

BUZZISPACE TEST REPORT

SCOPE OF WORK Standard Method Version 1.2 for CDPH 01350 on BuzziPicNic

REPORT NUMBER 103904378GRR-001

ISSUE DATE 30-April-2019

PAGES 16

DOCUMENT CONTROL NUMBER Per GFT-OP-10 (6-March-2017) © 2019 INTERTEK



intertek

Total Quality. Assured.

TEST REPORT FOR BUZZISPACE INC.

Report No.: 103904378GRR-001 Date: 30-April-2019 P.O.: NA

SECTION 1

CLIENT INFORMATION

Attention:Astrid de ChaffoyBuzziSpace Inc.1200 Redding Dr.High Point, NC 27263Phone:33-490-408022Email:astrid.dechaffoy@bussi.space

4700 Broadmoor Ave SE, Suite 200 Kentwood, MI 49512

 Telephone:
 +1 616 656 7401

 Facsimile:
 +1 616 656 2022

 www.intertek.com

Amanda Tongen Project Engineer

Jesse Ondersma, Ph.D. Project Reviewer

This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

SECTION 2

SUMMARY AND CONCLUSION

Test Method:	Standard Method Version 1.2 for CDPH 01350
	ANSI/BIFMA M7.1-2011(r-2016)
Modeling Scenario:	Open office (OO), Private office (PO), and school classroom
	(SC)
Method Deviations:	Testing performed without deviation unless noted below.

DESCRIPTION OF SAMPLES

Manufacturer / Location	Boerboom / Bergeijk, The Netherlands
Product Name	BuzziPicNic
Product Number	BuzziPicNic
Date of Manufacture	29-March-2019
Date of Collection	04-April-2019
Date of Shipment	04-April-2019
Date Received by Lab	08-April-2019
Date of Test Start and Duration	09-April-2019 / 168 Hours
As Received Sample Condition	Good Condition
Lab Sample ID	GRR1904080019

WORK REQUESTED/APPLICABLE DOCUMENTS

VOC Emissions Analysis:	CDPH Standard Method v1.2
	ANSI/BIFMA M7.1-2011(r-2016)
Intertek Quote:	Qu-00958329

TEST RESULTS

MODELING SCENARIO	RESULT (PASS/FAIL)	TVOC (mg m ⁻³)
Open Office (OO)	PASS	0.2
Private Office (PO)	PASS	0.1
School Classroom (SC)	PASS	0.1

ACCEPTANCE CRITERIA	DISPOSITION (PASS/FAIL)
ANSI/BIFMA e3-2019 Section 7.6.1	PASS (PRIVATE OFFICE ONLY)
ANSI/BIFMA e3-2019 Section 7.6.2	PASS
ANSI/BIFMA e3-2019 Section 7.6.3	PASS

SAMPLE DISPOSITION

At the completion of testing, samples were disposed of in a routine manner.

SECTION 3

CDPH STANDARD METHOD V1.2

Date Received:	08-April-2019
Dates Tested:	09-April-2019 to 16-April-2019

DESCRIPTION OF SAMPLES:

Part Description:	BuzziPicNic Table
Material Submitted:	One (1) Ash Worksurface

ACCEPTANCE CRITERIA:

Referencing:	CDPH Standard Method v1.2, Table 4.1
	ANSI/BIFMA e3-2019 Sections 7.6.1, 7.6.2, and 7.6.3
	LEED v4 - Low Emitting Materials
LEED v4 - TVOC Ranges:	≤ 0.5 mg m ⁻³
	0.5 to 5.0 mg m ⁻³
	≥ 5.0 mg m ⁻³

TEST NOTES OR DEVIATIONS:

Testing performed without deviation unless noted below.

TEST SUMMARY:

The emissions testing was performed according to ANSI/BIFMA M7.1-2011(r-2016) "Standard Test Method for Determining VOC Emissions from Office Furniture Systems, Components and Seating". The sample was cut on two sides, and the cut edges were taped with aluminized tape. The sample was placed in the testing chamber for 7 days. A photograph of the tested sample is included herein. Air samples were collected prior to the sample being placed in the chamber (0 hours), at 72 hours, and at 168 hours after initiating the test. The 72 h and the 168 h air samples were collected in duplicate. Samples analyzed for individual VOCs and TVOC were collected on multi-sorbent tubes containing glass wool, Tenax TA 35/60 and Carbograph 5 TD 40/60. These VOC samples were analyzed by thermal desorption-gas chromatography/mass-spectrometry, TD-GC/MS. TVOC_{Toluene} represents the total of all identified and unidentified VOCs between n-C6 and n-C16 as measured by the GC/MS TIC method and expressed as a toluene equivalent value as defined in ANSI/BIFMA M7.1-2011(r-2016). Individual VOCs were calculated using calibration curves based on pure standards. Samples analyzed for low molecular weight aldehydes were collected on tubes treated with 2,4-di-nitrophenylhydrazine (DNPH). Low molecular weight aldehydes were analyzed using high performance liquid chromatography, HPLC. Total aldehydes were calculated as the sum of individual aldehyde concentrations as determined by HPLC and/or GC/MS.

RESULTS:

Table 1: Sample and Chamber Conditions during Test Period

PARA	METER	SYMBOL	VALUE	UNITS
Comple	Length	-	0.193	m
Dimonsions	Width	-	0.195	m
DIMENSIONS	Thickness	-	0.035	m
Exposed Sample	Surface Area	A	0.089	m²
Chamber Volume	9	V	0.116	m ³
Chamber Loading	g Factor	L	0.77	$m^{2} m^{-3}$
Inlet Air Flow Rat	te	Q	0.116	m ³ h ⁻¹
Air Change Rate		N _{ACH}	1.00	h ⁻¹
Area Specific Flov	w Rate	$q_{\scriptscriptstyle A}$	1.303	m h ^{−1}
Chamber Pressur	re (Range)	Р	16.8 (11.4-22.3)	Ра
Average Tempera	ature (Range)	Т	22.4 (22.2-23.5)	°C
Average Humidit	y (Range)	RH	49.9 (47.3-51.5)	% RH
Testing Duration		t	336	h

Table 2: Test chamber background VOC concentrations in $\mu g \ m^{-3}.$

COMPOUND	CAS No.	Cio
Formaldehyde	50-00-0	1.9
TVOC	-	6.8

Table 3: Test chamber TVOC and formaldehyde concentrations in $\mu g m^{-3}$.

COMPOUND	CAS No.	72 H	168 H
Formaldehyde	50-00-0	1.3	< 1.0
ТVОС	-	476	379

Table 4: Test chamber TVOC and formaldehyde emission factors in $\mu g m^{-2} h^{-1}$.

COMPOUND	CAS No.	72 H	168 H
Formaldehyde	50-00-0	1.7	< 1.3
TVOC	-	620	494

Table 5: Summary and Pass/Fail Criteria based on the VOC emission factors (EF) at 168 h for individualfurniture components in ANSI/BIFMA e3-2019, section 7.6.1.

	ACCEPTANO	CE CRITERIA		PASS/FAIL		
CHEMICAL NAME	OPEN PLAN*	DPEN PLAN* PRIVATE EFs OFFICE*		OPEN PLAN	PRIVATE OFFICE	
Formaldehyde (μg/m ² h)	≤ 42.3	≤85.1	< 1.3	Pass	Pass	
TVOC (μg/m²h)	≤ 345	≤ 694	494	Fail	Pass	
Total Aldehyde (μmol/m²h)	≤ 2.8	≤ 5.7	< 0.1	Pass	Pass	
4-phenylcyclohexene (μg/m ² h)	≤ 4.5	≤ 9.0	< 0.3	Pass	Pass	

*As defined in ANSI/BIFMA M7.1-2011(r-2016).

Table 6: Summary and Pass/Fail Criteria based on the VOC emission factor (EF) at 336 hours for individual furniture components in ANSI/BIFMA e3-2019, section 7.6.2. Only detected VOCs with acceptance criteria are listed.

	ACCEPTANCE CRITERIA (µg/m²h)		CALCULATED	PASS/FAIL	
	OPEN PLAN*	PRIVATE OFFICE*	μg/m²h)	OPEN PLAN	PRIVATE OFFICE
Formaldehyde	≤11	≤ 23	< 1.3	Pass	Pass
2-Propanol, 1- methoxy-	≤ 2413	≤ 4874	2	Pass	Pass
Toluene	≤ 103	≤ 209	1	Pass	Pass
Formamide, N,N- dimethyl-	≤ 28	≤ 56	4	Pass	Pass
Ethylbenzene	≤ 689	≤ 1392	23	Pass	Pass
Xylenes (m, o, & p combined)	≤ 241	≤ 487	116	Pass	Pass
Phenol	≤ 68.9	≤ 139	1.9	Pass	Pass

*As defined in ANSI/BIFMA M7.1-2011(r-2016).

Table 7: Summary and Pass/Fail Criteria based on the VOC emission factor at 336 hours for individual furniture components in ANSI/BIFMA e3-2019, section 7.6.3.

	ACCEPTANC (μg/	CE CRITERIA m²h)		PASS/FAIL	
CHEMICAL NAME	OPEN PLAN*	PRIVATE OFFICE*	μg/m²h)	OPEN PLAN	PRIVATE OFFICE
Formaldehyde	≤ 6.2	≤ 12.5	< 1.3	Pass	Pass

*As defined in ANSI/BIFMA M7.1-2011(r-2016).

	72 HOUR AIR SAMPLES				168 HOUR AIR SAMPLES			
	#1	#2	MEAN	DIFF (%)	#1	#2	MEAN	DIFF (%)
Formaldehyde	1.2	1.4	1.3	11.0	< 1.0	< 1.0	-	-
2-Propanol, 1- methoxy-	1.8	1.6	1.7	11.3	1.6	1.7	1.7	6.8
Toluene	1.5	1.5	1.5	5.3	1.0	1.0	1.0	3.0
Formamide, N,N- dimethyl-	3.7	3.6	3.6	4.1	2.8	3.4	3.1	17.9*
Ethylbenzene	29.5	27.6	28.6	6.4	22.3	21.9	22.1	1.7
Xylenes (m, o, & p combined)	136.3	127.7	132.0	6.5	107.0	105.8	106.4	1.1
Phenol	1.4	1.4	1.4	1.7	1.6	1.4	1.5	11.0
TVOC _{Toluene}	492	459	476	6.9	384	374	379	2.6

Table 8: Measured concentrations of VOCs specified in ANSI/BIFMA X7.1-2011(r-2016), ANSI/BIFMA e3-2019 and CDPH Standard Method V1.2 table 4-1. Values presented in µg/m3.

*Relative difference between samples 1 and 2 exceeds 15% due to proximity to the detection limit.

Table 9: Calculated chamber emission factors (EF) of VOCs specified in ANSI/BIFMA X7.1-2011 (r-2016)
and ANSI/BIFMA e3-2019 and CDPH Standard Method V1.2 table 4-1.

	EMISSION FA	CTOR (μg/m²h)	POWER LAW COEFFICIENTS		
	72 HOUR	168 HOUR	Α	В	
Formaldehyde	1.7	< 1.3	85.16	0.914	
2-Propanol, 1- methoxy-	2.2	2.2	2.628	0.0373	
Toluene	1.9	1.3	13.79	0.459	
Formamide, N,N- dimethyl-	4.7	4.1	10.37	0.183	
Ethylbenzene	37.2	28.8	136.1	0.303	
Xylenes (m, o, & p combined)	172.1	138.6	512.1	0.255	
Phenol	1.8	2.0	1.253	-0.0906	
TVOCToluene	620	494	1952	0.268	

If the "B" coefficient is in the range -0.15 < b < 0.15 the emission source is considered to be constant and the 336 h result is calculated by averaging the 72 and 168 h results.

Table 10: Molar basis calculated emission factors (EF) of identified individual and total aldehydesspecified in ANSI/BIFMA M7.1-2011(r-2016).

	CA5 #	MOLECULAR	EMISSION FACTOR (µmol/m²h)		
ALDENTDES	CAS #	WEIGHT (g/mol)	72 HOUR	168 HOUR	
Formaldehyde	50-00-0	30.03	0.06	< 0.04	
Acetaldehyde	75-07-0	44.05	< 0.04	< 0.04	
Propionaldehyde	123-38-6	58.08	< 0.02	< 0.02	
n-Butyraldehyde	123-72-8	72.11	< 0.01	< 0.01	
Benzaldehyde	100-52-7	106.12	< 0.01	< 0.01	
Valeraldehyde	110-62-3	86.13	< 0.01	< 0.01	
Hexaldehyde	66-25-1	100.16	< 0.01	< 0.01	
Total Aldehydes	-	-	< 0.14	< 0.14	

Table 11: Calculated chamber emission factors (EF) at 336 hours of VOCs specified in ANSI/BIFMAX7.1-2011(r-2016) and ANSI/BIFMA e3-2019 and CDPH Standard Method V1.2 table 4-1.

CHEMICAL NAME	336 HOUR EF (μg/m²h)
Formaldehyde	< 1.3
2-Propanol, 1- methoxy-	2.2
Toluene	1.0
Formamide, N,N- dimethyl-	3.6
Ethylbenzene	23.3
Xylenes (m, o, & p combined)	116.2
Phenol	1.9

Individual emitted VOCs identified above the lower limits of quantitation are listed in Table 5; VOCs which are listed on chemical of concern lists or have CRELs are indicated.

The measured chamber concentrations and corresponding emission factors of identified individual VOCs and TVOCs are listed in Table 6.

In Tables 4, 6 and 7, emission factors were calculated using equation 3.1 in CDPH Standard Method V1.2:

$$EF_{Ai} = \frac{Q \times (C_{it} - C_{i0})}{A_C}$$

The inlet flow rate, Q (m³ h⁻¹), is the measured flow rate of air into the chamber. The chamber concentration, C_{it} (µg m⁻³), is the concentration of a target VOC_i, formaldehyde and other carbonyl compounds measured at time t. The chamber background concentration, C_{i0} (µg m⁻³), is the corresponding concentration measured with the chamber operating without a test specimen. The exposed surface area of the test specimen in the chamber, A_C (m²), is determined from the measurements made at the time of specimen preparation.

voc	CAS No.	SURROGATE ¹	CREL ² (μg m ⁻³)	CARB TAC ³	PROP 65 LIST ⁴
Formaldehyde	50-00-0		9	Yes	Yes
2-Propanol, 1-methoxy-	107-98-2		7000	No	No
Toluene	108-88-3		300	Yes	Yes
Formamide, N,N-dimethyl-	68-12-2		80	Yes	Yes
Ethylbenzene	100-41-4		2000	Yes	Yes
Xylenes (m, o, & p combined)	108-38-3 95-47-6 106-42-3		700	Yes	No
Phenol	108-95-2		200	Yes	No
Methyl Isobutyl Ketone	108-10-1	Х	-	Yes	Yes
Acetic acid, butyl ester	123-86-4	Х	-	No	No

Table 12: VOCs detected above lower limits of quantitation in air samples at 336 hours.

¹Indicates which non-listed VOCs were quantified using surrogate compounds, all other compounds were quantified using pure compounds.

²Chronic Reference Exposure Level (CREL) as defined by California Office of Environmental Health Hazard Assessment.

³Substance is listed on California Air Resource Board's (CARB) Toxic Air Contaminate (TAC) identification list.

⁴Substance known to the state of California to cause cancer or reproductive toxicity according to California's Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65).

Table 13: Measured chamber concentrations and corresponding emission factors of individual VOCs listed in Table 4-1 of CDPH 01350 V1.2. at 168 hours.

voc	CAS No.	CHAMBER CONCENTRATION (µg m ⁻³)	EMISSION FACTOR (µg m ⁻² h ⁻¹)
Formaldehyde	50-00-0	< 1.0	< 1.3
Acetaldehyde	75-07-0	< 1.5	< 1.9
Vinyl acetate	108-05-4	< 0.7	< 0.9
Epichlorohydrin	106-89-8	< 0.3	< 0.4
Ethanol, 2-methoxy-, acetate	110-49-6	< 0.5	< 0.7
Isopropyl Alcohol	67-63-0	< 0.3	< 0.4
Ethene, 1,1-dichloro-	75-35-4	< 0.2	< 0.2
Methylene chloride	75-09-2	< 0.3	< 0.3
Carbon disulfide	75-15-0	< 1.5	< 1.9
Methyl tert-butyl ether	1634-04-4	< 2.1	< 2.7
n-Hexane	110-54-3	< 0.1	< 0.1
Trichloromethane (Chloroform)	67-66-3	< 0.1	< 0.1
Ethanol, 2-methoxy-	109-86-4	< 0.4	< 0.6
Ethane, 1,1,1-trichloro-	71-55-6	< 0.2	< 0.3
Benzene	71-43-2	< 0.1	< 0.1
Carbon Tetrachloride	56-23-5	< 0.1	< 0.2
2-Propanol, 1-methoxy-	107-98-2	1.7	2.2
Ethylene glycol	107-21-1	< 8	< 10.4
Trichloroethylene	79-01-6	< 0.1	< 0.1
1,4-Dioxane	123-91-1	< 0.1	< 0.1
Ethanol, 2-ethoxy-	110-80-5	< 0.5	< 0.6
Toluene	108-88-3	1.0	1.3
Formamide, N,N-dimethyl-	68-12-2	3.1	4.1
Tetrachloroethylene	127-18-4	< 0.1	< 0.1
Benzene, chloro-	108-90-7	< 0.1	< 0.1
Ethylbenzene	100-41-4	22.1	28.8
	108-38-3,		
Xylene (-m, -p, & -o)	95-47-6,	106.4	138.6
	106-42-3		
Styrene	100-42-5	< 0.2	< 0.2
2-Ethoxyethyl acetate	111-15-9	< 0.6	< 0.8
Phenol	108-95-2	1.5	2.0
Benzene, 1,4-dichloro-	106-46-7	< 0.2	< 0.3
Isophorone	78-59-1	< 0.4	< 0.5
Naphthalene	91-20-3	< 0.3	< 0.4

Table 14: Measured chamber concentrations and corresponding emission factors of identifiedindividual VOCs and TVOC at 168 hours.

voc	CAS No.	CHAMBER CONCENTRATION (µg m ⁻³)	EMISSION FACTOR (μg m ⁻² h ⁻¹)
Methyl Isobutyl Ketone	108-10-1	14.0	18.3
Acetic acid, butyl ester	123-86-4	178	232.2
TVOC	-	379	494

Exposure Scenario Modeling and Evaluation:

Estimated building concentrations for the listed scenarios were calculated using equation 3.2a of CDPH Standard Method V1.2:

$$C_{Bi} = \frac{EF_{Ai} \times A_B}{Q_B}$$

The area specific emission rate EF_A at 336 hours (14 days) total exposure time is multiplied by the ratio of the exposed surface area of the installed material in the building, A_B (m²), to the flow rate of outside ventilation air, Q_B (m³ h⁻¹).

The modeling parameters used for the given scenarios are listed in Table 8. The modeled concentrations of identified individual VOCs are listed in Tables 9 & 10. Whether the modeled concentrations meet the maximum allowable concentration requirements specified in Table 4.1 of CDPH Standard Method V1.2 are also indicated.

PARAMETER	SYMBOL	VALUE	UNITS
Exposed Surface Area Installed in Open Office (OO)	A_B	6.10	m²
Air flow rate of Open Office (OO)	Q_B	15.0	$m^3 h^{-1}$
Exposed Surface Area Installed in <i>Private Office</i> (PO)	A_B	6.73	m²
Air flow rate of Private Office (PO)	Q_B	34.7	m ³ h ⁻¹
Exposed Surface Area Installed in Classroom (SC)	A_B	25.9	m²
Air flow rate of Classroom (SC)	Q_B	191	m ³ h ⁻¹

Table 15: Standard modeling parameters for worksurface.

	CAS NO.	MODELED CONCENTRATION			CONC. Pass (P) /Fail (F			il (F)	
VOC		00	PO	SC	LIMIT (µg m ⁻³)	00	PO	sc	
Formaldehyde	50-00-0	< 0.5	< 0.3	< 0.2	9	Р	Р	Р	
Acetaldehyde	75-07-0	< 0.8	< 0.4	< 0.3	70	Р	Р	Р	
Vinyl acetate	108-05-4	< 0.4	< 0.2	< 0.1	100	Р	Р	Р	
Epichlorohydrin	106-89-8	< 0.2	< 0.1	< 0.1	1.5	Р	Р	Р	
Ethanol, 2-methoxy-, acetate	110-49-6	< 0.3	< 0.1	< 0.1	45	Р	Р	Р	
Isopropyl Alcohol	67-63-0	< 0.2	< 0.1	< 0.1	3,500	Р	Р	Р	
Ethene, 1,1-dichloro-	75-35-4	< 0.1	< 0.1	< 0.1	35	Р	Р	Р	
Methylene chloride	75-09-2	< 0.1	< 0.1	< 0.1	200	Р	Р	Р	
Carbon disulfide	75-15-0	< 0.8	< 0.4	< 0.3	400	Р	Р	Р	
Methyl tert-butyl ether	1634-04-4	< 1.1	< 0.5	< 0.4	4,000	Р	Р	Р	
n-Hexane	110-54-3	< 0.1	< 0.1	< 0.1	3,500	Р	Р	Р	
Trichloromethane (Chloroform)	67-66-3	< 0.1	< 0.1	< 0.1	150	Р	Р	Р	
Ethanol, 2-methoxy-	109-86-4	< 0.2	< 0.1	< 0.1	30	Р	Р	Р	
Ethane, 1,1,1-trichloro-	71-55-6	< 0.1	< 0.1	< 0.1	500	Р	Р	Р	
Benzene	71-43-2	< 0.1	< 0.1	< 0.1	1.5	Р	Р	Р	
Carbon Tetrachloride	56-23-5	< 0.1	< 0.1	< 0.1	20	Р	Р	Р	
2-Propanol, 1-methoxy-	107-98-2	0.9	0.4	0.3	3,500	Р	Р	Р	
Ethylene glycol	107-21-1	< 4.2	< 2	< 1.4	200	Р	Р	Р	
Trichloroethylene	79-01-6	< 0.1	< 0.1	< 0.1	300	Р	Р	Р	
1,4-Dioxane	123-91-1	< 0.1	< 0.1	< 0.1	1,500	Р	Р	Р	
Ethanol, 2-ethoxy-	110-80-5	< 0.3	< 0.1	< 0.1	35	Р	Р	Р	
Toluene	108-88-3	0.4	0.2	0.1	150	Р	Р	Р	
Formamide, N,N- dimethyl-	68-12-2	1.5	0.7	0.5	40	Р	Р	Р	
Tetrachloroethylene	127-18-4	< 0.1	< 0.1	< 0.1	17.5	Р	Р	Р	
Benzene, chloro-	108-90-7	< 0.1	< 0.1	< 0.1	500	Р	Р	Р	
Ethylbenzene	100-41-4	9.5	4.5	3.2	1,000	Р	Р	Р	
Xylene (-m, -p, & -o)	108-38-3, 95-47-6, 106-42-3	47.3	22.5	15.8	350	Р	Ρ	Р	
Styrene	100-42-5	< 0.1	< 0.1	< 0.1	450	Р	Р	Р	
2-Ethoxyethyl acetate	111-15-9	< 0.3	< 0.2	< 0.1	150	Р	Р	Р	
Phenol	108-95-2	0.8	0.4	0.3	100	Р	Р	Р	
Benzene, 1,4-dichloro-	106-46-7	< 0.1	< 0.1	< 0.1	400	Р	Р	Р	
Isophorone	78-59-1	< 0.2	< 0.1	< 0.1	1,000	Р	Р	Р	
Naphthalene	91-20-3	< 0.1	< 0.1	< 0.1	4.5	Р	Р	Р	

Table 16: Modeled concentrations of individual VOCs specified in Table 4-1 of CDPH 01350 V1.2.

voc	CAS NO.	MODELED CONCENTRATION (μg m ⁻³)			CONC.	Result Pass (P) /Fail (F)		
		00	РО	SC	(µg m ^{−3})	00	РО	SC
Methyl Isobutyl Ketone	108-10-1	6.2	3.0	2.1	-	-	-	-
Acetic acid, butyl ester	123-86-4	79.4	37.9	26.5	-	-	-	-
TVOC _{Toluene}	-	167	79.6	55.7	-	-	-	-

Table 17: Modeled concentrations of identified non-listed individual VOCs.

PHOTOGRAPHS:



SECTION 4

FACILITIES AND EQUIPMENT: GCMS

INSTRUMENTATION USED:	Markes TD-100 Thermal Desorption Agilent 7890A GC Agilent 5975C MS			
COLUMN USED:	Agilent HP-Ultra 2 (GC)			
HPLC				
INSTRUMENTATION USED:	Agilent 1260 Infinity Series			
COLUMN USED:	Poroshell 120 EC-C18			

SECTION 5 CHAIN OF CUSTODY

	S	hip To:	Chain of Custody for Che	mical Testing		
30	Attn: VOC Labo	oratory	Intertek Quotation Number:	initial results		
(n)	4700 Broadmo	oor Ave SE	Purchase Order (enter Company and N	lumber):		
	Suite 200			N.		
intertek	Kentwood, MI	49512	-			
sustainability	Phone: 616-65	56-7401	Shipping Deta	ils		
			Packed & Shipped By:	from		
Customer Inf	ormation		Shipping Date: 4/4/19			
Company: BuzziSpace			Carrier/Airbill Number: MAYBILL	934968 1246		
Street Address: Ankerrui 20/5						
City/State/Postal code: Antwerp			Requested Testing			
Country: Belgium	111 01 11		Test to be performed:			
Contact Name & litle (for reporting): Ast	rid de Chaffoy					
			Customer Request for C	Certification		
Contact Phone/Fax Numbers:	1. 6	internet in the second second	Clean Air Silver [™] Certification:	YES		
Contact E-mail Address: astrid.ded	hattoy@buzzi.st	oace	Clean Air Gold™ Certification:	YES		
Financially Responsible Co. :						
Manufacturer Informa	tion (If Differe	ent)	Special Customer Ins	tructions		
Company: Boerboom				(detrons		
City/State/Country: Bergeijk, The Net	nerlands		-			
Contact Name/Title: Bas Boerboo	m					
Phone Number/E-mail Address:	+31 497 531 2	00	-			
Sample D	etails					
Product Commercial Part No. (if not part	of the name)*:		Customer Authorizes Laboratory	to Submit Copies of		
BuzziPicNic	or the name, .		Contact:			
Manufacturer Sample Tracking ID:	S-000000332		Email Address:			
Date Manufactured*: 29/03/19			Organization:			
Product Category & Use*: Table			Contact:			
Sample Construction Materials*: Ash			Email Address:			
			Organization:			
Plant Name & Location*: Boerboon	1		- L			
Collection Location within Plant:			Intertek Use O	nly		
Date & Time Collected*: 4/04/19			Condition of Shipping Package: Good			
Number of Sample Pieces*: 1			Condition of Sample: Good			
Sample Collected by*: Bas Boerboom			Sample ID: GRR 190408019			
Phone/Fax Numbers*: +31 497 531 200			GIN: 6103904378			
E-mail Address*: info@boerboom.	n		*Indicates required field			
	S	ample Hand	dling*			
Printed	Name*	Signature*	Date*	Company*		
Relinquished By:	TFOY	do bollog	11/4/19	BW22: Space		
Received by: Amande	Tonco	Aard	to 23-April-200	I Totelt		
	gen	ysinan	myon of My	THUILD		