TRC

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September 8, 2026

Mr. Chris Littlefield
Town Manager
Town of Hartland
P.O. Box 280
21 Elm Street
Hartland, ME 04943
207-938-4401

Sent via Email

Subject: **Hartland Secure Landfill, Hartland, Maine**
July 29-30, 2026 Air Sampling Results

Dear Mr. Littlefield:

At your request, TRC performed air sampling at the landfill from July 29-30, 2026. Samples were collected from four (4) locations around the landfill including locations at the north, south, and east ends of the landfill and at the entrance to Cal's Way. Sample locations are shown in the figure below.

TRC conducted 12-hour air sampling which included collection of samples into Suma Canisters for laboratory analysis. Sampling began on the afternoon of July 29th and were collected in the early morning hours of July 30th to provide representative overnight conditions. The samples were tested in accordance with EPA Air Method, Toxic Organics - 15 (TO-15): Determination of Volatile Organic Compounds (VOCs) in Air Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS).

The following gases were detected in the samples; 2-Butanone (AKA Methyl ethyl ketone), Dichlorodifluoromethane, Chloromethane (AKA Methyl Chloride), Acetone, Trichlorofluoromethane (AKA Freon-11), Carbon disulfide, and Pentane. The concentration measured in each sample is compared to the Chronic Ambient Air Guideline for each in the table below, where one exists. Chronic values assume continuous exposure; therefore this approach is considered conservative.

As you will see from the table, the concentrations measured around the site, at the source, are far below the health- based levels established for use within the surrounding neighborhood.

	South Sample	North Sample	East Sample	Entrance Sample	Ambient Air Guidelines
2-Butanone (Methyl Ethyl Ketone)	1.41 ppb J	0.689 ppb J	0.597 ppb J	0.505ppb J	1,690 ppb
Dichlorodifluoromethane	0.581 ppb J	0.504 ppb J	0.506 ppb J	0.505 ppb J	20.2 ppb
Chloromethane (Methyl Chloride)	ND	0.400 ppb J	ND	ND	43.5 ppb
Acetone	9.39 ppb	5.42 ppb	5.54 ppb	4.12 ppb J	NG
Trichlorofluoromethane (Freon-11)	0.306 ppb J	0.317 ppb	0.312 ppb J	0.232 ppb J	NG
Carbon disulfide	6.61 ppb	ND	ND	4.47 ppb	224 ppb
Pentane	1.29 ppb	ND	ND	ND	NG

ND= non-detect
J= Estimated value, value between the detection limit and reporting limit
NG= No AAG exists

Ambient Air Guidelines are health-based numbers established by toxicologists at the Environmental and Occupational Health Program, Center for Disease Control and Prevention at the Maine Department of Human Services and are intended for use in residential settings. Based on the language within the Chronic Ambient Air Guidelines Document, dated 6/3/2026, and presented on Maine DEP's Website, "The AAGs are derived to be protective for effects due to

chronic exposure ("chronic" refers to long-term exposure), assuming a resident may be exposed to air 24 hours a day, 365 days per year for 70 years; therefore, these guidelines are most appropriately compared with long-term average ambient air measurements (e.g., annual averages)."

Please reach out with any remaining questions or concerns.

Sincerely,

Amanda S Wade

Amanda S Wade, PE
Solid Waste Program Manager