

St. Johnsbury State Offices - Indoor Air Sampling Results

	Building 2		Building 1				Building 3		Ambient Air (2015)**			WASL
	IAS-1	IAS-2	IAS-3	IAS-4	IAS-5	IAS-6	IAS-7	IAS-8	Underhill	Burlington	Rutland	
PCE	1.3	25	0.81	0.88	0.78	0.50	0.33	0.16	0.02	0.07	0.12	4.1
TCE	0.10	2.9	26	0.12	0.087	<0.054	<0.054	<0.054	--	0.00107	--	0.56
Chloroform	0.20	0.25	0.39	0.28	0.21	0.18	0.16	0.19	0.085	0.115	0.0119	0.284

All units in $\mu\text{g}/\text{m}^3$

WASL = Worker Air Screening Level*

= exceeds WASL

*The VDH risk based worker indoor air concentrations were generated by combining current toxicity values (e.g. inhalation reference concentrations and inhalation unit risks) with a hypothetical worker exposure scenario using standard point estimate risk assessment procedures to derive an estimate of the concentration of each individual chemical in air that corresponds to a fixed level of risk i.e., a Hazard Quotient of 0.1 for noncarcinogenic (systemic) effects or an incremental lifetime carcinogenic risk of one in one million. Considering current local work practices, a hypothetical Worker was assumed to be on-site 12.5 hours each work day, 250 days per years for 30 years. A 70 year lifetime was assumed.

**Ambient air values represent annual mean concentrations of the pollutants found in ambient, outdoor air in 2015.