

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 LEED v4.1 TDT Analysis

The VOCs in this report are set by the US Green Building Council LEED version 4.1. The same requirements apply for Building Design and Construction and Interior Design and Construction EQ Credit: Indoor Air Quality Assessment

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

Note: If the TVOC levels exceed 500 µg/m³, investigate for potential issues by comparing the individual VOC levels from the results to associated cognizant authority health-based limits. Correct any identified issues.

Compound	Sample Concentration µg/m ³	Reporting Limit µg/m ³	Max Allowable Concentration µg/m ³	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.

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.

LEED 4.1 Target VOCs		Sample Concentration µg/m ³	Reporting Limit ppb	Reporting Limit µg/m ³	Max Allowable Concentration µg/m ³	Additional Information
Compound	CAS					
Benzene	71-43-2	2.5	0.8	0.1	3	
1,4-Dichlorobenzene	106-46-7	2.3	0.4	0.1	800	
Hexane (C 6)	110-54-3	11	3.0	0.1	7000	
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	

LEED 4.1 Target VOCs		Sample Concentration		Reporting Limit	Max Allowable Concentration	Additional Information
Compound	CAS	µg/m ³	ppb	µg/m ³	µg/m ³	
Toluene	108-88-3	15	3.9	0.1	300	
Vinylacetate	108-05-4	< 0.2	< 0.06	0.2	200	
m,p-Xylene	108-38-3; 106-42-3	5.2	1.2	0.2	466.6	
o-Xylene	95-47-6	1.9	0.4	0.1	233.3	

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 v4.1 Environmental Quality (EQ) - Indoor Air Quality Assessment

Air Testing (Option 2)

After construction ends and before occupancy, but under ventilation conditions typical for occupancy, conduct baseline IAQ testing using protocols in occupied spaces.

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

Chemicals of Concern

The Target VOCs are from CDPH Standard Method v1.2, 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

[CDPH Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers v1.2 \(2017\)](#)

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