August 12, 2022 1001621296-5136072 1001621296-5136072



| G | GREENGUARD CERTIFICATION TEST REPORT | | | | | | | | |
|------------------------------------|--------------------------------------|---|--|-----------------|----------|--|--|--|--|
| Customer Information | Xiuqing Hexing Stree | lexing Street, Jinfeng Town hangjiagang Jiangsu 215626 hina | | | | | | | |
| Product Description | 5.0mm~7.0m | nm SPC Click | Series with PE Under | rlayment | | | | | |
| Test Group | Vinyl Flooring | g - 01 | | | | | | | |
| Category | Flooring | | | | | | | | |
| Test Type | Certification | | Year 8 | | | | | | |
| Test Method | | ssions From Bu | ertification Program Met uilding Materials, Finishe | | | | | | |
| | Environment | TVOC | Formaldehyde | Total Aldehydes | CREL/TLV | | | | |
| GREENGUARD | Office | ✓ | ✓ | ✓ | ✓ | | | | |
| CDEENCHARD Cold | Office | ✓ | ✓ | ✓ | ✓ | | | | |
| GREENGUARD Gold | Classroom | ✓ | √ | ✓ | ✓ | | | | |
| ✓ - meets criteria; X - over crite | eria | <u> </u> | | | · | | | | |

Authorized by

Ring Zhong

Operations Leader

| MODELING FOR PREDICTED AIR CONCENTRATION | | | | | | | | | |
|--|------------------------------|-------------------|----------------------|---------------------|---------------|--|--|--|--|
| Certification Program | Environment Basis | Modeling Basis | Surface Area (m²) | Room Volume (m³) | ACH (1/hr) | | | | |
| GREENGUARD and GREENGUARD Gold Office | CDPH/EHLB/Standard Method | floor | 11.1 | 30.6 | 0.68 | | | | |
| GREENGUARD Gold Classroom | CDPH/EHLB/Standard Method | floor | 89.2 | 231 | 0.82 | | | | |

Note that certain environments and/or modeling scenarios may prevent assessment of low level CREL and TLV analytes due to the emissions being below the lower LOQ (0.04 μ g). For example, benzene ½ CREL is 1.5 μ g/m³.

PHOTOGRAPH OF SAMPLE



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GREENGUARD RESULTS SUMMARY

| Product Description | 5.0mm~7.0mm SPC Cli | .0mm~7.0mm SPC Click Series with PE Underlayment | | | | | | | |
|------------------------------|---------------------|--|----------------------------------|--|--|--|--|--|--|
| GREENG Acceptable I | | 168 Hour Product Measurement | Product Compliance for IAQ | | | | | | |
| TVOCa | ≤ 0.5 mg/m³ | < 0.003 mg/m ³ | Yes | | | | | | |
| Formaldehyde | ≤ 0.05 ppm | < 0.002 ppm | Yes | | | | | | |
| Total Aldehydes ^b | ≤ 0.10 ppm | < 0.002 ppm | Yes | | | | | | |
| 4-Phenylcyclohexene | ≤ 0.0065 mg/m³ | < 0.003 mg/m ³ | Yes | | | | | | |
| Individual VOCs | all ≤ 1/10 TLV | с | Yes | | | | | | |

^a "TVOC" is the sum of all VOCs measured via TD/GC/MS which elute between n-hexane (C_6) and n-hexadecane (C_{16}) quantified using calibration to a toluene surrogate.

PROJECT DESCRIPTION

This study was conducted using a UL Environment's GREENGUARD test method following the requirements of GREENGUARD Certification program. The product was monitored for emissions of total volatile organic compounds (TVOC), formaldehyde, target list aldehydes, and other individual volatile organic compounds (VOCs) over a 168-hour exposure period. These emissions were measured, and the resultant air concentrations were determined for each of the potential pollutants. Determination of compliance is based on predicted air concentrations modeled using the GREENGUARD program room loading.

Report Outline:

| Table 1 | Environmental Chamber Study Parameters |
|------------------|---|
| Table 2 | Emission Factors and Predicted Air Concentrations |
| Table 3 | Chamber Concentrations of Identified VOCs |
| Table 4 | Emission Factors of Identified VOCs |
| Table 5 | Chamber Concentrations of Target List Aldehydes |
| Table 6 | Emission Factor of Target List Aldehydes |
| Table 7 | Supplemental Emissions Information |
| Chain of Custody | Chain of Custody |
| Appendix 1 | GREENGUARD Gold Results Summary |

Download more information regarding UL's technical references and resources, product evaluation methodologies information, quality control program, and environmental chamber evaluations from our website <u>click here</u> or https://www.ul.com/offerings/greenguard-certification

For RSD, Quality Assurance Report or other quality documents, Request here or contact ULE.

^b "Total Aldehydes" is the sum of all measured normal aldehydes from formaldehyde to nonanal, plus benzaldehyde. Heptanal through nonanal are analyzed using TD/GC/MS. The remaining aldehydes are analyzed using HPL/UV methodology. All aldehydes are quantified to authentic standards.

^c All individual VOCs detected met the criteria of less than 1/10 the ACGIH established threshold limit values (TLVs).

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TABLE 1

| ENVIRONME | ENTAL CHAMBER S | STUDY PARAMETE | ERS | | | | |
|-------------------------------------|--|------------------------|------------------------------|--|--|--|--|
| Product Description | 5.0mm~7.0mm SPC | Click Series with PE I | Underlayment | | | | |
| Product Manufacture Date | July 11, 2022 | July 11, 2022 | | | | | |
| Product Collection Date | July 15, 2022 | | | | | | |
| Product Shipping Date | July 15, 2022 | | | | | | |
| Date Received | July 18, 2022 | | | | | | |
| Test Description | The product was received by ULE Guangzhou Laboratory as packaged and shipped by the customer. The package was visually inspected and stored in a controlled environment immediately following sample check-in. Just prior to loading, the product was unpackaged and prepared for the required loading to expose the finished surfaces only. The sample was placed inside the environmental chamber, and tested according to the specified protocol. | | | | | | |
| Test Period | July 28, 2022 - Augus | st 4, 2022 | | | | | |
| Area | one-sided area = 0.0 | 369 m² | | | | | |
| Environmental Chamber ID and Volume | SU5 - 0.0866 m³ | | | | | | |
| Product Loading | 0.43 m ² /m ³ | | | | | | |
| Test Conditions | 1.00 ± 0.05 ACH 50% RH ± 5% RH 22.5°C - 23.3°C | | | | | | |
| *Accredited Laboratory Locations | Testing Laboratory | Analytical Laboratory | Technical Reporting Location | | | | |
| Acciedited Laboratory Locations | ULE - Guangzhou | ULE - Guangzhou | ULE - Guangzhou | | | | |

The temperature range specification is $23^{\circ}C \pm 1^{\circ}$. The actual temperature range listed above may vary slightly. If the range is outside this specification, data was reviewed to ensure a negative impact did not occur.

| | *Accredited Laboratory Locations |
|-----------------|--|
| Location | Address |
| ULE - Marietta | UL Environment 2211 Newmarket Parkway, Marietta, GA 30067-9399 USA |
| ULE - Guangzhou | UL Verification Services (Guangzhou) 1-3F & Room 501, Building 2 (R&D Center A1), No. 25, South Huanshi Avenue, Nansha District, Guangzhou 511458, China |
| ULE - Cabiate | UL International Italia S.r.I ATTN: IAQ Laboratory Via Europa, 9, I – 22060 – Cabiate (Como), Italia |
| ULE - Vietnam | UL VS (VIET NAM) CO. LTD., Lot C5, Conurbation 2, Street K1, Cat Lai Industrial Zone, Thanh My Loi Ward, District 2, Ho Chi Minh City, Vietnam |
| UL - Shimadzu | Shimadzu Techno-Research, Inc. 1, Nishinokyo-Shimoaicho Nakagyo-ku, Kyoto 604-8436 Japan |
| KCL | Korea Conformity Laboratories #805, I-Valley, 149 Gongdan-ro Gunpo-si, Gyeonggi-do, 15849 Korea |
| Normec | Normec Product Testing N.V. Honderdweg 13, 9320 Wetteren Belgium |

This test is accredited under the laboratory's ISO/IEC 17025 accreditation issued by International Accreditation Service. Refer to certificate and scope of accreditation TL-441.

This test report is for intended use in certification programs.

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TABLE 2

| Product Description | 5.0mm~7.0mm SPC | Click | Series with PE | Underla _! | yment | |
|---------------------------|-----------------------------------|--------------------------------------|----------------|--------------------------------------|--------------|----------------|
| TVO | C CHAMBER CONCE | | | | CTORS | |
| Elapsed Exposure Hour* | Chamber Concentration µg/m³ | Concentration Emission Factor Concer | | edicted Air centration** µg/m³ | | |
| 0 (Background) | BQL | | BQL | | | |
| 6 | 4.3 | | 10.0 | | | 5 |
| 24 | 2.5 | | 5.8 | | | 3 |
| 48 | BQL | | BQL | | | < 3 |
| 72 | BQL | | BQL | | | < 3 |
| 96 | BQL | | BQL | | | < 3 |
| 168 | BQL | | BQL | | | < 3 |
| FORMALD | EHYDE CHAMBER CO | | | | N FACTOR | !S |
| Elapsed Exposure | Chamber Concentration | Emission Factor Pro | | Pred | licted Air C | oncentration** |
| Hour* | μg/m³ | | μg/m²•hr | µg/m³ | | ppm |
| 0 (Background) | BQL | | BQL | | | |
| 6 | BQL | | BQL | | < 3 | < 0.002 |
| 24 | BQL | | BQL | | < 3 | < 0.002 |
| 48 | BQL | | BQL | | < 3 | < 0.002 |
| 72 | BQL | | BQL | | < 3 | < 0.002 |
| 96 | BQL | | BQL | | < 3 | < 0.002 |
| 168 | BQL | | BQL | | < 3 | < 0.002 |
| TARGET LIST A | ALDEHYDES CHAMBE AND PREDICTED | | | | SSION FAC | CTORS |
| Elapsed Exposure | Chamber Concentration | Em | nission Factor | Pred | licted Air C | oncentration** |
| Hour* | µg/m³ | | μg/m²•hr | μ | g/m³ | ppm |
| 0 (Background) | BQL | | BQL | | | |
| 6 | BQL | | BQL | | < 3 | < 0.002 |
| | | | | | ^ | 0.000 |
| 24 | BQL | | BQL | | < 3 | < 0.002 |
| 24 48 | BQL | | BQL | | < 3 | < 0.002 |
| 24 | BQL BQL | | BQL BQL | | < 3 < 3 | |
| 24 48 | BQL | | BQL | | < 3 | < 0.002 |

^{*}Exposure hours are nominal (± 1 hour).

168

BQL = Below quantifiable level of 0.04 μg based on a standard 18 L air collection volume for VOCs and 0.1 μg based on a standard 45 L air collection volume for aldehydes.

BQL

< 3

BQL

< 0.002

^{**}Predicted Air Concentrations are based on GREENGUARD modeling predicted concentration parameters. For more information click here.

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TABLE 3

| Product Desc | ription | 5.0mm~7.0mm SPC Click Series with PE Underlayment | | | | | | | |
|--|---------|---|-------------------------------|-----|-----|-----|-----|-----|-----|
| CHAMBER CONCENTRATIONS OF IDENTIFIED INDIVIDUAL VOLATILE ORGANIC COMPOUNDS | | | | | | | 3 | | |
| CAS | | | Elapsed Exposure Hour (µg/m³) | | | | | | |
| Number | | Compound | 0 (BG) | 6 | 24 | 48 | 72 | 96 | 168 |
| 123-54-6 | 2,4-Pe | ntanedione | BQL | 4.3 | 2.5 | BQL | BQL | BQL | BQL |
| 104-76-7 | 1-Hexa | anol, 2-ethyl [†] | BQL | 2.2 | BQL | BQL | BQL | BQL | BQL |

TABLE 4

| Product Description 5.0mm~7.0mm SPC Click Series with PE Underlayment | | | | | | | | |
|---|-----------|----------------------------------|------|-----|-----|-----|-----|-----|
| EMISSION FACTORS OF IDENTIFIED INDIVIDUAL VOLATILE ORGANIC COMPOUNDS | | | | | | | | |
| CAS | | Elapsed Exposure Hour (µg/m²•hr) | | | | | | |
| Number | | Compound | 6 | 24 | 48 | 72 | 96 | 168 |
| 123-54-6 | 2,4-Penta | nedione | 10.0 | 5.8 | BQL | BQL | BQL | BQL |
| 104-76-7 | 1-Hexano | L 2-ethyl† | 5.3 | BQL | BQL | BQL | BQL | BQL |

^{*}Indicates NIST/EPA/NIH best library match only based on retention time and mass spectral characteristics.

Quantifiable level is 0.04 μg based on a standard 18 L air collection volume.

[†]Denotes quantified using multipoint authentic standard curve. Other VOCs quantified relative to toluene.

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TABLE 5

| Produc | ct Description | 5.0mm~7.0mm SPC | Click Seri | es with I | PE Under | layment | | | | | |
|-----------------------|---|----------------------|------------|-----------|-----------|---------|---------|------|-----|----|-----|
| | CHAMBER CONCENTRATIONS OF TARGET LIST ALDEHYDES | | | | | | | | | | |
| CAS | | | | Elap | sed Exp | osure H | our (µg | /m³) | | | |
| Number | Со | Co | Со | ompound | 0 (BG) | 6 | 24 | 48 | 72 | 96 | 168 |
| 4170-30-3 | 2-Butenal | | BQL | BQL | BQL | BQL | BQL | BQL | BQL | | |
| 75-07-0 | Acetaldehyde | | BQL | BQL | BQL | BQL | BQL | BQL | BQL | | |
| 100-52-7 | Benzaldehyde | | BQL | BQL | BQL | BQL | BQL | BQL | BQL | | |
| 5779-94-2 | Benzaldehyde | , 2,5-dimethyl | BQL | BQL | BQL | BQL | BQL | BQL | BQL | | |
| 529-20-4 | Benzaldehyde | , 2-methyl | BQL | BQL | BQL | BQL | BQL | BQL | BQL | | |
| 620-23-5 /104-87-0 | Benzaldehyde | , 3- and/or 4-methyl | BQL | BQL | BQL | BQL | BQL | BQL | BQL | | |
| 123-72-8 | Butanal | | BQL | BQL | BQL | BQL | BQL | BQL | BQL | | |
| 590-86-3 | Butanal, 3-met | thyl | BQL | BQL | BQL | BQL | BQL | BQL | BQL | | |
| 50-00-0 | Formaldehyde | | BQL | BQL | BQL | BQL | BQL | BQL | BQL | | |
| 66-25-1 | Hexanal | | BQL | BQL | BQL | BQL | BQL | BQL | BQL | | |
| 110-62-3 | Pentanal | | BQL | BQL | BQL | BQL | BQL | BQL | BQL | | |
| 123-38-6 | Propanal | | BQL | BQL | BQL | BQL | BQL | BQL | BQL | | |

TABLE 6

| Product D | escription | 5.0mm~7.0mm SPC Click S | Series with | PE Unde | rlayment | | | |
|-----------------------|----------------------------|-------------------------|----------------------------------|----------|----------|-----|-----|-----|
| | | EMISSION FACTORS OF T | ARGET L | IST ALDE | HYDES | | | |
| CAS | | Compound | Elapsed Exposure Hour (μg/m²•hr) | | | | | |
| Number | | Compound | 6 | 24 | 48 | 72 | 96 | 168 |
| 4170-30-3 | 2-Butenal | | BQL | BQL | BQL | BQL | BQL | BQL |
| 75-07-0 | Acetaldeh | yde | BQL | BQL | BQL | BQL | BQL | BQL |
| 100-52-7 | Benzaldeh | iyde | BQL | BQL | BQL | BQL | BQL | BQL |
| 5779-94-2 | Benzaldehyde, 2,5-dimethyl | | BQL | BQL | BQL | BQL | BQL | BQL |
| 529-20-4 | Benzaldeh | yde, 2-methyl | BQL | BQL | BQL | BQL | BQL | BQL |
| 620-23-5 /104-87-0 | Benzaldeh | yde, 3- and/or 4-methyl | BQL | BQL | BQL | BQL | BQL | BQL |
| 123-72-8 | Butanal | | BQL | BQL | BQL | BQL | BQL | BQL |
| 590-86-3 | Butanal, 3 | -methyl | BQL | BQL | BQL | BQL | BQL | BQL |
| 50-00-0 | Formaldeh | nyde | BQL | BQL | BQL | BQL | BQL | BQL |
| 66-25-1 | Hexanal | | BQL | BQL | BQL | BQL | BQL | BQL |
| 110-62-3 | Pentanal | | BQL | BQL | BQL | BQL | BQL | BQL |
| 123-38-6 | Propanal | | BQL | BQL | BQL | BQL | BQL | BQL |

Quantifiable level is 0.1 μg is based on a standard 45 L air collection volume.

Date Issued: Au Product ID#: 10 Test Report #: 10 ©2022 UL

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TABLE 7

SUPPLEMENTAL EMISSIONS INFORMATION

The table below represents this product's identified chemical emissions found on certain regulatory lists. This list only provides a statement regarding possible health effects associated with this compound and not the relative risks of exposure. Proper interpretation of the risks associated with exposure to a given regulated compound requires a more detailed evaluation of toxicological activity. Certain purchasing programs may require this information be submitted.

| Product D | escription 5.0mm~7.0mm | SPC Click Series | with PE | Underlay | rment | | |
|---------------|------------------------|------------------|----------|-----------|----------------------|------|----------|
| | | | √() = F0 | DUND IN L | ISTING (CLA | SS) | |
| CAS Number | Compound | CAL PROP. 65 | NTP | IARC | CAL AIR TOXICS | CREL | TLV |
| 123-54-6 | 2,4-Pentanedione | | | | | | ✓ |

[†]Denotes quantified using multipoint authentic standard curve

CAL Prop. 65: California Health and Welfare Agency, Proposition 65 Chemicals

1 = known to cause cancer 2 = known to cause reproductive toxicity

NTP: National Toxicology Program

2A = known to be carcinogenic to humans

2B = reasonably anticipated to be carcinogenic to humans

IARC: International Agency on Research of Cancer

1 = carcinogenic to humans

2A = probably carcinogenic to humans

2B = possibly carcinogenic to humans

3 = unclassifiable as to carcinogenicity to humans

4 = probably not carcinogenic to humans

California Air Toxics

- I = Substances identified as Toxic Air Contaminants, known to be emitted in California, with a full set of health values reviewed by the Scientific Review Panel.
- IIA = Substances identified as Toxic Air Contaminants, known to be emitted in California, with one or more health values under development by the Office of Environmental Health Hazard Assessment for review by the Scientific Review Panel.
- IIB= Substances NÓT identified as Toxic Air Contaminants, known to be emitted in California, with one or more health values under development by the Office of Environmental Health Hazard Assessment for review by the Scientific Review Panel.
- III = Substances known to be emitted in California and are NOMINATED for development of health values or additional health values.
- IVA = Substance identified as Toxic Air Contaminants, known to be emitted in California and are TO BE EVALUATED for entry into Category III.
- IVBA =Substance NOT identified as Toxic Air Contaminants, known to be emitted in California and are TO BE EVALUATED for entry into Category III.
- V = Substance identified as Toxic Air Contaminants, and NOT KNOWN TO BE EMITTED from stationary source facilities in California based on information from the AB 2588 Air Toxic "Hot Spots" Program and the California Toxic Release Inventory.
- VI = Substances identified as Toxic Air Contaminants, NOT KNOWN TO BE EMITTED from stationary source facilities in California, and are active ingredients in pesticides in California.
- CREL: California Office of Environmental Health's Hazard Assessment (OEHHA), Chronic Reference Exposure Levels. The GREENGUARD program does not include all Chronic Reference Exposure Levels (CRELs) adopted by the State of California Office of Environmental Health Hazard Assessment (OEHHA). For example, caprolactam and 2-butoxyethanol.
 - √ = Found in Listing
- ACGIH TLV American Conference of Governmental Industrial Hygienists Threshold Limit Values for Chemical Substances and Physical Agents.
 - √ = Found in Listing.

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CHAIN OF CUSTODY

| | INTE | RNAL Use Only | | | | | | | 111 | |
|--|----------|--|--|---|--|-------------------|------------------|---|------------------|---------------|
| Project # | | 001621296 | | 5 | 5136072 | | | 1743 117 | | 14.7 |
| | | 102/2/ | | De | scrimtion | | | 5 | 136072 | |
| Product # | | \$136072 | | | 5. Das P. Oem SPC Click Beries with PE underlayment | | | | | |
| Order # [44/6] 98 | | | Customer Elegant Home-Tech Co., Ltd | | | | | | | |
| Task Line | 2- | UL BU | 2014 | Received Date: | | | | | | |
| of | _ | | | | | | | | 1 0 | |
| ☐ Rush Requ | rest - S | ubject to upchar | ge. Customer mus | et cant | îrm with UL p | vrior to sub | wwitting p | product. | | |
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| rest | ype | Quarterly Test | Year Quarter | | | ☐ Profil | le Study | Test | | |
| Service | Line B | GREENGUARD | Ø GREENGU | JARD | GOLD [| Other_ | | | | |
| Test Gr | roup Vis | nyl Flooring - 01 | | | | | | | | |
| Product Cate | gory Flo | ooring | | S | ubcategory | Resilient | | | | |
| Applica | ation [|] Floor/Ceiling | ☐ Panel | □W | /all | ☐ Work S | Work Surface C | | Other: | |
| Wet Products | Only | Coverage Rate | | | Density | | | Specific | Gravity | |
| | | No. of pales | Product and C | Compa | ny Informat | tion | | | 51441 | |
| Pro | duct 5.0 | 0mm~7.0mm SPC | Click Series with | h PE u | nderfaymen | ıt | | | | |
| Descrip | | | | | | | | | | |
| Manuracture | , IDB | | | | Data Ma | nudacture. | 4 7/44/2 | 022 | | |
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| Shipper Signar | ture | | | Air Bill # | | | | | | |
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| 4 6 | - | A STATE OF THE PARTY OF THE PAR | Post Testing | Came | de Dienosiai | | | Ho Chi Mish | Gity, Vietnam | |
| | 1 | Sample will be dispo | sed of 30 days after m | eport is | issued if infor | om mation belo | w is not p | rovided) | | |
| Return Shipping | | | | | Customer Ship | | | | | |
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00-EN-F0853 - Issue 7.0

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APPENDIX 1

GREENGUARD GOLD RESULTS SUMMARY

| Product Description 5.0mm~7.0mm SPC Click Series with PE Underlayment | | | | | | | | | |
|---|------------------------------------|---------------------------|---------------------------|---------|--|--|--|--|--|
| COMPLIANCE WITH GREENGUARD GOLD STANDARD | | | | | | | | | |
| GREENGUA | 168 Hour Concen | Product Compliance | | | | | | | |
| Acceptable IA | iQ Criteria | Office | Classroom | for IAQ | | | | | |
| TVOC ≤ 0.22 mg/m³ | | < 0.003 mg/m ³ | < 0.002 mg/m ³ | Yes | | | | | |
| Formaldehyde | ≤ 0.0073 ppm | < 0.002 ppm < 0.002 ppm | | Yes | | | | | |
| Total Aldehydes ≤ 0.043 pp | | < 0.002 ppm | < 0.002 ppm | Yes | | | | | |
| 1-Methyl-2-Pyrrolidinone ≤ 0.16 mg/m | | < 0.003 mg/m ³ | < 0.002 mg/m ³ | Yes | | | | | |
| Individual VOCs | ≤ 1/100 TLV and ≤ ½ chronic REL | SAA RAIOW | | | | | | | |

^{**}Predicted Air Concentrations are based on GREENGUARD Gold modeling predicted concentration parameters.

| TOP TEN MOST ABUNDANT IDENTIFIED VOCS, INCLUDING ALDEHYDES | | | | | | | | |
|--|----------|---|--------------------------------|---|-----------|--|--|--|
| CAS Number | Compound | 168 Hour Chamber Concentration (µg/m³) | 168 Hour Emission Factor | Predicted Air Concentration** (μg/m³) | | | | |
| | | | (µg/m²•hr) | Office | Classroom | | | |
| | none | | | | | | | |

| CHEMICALS OF CONCERN WITH EXISTING TLV, CREL, CA PROP 65 OR CAL TOXIC AIR CONTAMINANT VALUES | | | | | | | | | | |
|--|----------|---|--------------------------------|------------------------------------|--------------------|---------|----------|-------------------|-------|--|
| CAS Number | Compound | 168 Hour Chamber Concentration (µg/m³) | 168 Hour Emission Factor | 168 Hour Predicted Concentration** | | ✓ INDIC | ATES PRE | SENCE O | ACGIH | |
| | - | | (μg/m²•hr) | Office | g/m³) Classroom | PROP 65 | - | CREL ^b | TLV | |
| | none | | | | | | | | | |

| COMPARISON OF COMPOUNDS FOUND WITH EXISTING TLV AND/OR CHRONIC REL | | | | | | | | |
|--|----------|--------------------------------------|-------------------------------------|--|-----------|-----------------------|--|--|
| CAS Number | Compound | 1/100 TLV ^a (µg/m³) | ½ CA Chronic REL ^b | 168 Hour Predicted Concentration** (µg/m³) | | Product Compliance | | |
| | | | (µg/m³) | Office | Classroom | - | | |
| | none | | | | | | | |

^aAmerican Conference of Governmental Industrial Hygienists. Threshold Limit Values for Chemical Substances and Physical Agents. Cincinnati, OH: ACGIH.

^bChronic Reference Exposure Levels (CRELs) adopted by the State of California Office of Environmental Health Hazard Assessment (OEHHA). Note that Gold assessment is only for the CDPH Table 4-1 CRELs, but other CRELS are included for informational purposes only. Also, not all OEHHA CRELs are pulled into this assessment. For example, caprolactam and 2-butoxyethanol are not included.

[†]Denotes quantified using multipoint authentic standard curve. Other VOCs quantified relative to toluene.

[‡]Indicates compound identified and quantified by DNPH derivitization and HPLC/UV analysis with multipoint authentic standard.

^{*}Identification based on NIST mass spectral database only.

^{**}Predicted Air Concentrations are based on modeling predicted concentration parameters shown above.