

Client: Prism Analytical Technologies  
2625 Denison Drive  
Mt. Pleasant, MI 48858

**COC: 6000**  
**Laboratory ID: 6000-8**

Sampled By:  
Project: Facility Name/Dates/Project Quote #  
Location: Facility City/State  
Project Dates,

Received Date: 10/21/2020  
Approved Date: 10/21/2020  
Scanned Date: 10/22/2020  
Report Date: 10/25/2020

Client Sample ID: LEED  
Volume: 45.2 L  
Date Sampled: 10/19/2020  
Sample Type: TDT 112J  
Sample Condition:

**A2-GSS Select TDT Analysis**

The VOCs in this report are set by the US Green Building Council LEED version 4.

Indoor Environmental Quality Credit for Indoor Air Quality Assessment - Air Testing

Analysis performed with methods US EPA TO-17 and ISO 16000-6 (with relevant modifications). See page 3 for relevant definitions and descriptions

*Note: Target VOCs that exceed the maximum allowable concentration are indicated by an "x" before the compound name and concentration values displayed using bold text.*

Compound	Sample Concentration µg/m <sup>3</sup>	Reporting Limit µg/m <sup>3</sup>	Max Allowable Concentration µg/m <sup>3</sup>	Additional Information
Total VOCs (TVOC)	< 200	200	500	Total volatile organic compounds determined from Hexane (C6) to Hexadecane (C16). Based on ISO 16000-6 section 11.3.

LEED Target VOCs		Sample Concentration		Reporting Limit	Max Allowable Concentration	Additional Information
Compound	CAS	µg/m <sup>3</sup>	ppb	µg/m <sup>3</sup>	µg/m <sup>3</sup>	
Acetaldehyde	75-07-0	1.0	0.6	0.2	140	Determined semi-quantitatively
Benzene	71-43-2	2.5	0.8	0.1	3	
Carbon Disulfide	75-15-0	0.04	0.01	0.02	800	
Carbon Tetrachloride	56-23-5	1.3	0.2	0.1	40	
Chlorobenzene	108-90-7	< 0.1	< 0.02	0.1	1000	
Chloroform	67-66-3	0.9	0.2	0.1	300	
1,4-Dichlorobenzene	106-46-7	2.3	0.4	0.1	800	
1,1-Dichloroethene	75-35-4	0.5	0.1	0.1	70	
N,Ndimethylformamide	68-12-2	< 0.2	< 0.07	0.2	80	
1,4-Dioxane	123-91-1	0.8	0.2	0.1	3000	
Epichlorhydrin	106-89-8	< 0.1	< 0.03	0.1	3	

LEED Target VOCs			Sample Concentration		Reporting Limit	Max Allowable Concentration	Additional Information
	Compound	CAS	µg/m <sup>3</sup>	ppb	µg/m <sup>3</sup>	µg/m <sup>3</sup>	
2-Ethoxyethanol	110-80-5	1.3	0.3	0.2	70		
2-Ethoxyethyl Acetate	111-15-9	1.2	0.2	0.1	300		
Ethylbenzene	100-41-4	2.6	0.6	0.1	2000		
Ethylene Glycol	107-21-1	5.0	1.9	0.2	400	Determined semi-quantitatively	
Hexane (C 6)	110-54-3	11	3.0	0.1	7000		
Isophorone	78-59-1	< 0.1	< 0.02	0.1	2000		
Isopropanol	67-63-0	15	6.0	0.2	7000		
Methoxy-2-propanol	107-98-2	1.4	0.4	0.2	7000	PGME; Determined semi-quantitatively	
2-Methoxyethanol	109-86-4	< 0.1	< 0.03	0.1	60		
2-Methoxyethyl Acetate	110-49-6	< 0.1	< 0.02	0.1	90		
Methyl Tertiary Butyl Ether	1634-04-4	8.1	2.2	0.1	8000	MTBE	
Methylene Chloride	75-09-2	2.0	0.6	0.1	400		
Naphthalene	91-20-3	5.0	0.9	0.1	9		
Phenol	108-95-2	2.0	0.5	0.2	200		
Styrene	100-42-5	2.4	0.6	0.1	900		
Tetrachloroethene	127-18-4	2.0	0.3	0.1	35		
Toluene	108-88-3	15	3.9	0.1	300		
1,1,1-Trichloroethane	71-55-6	< 0.1	< 0.02	0.1	1000		
Trichloroethene	79-01-6	0.2	0.03	0.1	600		
Vinylacetate	108-05-4	< 0.2	< 0.06	0.2	200	Determined semi-quantitatively	
m,p-Xylene	108-38-3; 106-42-3	5.2	1.2	0.2	467		
o-Xylene	95-47-6	1.9	0.4	0.1	233		

These results pertain only to this sample as it was collected and to the items reported.  
 These results have been reviewed and approved by the Laboratory Director or authorized representative.



Alice E. Delia, Ph.D., Laboratory Director

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 Mt. Pleasant, MI 48858  
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## **LEED v4 Indoor Environmental Quality - Indoor Air Quality Assessment**

### ***Air Testing***

*After construction ends and before occupancy, but under ventilation conditions typical for occupancy, conduct baseline IAQ testing using protocols consistent with the methods listed in Table 1 for all occupied spaces.*

*Conduct all measurements before occupancy but during normal occupied hours, with the building ventilation system started at the normal daily start time and operated at the minimum outdoor airflow rate for the occupied mode throughout the test.*

For more information refer to the [US Green Building Council Indoor Air Quality Assessment Credit](#).

### **Chemicals of Concern**

The Target VOCs are from CDPH Standard Method v1.1, Table 4-1 (Target CREL VOCs and their maximum allowable concentrations) which includes VOCs emitted by products appearing on the State of California lists of toxic substances. These VOCs are known or probable human carcinogens, reproductive or developmental toxins, and systemic toxins with noncancer chronic effects

For more information refer to the [California OEHHA Chronic Reference Exposure Levels \(CRELs\)](#).