

SGS order no.: 7178054

Sample no.: 240947914

Project: VOC testing - source determination

Sample description: melamine faced chipboard

Emission test for source determination of material samples

Test conditions

The material sample is desorbed under defined conditions according to DIN EN ISO 16516 (2020-10).

Temperature: 23 °C

rel. Humidity: 50%

Air exchange rate: 0.5/h

Loading factor: 0,05 m²/m³

After 24 hours, samples are taken at the outlet of the test chamber on DNPH tubes and Tenax TA.

Specific examination conditions

The examination was carried out in a 0,225m³ test chamber.

Information about the test specimen: melamine faced chipboard

Surface: 113cm²

Other information: placed in the middle of the chamber

Aldehyd-methode

The analysis is carried out according to DIN ISO 16000-3 (2023-12).

The DNPH cartridges are eluted with acetonitrile. After an hour of treatment in the ultrasonic bath, an aliquot is removed and passed through a 0.45 µm disposable filter.

The sample is then analyzed using high-performance liquid chromatography (HPLC) with a UV detector.

All information in µg/m³

ID-/CAS-Nr.	Compound	LOQ	Concentration
50-00-0	Formaldehyd	2	<2
75-07-0	Acetaldehyd	2	<2
123-38-6	Propanal	2	<2
123-72-8	Butanal	2	<2
67-64-1	Aceton	2	<2

VOC-screening-method

The analysis is proceeded according to DIN ISO 16000-6 (2022-03).

The Tenax TA will be endowed with Internal Standard and subsequently analyzed by GC-MS with thermodesorption (TD-30R).

The obtainable detection limit lies between 0,5 and 10 µg/m³ (with a sample volume of 2–5 l) depending on the chemical structure of the different compounds.

The results determined by this method are to be regarded as orientation values. All values are rounded to two significant digits. To achieve a quantification over a larger range of concentration a FID is additionally used for detection.

Additional advice: The determined sum values do not include all the VOC occurring in the air. Especially low molecular aldehydes, amines and high polar compounds need to be analyzed by using other methods, since the VOC-screening-method is not suitable.

Explanation of comments

1) Aldehydes will be quantified at 2ng/sample (reason: aldehyd blanks on Tenax TA)

- 2) Values determined by FID
- 3) Values determined by using a reserve sample
- 4) Reduced results or insufficient reproducibility of Tenax TA
- TE Toluene equivalent
- * Compounds belong to the group of "VVOC (<C6)"
- * * Compounds belong to the group of "SVOC (>C16)"

Explanation of the specified sums

Summe TVOC_{MEQ} (C6–C16) as TE:

Sum over the entire range C6–C16 according to DIN ISO 16000-6 Appendix A point 3

Summe TVOC_{ID} (C6–C16):

Sum over the entire range C6–C16 according to DIN ISO 16000-6 Appendix A point 2

Sum VVOC (<C6)*

Sum of all substances <C6 determined via MS

Sum SVOC (>C16)**

Sum of all substances >C16 determined via MS

The totaling is subject to rules of rounding. The thereof resulting differences are negligible in comparison to the measurement uncertainty (20–30%) of the method.

Explanation of used abbreviations

LOQ: Limit of quantitation

The analysis has been carried out on the lab SGS Institut Fresenius GmbH Dresden.

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ID-/CAS-no.	Component	LOQ	Concentration
Alkane/Alkene			
109-66-0	Pentane und Isomere (quant. als Pentane)* 4)	4	<4
107-83-5	2-Methylpentane* 4)	4	<4
96-14-0	3-Methylpentane* 4)	4	<4
110-54-3	Hexane	4	<4
108-08-7	2,4-Dimethylpentane	4	<4
96-37-7	Methylcyclopentane	4	<4
110-82-7	Cyclohexane	2	<2
591-76-4	2-Methylhexane	2	<2
565-59-3	2,3-Dimethylpentane	2	<2
589-34-4	3-Methylhexane	2	<2
540-84-1	Isooctane	2	<2
142-82-5	Heptane	2	<2
108-87-2	Methylcyclohexane	1	<1
592-27-8	2-Methylheptane	1	<1
589-81-1	3-Methylheptane	1	<1
111-66-0	1-Octene	1	<1
111-65-9	Octane	1	<1
100-40-3	4-Vinyl-1-cyclohexene	1	<1
124-11-8	1-Nonene	1	<1
111-84-2	Nonane	1	<1
872-05-9	1-Decene	1	<1
13475-82-6	Isododekane	1	<1
124-18-5	Dekane	1	<1
7756-94-7	Triisobutene	1	<1
821-95-4	1-Undecene	1	<1
1120-21-4	Undekane	1	<1
112-41-4	1-Dodecene	1	<1
112-40-3	Dodekane	1	<1
629-50-5	Tridekan	1	<1
15220-85-6	Tetraisobutene	1	<1
4390-04-9	Isohexadecane	1	<1
629-59-4	Tetradecane	1	<1
629-62-9	n-Pentadecane	1	<1
544-76-3	n-Hexadecane	1	<1
629-78-7	n-Heptadecane**	1	<1
1921-70-6	Pristane**	1	<1
593-45-3	Octadecane**	1	<1
629-92-5	n-Nonadecane**	1	<1
112-95-8	Eicosane**	1	<1
629-94-7	Heneicosane**	1	<1
629-97-0	Docosane**	1	<1
ID-S001	Sum of Alkanes/Alkenes		0

Alcohols

64-17-5	Ethanol* 4)	4	<4
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ID-/CAS-no.	Component	LOQ	Concentration
67-63-0	Isopropanol* 4)	4	<4
75-65-0	tert.-Butanol* 4)	1	<1
71-23-8	n-Propanol* 4)	1	<1
78-92-2	sec-Butanol	1	<1
78-83-1	2-Methyl-1-propanol	1	<1
75-85-4	2-Methyl-2-butanol	1	<1
71-36-3	n-Butanol	1	<1
6032-29-7	2-Pentanol	1	<1
123-51-3	3-Methyl-1-butanol	1	<1
137-32-6	2-Methyl-1-butanol	1	<1
71-41-0	1-Pentanol	1	<1
95-41-3	Cyclopentanol	1	<1
123-42-2	Diacetone alcohol	1	<1
98-00-0	Furfurylalkohol	1	<1
111-27-3	1-Hexanol	1	<1
108-93-0	Cyclohexanol	1	<1
111-70-6	1-Heptanol	1	<1
3391-86-4	1-Octen-3-ol	1	<1
589-98-0	3-Octanol	1	<1
104-76-7	2-Ethyl-1-hexanol	1	<1
100-51-6	Benzyl alcohol	1	<1
111-87-5	1-Octanol	1	<1
143-08-8	1-Nonanol	1	<1
112-30-1	1-Dekanol	1	<1
617-94-7	2-Phenyl-2-propanol	1	<1
ID-S002	Sum of Alcohols		0

Aromates

71-43-2	Benzene	1	<1
108-88-3	Toluene	1	<1
100-41-4	Ethylbenzene	1	<1
108-38-3 / 106-42-3	m-/p-Xylene	1	<1
95-47-6	o-Xylene	1	<1
100-42-5	Styrene	1	<1
536-74-3	Phenylacetylene	1	<1
98-82-8	Iso-Propylbenzene	1	<1
103-65-1	n-Propylbenzene	1	<1
620-14-4 / 622-96-8	3-/4-Ethyltoluene	1	<1
108-67-8	1,3,5-Trimethylbenzene	1	<1
611-14-3	2-Ethyltoluene	1	<1
98-83-9	alpha-Methylstyrene	1	<1
98-06-6	tert-Butylbenzene	1	<1
95-63-6	1,2,4-Trimethylbenzene	1	<1
583-93-2	Iso-Butylbenzene	1	<1
135-98-8	2-Butylbenzene	1	<1
99-87-6	4-Isopropyltoluene	1	<1
526-73-8	1.2.3-Trimethylbenzene	1	<1

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ID-/CAS-no.	Component	LOQ	Concentration
496-11-7	Indane	1	<1
141-93-5	1.3-Diethylbenzene	1	<1
95-13-6	Indene	1	<1
105-05-5	1.4-Diethylbenzene	1	<1
104-51-8	n-Butylbenzene	1	<1
493-02-7	trans-Decalin	1	<1
135-01-3	1.2-Diethylbenzene	1	<1
493-01-6	cis-Decaline	1	<1
95-93-2	1.2.4.5-Tetramethylbenzene	1	<1
527-53-7	1.2.3.5-Tetramethylbenzene	1	<1
488-23-3	1.2.3.4-Tetramethylbenzene	1	<1
100-18-5	1.4-Diisopropylbenzene	1	<1
2719-52-0	C11-Alkylbenzene (quant. als 1-Phenylpentane)	1	<1
119-64-2	Tetrahydronaphthalene	1	<1
99-62-7	1.3-Diisopropylbenzene	1	<1
1077-16-3	C12-Alkylbenzene (quant. als 1-Phenylhexane)	1	<1
4994-16-5	4-Phenylcyclohexene	1	<1
1078-71-3	C13-Alkylbenzene (quant. als 1-Phenylheptane)	1	<1
92-52-4	Biphenyle	1	<1
771-98-2	1-Phenylcyclohexene	1	<1
2189-60-8	C14-Alkylbenzene (quant. als 1-Phenylloctane)	1	<1
1081-77-2	C15-Alkylbenzene (quant. als 1-Phenylnonane)	1	<1
104-72-3	C16-Alkylbenzene (quant. als 1-Phenyldecane)**	1	<1
24157-81-1	Diisopropylnaphthalene (quant. als 2.6.-DIPN)**	1	<1
6742-54-7	C17-Alkylbenzene (quant. als 1-Phenylundecane)**	1	<1
108-95-2	Phenole	2	<2
108-95-2	2-Methylphenole (o-Cresole)	1	<1
106-44-5	3-/4-Methylphenole (m-/p-Cresole)	1	<1
108-68-9	2.6-Dimethylphenole	1	<1
90-00-6	2-Ethylphenole	1	<1
620-17-7/ 123-07-9 / 108-68-9	3-/4-Ethylphenole + 3.5-Dimethylphenole	1	<1
105-67-9 / 95-87-4	2.4-/2.5-Dimethylphenole	1	<1
526-75-0	2.3-Dimethylphenole	1	<1
95-65-8	3.4-Dimethylphenole	1	<1
88-69-7	2-Isopropylphenole	1	<1
2416-94-6	2.3.6-Trimethylphenole	1	<1
697-82-5	2.3.5-Trimethylphenole	1	<1
1470-94-6	5-Indanole	1	<1

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ID-/CAS-no.	Component	LOQ	Concentration
128-37-0	2,6-Ditert. Butylkresole (BHT)	1	<1
ID-S003	Sum of Aromates		0

Halogenated Hydrocarbons

75-29-6	2-Chlorpropane* 4)	4	<4
75-35-4	1,1-Dichlorethene* 4)	4	<4
75-09-2	Dichlormethane* 4)	4	<4
156-60-5	trans-1,2-Dichlorethene* 4)	1	<1
75-34-3	1,1-Dichlorethene* 4)	1	<1
156-59-2	cis-1,2-Dichlorethene	1	<1
67-66-3	Trichlormethane (Chloroform)	4	<4
71-55-6	1,1,1-Trichlorethane	1	<1
107-06-2	1,2-Dichlorethane	1	<1
56-23-5	Tetrachlormethane	1	<1
79-01-6	Trichlorethene	1	<1
75-27-4	Bromdichlormethane	1	<1
79-00-5	1,1,2-Trichlorethane	1	<1
124-48-1	Dibromchlormethane	1	<1
127-18-4	Tetrachlorethene	1	<1
108-90-7	Chlorbenzole	1	<1
630-20-6	1,1,1,2-Tetrachlorethane	1	<1
75-25-2	Tribrommethane (Bromoform)	1	<1
79-34-5	1,1,2,2-Tetrachlorethane	1	<1
108-86-1	Brombenzene	1	<1
76-01-7	Pentachlorethane	4	<4
541-73-1	1,3-Dichlorbenzene	1	<1
100-44-7	Benzylchloride	1	<1
106-46-7	1,4-Dichlorbenzene	1	<1
95-50-1	1,2-Dichlorbenzene	1	<1
67-72-1	Hexachlorethene	4	<4
108-70-3	1,3,5-Trichlorbenzene	1	<1
120-82-7	1,2,4-Trichlorbenzene	1	<1
87-68-3	Hexachlorbutadiene	4	<4
87-61-6	1,2,3-Trichlorbenzene	1	<1
91-58-7	2-Chlornaphthalene	1	<1
90-13-1	1-Chlornaphthalene	1	<1
1825-31-6	1,4-Dichlornaphthalene	1	<1
ID-S004	Sum of Halogenated Hydrocarbons		0

Terpenes

80-56-8	alpha-Pinene	1	<1
79-92-5	Camphene	1	<1
127-91-3	beta-Pinene	1	<1
4497-92-1	2-Caren	1	<1

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ID-/CAS-no.	Component	LOQ	Concentration
498-15-7	3-Caren	1	<1
99-86-5	alpha-Terpinene	1	<1
138-86-3	Limonene	1	<1
470-82-6	Eucalyptol	1	<1
99-85-4	gamma-Terpinene	1	<1
78-70-6	Linalool	1	<1
1632-73-1	Fenchol	1	<1
76-22-2	Camphor	1	<1
464-45-9	Borneol	5	<5
1490-04-6	Menthol	1	<1
10482-56-1	Terpineol	1	<1
1196-01-6	Verbenone	1	<1
106-22-9	Citronellol	10	<10
106-25-2	Nerol	10	<10
115-95-7	Linalylacetat	1	<1
106-24-1	Geraniol	1	<1
5655-61-8	Bornylacetate	1	<1
141-12-8	Nerylacetate	1	<1
105-87-3	Geranylacetate	1	<1
1137-12-8	Longicyclene	1	<1
121-33-5	Vanillin	10	<10
1135-66-6	Isolongifolene	1	<1
475-20-7	Longifolene	1	<1
87-44-5	beta-Caryophyllene	1	<1
ID-S005	Summe Terpene		0

Aldehydes 1)

78-84-2	Isobutyraldehyde* 4)	4	<4
123-72-8	n-Butanal* 4)	4	<4
123-73-9	trans/cis-2-Butenal	4	<4
590-86-3	Isovaleraldehyd	4	<4
110-62-3	Pentanal	4	<4
1576-87-0	trans-2-Pentenal	4	<4
66-25-1	Hexanal	4	<4
98-01-1	Furfural	4	<4
6728-26-3	trans-2-Hexenal	4	<4
111-71-7	Heptanal	4	<4
123-05-7	2-Ethylhexanal	4	<4
18829-55-5	trans-2-Heptenal	4	<4
100-52-7	Benzaldehyde	4	<4
124-13-0	Octanal	4	<4
2548-87-0	trans-2-Octenal	4	<4
124-19-6	Nonanal	4	<4
18829-56-6	trans-2-Nonenal	4	<4
112-31-2	Dekanal	4	<4
3913-81-3	trans-2-Decenal	4	<4
112-44-7	Undekanal	2	<2

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ID-/CAS-no.	Component	LOQ	Concentration
53448-07-0	trans-2-Undecenal	2	<2
112-54-9	Dodekanal	2	<2
ID-S006	Sum of Aldehydes		0

Ketones

67-64-1	Acetone* 4)	4	<4
78-94-4	Methylvinylketone* 4)	4	<4
78-93-3	2-Butanone	1	<1
563-80-4	3-Methyl-2-butanone	1	<1
107-87-9	2-Pentanone	1	<1
96-22-0	3-Pentanone	1	<1
108-10-1	4-Methyl-2-pentanone (MIBK)	1	<1
589-38-8	3-Hexanone	1	<1
591-78-6	2-Hexanone	1	<1
120-92-3	Cyclopentanone	1	<1
565-80-0	2,4-Dimethyl-3-pentanone	1	<1
141-79-7	Mesityloxid (4-Methyl-3-penten-2-one)	1	<1
123-19-3	4-Heptanone	1	<1
106-35-4	3-Heptanone	1	<1
110-43-0	2-Heptanone	1	<1
108-94-1	Cyclohexanone	1	<1
96-48-0	Butyrolactone	1	<1
108-92-2	Valerolactone	1	<1
106-68-3	3-Octanone	1	<1
111-13-7	2-Octanone	1	<1
502-56-8	5-Nonanone (Dibutylketone)		
98-86-2	Acetophenone	1	<1
78-59-1	Isophorone	1	<1
119-61-9	Benzophenone**	1	<1
ID-S007	Sum of Ketones		0

Esters

107-31-3	Methylformiate* 4)	4	<4
109-94-4	Ethylformiate* 4)	1	<1
79-20-9	Methyl acetate* 4)	1	<1
108-05-4	Vinyl acetate* 4)	1	<1
96-33-3	Methyl acrylate	1	<1
141-78-6	Ethyl acetate	1	<1
108-21-4	Isopropyl acetate	1	<1
140-88-5	Ethyl acrylate	1	<1
105-37-3	Ethylpropionate	1	<1
80-62-6	Methyl methacrylate	1	<1
109-60-4	n-Propy acetate	1	<1
592-84-7	n-Butylformiate	1	<1

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ID-/CAS-no.	Component	LOQ	Concentration
110-19-0	iso-Butyl acetate	1	<1
97-63-2	Ethyl methacrylate	1	<1
123-86-4	n-Butyl acetate	1	<1
141-32-2	n-Butyl acrylate	1	<1
109-21-7	n-Butyl-n-butyrate	1	<1
93-58-3	Methylbenzoate	1	<1
103-09-3	2-Ethylhexyl acetate	1	<1
103-11-7	2-Ethylhexyl acrylate	1	<1
106-65-0	DBE-Dimethylsuccinate	1	<1
1119-40-0	DBE-Dimethylglutarate	1	<1
627-93-0	DBE-Dimethyladipate	1	<1
925-06-4	DBE-IB-Succinate	1	<1
71195-64-7	DBE-IB-Glutarate	1	<1
141-04-8	DBE-IB-Adipate**	1	<1
105-76-0	Dibutylmaleinate	1	<1
112-39-0	Methylpalmitate**	1	<1
ID-S008	Sum of Esters		0

Glycol compounds

109-86-4	2-Methoxyethanol	1	<1
110-71-4	1,2-Dimethoxyethane	1	<1
107-98-2	1-Methoxy-2-propanol	1	<1
107-21-1	Ethylenglycol	20	<20
110-80-5	2-Ethoxyethanol	1	<1
57-55-6	1,2-Propylenglycol	10	<10
1569-02-4	1-Ethoxy-2-propanol	1	<1
6290-49-9	Methylmethoxyacetate	1	<1
109-59-1	2-Isopropoxyethanol	1	<1
2807-30-9	2-Propoxyethanol (EGMP)	1	<1
110-49-6	2-Methoxyethylacetate (EGMMA)	1	<1
1569-01-3	Propylenglycol-m-propylether (PGMP)	1	<1
57018-52-7	1-tert.Butoxy-2-propanol	1	<1
108-65-6	PG-m-methyletheracetate (PGMMA)	1	<1
111-76-2	2-Butoxyethanol	1	<1
111-15-9	Ethylglycolacetate (EGMEA)	1	<1
54839-24-6	1-Ethoxy-2-propylacetate	1	<1
29387-86-8	1,2-PG-m-butylether	1	<1
111-77-3	DEG-m-methylether	4	<4
111-96-6	DEG-di-methylether	1	<1
111-46-6	Diethylenglycol	20	<20
4435-53-4	3-Methoxybutylacetate	1	<1
34590-94-8	DPG-m-methylether	1	<1
111-90-0	DEG-m-ethylether	4	<4
111109-77-4	DPG-di-methylether	1	<1
25265-71-8	Dipropylenglycol	20	<20
112-07-2	Butylglycolacetate (EGMBA)	1	<1
112-25-4	Ethylenglycolhexylether	4	<4

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ID-/CAS-no.	Component	LOQ	Concentration
94247-68-4	DPG-m-propylether (DPGMP)	1	<1
112-15-2	DEG-m-ethyletheracetat e	1	<1
112-34-5	DEG-m-butylether	4	<4
112-49-2	TEG-di-methylether	4	<4
122-99-6	2-Phenoxyethanol	1	<1
29911-28-2	DPG-m-butylether	1	<1
770-35-4	Phenoxy-2-propanol	1	<1
24800-44-0	Tripropylenglycol	4	<4
20324-33-8	TPG-m-methylether	4	<4
124-17-4	DEG-m-butyletheracetate (DEGMBA)	4	<4
112-59-4	DEG-n-hexylether	10	<10
143-22-6	TEG-m-butylether	20	<20
55934-93-5	TPG-m-butylether	1	<1
ID-S009	Sum of Glycol compounds		0

Acids

64-19-7	Ethanoic acid 4)	4	<4
79-09-4	Propionic acid 4)	4	<4
79-31-2	Isobutanoic acid	4	<4
107-92-6	n-Butanoic acid 4)	4	<4
503-74-2	iso-Pentanoic acid	4	<4
116-53-0	2-Methylbutanoic acid	4	<4
109-52-4	Pentanoic acid	4	<4
142-62-1	Hexanoic acid	4	<4
111-14-8	Heptanoic acid	4	<4
149-57-5	2-Ethylhexanoic acid	4	<4
65-85-0	Benzoic acid	4	<4
124-07-2	Octanoic acid	4	<4
103-82-3	2-Phenylethanoic acid	4	<4
112-05-0	Nonanoic acid	4	<4
334-48-5	Decanoic acid	4	<4
	Sum of Acids		0

Siloxanes 2)

107-46-0	SI2 - Hexamethyldisiloxane	4	<4
541-05-9	D3 (Hexamethylcyclotrisiloxane)	4	<4
107-51-7	SI3 - Octamethyltrisiloxane	4	<4
556-67-2	D4 (Octamethylcyclotetrasiloxane)	4	<4
141-62-8	SI4 - Dekamethyltetrasiloxane	4	<4
541-02-6	D5 (Dekamethylcyclopentasiloxane)	4	<4
141-63-9	SI5 - Dodekamethylpentasiloxane	4	<4
540-97-6	D6 (Dodekamethylcyclohexasiloxane)	4	<4
ID-S013	Sum of Siloxanes		0

SGS order no.: 7178054

Project: VOC testing - source determination

Sample description: melamine faced chipboard

All informations in $\mu\text{g}/\text{m}^3$

ID-/CAS-no.	Component	LOQ	Concentration
Plasticisers			
25265-77-4	Texanole	1	<1
131-11-3	Dimethyl phthalate	1	<1
6846-50-0	TXIB**	1	<1
84-66-2	Diethyl phthalate**	1	<1
84-69-5	Diisobutyl phthalate**	1	<1
84-74-2	Dibutyl phthalate**	1	<1
117-81-7	Diethylhexyl phthalate**	1	<1
ID-S011	Sum of Plasticisers		0
PAK			
91-20-3	Naphthalene	1	<1
91-57-6	2-Methylnaphthalene	1	<1
90-12-0	1-Methylnaphthalene	1	<1
569-41-5	C2-Alkylnaphthalenes (quant. als 1,4-Dimethylnaphthalene)	1	<1
208-96-8	Acenaphthylene	1	<1
83-32-9	Acenaphthene	1	<1
86-73-7	Fluorene**	1	<1
85-01-8	Phenanthrene**	1	<1
120-12-7	Anthracene**	1	<1
206-44-0	Fluoranthene**	1	<1
129-00-0	Pyrene**	1	<1
ID-S014	Sum of PAK		0

SGS order no.: 7178054

Project: VOC testing - source determination

Sample description: melamine faced chipboard

All informations in µg/m³

ID-/CAS-no.	Component	LOQ	Concentration
Other compounds			
1634-04-4	MTBE* 4)	2	<2
534-22-5	2-Methylfuran	2	<2
930-27-8	3-Methylfuran	2	<2
109-99-9	Tetrahydrofuran	1	<1
127-06-0	Aceton oxime	2	<2
121-44-8	Triethylamine	1	<1
75-12-7	Formamide	20	<20
123-91-1	1.4-Dioxane	4	<4
110-86-1	Pyridine	4	<4
123-39-7	N-Methylformamide	5	<5
68-12-2	Dimethylformamide	1	<1
96-29-7	2-Butan onoxime	2	<2
623-40-5	2-Pentan onoxime	2	<2
105-44-2	4-Methyl-2-pentan onoxime	2	<2
96-23-1	Dichloropropanol	1	<1
62-53-3	Aniline	4	<4
108-32-7	Propylen carbonate	1	<1
3777-69-3	2-Pentylfuran	1	<1
105-60-2	Caprolactam	2	<2
761-65-9	Dibutylformamide	1	<1
95-16-9	Benzothiazole	2	<2
120-72-9	Indole	2	<2
54-11-5	Nicotin	2	<2
83-34-1	Skatole	2	<2
2682-20-4	2-Methyl-4-isothiazolinone (MIT)	2	<2
26172-55-4	5-Chloro-2-methyl-4-isothiazoln-3-one (CIT)	2	<2
2634-33-5	1.2-Benzisothiazol-3(2H)-one	20	<20
872-50-4	N-Methylpyrrolidone	1	<1
2687-91-4	N-Ethylpyrrolidone	1	<1
88-12-0	N-Vinylpyrrolidone	1	<1
512-56-1	Trimethyl phosphate	2	<2
78-40-0	Triethyl phosphate	2	<2
126-73-8	Tributyl phosphate**	2	<2
115-96-8	TCEP**	2	<2
13674-84-5	TCIPP**	2	<2
ID-S012	Sum of Other compounds		0

Summe TVOC_{MEQ} (C6–C16) as TÄ:

Summe TVOC_{ID} (C6–C16):

contains an unidentified compound as TE

Summe VVOC (<C6)*

SGS order no.: 7178054

Project: VOC testing - source determination

Sample description: melamine faced chipboard

All informations in $\mu\text{g}/\text{m}^3$

ID-/CAS-no.	Component	LOQ	Concentration
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Summe SVOC (>C16)**			0
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Information on measurement uncertainty

All analytical results are given without taking the expanded measurement uncertainty into account.

Due to the parameter scope of the VOC screening method, the expanded measurement uncertainty ($k=2$) was determined for selected substances. For all compounds not listed, the expanded measurement uncertainty is estimated at 30%.

Expanded measurement uncertainty ($k=2$) determined for selected compounds		
78-93-3	2-Butanone	30%
71-55-6	1,1,1-Trichlorethane	30%
589-34-4	3-Methylhexane	30%
71-36-3	n-Butanol	28%
108-88-3	Toluene	34%
123-86-4	n-Butylacetate	26%
108-95-2	Phenole	30%
104-76-7	2-Ethyl-1-hexanol	30%
5989-27-5	Limonene	25%
106-46-7	1,4-Dichlorbenzene	30%
1120-21-4	Undekane	32%
872-50-4	N-Methylpyrrolidone	30%
91-20-3	Naphthalene	30%
1196-01-6	Verbenon	30%
122-99-6	Phenoxyethanol	34%
544-76-3	Hexadekane	30%
6846-50-0	TXIB	30%