Field Sample #: MW-8 | Sampled: 10/2/2025 13:20

Sample ID: 25J0248-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.21	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
1,4-Dioxane	ND	50	14	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
Ethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
Hexachlorobutadiene	ND	0.60	0.24	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
Methyl Acetate	ND	2.0	0.40	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
Methyl Cyclohexane	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
Methylene Chloride	ND	5.0	0.17	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.2	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
Naphthalene	ND	2.0	0.21	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
Styrene	ND	1.0	0.16	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.11	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
Tetrachloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
Tetrahydrofuran	ND	10	0.48	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.21	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
1,1,2-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
Trichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.16	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
1,2,3-Trichloropropane	ND	2.0	0.23	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
Vinyl Chloride	ND	2.0	0.22	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
m+p Xylene	ND	2.0	0.30	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	10/6/25	10/8/25 1:06	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	94.4	70-130		10/8/25 1:06
Toluene-d8	98.8	70-130		10/8/25 1:06
4-Bromofluorobenzene	105	70-130		10/8/25 1:06

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Sample Extraction Data

Prep Method: EPA 524.2-EPA 524.2

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25J0248-01 [DW-EFF]	B414792	5	5.00	10/07/25
25J0248-02 [DW-MID]	B414792	5	5.00	10/07/25
25J0248-03 [DW-INF]	B414792	5	5.00	10/07/25

Prep Method: EPA 524.2-EPA 524.2

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25J0248-03RE1 [DW-INF]	B414978	0.2	5.00	10/08/25

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25J0248-04 [TB]	B414733	5	5.00	10/06/25
25J0248-05 [DUP]	B414733	5	5.00	10/06/25
25J0248-06 [Supply Well]	B414733	5	5.00	10/06/25
25J0248-07 [MW-4]	B414733	5	5.00	10/06/25
25J0248-08 [MW-5]	B414733	0.5	5.00	10/06/25
25J0248-09 [MW-7]	B414733	5	5.00	10/06/25
25J0248-10 [MW-8]	B414733	5	5.00	10/06/25

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B414733 - SW-846 5030B											
Blank (B414733-BLK1)					Prepared: 10/06/25 Analyzed: 10/07/25						
Acetone	ND	50	1.9	µg/L							
Acrylonitrile	ND	5.0	1.2	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.11	µg/L							
Benzene	ND	1.0	0.19	µg/L							
Bromobenzene	ND	1.0	0.12	µg/L							
Bromochloromethane	ND	1.0	0.34	µg/L							
Bromodichloromethane	ND	0.50	0.14	µg/L							
Bromoform	ND	1.0	0.32	µg/L							
Bromomethane	ND	2.0	0.91	µg/L							V-05
2-Butanone (MEK)	ND	20	1.5	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	3.8	µg/L							
n-Butylbenzene	ND	1.0	0.14	µg/L							
sec-Butylbenzene	ND	1.0	0.14	µg/L							
tert-Butylbenzene	ND	1.0	0.13	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.12	µg/L							
Carbon Disulfide	ND	5.0	1.6	µg/L							
Carbon Tetrachloride	ND	5.0	0.18	µg/L							
Chlorobenzene	ND	1.0	0.12	µg/L							
Chlorodibromomethane	ND	0.50	0.12	µg/L							
Chloroethane	ND	2.0	0.43	µg/L							
Chloroform	ND	2.0	0.14	µg/L							
Chloromethane	ND	2.0	0.39	µg/L							
2-Chlorotoluene	ND	1.0	0.11	µg/L							
4-Chlorotoluene	ND	1.0	0.14	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.62	µg/L							V-05
1,2-Dibromoethane (EDB)	ND	0.50	0.12	µg/L							
Dibromomethane	ND	1.0	0.20	µg/L							
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L							
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L							
1,4-Dichlorobenzene	ND	1.0	0.14	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	1.4	µg/L							V-05
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.23	µg/L							
1,1-Dichloroethane	ND	1.0	0.19	µg/L							
1,2-Dichloroethane	ND	1.0	0.28	µg/L							
1,1-Dichloroethylene	ND	1.0	0.15	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	0.19	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	0.19	µg/L							
1,2-Dichloropropane	ND	1.0	0.20	µg/L							
1,3-Dichloropropane	ND	0.50	0.13	µg/L							
2,2-Dichloropropane	ND	1.0	0.30	µg/L							V-05
1,1-Dichloropropene	ND	2.0	0.17	µg/L							
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L							
trans-1,3-Dichloropropene	ND	0.50	0.16	µg/L							
Diethyl Ether	ND	2.0	0.15	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	0.21	µg/L							
1,4-Dioxane	ND	50	14	µg/L							
Ethylbenzene	ND	1.0	0.11	µg/L							
Hexachlorobutadiene	ND	0.60	0.24	µg/L							
2-Hexanone (MBK)	ND	10	1.2	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B414733 - SW-846 5030B												
Blank (B414733-BLK1)					Prepared: 10/06/25 Analyzed: 10/07/25							
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.14	µg/L								
Methyl Acetate	ND	1.0	0.40	µg/L								
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.11	µg/L								
Methyl Cyclohexane	ND	1.0	0.17	µg/L								
Methylene Chloride	ND	5.0	0.17	µg/L								
4-Methyl-2-pentanone (MIBK)	ND	10	1.2	µg/L								
Naphthalene	ND	2.0	0.21	µg/L								
n-Propylbenzene	ND	1.0	0.11	µg/L								
Styrene	ND	1.0	0.16	µg/L								
1,1,1,2-Tetrachloroethane	ND	1.0	0.15	µg/L								
1,1,2,2-Tetrachloroethane	ND	0.50	0.11	µg/L								
Tetrachloroethylene	ND	1.0	0.15	µg/L								
Tetrahydrofuran	ND	10	0.48	µg/L								
Toluene	ND	1.0	0.11	µg/L								
1,2,3-Trichlorobenzene	ND	5.0	0.21	µg/L								
1,2,4-Trichlorobenzene	ND	1.0	0.18	µg/L								
1,3,5-Trichlorobenzene	ND	1.0	0.13	µg/L								
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L								
1,1,2-Trichloroethane	ND	1.0	0.15	µg/L								
Trichloroethylene	ND	1.0	0.16	µg/L								
Trichlorofluoromethane (Freon 11)	ND	2.0	0.16	µg/L								
1,2,3-Trichloropropane	ND	2.0	0.23	µg/L								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.15	µg/L								
1,2,4-Trimethylbenzene	ND	1.0	0.15	µg/L								
1,3,5-Trimethylbenzene	ND	1.0	0.16	µg/L								
Vinyl Chloride	ND	2.0	0.22	µg/L								
m+p Xylene	ND	2.0	0.30	µg/L								
o-Xylene	ND	1.0	0.16	µg/L								
Surrogate: 1,2-Dichloroethane-d4	*23.7*			µg/L	25.00		94.6	70-130				
Surrogate: Toluene-d8	*24.5*			µg/L	25.00		98.0	70-130				
Surrogate: 4-Bromofluorobenzene	*26.1*			µg/L	25.00		104	70-130				
LCS (B414733-BS1)					Prepared: 10/06/25 Analyzed: 10/07/25							
Acetone	90.6	50	1.9	µg/L	100.0		90.6	70-160				†
Acrylonitrile	10.6	5.0	1.2	µg/L	10.00		106	70-130				
tert-Amyl Methyl Ether (TAME)	8.95	0.50	0.11	µg/L	10.00		89.5	70-130				
Benzene	9.09	1.0	0.19	µg/L	10.00		90.9	70-130				
Bromobenzene	9.76	1.0	0.12	µg/L	10.00		97.6	70-130				
Bromochloromethane	9.11	1.0	0.34	µg/L	10.00		91.1	70-130				
Bromodichloromethane	8.87	0.50	0.14	µg/L	10.00		88.7	70-130				
Bromoform	9.04	1.0	0.32	µg/L	10.00		90.4	70-130				
Bromomethane	5.84	2.0	0.91	µg/L	10.00		58.4	40-160			V-05	†
2-Butanone (MEK)	97.9	20	1.5	µg/L	100.0		97.9	40-160				†
tert-Butyl Alcohol (TBA)	96.7	20	3.8	µg/L	100.0		96.7	40-160				†
n-Butylbenzene	8.43	1.0	0.14	µg/L	10.00		84.3	70-130				
sec-Butylbenzene	8.70	1.0	0.14	µg/L	10.00		87.0	70-130				
tert-Butylbenzene	8.84	1.0	0.13	µg/L	10.00		88.4	70-130				
tert-Butyl Ethyl Ether (TBEE)	9.10	0.50	0.12	µg/L	10.00		91.0	70-130				
Carbon Disulfide	83.9	5.0	1.6	µg/L	100.0		83.9	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B414733 - SW-846 5030B												
LCS (B414733-BS1)					Prepared: 10/06/25 Analyzed: 10/07/25							
Carbon Tetrachloride	7.69	5.0	0.18	µg/L	10.00		76.9	70-130				
Chlorobenzene	10.5	1.0	0.12	µg/L	10.00		105	70-130				
Chlorodibromomethane	9.17	0.50	0.12	µg/L	10.00		91.7	70-130				
Chloroethane	8.51	2.0	0.43	µg/L	10.00		85.1	70-130				
Chloroform	8.78	2.0	0.14	µg/L	10.00		87.8	70-130				
Chloromethane	10.6	2.0	0.39	µg/L	10.00		106	40-160				†
2-Chlorotoluene	9.72	1.0	0.11	µg/L	10.00		97.2	70-130				
4-Chlorotoluene	9.64	1.0	0.14	µg/L	10.00		96.4	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	7.94	5.0	0.62	µg/L	10.00		79.4	70-130			V-05	
1,2-Dibromoethane (EDB)	10.2	0.50	0.12	µg/L	10.00		102	70-130				
Dibromomethane	9.72	1.0	0.20	µg/L	10.00		97.2	70-130				
1,2-Dichlorobenzene	9.71	1.0	0.13	µg/L	10.00		97.1	70-130				
1,3-Dichlorobenzene	9.58	1.0	0.14	µg/L	10.00		95.8	70-130				
1,4-Dichlorobenzene	9.58	1.0	0.14	µg/L	10.00		95.8	70-130				
trans-1,4-Dichloro-2-butene	7.06	2.0	1.4	µg/L	10.00		70.6	70-130			V-05	
Dichlorodifluoromethane (Freon 12)	8.95	2.0	0.23	µg/L	10.00		89.5	40-160				†
1,1-Dichloroethane	9.14	1.0	0.19	µg/L	10.00		91.4	70-130				
1,2-Dichloroethane	8.42	1.0	0.28	µg/L	10.00		84.2	70-130				
1,1-Dichloroethylene	8.77	1.0	0.15	µg/L	10.00		87.7	70-130				
cis-1,2-Dichloroethylene	9.25	1.0	0.19	µg/L	10.00		92.5	70-130				
trans-1,2-Dichloroethylene	9.06	1.0	0.19	µg/L	10.00		90.6	70-130				
1,2-Dichloropropane	9.95	1.0	0.20	µg/L	10.00		99.5	70-130				
1,3-Dichloropropane	9.81	0.50	0.13	µg/L	10.00		98.1	70-130				
2,2-Dichloropropane	7.33	1.0	0.30	µg/L	10.00		73.3	40-130			V-05	†
1,1-Dichloropropene	8.71	2.0	0.17	µg/L	10.00		87.1	70-130				
cis-1,3-Dichloropropene	8.41	0.50	0.16	µg/L	10.00		84.1	70-130				
trans-1,3-Dichloropropene	8.03	0.50	0.16	µg/L	10.00		80.3	70-130				
Diethyl Ether	9.68	2.0	0.15	µg/L	10.00		96.8	70-130				
Diisopropyl Ether (DIPE)	9.20	0.50	0.21	µg/L	10.00		92.0	70-130				
1,4-Dioxane	102	50	14	µg/L	100.0		102	40-130				†
Ethylbenzene	9.78	1.0	0.11	µg/L	10.00		97.8	70-130				
Hexachlorobutadiene	10.6	0.60	0.24	µg/L	10.00		106	70-130				
2-Hexanone (MBK)	105	10	1.2	µg/L	100.0		105	70-160				†
Isopropylbenzene (Cumene)	9.59	1.0	0.16	µg/L	10.00		95.9	70-130				
p-Isopropyltoluene (p-Cymene)	8.94	1.0	0.14	µg/L	10.00		89.4	70-130				
Methyl Acetate	9.88	1.0	0.40	µg/L	10.00		98.8	70-130				
Methyl tert-Butyl Ether (MTBE)	8.88	1.0	0.11	µg/L	10.00		88.8	70-130				
Methyl Cyclohexane	9.40	1.0	0.17	µg/L	10.00		94.0	70-130				
Methylene Chloride	7.74	5.0	0.17	µg/L	10.00		77.4	70-130				
4-Methyl-2-pentanone (MIBK)	103	10	1.2	µg/L	100.0		103	70-160				†
Naphthalene	8.31	2.0	0.21	µg/L	10.00		83.1	40-130				†
n-Propylbenzene	9.66	1.0	0.11	µg/L	10.00		96.6	70-130				
Styrene	10.0	1.0	0.16	µg/L	10.00		100	70-130				
1,1,1,2-Tetrachloroethane	10.1	1.0	0.15	µg/L	10.00		101	70-130				
1,1,2,2-Tetrachloroethane	10.4	0.50	0.11	µg/L	10.00		104	70-130				
Tetrachloroethylene	11.1	1.0	0.15	µg/L	10.00		111	70-130				
Tetrahydrofuran	9.57	10	0.48	µg/L	10.00		95.7	70-130			J	
Toluene	9.59	1.0	0.11	µg/L	10.00		95.9	70-130				
1,2,3-Trichlorobenzene	9.18	5.0	0.21	µg/L	10.00		91.8	70-130				
1,2,4-Trichlorobenzene	9.84	1.0	0.18	µg/L	10.00		98.4	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B414733 - SW-846 5030B												
LCS (B414733-BS1)					Prepared: 10/06/25 Analyzed: 10/07/25							
1,3,5-Trichlorobenzene	10.7	1.0	0.13	µg/L	10.00		107	70-130				
1,1,1-Trichloroethane	8.45	1.0	0.15	µg/L	10.00		84.5	70-130				
1,1,2-Trichloroethane	9.99	1.0	0.15	µg/L	10.00		99.9	70-130				
Trichloroethylene	9.90	1.0	0.16	µg/L	10.00		99.0	70-130				
Trichlorofluoromethane (Freon 11)	8.26	2.0	0.16	µg/L	10.00		82.6	70-130				
1,2,3-Trichloropropane	10.5	2.0	0.23	µg/L	10.00		105	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.98	1.0	0.15	µg/L	10.00		89.8	70-130				
1,2,4-Trimethylbenzene	8.70	1.0	0.15	µg/L	10.00		87.0	70-130				
1,3,5-Trimethylbenzene	9.59	1.0	0.16	µg/L	10.00		95.9	70-130				
Vinyl Chloride	9.19	2.0	0.22	µg/L	10.00		91.9	40-160				†
m+p Xylene	19.1	2.0	0.30	µg/L	20.00		95.3	70-130				
o-Xylene	9.53	1.0	0.16	µg/L	10.00		95.3	70-130				
Surrogate: 1,2-Dichloroethane-d4	*23.7*			µg/L	25.00		95.0	70-130				
Surrogate: Toluene-d8	*25.1*			µg/L	25.00		100	70-130				
Surrogate: 4-Bromofluorobenzene	*26.3*			µg/L	25.00		105	70-130				
LCS Dup (B414733-BSD1)					Prepared: 10/06/25 Analyzed: 10/07/25							
Acetone	93.5	50	1.9	µg/L	100.0		93.5	70-160	3.15	25		†
Acrylonitrile	11.1	5.0	1.2	µg/L	10.00		111	70-130	4.34	25		
tert-Amyl Methyl Ether (TAME)	9.10	0.50	0.11	µg/L	10.00		91.0	70-130	1.66	25		
Benzene	9.62	1.0	0.19	µg/L	10.00		96.2	70-130	5.67	25		
Bromobenzene	10.1	1.0	0.12	µg/L	10.00		101	70-130	3.42	25		
Bromochloromethane	9.46	1.0	0.34	µg/L	10.00		94.6	70-130	3.77	25		
Bromodichloromethane	9.37	0.50	0.14	µg/L	10.00		93.7	70-130	5.48	25		
Bromoform	9.50	1.0	0.32	µg/L	10.00		95.0	70-130	4.96	25		
Bromomethane	6.30	2.0	0.91	µg/L	10.00		63.0	40-160	7.58	25	V-05	†
2-Butanone (MEK)	102	20	1.5	µg/L	100.0		102	40-160	4.46	25		†
tert-Butyl Alcohol (TBA)	105	20	3.8	µg/L	100.0		105	40-160	8.06	25		†
n-Butylbenzene	9.10	1.0	0.14	µg/L	10.00		91.0	70-130	7.64	25		
sec-Butylbenzene	9.11	1.0	0.14	µg/L	10.00		91.1	70-130	4.60	25		
tert-Butylbenzene	9.37	1.0	0.13	µg/L	10.00		93.7	70-130	5.82	25		
tert-Butyl Ethyl Ether (TBEE)	9.47	0.50	0.12	µg/L	10.00		94.7	70-130	3.98	25		
Carbon Disulfide	89.7	5.0	1.6	µg/L	100.0		89.7	70-130	6.75	25		
Carbon Tetrachloride	8.25	5.0	0.18	µg/L	10.00		82.5	70-130	7.03	25		
Chlorobenzene	11.0	1.0	0.12	µg/L	10.00		110	70-130	4.85	25		
Chlorodibromomethane	9.80	0.50	0.12	µg/L	10.00		98.0	70-130	6.64	25		
Chloroethane	9.36	2.0	0.43	µg/L	10.00		93.6	70-130	9.51	25		
Chloroform	9.47	2.0	0.14	µg/L	10.00		94.7	70-130	7.56	25		
Chloromethane	11.8	2.0	0.39	µg/L	10.00		118	40-160	10.5	25		†
2-Chlorotoluene	10.2	1.0	0.11	µg/L	10.00		102	70-130	5.21	25		
4-Chlorotoluene	10.1	1.0	0.14	µg/L	10.00		101	70-130	4.86	25		
1,2-Dibromo-3-chloropropane (DBCP)	8.05	5.0	0.62	µg/L	10.00		80.5	70-130	1.38	25	V-05	
1,2-Dibromoethane (EDB)	10.9	0.50	0.12	µg/L	10.00		109	70-130	6.24	25		
Dibromomethane	10.4	1.0	0.20	µg/L	10.00		104	70-130	6.66	25		
1,2-Dichlorobenzene	10.2	1.0	0.13	µg/L	10.00		102	70-130	4.92	25		
1,3-Dichlorobenzene	9.95	1.0	0.14	µg/L	10.00		99.5	70-130	3.79	25		
1,4-Dichlorobenzene	9.89	1.0	0.14	µg/L	10.00		98.9	70-130	3.18	25		
trans-1,4-Dichloro-2-butene	7.46	2.0	1.4	µg/L	10.00		74.6	70-130	5.51	25	V-05	
Dichlorodifluoromethane (Freon 12)	9.51	2.0	0.23	µg/L	10.00		95.1	40-160	6.07	25		†

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B414733 - SW-846 5030B												
LCS Dup (B414733-BSD1)					Prepared: 10/06/25 Analyzed: 10/07/25							
1,1-Dichloroethane	9.59	1.0	0.19	µg/L	10.00		95.9	70-130	4.81	25		
1,2-Dichloroethane	9.17	1.0	0.28	µg/L	10.00		91.7	70-130	8.53	25		
1,1-Dichloroethylene	9.26	1.0	0.15	µg/L	10.00		92.6	70-130	5.44	25		
cis-1,2-Dichloroethylene	9.43	1.0	0.19	µg/L	10.00		94.3	70-130	1.93	25		
trans-1,2-Dichloroethylene	9.49	1.0	0.19	µg/L	10.00		94.9	70-130	4.64	25		
1,2-Dichloropropane	10.4	1.0	0.20	µg/L	10.00		104	70-130	3.94	25		
1,3-Dichloropropane	10.4	0.50	0.13	µg/L	10.00		104	70-130	5.65	25		
2,2-Dichloropropane	7.36	1.0	0.30	µg/L	10.00		73.6	40-130	0.408	25	V-05	†
1,1-Dichloropropene	9.24	2.0	0.17	µg/L	10.00		92.4	70-130	5.91	25		
cis-1,3-Dichloropropene	8.89	0.50	0.16	µg/L	10.00		88.9	70-130	5.55	25		
trans-1,3-Dichloropropene	8.63	0.50	0.16	µg/L	10.00		86.3	70-130	7.20	25		
Diethyl Ether	10.1	2.0	0.15	µg/L	10.00		101	70-130	4.35	25		
Diisopropyl Ether (DIPE)	9.74	0.50	0.21	µg/L	10.00		97.4	70-130	5.70	25		
1,4-Dioxane	114	50	14	µg/L	100.0		114	40-130	10.8	50		† ‡
Ethylbenzene	10.3	1.0	0.11	µg/L	10.00		103	70-130	4.89	25		
Hexachlorobutadiene	11.2	0.60	0.24	µg/L	10.00		112	70-130	5.34	25		
2-Hexanone (MBK)	112	10	1.2	µg/L	100.0		112	70-160	6.57	25		†
Isopropylbenzene (Cumene)	10.1	1.0	0.16	µg/L	10.00		101	70-130	5.58	25		
p-Isopropyltoluene (p-Cymene)	9.44	1.0	0.14	µg/L	10.00		94.4	70-130	5.44	25		
Methyl Acetate	11.0	1.0	0.40	µg/L	10.00		110	70-130	10.8	25		
Methyl tert-Butyl Ether (MTBE)	9.42	1.0	0.11	µg/L	10.00		94.2	70-130	5.90	25		
Methyl Cyclohexane	10.2	1.0	0.17	µg/L	10.00		102	70-130	7.97	25		
Methylene Chloride	8.29	5.0	0.17	µg/L	10.00		82.9	70-130	6.86	25		
4-Methyl-2-pentanone (MIBK)	109	10	1.2	µg/L	100.0		109	70-160	5.80	25		†
Naphthalene	8.92	2.0	0.21	µg/L	10.00		89.2	40-130	7.08	25		†
n-Propylbenzene	10.1	1.0	0.11	µg/L	10.00		101	70-130	4.85	25		
Styrene	10.6	1.0	0.16	µg/L	10.00		106	70-130	5.33	25		
1,1,1,2-Tetrachloroethane	10.3	1.0	0.15	µg/L	10.00		103	70-130	2.16	25		
1,1,2,2-Tetrachloroethane	10.8	0.50	0.11	µg/L	10.00		108	70-130	4.33	25		
Tetrachloroethylene	12.2	1.0	0.15	µg/L	10.00		122	70-130	9.51	25		
Tetrahydrofuran	10.5	10	0.48	µg/L	10.00		105	70-130	9.55	25		
Toluene	10.2	1.0	0.11	µg/L	10.00		102	70-130	6.16	25		
1,2,3-Trichlorobenzene	9.95	5.0	0.21	µg/L	10.00		99.5	70-130	8.05	25		
1,2,4-Trichlorobenzene	10.7	1.0	0.18	µg/L	10.00		107	70-130	8.19	25		
1,3,5-Trichlorobenzene	11.2	1.0	0.13	µg/L	10.00		112	70-130	4.64	25		
1,1,1-Trichloroethane	9.14	1.0	0.15	µg/L	10.00		91.4	70-130	7.85	25		
1,1,2-Trichloroethane	10.5	1.0	0.15	µg/L	10.00		105	70-130	4.98	25		
Trichloroethylene	10.5	1.0	0.16	µg/L	10.00		105	70-130	5.98	25		
Trichlorofluoromethane (Freon 11)	8.75	2.0	0.16	µg/L	10.00		87.5	70-130	5.76	25		
1,2,3-Trichloropropane	10.9	2.0	0.23	µg/L	10.00		109	70-130	3.72	25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.64	1.0	0.15	µg/L	10.00		96.4	70-130	7.09	25		
1,2,4-Trimethylbenzene	9.28	1.0	0.15	µg/L	10.00		92.8	70-130	6.45	25		
1,3,5-Trimethylbenzene	10.2	1.0	0.16	µg/L	10.00		102	70-130	6.65	25		
Vinyl Chloride	10.1	2.0	0.22	µg/L	10.00		101	40-160	9.04	25		†
m+p Xylene	20.1	2.0	0.30	µg/L	20.00		101	70-130	5.36	25		
o-Xylene	10.2	1.0	0.16	µg/L	10.00		102	70-130	6.60	25		
Surrogate: 1,2-Dichloroethane-d4	*23.1*			µg/L	25.00		92.4	70-130				
Surrogate: Toluene-d8	*25.0*			µg/L	25.00		100	70-130				
Surrogate: 4-Bromofluorobenzene	*26.5*			µg/L	25.00		106	70-130				

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QUALITY CONTROL

Drinking Water Organics EPA 500 Series Methods - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B414792 - EPA 524.2											
Blank (B414792-BLK1)					Prepared & Analyzed: 10/07/25						
Benzene	ND	0.50	0.21	µg/L							
Bromobenzene	ND	0.50	0.16	µg/L							
Bromochloromethane	ND	0.50	0.17	µg/L							
Bromodichloromethane	ND	0.50	0.14	µg/L							
Bromoform	ND	0.50	0.19	µg/L							
Bromomethane	ND	0.50	0.24	µg/L							
n-Butylbenzene	ND	0.50	0.19	µg/L							
sec-Butylbenzene	ND	0.50	0.19	µg/L							
tert-Butylbenzene	ND	0.50	0.17	µg/L							
Carbon Tetrachloride	ND	0.50	0.18	µg/L							
Chlorobenzene	ND	0.50	0.14	µg/L							
Chloroethane	ND	0.50	0.20	µg/L							
Chloroform	ND	0.50	0.18	µg/L							
Chloromethane	ND	0.50	0.35	µg/L							
2-Chlorotoluene	ND	0.50	0.16	µg/L							
4-Chlorotoluene	ND	0.50	0.19	µg/L							
Dibromochloromethane	ND	0.50	0.12	µg/L							
Dibromomethane	ND	0.50	0.15	µg/L							
1,2-Dichlorobenzene	ND	0.50	0.14	µg/L							
1,3-Dichlorobenzene	ND	0.50	0.16	µg/L							
1,4-Dichlorobenzene	ND	0.50	0.18	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.18	µg/L							
1,1-Dichloroethane	ND	0.50	0.17	µg/L							
1,2-Dichloroethane	ND	0.50	0.18	µg/L							
1,1-Dichloroethylene	ND	0.50	0.12	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	0.16	µg/L							
trans-1,2-Dichloroethylene	ND	0.50	0.21	µg/L							
1,2-Dichloropropane	ND	0.50	0.20	µg/L							
1,3-Dichloropropane	ND	0.50	0.12	µg/L							
2,2-Dichloropropane	ND	0.50	0.18	µg/L							
1,1-Dichloropropene	ND	0.50	0.17	µg/L							
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L							
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L							
Ethylbenzene	ND	0.50	0.20	µg/L							
Hexachlorobutadiene	ND	0.50	0.29	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	0.19	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	0.50	0.18	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.11	µg/L							
Methylene Chloride	ND	0.50	0.21	µg/L							
Naphthalene	ND	1.0	0.27	µg/L							
n-Propylbenzene	ND	0.50	0.17	µg/L							
Styrene	ND	0.50	0.19	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	0.13	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L							
Tetrachloroethylene	ND	0.50	0.25	µg/L							
Toluene	ND	0.50	0.20	µg/L							
1,2,3-Trichlorobenzene	ND	0.50	0.23	µg/L							
1,2,4-Trichlorobenzene	ND	0.50	0.30	µg/L							
1,3,5-Trichlorobenzene	ND	0.50	0.23	µg/L							
1,1,1-Trichloroethane	ND	0.50	0.13	µg/L							

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QUALITY CONTROL

Drinking Water Organics EPA 500 Series Methods - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B414792 - EPA 524.2											
Blank (B414792-BLK1)					Prepared & Analyzed: 10/07/25						
1,1,2-Trichloroethane	ND	0.50	0.13	µg/L							
Trichloroethylene	ND	0.50	0.18	µg/L							
Trichlorofluoromethane (Freon 11)	ND	0.50	0.16	µg/L							
1,2,3-Trichloropropane	ND	0.50	0.13	µg/L							
1,2,4-Trimethylbenzene	ND	0.50	0.21	µg/L							
1,3,5-Trimethylbenzene	ND	0.50	0.18	µg/L							
Vinyl Chloride	ND	0.50	0.29	µg/L							
m&p-Xylene	ND	1.0	0.40	µg/L							
o-Xylene	ND	0.50	0.21	µg/L							
Surrogate: 4-Bromofluorobenzene	*23.6*			µg/L	25.00		94.4	80-120			
Surrogate: 1,2-Dichlorobenzene-d4	*25.9*			µg/L	25.00		103	80-120			
LCS (B414792-BS1)					Prepared & Analyzed: 10/07/25						
Benzene	11	0.50	0.21	µg/L	10.00		108	70-130			
Bromobenzene	10	0.50	0.16	µg/L	10.00		102	70-130			
Bromochloromethane	10	0.50	0.17	µg/L	10.00		102	70-130			
Bromodichloromethane	10	0.50	0.14	µg/L	10.00		103	70-130			
Bromoform	9.2	0.50	0.19	µg/L	10.00		92.4	70-130			
Bromomethane	11	0.50	0.24	µg/L	10.00		107	70-130			
n-Butylbenzene	9.6	0.50	0.19	µg/L	10.00		96.5	70-130			
sec-Butylbenzene	10	0.50	0.19	µg/L	10.00		103	70-130			
tert-Butylbenzene	9.5	0.50	0.17	µg/L	10.00		95.3	70-130			
Carbon Tetrachloride	12	0.50	0.18	µg/L	10.00		122	70-130			
Chlorobenzene	11	0.50	0.14	µg/L	10.00		110	70-130			
Chloroethane	10	0.50	0.20	µg/L	10.00		101	70-130			
Chloroform	11	0.50	0.18	µg/L	10.00		114	70-130			
Chloromethane	8.8	0.50	0.35	µg/L	10.00		88.1	70-130			
2-Chlorotoluene	10	0.50	0.16	µg/L	10.00		102	70-130			
4-Chlorotoluene	10	0.50	0.19	µg/L	10.00		105	70-130			
Dibromochloromethane	10	0.50	0.12	µg/L	10.00		101	70-130			
Dibromomethane	12	0.50	0.15	µg/L	10.00		118	70-130			
1,2-Dichlorobenzene	11	0.50	0.14	µg/L	10.00		114	70-130			
1,3-Dichlorobenzene	11	0.50	0.16	µg/L	10.00		112	70-130			
1,4-Dichlorobenzene	11	0.50	0.18	µg/L	10.00		108	70-130			
Dichlorodifluoromethane (Freon 12)	12	0.50	0.18	µg/L	10.00		125	70-130			
1,1-Dichloroethane	11	0.50	0.17	µg/L	10.00		108	70-130			
1,2-Dichloroethane	12	0.50	0.18	µg/L	10.00		121	70-130			
1,1-Dichloroethylene	11	0.50	0.12	µg/L	10.00		112	70-130			
cis-1,2-Dichloroethylene	11	0.50	0.16	µg/L	10.00		110	70-130			
trans-1,2-Dichloroethylene	11	0.50	0.21	µg/L	10.00		106	70-130			
1,2-Dichloropropane	10	0.50	0.20	µg/L	10.00		104	70-130			
1,3-Dichloropropane	11	0.50	0.12	µg/L	10.00		111	70-130			
2,2-Dichloropropane	9.3	0.50	0.18	µg/L	10.00		92.8	70-130			
1,1-Dichloropropene	11	0.50	0.17	µg/L	10.00		112	70-130			
cis-1,3-Dichloropropene	9.1	0.50	0.12	µg/L	10.00		91.1	70-130			
trans-1,3-Dichloropropene	8.4	0.50	0.14	µg/L	10.00		83.8	70-130			
Ethylbenzene	10	0.50	0.20	µg/L	10.00		104	70-130			
Hexachlorobutadiene	11	0.50	0.29	µg/L	10.00		108	70-130			
Isopropylbenzene (Cumene)	10	0.50	0.19	µg/L	10.00		105	70-130			
p-Isopropyltoluene (p-Cymene)	8.7	0.50	0.18	µg/L	10.00		86.9	70-130			

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QUALITY CONTROL

Drinking Water Organics EPA 500 Series Methods - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B414792 - EPA 524.2												
LCS (B414792-BS1)					Prepared & Analyzed: 10/07/25							
Methyl tert-Butyl Ether (MTBE)	9.9	0.50	0.11	µg/L	10.00		98.7		70-130			
Methylene Chloride	10	0.50	0.21	µg/L	10.00		103		70-130			
Naphthalene	7.2	1.0	0.27	µg/L	10.00		72.3		70-130			
n-Propylbenzene	10	0.50	0.17	µg/L	10.00		100		70-130			
Styrene	9.4	0.50	0.19	µg/L	10.00		94.2		70-130			
1,1,1,2-Tetrachloroethane	10	0.50	0.13	µg/L	10.00		104		70-130			
1,1,2,2-Tetrachloroethane	11	0.50	0.14	µg/L	10.00		108		70-130			
Tetrachloroethylene	12	0.50	0.25	µg/L	10.00		116		70-130			
Toluene	11	0.50	0.20	µg/L	10.00		106		70-130			
1,2,3-Trichlorobenzene	8.3	0.50	0.23	µg/L	10.00		83.4		70-130			
1,2,4-Trichlorobenzene	8.8	0.50	0.30	µg/L	10.00		88.2		70-130			
1,3,5-Trichlorobenzene	10	0.50	0.23	µg/L	10.00		105		70-130			
1,1,1-Trichloroethane	11	0.50	0.13	µg/L	10.00		113		70-130			
1,1,2-Trichloroethane	11	0.50	0.13	µg/L	10.00		108		70-130			
Trichloroethylene	12	0.50	0.18	µg/L	10.00		116		70-130			
Trichlorofluoromethane (Freon 11)	14	0.50	0.16	µg/L	10.00		**144**	*	70-130			L-01
1,2,3-Trichloropropane	11	0.50	0.13	µg/L	10.00		113		70-130			
1,2,4-Trimethylbenzene	9.7	0.50	0.21	µg/L	10.00		97.1		70-130			
1,3,5-Trimethylbenzene	9.4	0.50	0.18	µg/L	10.00		93.9		70-130			
Vinyl Chloride	12	0.50	0.29	µg/L	10.00		123		70-130			
m&p-Xylene	21	1.0	0.40	µg/L	20.00		104		70-130			
o-Xylene	11	0.50	0.21	µg/L	10.00		112		70-130			
Surrogate: 4-Bromofluorobenzene	*25.8*			µg/L	25.00		103		80-120			
Surrogate: 1,2-Dichlorobenzene-d4	*27.7*			µg/L	25.00		111		80-120			
Batch B414978 - EPA 524.2												
Blank (B414978-BLK1)					Prepared: 10/09/25 Analyzed: 10/10/25							
Benzene	ND	0.50	0.21	µg/L								
Bromobenzene	ND	0.50	0.16	µg/L								
Bromochloromethane	ND	0.50	0.17	µg/L								
Bromodichloromethane	ND	0.50	0.14	µg/L								
Bromoform	ND	0.50	0.19	µg/L								
Bromomethane	ND	0.50	0.24	µg/L								
n-Butylbenzene	ND	0.50	0.19	µg/L								
sec-Butylbenzene	ND	0.50	0.19	µg/L								
tert-Butylbenzene	ND	0.50	0.17	µg/L								
Carbon Tetrachloride	ND	0.50	0.18	µg/L								
Chlorobenzene	ND	0.50	0.14	µg/L								
Chloroethane	ND	0.50	0.20	µg/L								
Chloroform	ND	0.50	0.18	µg/L								
Chloromethane	ND	0.50	0.35	µg/L								
2-Chlorotoluene	ND	0.50	0.16	µg/L								
4-Chlorotoluene	ND	0.50	0.19	µg/L								
Dibromochloromethane	ND	0.50	0.12	µg/L								
Dibromomethane	ND	0.50	0.15	µg/L								
1,2-Dichlorobenzene	ND	0.50	0.14	µg/L								
1,3-Dichlorobenzene	ND	0.50	0.16	µg/L								
1,4-Dichlorobenzene	ND	0.50	0.18	µg/L								
Dichlorodifluoromethane (Freon 12)	ND	0.50	0.18	µg/L								

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QUALITY CONTROL

Drinking Water Organics EPA 500 Series Methods - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B414978 - EPA 524.2											
Blank (B414978-BLK1)					Prepared: 10/09/25 Analyzed: 10/10/25						
1,1-Dichloroethane	ND	0.50	0.17	µg/L							
1,2-Dichloroethane	ND	0.50	0.18	µg/L							
1,1-Dichloroethylene	ND	0.50	0.12	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	0.16	µg/L							
trans-1,2-Dichloroethylene	ND	0.50	0.21	µg/L							
1,2-Dichloropropane	ND	0.50	0.20	µg/L							
1,3-Dichloropropane	ND	0.50	0.12	µg/L							
2,2-Dichloropropane	ND	0.50	0.18	µg/L							
1,1-Dichloropropene	ND	0.50	0.17	µg/L							
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L							
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L							
Ethylbenzene	ND	0.50	0.20	µg/L							
Hexachlorobutadiene	ND	0.50	0.29	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	0.19	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	0.50	0.18	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	0.11	µg/L							
Methylene Chloride	ND	0.50	0.21	µg/L							
Naphthalene	ND	1.0	0.27	µg/L							
n-Propylbenzene	ND	0.50	0.17	µg/L							
Styrene	ND	0.50	0.19	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	0.13	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L							
Tetrachloroethylene	ND	0.50	0.25	µg/L							
Toluene	ND	0.50	0.20	µg/L							
1,2,3-Trichlorobenzene	ND	0.50	0.23	µg/L							
1,2,4-Trichlorobenzene	ND	0.50	0.30	µg/L							
1,3,5-Trichlorobenzene	ND	0.50	0.23	µg/L							
1,1,1-Trichloroethane	ND	0.50	0.13	µg/L							
1,1,2-Trichloroethane	ND	0.50	0.13	µg/L							
Trichloroethylene	ND	0.50	0.18	µg/L							
Trichlorofluoromethane (Freon 11)	ND	0.50	0.16	µg/L							
1,2,3-Trichloropropane	ND	0.50	0.13	µg/L							
1,2,4-Trimethylbenzene	ND	0.50	0.21	µg/L							
1,3,5-Trimethylbenzene	ND	0.50	0.18	µg/L							
Vinyl Chloride	ND	0.50	0.29	µg/L							
m&p-Xylene	ND	1.0	0.40	µg/L							
o-Xylene	ND	0.50	0.21	µg/L							
Surrogate: 4-Bromofluorobenzene	*23.0*			µg/L	25.00		91.9	80-120			
Surrogate: 1,2-Dichlorobenzene-d4	*25.6*			µg/L	25.00		102	80-120			
LCS (B414978-BS1)					Prepared & Analyzed: 10/09/25						
Benzene	12	0.50	0.21	µg/L	10.00		116	70-130			
Bromobenzene	10	0.50	0.16	µg/L	10.00		104	70-130			
Bromochloromethane	8.6	0.50	0.17	µg/L	10.00		85.7	70-130			
Bromodichloromethane	9.7	0.50	0.14	µg/L	10.00		97.0	70-130			
Bromoform	9.2	0.50	0.19	µg/L	10.00		91.8	70-130			
Bromomethane	9.6	0.50	0.24	µg/L	10.00		96.3	70-130			
n-Butylbenzene	9.5	0.50	0.19	µg/L	10.00		95.4	70-130			
sec-Butylbenzene	11	0.50	0.19	µg/L	10.00		109	70-130			
tert-Butylbenzene	11	0.50	0.17	µg/L	10.00		105	70-130			

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QUALITY CONTROL

Drinking Water Organics EPA 500 Series Methods - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B414978 - EPA 524.2												
LCS (B414978-BS1)					Prepared & Analyzed: 10/09/25							
Carbon Tetrachloride	12	0.50	0.18	µg/L	10.00		124		70-130			
Chlorobenzene	12	0.50	0.14	µg/L	10.00		118		70-130			
Chloroethane	10	0.50	0.20	µg/L	10.00		102		70-130			
Chloroform	11	0.50	0.18	µg/L	10.00		113		70-130			
Chloromethane	8.0	0.50	0.35	µg/L	10.00		79.6		70-130			
2-Chlorotoluene	10	0.50	0.16	µg/L	10.00		104		70-130			
4-Chlorotoluene	11	0.50	0.19	µg/L	10.00		108		70-130			
Dibromochloromethane	9.9	0.50	0.12	µg/L	10.00		99.1		70-130			
Dibromomethane	11	0.50	0.15	µg/L	10.00		114		70-130			
1,2-Dichlorobenzene	11	0.50	0.14	µg/L	10.00		115		70-130			
1,3-Dichlorobenzene	12	0.50	0.16	µg/L	10.00		118		70-130			
1,4-Dichlorobenzene	12	0.50	0.18	µg/L	10.00		115		70-130			
Dichlorodifluoromethane (Freon 12)	8.6	0.50	0.18	µg/L	10.00		85.8		70-130			
1,1-Dichloroethane	11	0.50	0.17	µg/L	10.00		109		70-130			
1,2-Dichloroethane	11	0.50	0.18	µg/L	10.00		107		70-130			
1,1-Dichloroethylene	12	0.50	0.12	µg/L	10.00		119		70-130			
cis-1,2-Dichloroethylene	11	0.50	0.16	µg/L	10.00		106		70-130			
trans-1,2-Dichloroethylene	10	0.50	0.21	µg/L	10.00		103		70-130			
1,2-Dichloropropane	10	0.50	0.20	µg/L	10.00		103		70-130			
1,3-Dichloropropane	11	0.50	0.12	µg/L	10.00		113		70-130			
2,2-Dichloropropane	8.2	0.50	0.18	µg/L	10.00		81.6		70-130			
1,1-Dichloropropene	12	0.50	0.17	µg/L	10.00		122		70-130			
cis-1,3-Dichloropropene	9.0	0.50	0.12	µg/L	10.00		89.5		70-130			
trans-1,3-Dichloropropene	8.1	0.50	0.14	µg/L	10.00		81.3		70-130			
Ethylbenzene	11	0.50	0.20	µg/L	10.00		111		70-130			
Hexachlorobutadiene	11	0.50	0.29	µg/L	10.00		114		70-130			
Isopropylbenzene (Cumene)	11	0.50	0.19	µg/L	10.00		114		70-130			
p-Isopropyltoluene (p-Cymene)	9.4	0.50	0.18	µg/L	10.00		94.5		70-130			
Methyl tert-Butyl Ether (MTBE)	9.8	0.50	0.11	µg/L	10.00		98.0		70-130			
Methylene Chloride	8.9	0.50	0.21	µg/L	10.00		89.4		70-130			
Naphthalene	8.7	1.0	0.27	µg/L	10.00		86.7		70-130			
n-Propylbenzene	11	0.50	0.17	µg/L	10.00		106		70-130			
Styrene	10	0.50	0.19	µg/L	10.00		103		70-130			
1,1,1,2-Tetrachloroethane	11	0.50	0.13	µg/L	10.00		109		70-130			
1,1,2,2-Tetrachloroethane	11	0.50	0.14	µg/L	10.00		112		70-130			
Tetrachloroethylene	13	0.50	0.25	µg/L	10.00		130		70-130			
Toluene	12	0.50	0.20	µg/L	10.00		116		70-130			
1,2,3-Trichlorobenzene	9.0	0.50	0.23	µg/L	10.00		89.6		70-130			
1,2,4-Trichlorobenzene	9.0	0.50	0.30	µg/L	10.00		89.6		70-130			
1,3,5-Trichlorobenzene	10	0.50	0.23	µg/L	10.00		102		70-130			
1,1,1-Trichloroethane	11	0.50	0.13	µg/L	10.00		112		70-130			
1,1,2-Trichloroethane	11	0.50	0.13	µg/L	10.00		115		70-130			
Trichloroethylene	12	0.50	0.18	µg/L	10.00		124		70-130			
Trichlorofluoromethane (Freon 11)	15	0.50	0.16	µg/L	10.00		**148**	*	70-130			L-01
1,2,3-Trichloropropane	12	0.50	0.13	µg/L	10.00		117		70-130			
1,2,4-Trimethylbenzene	10	0.50	0.21	µg/L	10.00		101		70-130			
1,3,5-Trimethylbenzene	10	0.50	0.18	µg/L	10.00		101		70-130			
Vinyl Chloride	9.3	0.50	0.29	µg/L	10.00		93.2		70-130			
m&p-Xylene	22	1.0	0.40	µg/L	20.00		110		70-130			
o-Xylene	12	0.50	0.21	µg/L	10.00		116		70-130			

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QUALITY CONTROL

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Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B414978 - EPA 524.2											
LCS (B414978-BS1)					Prepared & Analyzed: 10/09/25						
Surrogate: 4-Bromofluorobenzene	*24.4*			µg/L	25.00		97.5	80-120			
Surrogate: 1,2-Dichlorobenzene-d4	*25.9*			µg/L	25.00		104	80-120			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-01	Laboratory fortified blank/laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
RL-11	Elevated reporting limit due to high concentration of target compounds.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA 524.2 in Drinking Water	
tert-Amyl Methyl Ether (TAME)	CT,NH,NJ,PA
Benzene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
Bromobenzene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
Bromochloromethane	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
Bromodichloromethane	MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
Bromoform	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
Bromomethane	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
2-Butanone (MEK)	NH,ME,NJ,PA
tert-Butyl Alcohol (TBA)	CT,NH
n-Butylbenzene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
sec-Butylbenzene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
tert-Butylbenzene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
tert-Butyl Ethyl Ether (TBEE)	NH,NJ,PA
Carbon Disulfide	CT,NH,ME,NJ,PA
Carbon Tetrachloride	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
Chlorobenzene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
Chloroethane	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
Chloroform	MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
Chloromethane	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
2-Chlorotoluene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
4-Chlorotoluene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
Dibromochloromethane	MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
1,2-Dibromo-3-chloropropane (DBCP)	CT,NH,ME,NJ,PA
1,2-Dibromoethane (EDB)	CT,NH,ME,NJ,PA
Dibromomethane	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
1,2-Dichlorobenzene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
1,3-Dichlorobenzene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
1,4-Dichlorobenzene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
Dichlorodifluoromethane (Freon 12)	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
1,1-Dichloroethane	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
1,2-Dichloroethane	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
1,1-Dichloroethylene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
cis-1,2-Dichloroethylene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
trans-1,2-Dichloroethylene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
1,2-Dichloropropane	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
1,3-Dichloropropane	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
2,2-Dichloropropane	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
1,1-Dichloropropene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
cis-1,3-Dichloropropene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
trans-1,3-Dichloropropene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
1,3-Dichloropropene (total)	CT,MA
Diethyl Ether	CT,NH,NJ,PA
Diisopropyl Ether (DIPE)	NH,NJ,PA
Ethylbenzene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
Hexachlorobutadiene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
2-Hexanone (MBK)	NH,ME,NJ,PA
Isopropylbenzene (Cumene)	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA

Pace Analytical Services, LLC - East Longmeadow, Ma

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA 524.2 in Drinking Water	
p-Isopropyltoluene (p-Cymene)	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
Methyl tert-Butyl Ether (MTBE)	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
Methylene Chloride	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
Naphthalene	NH,NY,ME,NJ,PA
n-Propylbenzene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
Styrene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
1,1,1,2-Tetrachloroethane	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
1,1,2,2-Tetrachloroethane	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
Tetrachloroethylene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
Tetrahydrofuran	NJ,PA
Toluene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
1,2,3-Trichlorobenzene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
1,2,4-Trichlorobenzene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
1,3,5-Trichlorobenzene	ME,NJ,PA
1,1,1-Trichloroethane	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
1,1,2-Trichloroethane	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
Trichloroethylene	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
Trichlorofluoromethane (Freon 11)	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
1,2,3-Trichloropropane	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
1,2,4-Trimethylbenzene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
1,3,5-Trimethylbenzene	CT,MA,NH,NY,RI,ME,VT-DW,NJ,PA
Vinyl Chloride	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
m&p-Xylene	CT,NH,ME,VA,NJ,PA
o-Xylene	CT,NH,ME,VA,NJ,PA
Xylenes (total)	CT,MA,NH,NY,RI,ME,VA,VT-DW,NJ,PA
SW-846 8260D in Water	
Acetone	CT,ME,NH,VA,NY,NC,NJ
Acrylonitrile	CT,ME,NH,VA,NY,NC,NJ
tert-Amyl Methyl Ether (TAME)	ME,NH,VA,NY,NC,NJ
Benzene	CT,ME,NH,VA,NY,NC,NJ
Bromobenzene	ME,NY,NC,NJ
Bromochloromethane	ME,NH,VA,NY,NC,NJ
Bromodichloromethane	CT,ME,NH,VA,NY,NC,NJ
Bromoform	CT,ME,NH,VA,NY,NC,NJ
Bromomethane	CT,ME,NH,VA,NY,NC,NJ
2-Butanone (MEK)	CT,ME,NH,VA,NY,NC,NJ
tert-Butyl Alcohol (TBA)	ME,NH,VA,NY,NC,NJ
n-Butylbenzene	ME,VA,NY,NC,NJ
sec-Butylbenzene	ME,VA,NY,NC,NJ
tert-Butylbenzene	ME,VA,NY,NC,NJ
tert-Butyl Ethyl Ether (TBEE)	ME,NH,VA,NY,NC,NJ
Carbon Disulfide	CT,ME,NH,VA,NY,NC,NJ
Carbon Tetrachloride	CT,ME,NH,VA,NY,NC,NJ
Chlorobenzene	CT,ME,NH,VA,NY,NC,NJ
Chlorodibromomethane	CT,ME,NH,VA,NY,NC,NJ
Chloroethane	CT,ME,NH,VA,NY,NC,NJ

Pace Analytical Services, LLC - East Longmeadow, Ma

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
Chloroform	CT,ME,NH,VA,NY,NC,NJ
Chloromethane	CT,ME,NH,VA,NY,NC,NJ
2-Chlorotoluene	ME,NH,VA,NY,NC,NJ
4-Chlorotoluene	ME,NH,VA,NY,NC,NJ
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY,NC,NJ
1,2-Dibromoethane (EDB)	ME,NY,NC,NJ
Dibromomethane	ME,NH,VA,NY,NC,NJ
1,2-Dichlorobenzene	CT,ME,NH,VA,NY,NC,NJ
1,3-Dichlorobenzene	CT,ME,NH,VA,NY,NC,NJ
1,4-Dichlorobenzene	CT,ME,NH,VA,NY,NC,NJ
trans-1,4-Dichloro-2-butene	ME,NH,VA,NY,NC,NJ
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY,NC,NJ
1,1-Dichloroethane	CT,ME,NH,VA,NY,NC,NJ
1,2-Dichloroethane	CT,ME,NH,VA,NY,NC,NJ
1,1-Dichloroethylene	CT,ME,NH,VA,NY,NC,NJ
cis-1,2-Dichloroethylene	ME,NY,NC,NJ
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY,NC,NJ
1,2-Dichloropropane	CT,ME,NH,VA,NY,NC,NJ
1,3-Dichloropropane	ME,VA,NY,NC,NJ
2,2-Dichloropropane	ME,NH,VA,NY,NC,NJ
1,1-Dichloropropene	ME,NH,VA,NY,NC,NJ
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY,NC,NJ
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY,NC,NJ
Diethyl Ether	ME,NY,NC,NJ
Diisopropyl Ether (DIPE)	ME,NH,VA,NY,NC,NJ
1,4-Dioxane	ME,NH,NY,NC,NJ
Ethylbenzene	CT,ME,NH,VA,NY,NC,NJ
Hexachlorobutadiene	CT,ME,NH,VA,NY,NC,NJ
2-Hexanone (MBK)	CT,ME,NH,VA,NY,NC,NJ
Isopropylbenzene (Cumene)	ME,VA,NY,NC,NJ
p-Isopropyltoluene (p-Cymene)	CT,ME,NH,VA,NY,NC,NJ
Methyl Acetate	ME,NY,NC,NJ
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY,NC,NJ
Methyl Cyclohexane	NY,NC,NJ
Methylene Chloride	CT,ME,NH,VA,NY,NC,NJ
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY,NC,NJ
Naphthalene	ME,NH,VA,NY,NC,NJ
n-Propylbenzene	CT,ME,NH,VA,NY,NC,NJ
Styrene	CT,ME,NH,VA,NY,NC,NJ
1,1,1,2-Tetrachloroethane	CT,ME,NH,VA,NY,NC,NJ
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY,NC,NJ
Tetrachloroethylene	CT,ME,NH,VA,NY,NC,NJ
Tetrahydrofuran	NC
Toluene	CT,ME,NH,VA,NY,NC,NJ
1,2,3-Trichlorobenzene	ME,NH,VA,NY,NC,NJ
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY,NC,NJ
1,3,5-Trichlorobenzene	ME,NC

Pace Analytical Services, LLC - East Longmeadow, Ma

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
1,1,1-Trichloroethane	CT,ME,NH,VA,NY,NC,NJ
1,1,2-Trichloroethane	CT,ME,NH,VA,NY,NC,NJ
Trichloroethylene	CT,ME,NH,VA,NY,NC,NJ
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY,NC,NJ
1,2,3-Trichloropropane	ME,NH,VA,NY,NC,NJ
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY,NC,NJ
1,2,4-Trimethylbenzene	ME,VA,NY,NC,NJ
1,3,5-Trimethylbenzene	ME,VA,NY,NC,NJ
Vinyl Chloride	CT,ME,NH,VA,NY,NC,NJ
m+p Xylene	CT,ME,NH,VA,NY,NC,NJ
o-Xylene	CT,ME,NH,VA,NY,NC,NJ
Xylenes (total)	ME,NY,NC,NJ

Pace Analytical Services, LLC - East Longmeadow, Ma, operates under the following certifications and accreditations:

Code	Description	Number	Expires
MA	Massachusetts DEP	M-MA100	06/30/2026
CT	Connecticut Department of Public Health	PH-0821	12/31/2026
NY	New York State Department of Health	10899 NELAP	04/1/2026
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2026
RI	Rhode Island Department of Health	LAO00373	12/30/2025
NC	North Carolina Div. of Water Quality	652	12/31/2025
NJ	New Jersey DEP	MA007 NELAP	06/30/2026
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2026
ME	State of Maine	MA00100	06/9/2027
VA	Commonwealth of Virginia	460217	12/14/2025
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2026

25J0248RF

Pace Analytical

Phone: 413-525-2332
Fax: 413-525-6405
Access COC's and Support Requests

http://www.pacelabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 5_07/13/2021

Page 1 of 1

Company Name:	Atlas
Address:	51 Knight Ln, Williston, VT
Phone:	802-862-1480
Project Name:	Morrissey Residence
Project Location:	Starksboro VT
Project Number:	230EM01330
Project Manager:	Johanna Palmer
Pace Quote Name/Number:	
Invoice Recipient:	
Sampled By:	AK

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

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

Data Delivery	
Format: PDF	☑ EXCEL ☑
Other:	
CLP Like Data Pkg Required:	☐
Email To:	johanna.palmer@oneatlas.com
Fax To #:	

Dissolved Metals Samples	
○	Field Filtered
○	Lab to Filter

Orthophosphate Samples	
○	Field Filtered
○	Lab to Filter

PCB ONLY

SOXHLET ☐

NON SOXHLET ☐

ANALYSIS REQUESTED

Pace Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	537.1 #	8260 #										[2] Preservation Code
1	DW-Eff	10/2/25	935																				
2	DW-Mid		940																				
3	DW-Inf		945																				
4	TB		0830																				
5	DUP		0001																				
6	Supply Well		1015																				
7	MW-4		1610																				
8	MW-5		1505																				
9	MW-7		1600																				
10	MW-8		1320																				

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

Glassware in the fridge? Y / N

Glassware in freezer? Y / N

Prepackaged Cooler? Y / N

*Pace Analytical is not responsible for missing samples from prepacked coolers

Relinquished by: (signature)	AK	Date/Time: 1700 10/2/25
Received by: (signature)		Date/Time: 10/2/25 17:00
Relinquished by: (signature)		Date/Time: 10/3/25 11:00
Received by: (signature)		Date/Time: 10/3/25 1102
Relinquished by: (signature)		Date/Time: 10/3/25 1735
Received by: (signature)		Date/Time: 10/3/25 17
Relinquished by: (signature)		Date/Time:
Received by: (signature)		Date/Time:

Client Comments: please report to MDL

Detection Limit Requirements	
MA	
CT	
Other:	

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

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

NELAC and AIHA-LAP, LLC Accredited

Project Entity

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

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

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

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Comments:

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

Exhibit S

Table of Contents

Pace Analytical Services	DC#_Title: ENV-FRM-ELON-0001 v08_Sample Receiving Checklist
	Effective Date: 06/11/2024

Log In Back-Sheet

Client Atlas

Project Morrissa Residence

MCP/RCP Required N/A

Deliverable Package Requirement N/A

Location Starksboro, VT

PWSID# (When Applicable) N/A

Arrival Method:

Courier ☒ Fed Ex ☐ Walk In ☐ Other ☐

Received By / Date / Time STM 10/3/25 1735

Back-Sheet By / Date / Time STM 10/3/25 1807

Temperature Method Gun # 6

WV samples: Yes (see note*) / No (follow normal procedure)

Temp < 6° C Actual Temperature 4.2

Rush Samples: Yes / No Notify

Short Hold: Yes / No Notify

Notes regarding Samples/COC outside of SOP:

COC doesn't indicate analysis, logged as COC notes

Login Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy) Any False statement will be brought to the attention of the Client – True or False

	True	False
Received on ice	☒	☐
Received in Cooler	☒	☐
Custody Seal: DATE TIME	☐	☒
COC Relinquished	☒	☐
COC/Samples Labels Agree	☒	☐
All Samples in Good Condition	☒	☐
Samples Received within Holding Time	☒	☐
Is there enough Volume	☒	☐
Proper Media/Container Used	☒	☐
Splitting Samples Required	☐	☒
MS/MSD	☐	☒
Trip Blanks	☐	☒
Lab to Filters	☐	☒
COC Legible	☒	☐

COC Included: (Check all included)

Client ☒ Analysis ☒ Sampler Name ☒

Project ☒ IDs ☒ Collection Date/Time ☒

All Samples Proper pH: N/A ☐ ☐

Additional Container Notes

Note: West Virginia requires all samples to have their temperature taken. Note any outliers.

Qualtrax ID: 120836

Page 2 of 2

Qualtrax ID: 120836

Sample		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Soils Jars (Circle Amb/Clear)	16oz Amb/Clear																				
	8oz Amb/Clear																				
	4oz Amb/Clear																				
	2oz Amb/Clear																				
Ambers	Unpreserved																				
1 Liter	HCL																				
	Sulfuric																				
250mL	Sulfuric																				
	Phosphoric																				
	HCl																				
100mL	Unpreserved																				
Plastics	Unpreserved																				
1 Liter	Sulfuric																				
500mL	Unpreserved																				
	Sulfuric																				
250mL	Unpreserved																				
	Trizma																				
	Sulfuric																				
	Nitric																				
	NaOH																				
	Ammonium Acetate																				
	NaOH/Zinc																				
VOA Vials	Unpreserved																				
	HCl		M	M	M	N	M				M										
	MeOH																				
	D.I. Water																				
	BiSulfate																				
Other / Fill in	Col/Bact																				

DC#_Title: ENV-FRM-ELON-0001 v08_Sample Receiving Checklist

Effective Date: 06/11/2024

Exhibit S

Gmail

Samantha Morrissey <slpmorrissey@gmail.com>

Complaints Records

5 messages

Samantha Morrissey <slpmorrissey@gmail.com> Fri, Dec 13, 2024 at 9:59 AM
To: zoning@starksborovt.org, Amy McCormick <amy@starksborovt.org>
Cc: Christopher Morrissey <cmovermont@gmail.com>

Hello,

Can you please send me any records you have regarding complaints which we filed on behalf of our household, Chris and Samantha Morrissey, against Nick Bissonnette?

I am being told that we have filed 9 complaints which I know is not accurate and I would like to understand what the public record reflects.

Thank you very much!
Samantha Morrissey
1006 Jerusalem Rd.

Starksboro Zoning Administrator <zoning@starksborovt.org> Mon, Dec 16, 2024 at 11:00 AM
To: Samantha Morrissey <slpmorrissey@gmail.com>
Cc: Christopher Morrissey <cmovermont@gmail.com>

Hello Samantha,

Thank you for taking my call earlier this morning.

I started a file after talking with your husband on March 25, 2024. The things I have listed in the file are:

Concerned about New Years Eve Fireworks

Child tested positive for lead

Concerned that the neighbor Nick Bissonnette had removed earth to make a pond.

Concerned that the neighbor Nick Bissonnette had contaminated the water source they use.

None of these items are considered zoning violations as I explained to Chris at the time of our conversation. Please be aware that no formal complain was made, a formal complain needs to be in writing .

Please let me know if you need any additional information.

Sincerely,

Nancy Boss

Town of Starksboro

Exhibit S

Treasurer & Zoning Administrator

Physical address: 2849 VT Route 116

Mailing address: PO Box 91, Starksboro, VT 05487

treasurer@starksborovt.org | O: (802) 453-2639

NOTICE FROM TOWN OF STARKSBORO: Under Vermont Open Records law, email and attachments received or prepared for use in matters concerning Town business, or relating to Town business, are likely to be regarded as public records which may be inspected by any person upon request, unless otherwise made confidential by law.

[Quoted text hidden]

Samantha Morrissey <slpmorrissey@gmail.com> Thu, Dec 19, 2024 at 2:34 PM
To: Starksboro Zoning Administrator <zoning@starksborovt.org>
Cc: Christopher Morrissey <cmovermont@gmail.com>

Hi Nancy,

Thank you for taking the time to share this with us. I would like to clarify a few points for the record, please confirm if my understanding is correct.

1. Though this was not filed as a formal complaint, you did contact and discuss these matters with Nick, correct? And, then followed up with Chris after that conversation. I would like to also inform you that in a conversation I had with Nick on Thursday 12/12/24 he claimed that he was with you in person during that follow up conversation, and listened in on the conversation you had with Chris. Without making accusations or assumptions, if what he claims is accurate this does at face value seem to negatively impact the independent role we would expect a town official to preserve in this situation.
2. You note: "Concerned that the neighbor Nick Bissonnette had contaminated the water source they use." We want to clarify that this complaint was directly related to gasoline tanks which were located behind the garage on 33 Harlow drive and within 100 feet of our water source. Directly after this exchange we observed that the gas tank was moved across the street to the wood processing lot.

Thanks in advance for confirming or clarifying these points. This is an unfortunate and tricky situation none of us want to be in, my goal is not to create animosity, but simply to have a clear record of any engagement which has taken place surrounding this matter.

Best,
Samantha
[Quoted text hidden]

Starksboro Zoning Administrator <zoning@starksborovt.org> Thu, Dec 19, 2024 at 3:32 PM
To: Samantha Morrissey <slpmorrissey@gmail.com>, Starksboro Zoning Administrator <zoning@starksborovt.org>
Cc: Christopher Morrissey <cmovermont@gmail.com>, Amanda Vincent <amanda@starksborovt.org>

Hello Samantha,

I am happy to clarify for you.

1. After your husband called me on March 25, 2024, I contacted Nick. I left a voice mail message for Chris to return my call on March 25, 2024 @ 1:00pm. Chris did return my call, and Nick was not in the office when we spoke.
2. When I spoke with your husband on March 25, 2024, he voiced several concerns, one of which was your neighbor had contaminated his water source, that was the note I had written in the file. At the time I encouraged your husband to contact The Vermont Agency of Natural Recourses. You are stating in the below email that you would like to clarify that this complaint was directly related to gasoline tanks which were located behind the garage on 33

Exhibit S

Harlow Drive and within 100 feet of our water source. Water source complaints are not within my scope as the Zoning administrator. That is again an ANR issue.

Please feel free to reach out with any questions or concerns that are related to Zoning matters.

[Quoted text hidden]

Samantha Morrissey <slpmorrissey@gmail.com> Thu, Dec 19, 2024 at 3:52 PM
To: Starksboro Zoning Administrator <zoning@starksborovt.org>
Cc: Christopher Morrissey <cmovermont@gmail.com>, Amanda Vincent <amanda@starksborovt.org>

Thank you Nancy, I appreciate your time in this matter.

Nothing else we need for now, and I hope you have a nice holiday season.

Best,
Samantha
[Quoted text hidden]

 Exhibit S

Gmail

Samantha Morrissey <slpmorrissey@gmail.com>

Morrissey 1006 Jerusalem Rd Well Test Results

5 messages

Samantha Morrissey <slpmorrissey@gmail.com> Wed, Dec 11, 2024 at 11:37 AM
To: tom.debelle@vermont.gov
Cc: Christopher Morrissey <cmovermont@gmail.com>

Hi Tom,

The initial results from Endyne are attached. Once we have the final results I will send along as well as results from Clearwater tests once I receive them.

I've also included the confirmation I received for the environmental violation report which includes details. We're also likely to consider pursuing an act 250 complaint.

I appreciate any insights you can offer.

Thank you!
Samantha

---------- Forwarded message ----------
From: ECD Enforcement <ANR.Enforcement@vermont.gov>
To: slpmorrissey@gmail.com
Cc:
Bcc:
Date: Tue, 10 Dec 2024 18:12:23 -0500 (EST)
Subject: Online Environmental Violation Report

ECD Enforcement has received your report. Thank you. We cannot adequately protect Vermont's environment alone and appreciate hearing from you. You may request the incident report when the investigation is complete. To obtain a final copy of a report, please call us at 802-828-1254 or email us at ANR.Enforcement@vermont.gov. ---------- ---------- Submitted Complaint:

Submitted values are:
Date or time period violation first observed:
2023

Date or time period violation last observed:
December 2024

Town where violation occurred:
Bristol

Description of violation:
On 12/02 we tested the water from our dug well due to a strong gasoline odor. The results have returned positive for 10 chemicals of concern including benzene, Tetrachloroethene, and Toluene. Our neighbor is zoned for a wood processing operation across the street from our house. His commercial operation requires frequent vehicle and equipment maintenance, these activities are conducted adjacent to our property roughly 100 ft from our water source in our neighbor’s driveway, not at the operation across the road. Activities include welding heavy machinery and vehicles, power washing dump and logging trucks, and regular vehicle maintenance. Gas storage tanks were previously stored and regularly filled at this same location until spring of 2024 after we filed a complaint with the town of Starksboro. Since then they have been relocated and stored across the street at the wood processing location. In the fall of 2023 our neighbor dug a pond up above our water source removing dozens of dump trucks loads of material from the property. We have expressed concerns about the impact all of these activities may have on our shallow and vulnerable water source. We believe these activities have led to the contamination of our well. There have been no other incidents which would lead to these chemicals being in our water.

Address of subject site

Exhibit S

33 Harlow drive, Bristol, VT 05433

Directions to subject site:
Site is located on Jerusalem rd in Starksboro. Take a right onto Jerusalem rd off of VT-RT 17. Follow Jerusalem rd to Harlow road on the right, site is first house on the left. Logging operation in question is on left side of Jerusalem rd.

Name of the violator(s), if known:
Nickolas Bissonette

Your name: (Do not fill out if you wish to remain anonymous)
Samantha Morrissey

Your mailing address: (Do not fill out if you wish to remain anonymous)
1006 Jerusalem Rd.

Your phone number: (Do not fill out if you wish to remain anonymous)
8023380838

Your email address: (Do not fill out if you wish to remain anonymous)
slpmorrissey@gmail.com

Document Upload

- 2412-38947 Prelim.pdf (146.28 KB)
- IMG_3174.jpeg (1.42 MB)
- IMG_4162.jpeg (2.23 MB)

2 attachments

2412-38947 Prelim.pdf
147K

Online Environmental Violation Report.eml
8K

Mail Delivery Subsystem <mailer-daemon@googlemail.com> Wed, Dec 11, 2024 at 11:37 AM
To: slpmorrissey@gmail.com

Address not found

Your message wasn't delivered to **tom.debelle@vermont.gov** because the address couldn't be found, or is unable to receive mail.

Exhibit S

The response from the remote server was:

```
550 5.4.1 Recipient address rejected: Access denied. [BL02EPF0001B418.namprd09.prod.outlook.com
2024-12-11T16:37:16.250Z 08DD190E10A1F7CB]
```

Final-Recipient: rfc822; tom.debelle@vermont.gov
Action: failed
Status: 5.4.1
Remote-MTA: dns; vermont-gov.mail.protection.outlook.com. (52.101.9.19, the
server for the domain vermont.gov.)
Diagnostic-Code: smtp; 550 5.4.1 Recipient address rejected: Access denied. [BL02EPF0001B418.namprd09.
prod.outlook.com 2024-12-11T16:37:16.250Z 08DD190E10A1F7CB]
Last-Attempt-Date: Wed, 11 Dec 2024 08:37:16 -0800 (PST)

---------- Forwarded message ----------
From: Samantha Morrissey <slpmorrissey@gmail.com>
To: tom.debelle@vermont.gov
Cc: Christopher Morrissey <cmovermont@gmail.com>
Bcc:
Date: Wed, 11 Dec 2024 11:37:04 -0500
Subject: Morrissey 1006 Jerusalem Rd Well Test Results
----- Message truncated -----

Samantha Morrissey <slpmorrissey@gmail.com> Wed, Dec 11, 2024 at 11:42 AM
To: "tom.debell@vermont.gov" <tom.debell@vermont.gov>
Cc: Christopher Morrissey <cmovermont@gmail.com>

[Quoted text hidden]

---------- Forwarded message ----------
From: ECD Enforcement <ANR.Enforcement@vermont.gov>
To: slpmorrissey@gmail.com
Cc:
Bcc:
Date: Tue, 10 Dec 2024 18:12:23 -0500 (EST)
Subject: Online Environmental Violation Report

ECD Enforcement has received your report. Thank you. We cannot adequately protect Vermont's environment alone and appreciate hearing from you. You may request the incident report when the investigation is complete. To obtain a final copy of a report, please call us at 802-828-1254 or email us at ANR.Enforcement@vermont.gov. ---------- ---------- Submitted Complaint:

Submitted values are:
Date or time period violation first observed:
2023

Date or time period violation last observed:
December 2024

Town where violation occurred:
Bristol

Description of violation:
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Exhibit S

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8K

DeBell, Tom (he/him) <Tom.DeBell@vermont.gov> Wed, Dec 11, 2024 at 12:12 PM
To: Samantha Morrissey <slpmorrissey@gmail.com>
Cc: Christopher Morrissey <cmovermont@gmail.com>

Thanks Samantha,

This information is really helpful for us. I am going to meet with the state toxicologist and risk assessor and follow-up with further guidance.

Exhibit S

Best,

Tom DeBell, M.S (he/him) | Environmental Health Engineer
Environmental Health
Vermont Department of Health
280 State Dr. | Waterbury, Vermont 05671-8350

802-863-7233
tom.debell@vermont.gov

Private Drinking Water Program: 802-489-7339

Do you know what's in your well water?

From: Samantha Morrissey <slpmorrissey@gmail.com>
Sent: Wednesday, December 11, 2024 11:43 AM
To: DeBell, Tom (he/him) <Tom.DeBell@vermont.gov>
Cc: Christopher Morrissey <cmovermont@gmail.com>
Subject: Fwd: Morrissey 1006 Jerusalem Rd Well Test Results

You don't often get email from slpmorrissey@gmail.com. Learn why this is important

EXTERNAL SENDER: Do not open attachments or click on links unless you recognize and trust the sender.

[Quoted text hidden]

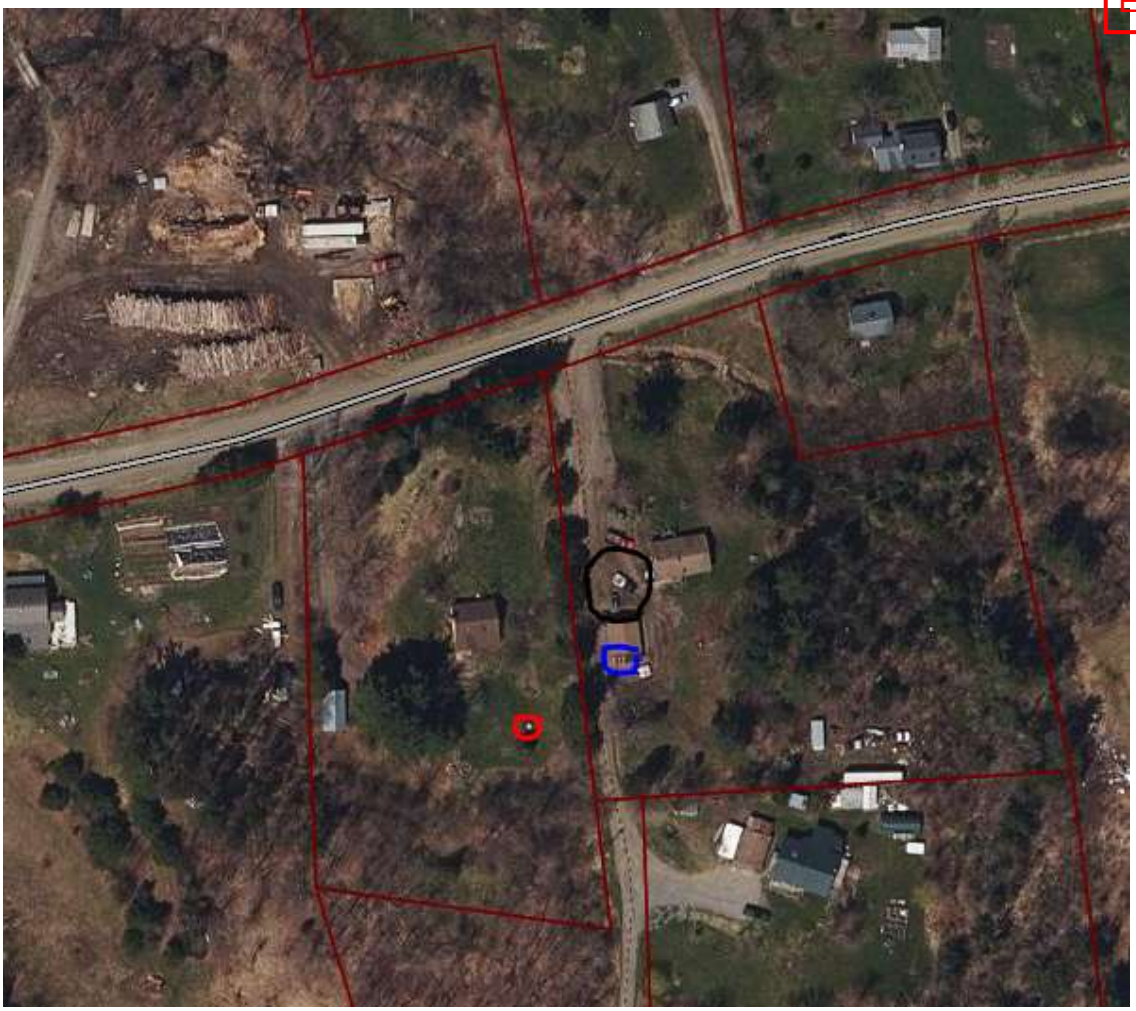
Samantha Morrissey <slpmorrissey@gmail.com> Wed, Dec 11, 2024 at 12:33 PM
To: "DeBell, Tom (he/him)" <Tom.DeBell@vermont.gov>
Cc: Christopher Morrissey <cmovermont@gmail.com>

Thanks Tom, I really appreciate it. To aid in your assessment, I was looking at the ANR Atlas and thought it could be helpful to share a visual. In the picture below you see the wood processing across the street, our property on the left and our neighbor's property on the right. Where I have circled red is our dug well, circled blue is where the gas tanks were located until late spring 2024, and circled in black is where all of the vehicle maintenance, powerwashing, etc. occurs. Up behind our neighbor's house, where you see a scattering of buildings is where he has installed a large, deep pond.

I also have not mentioned yet that this spring he installed a rear deck on his house, at which point a large volume of gravel was brought in to resurface the driveway. Not sure what impact this would have, but any chemicals that would have been on the surface of his driveway at that time are now buried underneath this new gravel.

Thank you!
Samantha

Exhibit S



[Quoted text hidden]

Exhibit S

1-26-25 Sunday log truck idling at 33 Harlow drive 11 am. Banging and maintenance. Decibel level 55-60 peaking 70 with banging.

2-4-25 idled his plow truck for 15+ minutes causing such significant air pollution it could be smelt inside of our house.

2-4-25 wood processing. Noise measurement taken from front porch.

2-4-25 operating excavator and loading wood at 650 pm - 7 pm. Noise measurement taken from front porch.

2-8-25 (Saturday) 730 am logging truck maintenance at 33 Harlow Dr. audio sample taken from inside house theos room at 830-845 consistently above 60

2-24-25 Monday morning, running equipment and loading trucks at 645 am

Unloading log truck 530-600 pm

2-26-25 operating plow truck 545-615 am. Noise measured at 70 decibels

Sat mar 1 2025 operating log truck at 33 Harlow drive 530 pm

Sat mar 3 2025 equipment maintenance at 33 Harlow drive 330 pm

3-5-25 operating equipment, loading firewood at 630 am

3-6-25 performing maintenance on equipment, dump truck, welding etc during a spring thaw event at 33 Harlow drive

3-9-25 Sunday started logging truck at 530 am

3-11-25 equipment (log truck, dump truck, escavator) maintenance at 33 Harlow drive during spring thaw. Moving equipment from log yard to house.

3-15-25 equipment on dump truck late afternoon/evening Saturday, spring thaw, at 33 Harlow Dr

3-16-25 sun equipment maintenance on excavator at 33 Harlow drive 1130 to 1230, driving back and forth to log yard during spring thaw

3-18-25 excavator running at 33 Harlow drive before 8 am. 7 and on.

3-22-25 Sunday operating equipment, turned on noise meter and equipment immediately turned off. Continued from 11 am to late afternoon 4 pm+. Lots of banging, smashing throughout the day.

3-25-25 log truck engine maintenance at 33 Harlow drive

Exhibit S

3-26-25 operating excavator at 545 pm

3-28-25 operating equipment, loading wood at 7 am

3-29-25 driving log truck roads posted

3-30-25 Sunday equipment maintenance late morning to afternoon

04-05-25 Saturday equipment maintenance at 33 Harlow drive. Using heavy machinery, welding, banging etc

4-11-25 loading wood and operating equipment at 6 am

4-27-25 Sunday operating equipment bucket loader at 33 Harlow drive 10 am

5-28-25 idling log truck 33 Harlow drive 730-8 am

9-14-25 welding and machine repair 33 Harlow drive 4 pm Sunday

10/10/25 dump truck idling at 33 Harlow drive 7 am 735 am can smell exhaust in our kitchen

10/20/25 heavy equipment maintenance and operation 33 Harlow drive 6pm

10/21/25 heavy equipment operation before 8 am 730



Exhibit S

Exhibit S

Noise measurement report

Date: 3/5/25, 12:11PM

Operator:

Place:

Measurement results

Measurement time (hh:mm:ss)	00:05:47	
LAeq	62.8	dB
Max. level	82.8	dB
LCpeak	108.7	dB
TWA		dB
Dose		%
Projected dose		%

Notes

Exhibit S

Noise measurement report

Date: 3/23/25, 12:06PM

Operator:

Place: back porch

Measurement results

Measurement time (hh:mm:ss)	00:12:23	
LAeq	62.5	dB
Max. level	80.9	dB
LCpeak	100.7	dB
TWA		dB
Dose		%
Projected dose		%

Notes

Equipment maintainence on a Sunday occurring both at 33 Harlow drive and the log yard. Operating excavator working on wood boxes

Exhibit S

Noise measurement report

Date: 3/23/25, 12:19PM

Operator:

Place:

Measurement results

Measurement time (hh:mm:ss)	00:10:28	
LAeq	64.0	dB
Max. level	87.4	dB
LCpeak	106.2	dB
TWA		dB
Dose		%
Projected dose		%

Notes

Exhibit S

Noise measurement report

Date: 3/23/25, 1:12PM

Operator:

Place:

Measurement results

Measurement time (hh:mm:ss)	00:10:43	
LAeq	64.2	dB
Max. level	93.6	dB
LCpeak	118.7	dB
TWA	44.2	dB
Dose	0.0	%
Projected dose	0.4	%

Notes

Exhibit S

Noise measurement report

Date: 3/26/25, 5:49PM

Operator:

Place:

Measurement results

Measurement time (hh:mm:ss)	00:04:59	
LAeq	63.2	dB
Max. level	80.2	dB
LCpeak	102.8	dB
TWA		dB
Dose		%
Projected dose		%

Notes

Exhibit S

Noise measurement report

Date: 4/3/25, 8:48AM

Operator:

Place:

Measurement results

Measurement time (hh:mm:ss)	00:03:46	
LAeq	71.0	dB
Max. level	84.0	dB
LCpeak	113.6	dB
TWA		dB
Dose		%
Projected dose		%

Notes

Exhibit S

Noise measurement report

Date: 4/5/25, 10:55AM

Operator:

Place:

Measurement results

Measurement time (hh:mm:ss)	00:11:19	
LAeq	65.5	dB
Max. level	87.9	dB
LCpeak	105.9	dB
TWA	40.5	dB
Dose	0.0	%
Projected dose	0.1	%

Notes

Exhibit S

Noise measurement report

Date: 4/11/25, 4:45PM

Operator:

Place:

Measurement results

Measurement time (hh:mm:ss)	00:09:05	
LAeq	63.0	dB
Max. level	85.6	dB
LCpeak	104.3	dB
TWA	28.1	dB
Dose	0.0	%
Projected dose	0.0	%

Notes

Exhibit S

Noise measurement report

Date: 4/22/25, 4:21 PM

Operator:

Place: Ollie’s bench

Measurement results

Measurement time (hh:mm:ss)	00:11:20	
LAeq	71.0	dB
Max. level	92.9	dB
LCpeak	117.3	dB
TWA	49.9	dB
Dose	0.0	%
Projected dose	1.3	%

Notes

Wood processing

Exhibit S

Noise measurement report

Date: 4/23/25, 11:38AM

Operator:

Place:

Measurement results

Measurement time (hh:mm:ss)	00:04:17	
LAeq	66.5	dB
Max. level	93.3	dB
LCpeak	113.6	dB
TWA	42.4	dB
Dose	0.0	%
Projected dose	0.6	%

Notes

Exhibit S

Noise measurement report

Date: 4/28/25, 12:13PM

Operator:

Place:

Measurement results

Measurement time (hh:mm:ss)	00:12:15	
LAeq	62.0	dB
Max. level	73.4	dB
LCpeak	96.6	dB
TWA	33.9	dB
Dose	0.0	%
Projected dose	0.0	%

Notes

Equipment maintenance 33 Harlow drive

Exhibit S

Noise measurement report

Date: 4/28/25, 1:13PM

Operator:

Place:

Measurement results

Measurement time (hh:mm:ss)	00:08:02	
LAeq	63.6	dB
Max. level	87.7	dB
LCpeak	109.4	dB
TWA		dB
Dose		%
Projected dose		%

Notes

Exhibit S

Noise measurement report

Date: 5/28/25, 10:43AM

Operator:

Place: Ollie’s bench

Measurement results

Measurement time (hh:mm:ss)	00:25:41	
LAeq	60.8	dB
Max. level	76.9	dB
LCpeak	93.9	dB
TWA		dB
Dose		%
Projected dose		%

Notes

Wood Processing

Exhibit S

Noise measurement report

Date: 5/29/25, 8:48AM

Operator:

Place:

Measurement results

Measurement time (hh:mm:ss)	00:17:20	
LAeq	57.5	dB
Max. level	70.1	dB
LCpeak	96.9	dB
TWA		dB
Dose		%
Projected dose		%

Notes

Exhibit S

Noise measurement report

Date: 6/4/25, 2:16PM

Operator:

Place:

Measurement results

Measurement time (hh:mm:ss)	00:04:05	
LAeq	65.5	dB
Max. level	79.2	dB
LCpeak	102.9	dB
TWA		dB
Dose		%
Projected dose		%

Notes

Exhibit S

Noise measurement report

Date: 7/1/25, 11:32AM

Operator:

Place:

Measurement results

Measurement time (hh:mm:ss)	00:15:57	
LAeq	61.9	dB
Max. level	74.6	dB
LCpeak	97.7	dB
TWA		dB
Dose		%
Projected dose		%

Notes

Exhibit S

Noise measurement report

Date: 7/1/25, 2:57PM

Operator:

Place:

Measurement results

Measurement time (hh:mm:ss)	00:11:36	
LAeq	63.0	dB
Max. level	78.8	dB
LCpeak	99.8	dB
TWA		dB
Dose		%
Projected dose		%

Notes