

Table 3. Table showing all the sulphur-containing volatiles reported in the literature that have been detected in faeces, urine, breath, skin secretions, milk, blood and saliva from healthy humans (alphabetical listing)

CAS-number	Compound name	Faeces	Urine	Breath	Skin	Milk	Blood	Saliva
34277-65-1	acetylthiocarbamic acid, methyl ester				Sk			
870-23-5	allyl mercaptan		U					Sa
2179-58-0	allyl methyldisulfide		U					
10152-76-8	allyl methylsulfide		U	Br				Sa
5925-74-6	benzene ethanethioic acid, S-methyl ester	F						
95-16-9	1,3-benzothiazole			Br	Sk			
2432-51-1	butane thioic acid, S-methyl ester	F						
56484-52-7	o-2-(butenylthio)phenol				Sk			
3622-84-2	N-butyl-benzenesulfonamide	F						
592-82-5	butylisothiocyanate		U					
75-15-0	carbon disulphide	F	U	Br	Sk	M		
463-58-1	carbonyl sulphide			Br		M		
2179-57-9	diallyl disulphide		U					
29926-41-8	1-(4,5-dihydro-2-thiazolyl)-ethanone	F						
1003-10-7	dihydro-2-(3H)-thiophenone	F	U					
624-92-0	dimethyldisulfide	F	U			M		Sa
75-18-3	dimethylsulfide / thiopropane	F		Br	Sk		Bl	
67-71-0	dimethylsulfone		U	Br	Sk			
67-68-5	dimethylsulfoxide	F	U	Br			Bl	
77-78-1	dimethyl sulfuric acid ester	F						
5756-24-1	dimethyltetrasulfide		U					
758-16-7	dimethylthioformamide			Br				
632-15-5	3,4-dimethylthiophene		U					
638-00-6	2,4-dimethylthiophene		U					
6972-05-0	N,N-dimethylthiourea				Sk			
3658-80-8	dimethyltrisulfide	F	U					Sa
629-19-6	dipropyldisulfide	F						
1534-08-3	ethanethioic acid, S-methyl ester	F		Br				
624-89-5	ethylmethylsulfide		U	Br				
24050-09-7	2-ethyl-1,3-thiazolidine			Br				
872-55-9	2-ethylthiophene			Br				
5454-45-5	3-(ethylthio)propanal			Br				
7783-06-4	hydrogen sulphide	F		Br				
3386-97-8	4-isothiocyanato-1-butene		U					
1122-82-3	isothiocyanatocyclohexane			Br				
56601-42-4	isothiocyanatocyclopropane		U					Sa
556-61-6	isothiocyanatomethane	F						
57-06-7	3-isothiocyanato-1-propene	F	U	Br				Sa
24653-75-6	mercaptoacetone	F		Br				
124-63-0	methanesulfonylchloride ^A				Sk			
74-93-1	methanethiol / thiomethane	F	U	Br	Sk			
23747-45-7	3-methylbutanethioic acid, S-methyl ester	F						
37174-63-3	methyl-N,N-diethylthiocarbamate				Sk			Sa
4396-19-4	1,1'-(methylene-bis(thio))bis ethane		U					

CAS-number	Compound name	Faeces	Urine	Breath	Skin	Milk	Blood	Saliva
146420-36-2	methylisothiazole				Sk			
693-97-0	5-methylisothiazole		U					
28588-74-1	2-methylmercaptofuran		U					
13678-59-6	2-methyl-5-(methylthio)furan		U					
42474-44-2	methyl (methylthio) methyl disulfide	F						
75-66-1	2-methyl-2-propanethiol		U					
2179-60-4	methylpropyldisulfide	F	U					
227456-33-9	2-methyl-3-sulfanylbutan-1-ol				Sk			
307964-23-4	3-methyl-3-sulfanylhexasan-1-ol				Sk			
3581-87-1	2-methylthiazole			Br				
22438-40-0	3-methylthietane				Sk			
420-12-2	methylthiirane		U					
628-29-5	1-methylthiobutane				Sk			
59121-24-3	4-methylthiobutane nitrile		U					
556-64-9	methyl thiocyanate	F	U					
554-14-3	2-methylthiophene			Br				
616-44-4	3-methylthiophene	F		Br				
7210-64-2	5-methyl-2(5H)thiophenone				Sk	M		
3268-49-3	3-(methylthio)-propanal	F	U			M		
3877-15-4	1-(methylthio)-propane	F		Br				Sa
22551-26-4	3-(methylthio)-1,2-propanediol				Sk			
505-10-2	3-(methylthio)-1-propanol	F						
42848-06-6	1-(methylthio)-1-propene, (1E)-	F		Br				Sa
52195-40-1	1-(methylthio)-1-propene, (Z)-			Br				Sa
598-52-7	1-methyl-2-thiourea			Br				
616-31-9	3-pentanethiol		U					
5925-75-7	propanethioc acid, S-methyl ester	F	U					
107-03-9	1-propanethiol	F	U					
1072-43-1	propylenesulfide		U	Br				
548740-99-4	3-sulfanylpentan-1-ol				Sk			
51755-83-0	2-sulfanylhexasan-1-ol				Sk			
80-07-9	1,1'-sulfonylbis(4-chlorobenzene)				Sk			
7446-09-5	sulfur dioxide			Br		M		
2782-91-4	1,1,3,3-tetramethyl-2-thiourea			Br				
288-47-1	1,3-thiazole			Br				Sa
504-78-9	thiazolidine				Sk			
507-09-5	thioacetic acid		U					
76926-49-3	thiocarbamic acid, butyl ester				Sk			
112-55-0	1-thiododecane				Sk			
75-08-1	thioethanol			Br				
110-02-1	thiophene		U	Br				
62-56-6	thiourea				Sk			

NOTES

- ui unidentified isomer
- na no CAS-number available
- A very unlikely reacts with water

