

Emissions to air from the former Bayer site at Hauxton, Cambridgeshire - 24 hour Monitoring Data

Compound (a)	Maximum air concentration (ppb) per 24hours (concentration exceeding 1ppb are reported only) (b)																							
	03/06/10	04/06/10	05/06/10	06/06/10	07/06/10	08/06/10	09/06/10	10/06/10	11/06/10	12/06/10	13/06/10	14/06/10	15/06/10	16/06/10	17/06/10	18/06/10	19/06/10	20/06/10	21/06/10	22/06/10	23/06/10	24/06/10	25/06/10	
Acetic Acid																								
Benzene, 1-chloro-2-methyl																								
Benzene, 1,3-dichloro					1.7	2.23						1.2		1.78	1.64	1.36				1.34				
Benzene, 1,3-dichloro-2-methyl												1.02												
Benzene, 1,2-dichloro 3-methyl																								
Benzene, 1,4-dichloro																								
Benzene, 1,4-dichloro-2-methyl													2.54	3	3	1.67					1.39		1	
Benzene, 1,2,3-trichloro-4-methyl																								
Benzene, 1,2,4-trichloro-3-methyl																								
Benzene, 1,2,3-trichloro																								
Benzene, 1,2,4-trimethyl															1.28									
Benzene, 1,3,5-trimethyl																								
Benzeneacetic acid																								
Benzenepropanoic acid																								
Bis (2-chloroethyl) ether														1.02										
Butanoic acid																								
Butanoic acid, 3-methyl																								
Butyrolactone																								
Disulfide, dimethyl																								
N,N-Dimethyl-2-aminoethanol																								
Ethane, 1,1,2,2-tetrachloro-																								
Ethanol																								
Ethyl acetate																								
Ethylbenzene																1.76	1.22							
Heptadecane																								
Heptane 2,2,4,6,6-pentamethyl																								
n-Hexadecanoic acid																								
cis-9-Hexadecenoic acid																								
Heptane																								
Hydroquinone																								
Indole																								
Isopropyl alcohol																								
Naphthalene																								
Naphthalene 1-methyl														1.02	1.36	1.09								
Naphthalene 2-methyl																								
Nonane																								
Octane																								
Pentadecane																								
Pentanoic acid, 2-methyl																								
Pentanoic acid, 4-methyl																								
2-Piperidinone																								
2,5-Piperazinedione, 3-methyl-6-(phenylmethyl)-																								
Phenol, 2,4-dichloro-6-methyl																						1.11		
2-Pyrrolidinone																								
Pyrrolidinone																								
Pyrolo[1,2-a]pyrazine-1, 1,4-dione, hexahydro																								
o-Xylene														1.36	1.55									
p-Xylene						1.17						2.28	2.54	4	6	5				1.39	1.1	1.24	1.41	
mp-Xylene																								
Tetrachloroethylene	3				1.24	7		<1				5	5	7	4	3				4	5	4	8	8
Tetradecanoic acid																								
Toluene	6				6	16	1.26	<1	1.92				18	17	29	50	46			21	17	17	20	16
Trichloroethylene																								
Tridecane																								

Location of maximum concentration are identified using the following colour coding (values in **bold italics** exceed guideline):

- MH (Mill House)
- SS (substation)
- GA (gardens)

10/06/10 - no VOC results above 1ppb

Maximum air concentration (ppb) per 24hours (concentration exceeding 1ppb are reported only) (b)

Compound (a)	26/06/10	27/06/10	28/06/10	29/06/10	30/06/10	01/07/10	02/07/10	03/07/10	04/07/10	05/07/10	06/07/10	07/07/10	08/07/10	09/07/10	10/07/10	11/07/10	12/07/10	13/07/10	14/07/10	15/07/10	16/07/10	
Acetic Acid																						
Benzene, 1-chloro-2-methyl																						
Benzene, 1,3-dichloro			3								2.35	1.39	3	1.02								
Benzene, 1,3-dichloro-2-methyl																						
Benzene, 1,2-dichloro 3-methyl										1.17	1.18		1.99						1.25			
Benzene, 1,4-dichloro				3	3	23	7															
Benzene, 1,4-dichloro-2-methyl																						
Benzene, 1,2,3-trichloro-4-methyl																						
Benzene, 1,2,4-trichloro-3-methyl																						
Benzene, 1,2,3-trichloro																						
Benzene, 1,2,4-trimethyl																						
Benzene, 1,3,5-trimethyl																						
Benzeneacetic acid																						
Benzenepropanoic acid																						
Bis (2-chloroethyl) ether													1.37									
Butanoic acid																						
Butanoic acid, 3-methyl																						
Butyrolactone																						
Disulfide, dimethyl																						
N,N-Dimethyl-2-aminoethanol																						7
Ethane, 1,1,2,2-tetrachloro-			1.04																			
Ethanol				43						16												
Ethyl acetate				1.1																		
Ethylbenzene																			1.24			
Heptadecane																						
Heptane 2,2,4,6,6-pentamethyl																						
n-Hexadecanoic acid																						5
cis-9-Hexadecenoic acid																						2
Heptane																						
Hydroquinone																						5
Indole																						1.64
Isopropyl alcohol																						
Naphthalene																						
Naphthalene 1-methyl																						
Naphthalene 2-methyl																						
Nonane																						
Octane																						
Pentadecane				2																		
Pentanoic acid, 2-methyl																						
Pentanoic acid, 4-methyl																						
2-Piperidinone																						
2,5-Piperazinedione, 3-methyl-6-(phenylmethyl)-																						1.36
Phenol, 2,4-dichloro-6-methyl																						
2-Pyrrolidinone																						6
Pyrrolidinone																						3
Pyrrolo[1,2-a]pyrazine-1, 1,4-dione, hexahydro																						3
o-Xylene																						
p-Xylene			2.12								1.2		1.91				2.04		5	1.51	1.53	
mp-Xylene				1.61	1.03	2.97	1.63															
Tetrachloroethylene			5	13	7	15	16			20	10	8	13	10			3	3	9	6	8	
Tetradecanoic acid																						
Toluene			19	28	32	104	45			47	21	12	18	8			12	6	33	13	18	
Trichloroethylene																						
Tridecane				2			4															

Location of maximum concentration are identified usi

MH (Mill House)

SS (substation)

GA (gardens)

Maximum air concentration (ppb) per 24hours (concentration exceeding 1ppb are reported only) (b)

Compound (a)	17/07/10	18/07/10	19/07/10	20/07/10	21/07/10	22/07/10	23/07/10	24/07/10	25/07/10	26/07/10	27/07/10	28/07/10	29/07/10	30/07/10	31/07/10	01/08/10	02/08/10	03/08/10	04/08/10	05/08/10	06/08/10	
Acetic Acid																						
Benzene, 1-chloro-2-methyl							2.71						1.81				1.43			1.1		
Benzene, 1,3-dichloro			12	8	7	1.91	12										3.45					
Benzene, 1,3-dichloro-2-methyl																			1.61			
Benzene, 1,2-dichloro 3-methyl							3										1.27					
Benzene, 1,4-dichloro									1.48	1.38			1.99				8.28		2.03	2.67	1.49	
Benzene, 1,4-dichloro-2-methyl													1.4				4.66		4.09	2.02		
Benzene, 1,2,3-trichloro-4-methyl																	1.35					
Benzene, 1,2,4-trichloro-3-methyl							2				1.2	1.04	5				3.07	1.17	2.54	2.08	1.02	
Benzene, 1,2,3-trichloro																						
Benzene, 1,2,4-trimethyl																			1.2			
Benzene, 1,3,5-trimethyl													1.61									
Benzeneacetic acid																						
Benzenepropanoic acid																						
Bis (2-chloroethyl) ether							1.58															
Butanoic acid																						
Butanoic acid, 3-methyl																						
Butyrolactone																						2.82
Disulfide, dimethyl																				5.06	2.37	
N,N-Dimethyl-2-aminoethanol																						
Ethane, 1,1,2,2-tetrachloro-																						69
Ethanol																						
Ethyl acetate																						
Ethylbenzene													3.06						1.95	1.55		
Heptadecane											2											
Heptane 2,2,4,6,6-pentamethyl																						
n-Hexadecanoic acid																						
cis-9-Hexadecenoic acid																						
Heptane																						
Hydroquinone																						
Indole																						
Isopropyl alcohol																						
Naphthalene																						
Naphthalene 1-methyl																						
Naphthalene 2-methyl																						
Nonane																						
Octane																						
Pentadecane																						
Pentanoic acid, 2-methyl																						
Pentanoic acid, 4-methyl																						
2-Piperidinone																						
2,5-Piperazinedione, 3-methyl-6-(phenylmethyl)-																						
Phenol, 2,4-dichloro-6-methyl																	1.12					
2-Pyrrolidinone																						
Pyrrolidinone																						
Pyrolo[1,2-a]pyrazine-1, 1,4-dione, hexahydro																						
o-Xylene											3.2	4	13							1.94		
p-Xylene			2.27	1.14	1.74		4			2.66							4.59	2.17	8.63	5.71		
mp-Xylene																						2.96
Tetrachloroethylene			8	10	9	11	18			7	12	9	16	8			19.41	11.75	15.44	14	17	
Tetradecanoic acid																						
Toluene			28	21	12	18	29			13	13	15	34	11			24.91	18.53	74.92	32	41	
Trichloroethylene																						
Tridecane																						

Location of maximum concentration are identified usi

MH (Mill House)

SS (substation)

GA (gardens)

Maximum air concentration (ppb) per 24hours (concentration exceeding 1ppb are reported only) (b)

Compound (a)	07/08/10	08/08/10	09/08/10	10/08/10	11/08/10	12/08/10	13/08/10	14/08/10	15/08/10	16/08/10	17/08/10	18/08/10	19/08/10	20/08/10	21/08/10	22/08/10	23/08/10	24/08/10	25/08/10	26/08/10	27/08/10	
Acetic Acid																					7.24	1.90
Benzene, 1-chloro-2-methyl				1.33		2.38	2.12															
Benzene, 1,3-dichloro										1.41	1.45			1.43	15			6	7		3.11	3.16
Benzene, 1,3-dichloro-2-methyl																						
Benzene, 1,2-dichloro 3-methyl																						
Benzene, 1,4-dichloro			1.06		1.89	3.38	1.17															
Benzene, 1,4-dichloro-2-methyl																						
Benzene, 1,2,3-trichloro-4-methyl																						
Benzene, 1,2,4-trichloro-3-methyl			1.1			1.5	1.73			1.26				1.03					1.1			1.21
Benzene, 1,2,3-trichloro																			2.11			
Benzene, 1,2,4-trimethyl						1.76																2.48
Benzene, 1,3,5-trimethyl																						
Benzeneacetic acid																		73				
Benzenepropanoic acid																		103				
Bis (2-chloroethyl) ether										1.32												
Butanoic acid																		84				
Butanoic acid, 3-methyl																		63				
Butyrolactone																						
Disulfide, dimethyl																						
N,N-Dimethyl-2-aminoethanol																						
Ethane, 1,1,2,2-tetrachloro-																						
Ethanol																						
Ethyl acetate																						
Ethylbenzene			1.21	1.79	1.08														1.17		1.03	10
Heptadecane																						
Heptane 2,2,4,6,6-pentamethyl																						5
n-Hexadecanoic acid																		45				
cis-9-Hexadecenoic acid																						
Heptane						2.17																
Hydroquinone																						
Indole																		26				
Isopropyl alcohol			1.18		1.44																	
Naphthalene																			1.21			
Naphthalene 1-methyl																						1.56
Naphthalene 2-methyl																						
Nonane						1.81																
Octane						2.27				1.14												
Pentadecane																						
Pentanoic acid, 2-methyl																		31				
Pentanoic acid, 4-methyl																		66				
2-Piperidinone																		333				
2,5-Piperazinedione, 3-methyl-6-(phenylmethyl)-																						
Phenol, 2,4-dichloro-6-methyl																						
2-Pyrrolidinone																						
Pyrrolidinone																						
Pyrolo[1,2-a]pyrazine-1, 1,4-dione, hexahydro																						
o-Xylene																					1	8
p-Xylene										1.93				2.09				2.22	4.27		4.34	25
mp-Xylene			3.64	4.36	2.87	3.77	3.54															
Tetrachloroethylene			12	13	9	53	17			12	7	3.95	9	14				8	17	<1	12	15
Tetradecanoic acid																		17				
Toluene			24	18	12	9	26			30	9	3.74	13	28				9	22	<1	10	14
Trichloroethylene						2.87	2.95			1.33												2.58
Tridecane																						

Location of maximum concentration are identified usi

MH (Mill House)

SS (substation)

GA (gardens)

Maximum air concentration (ppb) per 24hours (concentration exceeding 1ppb are reported only) (b)																						
Compound (a)	28/08/10	29/08/10	30/08/10	31/08/10	01/09/10	02/09/10	03/09/10	04/09/10	05/09/10	06/09/10	07/09/10	08/09/10	09/09/10	10/09/10	11/09/10	12/09/10	13/09/10	14/09/10	15/09/10	16/09/10	17/09/10	
Acetic Acid																					2.87	
Benzene, 1-chloro-2-methyl																					1.63	
Benzene, 1,3-dichloro				3.27	6	3.78	7				1.76	3.08						14	16			
Benzene, 1,3-dichloro-2-methyl																						
Benzene, 1,2-dichloro 3-methyl					1.67		1.53				1.27										2.35	
Benzene, 1,4-dichloro																						
Benzene, 1,4-dichloro-2-methyl																						
Benzene, 1,2,3-trichloro-4-methyl					1.82						1.21	1.8									2.11	
Benzene, 1,2,4-trichloro-3-methyl				1.69	4	1.47	3.3			1.41	2.9	2.35					4.25	1.59	1.57	5		
Benzene, 1,2,3-trichloro																					2.01	
Benzene, 1,2,4-trimethyl																						
Benzene, 1,3,5-trimethyl					1.54																	
Benzeneacetic acid																						
Benzenepropanoic acid																						
Bis (2-chloroethyl) ether					1.29						2.76										2.7	
Butanoic acid																						
Butanoic acid, 3-methyl																						
Butyrolactone																						
Disulfide, dimethyl																						
N,N-Dimethyl-2-aminoethanol																						
Ethane, 1,1,2,2-tetrachloro-																						
Ethanol																						
Ethyl acetate																						
Ethylbenzene				1.18								4.16									1.87	
Heptadecane																						
Heptane 2,2,4,6,6-pentamethyl					1.37															1.17		
n-Hexadecanoic acid																						
cis-9-Hexadecenoic acid																						
Heptane																						
Hydroquinone																						
Indole																						
Isopropyl alcohol																						
Naphthalene							3.46					1.73										
Naphthalene 1-methyl							5					2.12										
Naphthalene 2-methyl							1.65															
Nonane																						
Octane																						
Pentadecane																						
Pentanoic acid, 2-methyl																						
Pentanoic acid, 4-methyl																						
2-Piperidinone																						
2,5-Piperazinedione, 3-methyl-6-(phenylmethyl)-																						
Phenol, 2,4-dichloro-6-methyl					1.22						2.11											
2-Pyrrolidinone																						
Pyrrolidinone																						
Pyrolo[1,2-a]pyrazine-1, 1,4-dione, hexahydro																						
o-Xylene				1.08		1.13						4.28										
p-Xylene				5.08	2.54	3.92	3.98				2.05	15	1.71	1.49			1.04	1.63	1.68	7		
mp-Xylene																						
Tetrachloroethylene				15	24	8	23			16	25	17	4.01	11			10	13	13	26		
Tetradecanoic acid																						
Toluene				24	12	4.3	10			3.52	11	10	3.82	28			9	20	20	42		
Trichloroethylene							3.45				1.5											
Tridecane																						

Location of maximum concentration are identified usi

MH (Mill House)

SS (substation)

GA (gardens)

Available Guidelines and Standards

Compound (a)	WHO Air Quality Guidelines (ppb) (c)	UK long term Environmental Assessment Level (ppb) (d)	Irritation threshold (ppb) 8hrs exposure unless stated (e)	Workplace Exposure Levels (WELs). Long Term Exposure Level (8hour) (ppb) (f)	Acute Exposure Guideline Level (AEG) Level 1 8hour (ppb) (g)	VOC concentrations in indoor air (h) (ppb)		
						Existing Residential	New Residential	Office
Acetic Acid	N/A	101.8	10000	(10000 ACGIH TLV TWA)	N/A	81	280	
Benzene, 1-chloro-2-methyl	N/A	N/A	50000	(50000 ACGIH TLV TWA)	N/A			
Benzene, 1,3-dichloro	N/A	N/A	80000 (10ppb US ATSDR Chronic ≥1 year MRL)	25000 (para-dichlorobenzene)	N/A			
Benzene, 1,3-dichloro-2-methyl	N/A	N/A		N/A	N/A			
Benzene, 1,2-dichloro-3-methyl	N/A	N/A		N/A	N/A			
Benzene, 1,4-dichloro	N/A	254	80000	25000	N/A	26		7
Benzene, 1,4-dichloro-2-methyl	N/A	N/A		N/A	N/A			
Benzene, 1,2,3-trichloro-4-methyl	N/A	10.25 (1,2,4 trichlorobenzene)	3000 (total trichlorobenzenes)	N/A	N/A			
Benzene, 1,2,4-trichloro-3-methyl	N/A	10.25 (1,2,4 trichlorobenzene)	3000 (total trichlorobenzenes)	N/A	N/A			
Benzene, 1,2,3-trichloro	N/A	N/A	3000-5000	1000 (1,2,4 trichlorobenzene)	N/A			
Benzene, 1,2,4-trimethyl	N/A	254 total trimethylbenzenes	25000 (no effect for 2 hrs) total trimethylbenzenes	25000 (trimethylbenzene all isomer or mixtures)	45000			2.9
Benzene, 1,3,5-trimethyl	N/A	254 total trimethylbenzenes	25000 (no effect for 2 hrs) total trimethylbenzenes	25000 (trimethylbenzene all isomer or mixtures)	45000	6.5		1.1
Benzenecarboxylic acid	N/A	N/A		N/A	N/A			
Benzenepropanoic acid	N/A	N/A		N/A	N/A			
Bis (2-chloroethyl) ether	N/A	N/A	(no irritation at <35000ppm)	(5000 ACGIH TLV TWA)	N/A			
Butanoic acid	N/A	N/A	(mild skin irritant levels at which irritation could occur not noted in literature)	N/A	N/A			
Butanoic acid, 3-methyl	N/A	N/A	(levels at which irritation could occur not noted in literature)	N/A	N/A			
Butyrolactone	N/A	N/A		N/A	N/A			
Disulfide, dimethyl	N/A	N/A		(500 ACGIH TLV TWA)	N/A			
N,N-Dimethyl-2-aminoethanol	N/A	N/A		2000	N/A			
Ethane, 1,1,2,2-tetrachloro-	N/A	N/A	145000 (for 30 mins - irritation)	(1000 ACGIH TLV TWA)	N/A			
Ethanol	N/A	N/A	8840000 (for 1 hour - nasal irritation and momentary intolerable odour)	1000000	N/A			
Ethyl acetate	N/A	N/A	(>400000 for 3-5 minutes can lead to irritation of eye, nose and throat)	200000	N/A			
Ethylbenzene	N/A	1016	100000 irritant for long term exposure (total ethyl benzenes)	100000	33000			
Heptadecane	N/A	N/A		N/A	N/A			
Heptane 2,2,4,6,6-pentamethyl	N/A	N/A		N/A	N/A			
n-Hexadecanoic acid	N/A	N/A		N/A	N/A			
cis-9-Hexadecenoic acid	N/A	N/A		N/A	N/A			
Heptane	N/A	N/A		500000	N/A			
Hydroquinone	N/A	N/A	(levels at which irritation could occur not noted in literature)	110	N/A			
Indole	N/A	N/A		N/A	N/A			
Isopropyl alcohol	N/A	N/A	400000	400000	N/A			
Naphthalene	N/A	N/A	75000	(10000 Naphthalene ACGIH TLV TWA)	N/A	0.95		1.9
Naphthalene 1-methyl	N/A	N/A	75000	(10000 Naphthalene ACGIH TLV TWA)	N/A			
Naphthalene 2-methyl	N/A	N/A	75000	(10000 Naphthalene ACGIH TLV TWA)	N/A			
Nonane	N/A	N/A	(levels at which irritation could occur not noted in literature)	(200000 ACIGH TLV TWA)	N/A			
Octane	N/A	N/A	310224	(300000 ACIGH TLV TWA)	N/A			
Pentadecane	N/A	N/A	(levels at which irritation could occur not noted in literature)	N/A	N/A			
Pentanoic acid, 2-methyl	N/A	N/A	(no human data)	N/A	N/A			
Pentanoic acid, 4-methyl	N/A	N/A	(no irritant data in literature)	N/A	N/A			
2-Piperidinone	N/A	N/A		N/A	N/A			
2,5-Piperazinedione, 3-methyl-6-(phenylmethyl)-	N/A	N/A		N/A	N/A			
Phenol, 2,4-dichloro-6-methyl	N/A	N/A	5000	N/A	N/A			
2-Pyrrolidinone	N/A	N/A		N/A	N/A			
Pyrrolidinone	N/A	N/A		N/A	N/A			
Pyrrolo[1,2-a]pyrazine-1, 1,4-dione, hexahydro	N/A	N/A		N/A	N/A			
o-Xylene	N/A	1016 (total xylenes)	110000 (total xylenes)	50000	130000	14	4.4	3.5
p-Xylene	N/A	1016 (total xylenes)	110000 (total xylenes)	50000	130000	67	11	10
mp-Xylene	N/A	1016 (total xylenes)	110000 (total xylenes)	50000	130000	67	11	10
Tetrachloroethylene	37	509	50000	50000	35000			
Tetradecanoic acid	N/A	N/A	(moderate irritant but levels at which irritation could occur not noted in literature)	N/A	N/A			
Toluene	69	507	50000	50000	200000			
Trichloroethylene	43000, 4300, 430 #	205	200000 (transient eye irritation)	100000	77000			
Tridecane	N/A	N/A	(levels at which irritation could occur not noted in literature)	N/A	N/A			

# Based on excess lifetime risk of 1:10 000, 1:100 000 and 1:1 000 000

Location of maximum concentration are identified usi

- MH (Mill House)      US ATSDR = United States Agency For Toxic Substances And Disease Registry. MRL = Minimum Risk Level
- SS (substation)      ACGIH = American Conference of Governmental Industrial Hygienists. TLV = Threshold Limit Values
- GA (gardens)      OEL = Occupational exposure limit. US CDC = United States Centre for Disease Control.

**Guide to the VOC monitoring results summary sheet**

This summary presents the results of 24 hour VOC monitoring results from 3 locations: Mill House to the north of the site, gardens to the south of the site and substation on the site. The maximum VOCs found at levels above 1 part per billion are listed. The names of the chemicals, the levels found and data about the identified VOCs are presented in horizontal rows across the table.

**Column (a) - Lists the individual VOCs identified above 1ppb.**

**Column (b) - Lists the maximum monitoring results for these VOCs and identifies the location of the maximum concentration.**

**Column (c) - Lists the World Health Organisation air quality guideline levels for the VOCs, where available. These guideline levels provide a basis for protecting public health from adverse effects of air pollution. They are calculated to protect the health of the whole population, including susceptible groups, based on a lifetime exposure to the chemicals.**

**Column (d) - Lists the Environmental assessment levels (EALs) for the identified VOCs. EALs are calculated for the protection of health by the Environment Agency. They are used to provide direction in the risk management decisions for industrial processes under the Environmental Permitting (England and Wales) Regulations 2010.**

**Column (e) - Lists the results of studies of health effects arising from exposure to VOCs. The levels shown indicate the amount of the VOC required in the air to lead to health effects such as irritation. Taken from Bingham et al, Patty's Toxicology 5th Ed, Wiley Ltd, 2001**

**Column (f) - List Long Term Workplace Exposure Levels (WELs) as detailed in Health and Safety Executive (HSE) EH40 Workplace exposure limits, updated 2007. Values in brackets are American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values (TLV) based on 8hour time weighted average (TWA)**

**Column (g) - Lists the US Environmental Protection Agency's (US EPA) Acute Exposure Guideline Levels (AEGLs). AEGLs represent threshold exposure limits via inhalation for the general public and are applicable to emergency exposure periods ranging from 10 minutes to 8 hours. AEGL-1 is the airborne concentration, expressed as parts per billion of a substance above which it is predicted that the general population, including susceptible individuals, could experience notable discomfort, irritation, or certain asymptomatic nonsensory effects. However, the effects are not disabling and are transient and reversible upon cessation of exposure.**

**(<http://www.epa.gov/opptintr/aegl/> )**

**Column (h) - Lists the maximum levels of the VOCs found in a study of indoor air quality in the US. taken from A.T. Hodgson and H. Levin, 2003. Classification of Measured Indoor Volatile Organic Compounds Based on Noncancer Health and Comfort Considerations. LBNL 53308. Berkeley.**

**<http://eetd.lbl.gov/ied/pdf/LBNL-53308.pdf>. Affairs in 2002**