



FIELD SAMPLING TEST REPORT	
Customer Information	UL ENVIRONMENT INC. caresults@ul.com 2211 Newmarket Parkway Suite 106 Marietta GA 30067
HB Project Number	2009049NY
Date Received	October 13, 2020
Testing Laboratory Location	UL Environment - Marietta, 2211 Newmarket Parkway, Marietta, GA 30067-9399 USA
Authorized by	 Allyson M. McFry Chemistry Laboratory Director
<p>Reported data were obtained from samples and sampling information as provided by the on-site investigator. These data and general information are provided to assist the investigator in an overall IAQ assessment. UL Environment employees did not collect samples nor visit the site where samples were collected. Interpretation of data is left to the client or persons who conducted the field work.</p> <p>Sources of additional information are also available from:</p> <ol style="list-style-type: none">1. Molhave, L., "Volatile Organic Compounds, Indoor Air Quality and Health," The 5th International Conference on Indoor Air Quality and Climate, Toronto, Canada, 1990.2. State of California Air Resources Board, Indoor Air Quality Guideline for Formaldehyde in the Home, August, 2004. http://www.arb.ca.gov/research/indoor/formaldGL08-04.pdf3. Morey, P. R., Horner, W. E., Epstien, B. L., Worthan, A. G., and Black, M. S. (2000). Indoor Air Quality in Nonindustrial Occupational Environments, in R.L. Harris (Ed.) <u>Patty's Industrial Hygiene</u> (5th ed., pp. 3149-3241). John Wiley & Sons.	

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Date Prepared: October 23, 2020
Product #: 1001053392-3387945
Report #: 1001053392-3387945R1
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Supersedes Report #: 1001053392-3387945

UL ID:	FLD01 (V)
Sample Date:	October 9, 2020
Volume (L):	17.3

CONCENTRATIONS OF TOTAL AND INDIVIDUAL VOLATILE ORGANIC COMPOUNDS

Sample Location/Description		Burn_06_LR_Hall_Pre	
Total Volatile Organic Compounds		872 µg/m³	
CAS Number	Compound	Concentration	
		µg/m³	ppb
71-43-2	Benzene	2.3	0.7
100-41-4	Benzene, ethyl	BQL	BQL
108-88-3	Toluene (Methylbenzene)	6.1	1.6
1330-20-7	Xylenes (Total)	BQL	BQL

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UL ID:	FLD01F (V)
Sample Date:	October 9, 2020
Volume (L):	18.0

CONCENTRATIONS OF TOTAL AND INDIVIDUAL VOLATILE ORGANIC COMPOUNDS

Sample Location/Description		Burn_06_LR_Hall_Field Blank	
Total Volatile Organic Compounds		BQL	
CAS Number	Compound	Concentration	
		µg/m³	ppb
71-43-2	Benzene	BQL	BQL
100-41-4	Benzene, ethyl	BQL	BQL
108-88-3	Toluene (Methylbenzene)	BQL	BQL
1330-20-7	Xylenes (Total)	BQL	BQL

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UL ID:	FLD02 (V)
Sample Date:	October 9, 2020
Volume (L):	17.3

CONCENTRATIONS OF TOTAL AND INDIVIDUAL VOLATILE ORGANIC COMPOUNDS

Sample Location/Description		Burn_06_LR_Hall_Post	
Total Volatile Organic Compounds		79.3 µg/m³	
CAS Number	Compound	Concentration	
		µg/m³	ppb
71-43-2	Benzene	22.9	7.2
100-41-4	Benzene, ethyl	BQL	BQL
108-88-3	Toluene (Methylbenzene)	4.5	1.2
1330-20-7	Xylenes (Total)	BQL	BQL

VOC samples analyzed by thermal desorption/mass spectrometry according to UL Environment Method 55-CH-W0866 (based on USEPA Compendium Method TO-17 and ASTM 6196).

Individual compounds and TVOC (total volatile organic compounds) are calibrated relative to toluene.

UL Environment's quality assurance program monitors blank sorbent media to ensure that the residual background does not exceed UL Environment's quality objective of ≤ 36 ng of total VOC.

*Indicates best NIST/EPA/NIH library match only.

BQL denotes below quantifiable level of 2 µg/m³ (instrument calibration using authentic standard).

Field Blanks: Reported concentrations based on 18.0 L of volume sampled for VOCs. Actual field blanks are not intended to have a measurable amount of air sampled.

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Project # 2009049NY



1001053392-3387945

ACTIVE CHEMICAL SAMPLING CHAIN OF CUSTODY								
Company: ULVS (Healthy Buildings)			Contact: CARESULTS@UL.COM			Project/P.O./Job Number: 2009049NY		
Address: 3251 Old Lee Highway #100 Fairfax, VA 22030			Phone: 571.655.7919 Fax: 703.323.4440			Sample Date: 09-10 OCT 2020 Investigator: SAM.HORNER		
Please check the appropriate fields; Use separate COC for each sample method.	VOLATILE ORGANICS: IVOC SCAN: <input type="checkbox"/> TOP 20 IVOC <input type="checkbox"/> TVOC ONLY <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> B.T.E.X.							
	ALDEHYDE SCAN: <input type="checkbox"/> FORMALDEHYDE ONLY <input type="checkbox"/>				ANALYSIS: LEED V4 <input type="checkbox"/> LEED V4.1 <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> B.T.E.X.			
	TAT: Standard <input checked="" type="checkbox"/> Next Day Rush* <input type="checkbox"/> * Rush charges apply; please call in advance to confirm availability							
Comments:								
UL ID	SAMPLE ID/ TUBE ID	SAMPLE LOCATION/ DESCRIPTION	START TIME	STOP TIME	TIME SAMPLED (MIN)	PUMP ID #	FLOW RATE (L/MIN)	VOLUME (L)
101	2009049NY-06A/ s/n B26945	Burn_06_LR_Hall_Pre	09OCT 17:40	09OCT 18:40	60	4257	0.288 L	17.26 L
102	2009049NY-06B/ s/n B27006	Burn_06_LR_Hall_Post	10OCT 12:15	10OCT 13:15	60	4257	0.288 L	17.29 L
101F	2009049NY-06C/ s/n B26978	Burn_06_LR_Hall_Field Blank						n/a
Released By: SAM.HORNER (Print/Sign)		Date/Time: 12OCT2020		Method of Shipment: UPS Next Da				
Received By: <i>[Signature]</i>		Date/Time: 10/13/20 10:30 AM		Sample Condition: Acceptable				
				<div>3387945</div> <div>Description: 2009049NY</div> <div>3387945</div>				
Customer: UL Environment Inc. Received Date: 2020-OCT-14 09:05:17 AM Aurora Project No.: 1001053392 Order No.: Oracle Project No.:								

1 of 4

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