

FIELD SAMPLING TEST REPORT		
Customer Information Customer Information Customer Information 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	

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.

Sources of additional information are also available from:

- 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.pdf
- 3. 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 #: 1001053392-3387944
Report #: 1001053392-3387944R1

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UL ID:	FLD01 (V)
Sample Date:	October 10, 2020
Volume (L):	17.8

Sample Location/Description	BURN_05_BR_04_1Day_AM
Total Volatile Organic Compounds	456 μg/m³

CAS	Concentration		ntration
Number	o simpound	μg/m³	ppb
71-43-2	Benzene	8.8	2.8
100-41-4	Benzene, ethyl	4.5	1.0
108-88-3	Toluene (Methylbenzene)	9.1	2.4
1330-20-7	Xylenes (Total)	7.5	1.7

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UL ID:	FLD01F (V)
Sample Date:	October 10, 2020
Volume (L):	18.0

Sample Location/Description	BURN_05_BR_04_1Day_Field Blank
Total Volatile Organic Compounds	BQL

CAS	Compound		ntration
Number	33	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 10, 2020
Volume (L):	17.8

Sample Location/Description	BURN05_BR_04_1Day _PM
Total Volatile Organic Compounds	706 μg/m³

CAS	Compound	Concentration	
Number	Compound	μg/m³	ppb
71-43-2	Benzene	13.3	4.2
100-41-4	Benzene, ethyl	9.2	2.1
108-88-3	Toluene (Methylbenzene)	14.6	3.9
1330-20-7	Xylenes (Total)	12.5	2.9

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UL ID:	FLD03 (V)
Sample Date:	October 10, 2020
Volume (L):	17.7

Sample Location/Description	BURN_05_BR_04_1Day_60 min
Total Volatile Organic Compounds	550 μg/m³

CAS Number	Compound	Concentration		
	- Compound	μg/m³	ppb	
71-43-2	Benzene	8.8	2.7	
100-41-4	Benzene, ethyl	5.9	1.3	
108-88-3	Toluene (Methylbenzene)	8.4	2.2	
1330-20-7	Xylenes (Total)	8.2	1.9	

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 \leq 36 ng of total VOC.

BQL denotes below quantifiable level of 2 $\mu g/m^3$ (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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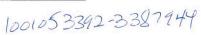
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^{*}Indicates best NIST/EPA/NIH library match only.

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Project #_ 2009049NY





Company: ULVS (Healthy Buildings)			CTIVE CHEMICAL SAMPLING CHAIN OF CUSTO Contact: CARESULTS@UL.COM				Project/P.O./Job Number:				
							20090				
Address: 3251 Old Lee Highway #100 Fairfax, VA 22030		way #100	Phone: 571.655.7919 Fax: 703.323.4440				Sample Date: Investigator:		10OCT2020 SAM.HORNER		
ase check the		ORGANICS: IVOC SCAN: TOP 20 IVOC TVOC ONLY OTHERB						B.T.E.X.			
separate COO each sample	C ALDEHYDE S	SCAN: FO	ANALYSIS: LEED V4 LEED V4.1 OTHER _B.T.E.X.								
method.		TAT: Standard X Next Day Rush* * Rush charges apply; please call in advance to confirm availability									
ments:											
L ID	SAMPLE ID/ TUBE ID		LOCATION/ RIPTION	START TIME	STOP TIME	TIN SAMF (MI	LED	PUMP ID	FLOW RATE (L/MIN)	VOLUME (L)	
	009049NY-05D/ n B26582		_04_1Day_AM	09:30	13:30	24	0	2018	0.074 L	17.84 L	
	009049NY-05E/ n B26892	Burn_05_BF	R_04_1Day_PM	13:45	17:45	24	240 2018		0.074 L	17.84 L	
	:009049NY-05F/ /n B26514	Burn_05_BR min	_04_1Day_60	14:31	15:31	24	0	2018	0.295 L	17.71 L	
	009049NY-05G/ /n B26102	Burn_05_BR Field Blank	_04_1Day_							n/a	
						_ 3	3387944 ###################################				
						1000				3387944	
Received By: SAM.HORNER Print/Sign) Received By: Date/Time: 1200 Date/Time: 1200		Г2020	Method of Shipment: UPS Next Day A			19043111					
		, ,	120 N. 30 Al	1223X3040198642573 Sample Condition ALCEPTABLE			Customer: UL Environment Inc. Received Date: Aurora Project No.: 100105339; Order No.: 2020-0CT-14 09:05:17 AM Oracle Project No.:				
(Sign)	Bondo	Date/Time:	20 N30A)	1Z23X3040	198642573	Cu	ceived	Date:	Aurora Pro	je	

Date Prepared: Product #:

October 23, 2020 1001053392-3387944 1001053392-3387944R1

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