

Client: Prism Analytical Technologies

**COC: 6010**  
**Laboratory ID: 6010-3**

Sampled By: Alex Carter  
Project: J Cantrell 2258  
Location: 485 W. Maple Ave.  
Boston, MA 25478

Received Date: 04/02/2020  
Approved Date: 04/02/2020  
Scanned Date: 04/03/2020  
Report Date: 04/11/2020

Client Sample ID: Bedroom  
Volume: 12 L  
Date Sampled: 03/31/2020  
Sample Type: TDT 181J

**HSMS TDT Air Scan™ Analysis**

Applicable methods for this analytical technique include (with relevant modifications) NIOSH 2549 and ISO 16000-6. A scan was made for all compounds contained in the Air Survey Analysis List (TB503, Quantitative and Semiquantitative List). All compounds detected are listed below.

Compound	Sample Concentration	Reporting Limit	Additional Information
	ng/L	ng/L	
Total VOCs	320	200	Total volatile organic compounds calculated based on internal standard ratio; does not include C1, C2, or methanol.

Compound	Sample Concentration	Additional Information
	%	
Paint-Range VOCs	25	This is an estimate of the fraction of Total VOCs represented by the sum of compounds typically associated with latex paints, lacquers, enamels, varnishes, sealers, thinners, and polyurethane finishes.

**Quantitative Results**

Compound	CAS	Sample Concentration		Reporting Limit	Additional Information
		ng/L	ppb	ng/L	
Methylene Chloride	75-09-2	2.7	0.8	0.4	
Benzene	71-43-2	6.0	1.8	0.4	
1,2-Dichloroethane	107-06-2	3.0	0.7	0.4	
Toluene	108-88-3	230	59	0.4	J*
Tetrachloroethene	127-18-4	1.9	0.3	0.4	
Ethylbenzene	100-41-4	12	2.7	0.4	
m,p-Xylene	108-38-3; 106-42-3	21	4.8	0.8	

**Quantitative Results**

Compound	CAS	Sample Concentration		Reporting Limit	Additional Information
		ng/L	ppb	ng/L	
o-Xylene	95-47-6	14	3.2	0.4	
Styrene	100-42-5	2.5	0.6	0.4	
n-Propylbenzene	103-65-1	2.3	0.5	0.4	
1,3,5-Trimethylbenzene	108-67-8	3.2	0.6	0.4	
1,2,4-Trimethylbenzene	95-63-6	12	2.4	0.4	
p-Isopropyltoluene	99-87-6	3.0	0.5	0.4	
Naphthalene	91-20-3	1.5	0.3	0.8	

**Compound Notes**

J\* The accuracy of this determination may be degraded because the reported value exceeded the calibrated range by more than a factor of 10.

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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