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Table 1. Correction Factors for Measuring Various Compounds by PID

Compound Name	Formula	CAS No.	m.w.	b.p. (°C)	TWA* (ppm)	CF @ 9.8 eV	CF @ 10.6 eV	IE (eV)
Acetaldehyde	C2H4O	75-07-0	44.1	21	C25	0	6	10.23
Acetamide	C2H5NO	60-35-5	59.1			0	2.1	9.69
Acetic acid	C2H4O2	64-19-7	60.1	118	10	0	22	10.68
Acetic anhydride	C4H6O3	108-24-7	102.1		5	0	6.1	10.14
Acetoin	C4H8O2	513-86-0	88.1			2	1.1	~9.6
Acetone	C3H6O	67-64-1	58.1	56	250	1.2	1.1	9.69
Acetone cyanohydrin	C4H7NO	75-86-5	85.1		C5	0	0	11.1
Acetonitrile	C2H3N	75-05-8	41.1		20	NR	NR	12.20
Acetophenone	C8H8O	98-86-2	120.1		10	0	0.7	9.29
Acetyl bromide	C2H3BrO	506-96-7	122.9			0	7.9	10.24
Acetylene	C2H2	74-86-2	26	-84		NR	NR	11.40
Acetylglycine, N-	C4H7NO3	543-24-8	117.1			0	1.9	9.40
Acrolein	C3H4O	107-02-8	56.1	53	0.1	42	3.9	10.10
Acrylic acid	C3H4O2	79-10-7	72.1	141	2	0	12	10.60
Acrylonitrile	C3H3N	107-13-1	53.1		2	NR	NR	10.91
Allyl acetoacetate	C7H10O3	1118-84-9	142.2			0	1.6	~9.8
Allyl alcohol	C3H6O	107-18-6	58.1		2	4.5	2.4	9.63
Allylamine	C3H7N	107-11-9	57.1			0	0.9	8.80
Allyl bromide	C3H5Br	106-95-6	121			0	3.1	9.96
Allyl chloride	C3H5Cl	107-05-1	76.5		1	0	4.6	10.05
Allyl glycidyl ether	C6H10O2	106-92-3	114.1		1	0	0.9	~10
Aminomethylpropanol	C4H11NO	124-68-5	89.1			0	1.5	~8.7
Ammonia	NH3	7664-41-7	17	-33	25	0	12.7	10.07
Amyl acetate	C7H14O2	628-63-7	130.2		50	11	2.3	9.9
Amyl acetate, s-	C7H14O2	626-38-0	130.2		50	0	4.9	9.9
Amyl alcohol	C5H12O	71-41-0	88.1		100	9.9	2.5	10.00
Amyl alcohol, tert-	C5H12O	75-85-4	88.1			2.9	1.6	9.80
Amylene	C5H10	513-35-9	70.1			0.9	0.9	
Anethole	C10H12O	104-46-1	148.2			0	0.5	~9
Aniline	C7H7N	62-53-3	93.1	184	2	0.5	0.48	7.70
Anisole	C7H8O	100-66-3	108.1			0.89	0.58	8.21
Anisyl aldehyde	C8H8O2	123-11-5	136.1			0	0.5	~8
Arsine	AsH3	7784-42-1	77.9	-63	0.005	0	1.9	~9.6
Benzaldehyde	C7H6O	100-52-7	106.1		2	0.8	0.6	9.49
Benzene	C6H6	71-43-2	78.1	80	0.5	0.48	0.5	9.24
Benzenethiol	C7H7S	100-53-8	124.2			0.9	0.9	8.50
Benzoic acid	C7H6O2	65-85-0	122.1			0	0.8	9.30
Benzonitrile	C7H5N	100-47-0	103.1			0.9	0.8	9.62

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Table 1. Correction Factors for Measuring Various Compounds by PID

Compound Name	Formula	CAS No.	m.w.	b.p. (°C)	TWA* (ppm)	CF @ 9.8 eV	CF @ 10.6 eV	IE (eV)
Benzoquinone, o-	C6H4O2	583-63-1	108.1			0	0.9	9.30
Benzoquinone, p-	C6H4O2	106-51-4	108.1		0.1	0	1.1	10.01
Benzoyl bromide	C7H5BrO	618-32-6	185			0	1.9	9.65
Benzyl acetate	C9H10O2	140-11-4	150.2		10	0	0.7	~8.5
Benzyl alcohol	C7H8O	100-51-6	108.1	205	10	1.4	1.1	8.26
Benzylamine	C7H9N	100-46-9	107.2			0	0.7	7.56
Benzyl chloride	C7H7Cl	100-44-7	126.6		1	0.7	0.6	9.14
Benzyl formate	C8H8O2	104-57-4	136.1			0.9	0.73	9.32
Benzyl isobutyrate	C11H14O2	103-28-6	178.2			0	0.6	~9
Benzyl nitrile	C8H7N	140-29-4	117.1			0	0.9	9.39
Benzyl propionate	C10H12O2	122-63-4	164.2			0	0.9	~9
Biphenyl	C12H10	92-52-4	154.2			0.7	0.5	8.23
Borneol	C10H18O	507-70-0	154.2			0	0.9	~9
Bromine	Br2	7726-95-6	159.8	59	0.1	0	1.3	10.55
Bromoacetone	C3H5BrO	598-31-2	137			0	0.9	9.73
Bromoacetylene	C2HBr	593-61-3	104.9			0	4.1	10.31
Bromobenzene	C6H5Br	108-86-1	157			0.3	0.3	8.98
Bromobutane, 1-	C4H9Br	109-65-9	137	102		14.1	1.7	10.13
Bromobutane, 2-	C4H9Br	78-76-2	137			1.5	0.9	10.01
Bromo-2-chloroethane, 1-	C2H4BrCl	107-04-0	143.4			0	3.1	~10.5
Bromocyclohexane	C6H11Br	108-85-0	163.1			0	1.9	9.87
Bromo-2,2-dimethylpropane, 1-	C5H11Br	630-17-1	151			0	1.9	10.04
Bromoethane	C2H5Br	74-96-4	109		5	NR	1.7	10.29
Bromoethanol, 2-	C2H5BrO	540-51-2	125			0	1.9	10.0
Bromoethyl methyl ether, 2-	C3H7OBr	6482-24-2	139			0	0.84	10.0
Bromoform	CHBr3	75-25-2	252.7	149	0.5	0	2.5	10.48
Bromo-2-methylpentane, 1-	C6H13Br	25346-33-2	165.1			0	2.1	10.09
Bromopentane, 1-	C5H11Br	110-53-2	151			3.4	1	10.10
Bromopropane, 1-	C3H7Br	106-94-5	123	71	10	150	1.5	10.18
Bromopyridine, 3-	C5H4BrN	626-55-1	158			0	2.1	9.75
Bromopyridine, 4-	C5H4BrN	1120-87-2	158			0	2.1	9.94
Bromotrimethylsilane	C3H9BrSi	2857-97-8	153.1			2.2	2	10.0
Butadiene diepoxide, 1,3-	C4H6O2	298-18-0	86.1			25	3.5	~10
Butadiene, 1,3-	C4H6	106-99-0	54.1	-4	1	0.8	0.85	9.07
Butane, i-	C4H10	106-97-8	58.1			NR	0	10.68
Butane, n-	C4H10	106-97-8	58.1	-1	1000	NR	0 (~50)	10.53
Butanediol, 2,3-	C4H10O2	513-85-9	90.1			15.1	5.1	10.26
Butanedione, 2,3-	C4H6O2	431-03-8	86.1			0.8	0.8	9.56

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Table 1. Correction Factors for Measuring Various Compounds by PID

Compound Name	Formula	CAS No.	m.w.	b.p. (°C)	TWA* (ppm)	CF @ 9.8 eV	CF @ 10.6 eV	IE (eV)
Butanoic acid	C4H8O2	107-92-6	88.1			0	4.9	10.17
Butanol, 1-	C4H10O	71-36-3	74.1	118	20	70	4.7	10.04
Butanol, 2-	C4H10O	78-92-2	74.1			8.1	3.1	10.10
Butanol, t-	C4H10O	75-65-0	74.1	82	100	6.9	2.9	9.90
Butene, 1-	C4H8	106-98-9	56.1		250	0	1.6	9.58
Butene, 2-	C4H8	107-01-7	56.1		250	0	1.4	9.10
Butenenitrile, 3-	C4H5N	109-75-1	67.1			0	2.9	10.20
Butenoic acid, 3-	C4H6O2	107-93-7	86.1			0	2.1	9.75
Buten-3-ol, 1-	C4H8O	598-32-3	72.1			3.1	1.9	9.50
Butoxyethanol, 2-	C6H14O2	111-76-2	118.2	171	20	1.8	1.2	8.68
Butoxyethoxyethanol	C8H18O3	112-34-5	162.2		5	13.1	3.1	~9
Butoxyethyl acetate, 2-	C8H16O3	112-07-2	160.2		20	4.1	2.1	
Butyl acetate, n-	C6H12O2	123-86-4	116.6	126	50	0	2.6	
Butyl acetate, sec-	C6H12O2	105-46-4	116.6		50	5	1.7	
Butyl acrylate, n-	C7H12O2	141-32-2	128.2	145	2	0	1.6	~9.6
Butylamine, n-	C4H11N	109-73-9	73.1	78	C5	1.1	1.1	8.71
Butylamine, sec-	C4H11N	513-49-5	73.1		2	0	1	8.70
Butylamine, t-	C4H11N	75-64-9	73.1			1.4	1.1	8.64
Butylbenzene, n-	C10H14	104-51-8	134.2		10	0.5	0.6	8.69
Butylbenzene, sec-	C10H14	135-98-8	134.2			0.5	0.5	8.68
Butylbenzene, t-	C10H14	98-06-6	134.2			0.5	0.5	8.69
Butyl butyrate	C8H16O2	109-21-7	144.2			0	1.9	~9.7
Butyl Cellosolve (See Butoxyethanol)	C6H14O2	111-76-2	118.2	171	20	1.8	1.2	8.68
Butyl chloroformate	C5H9ClO2	592-34-7	136.6		0.2	0	3.1	~10.4
Butylcyclohexanol, 4-t-	C10H20O	98-52-2	156.3			0	1.5	~9
Butylcyclohexyl acetate, 2-t-	C12H22O2	88-41-5	198			0	1	~10
Butyl diglycol acetate	C10H20O4	124-17-4	204.3	243		0	2.9	~10
Butylene carbonate, 1,2-	C5H8O3	4437-85-8	116.1			NR	18.1	~10.4
Butyl ether, n-	C8H18O	142-96-1	130.2			1.2	0.9	9.28
Butyl glycidyl ether	C7H14O2	2426-08-6	130.2		5	0	1.9	~10.0
Butyl hydroperoxide, t-	C4H10O2	75-91-2	90.1		1	2	1.6	
Butyl isocyanate	C5H9NO	111-36-4	99.1			0	1.1	9.23
Butyl lactate	C7H14O3	138-22-7	146.2		5	0	2.4	9.80
Butyl mercaptan	C4H10S	109-79-5	90.2		0.5	0.55	0.52	9.15
Butyl mercaptan, t-	C4H10S	75-66-1	90.2			0.7	0.7	9.03
Butyl methacrylate	C8H14O2	97-88-1	142.2			0	1.1	~9.5
Butylphenol, o-s-	C10H14O	89-72-5	150.2		5	0	1	7.80

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Compound Name	Formula	CAS No.	m.w.	b.p. (°C)	TWA* (ppm)	CF @ 9.8 eV	CF @ 10.6 eV	IE (eV)
Butyl propionate, n-	C7H14O2	590-01-2	130.2			4.1	2	
But-2-ynal	C4H4O	1119-19-3	68.1			0	3.1	10.20
But-3-ynal	C4H4O	52844-23-2	68.1			0	1.6	9.85
Butyn-1-ol, 2-	C4H6O	764-01-2	70.1			0	1.6	9.78
Butyraldehyde	C4H8O	123-72-8	72.1		20	1.8	1.6	9.86
Butyronitrile	C4H7N	109-74-0	69.1		8	NR	NR	~11.6
Butyryl chloride	C4H7ClO	141-75-3	106.5			0	3.1	~10.4
Carbon dioxide	CO2	124-38-9	44	-79	5000	NR	NR	13.77
Carbon disulfide	CS2	75-15-0	76.1	46	1	4	1.2	10.08
Carbon monoxide	CO	630-08-0	28	-191	25	NR	NR	14.01
Carbon suboxide	C3O2	504-64-3	68			0	10.1	10.60
Carbon tetrabromide	CBr4	558-13-4	331.6	190		0	2.9	10.31
Carbon tetrachloride	CCl4	56-23-5	153.8	77	5	NR	NR	11.47
Carbonyl fluoride	COF2	353-50-4	66	85	2	0	0	13.02
Carbonyl sulfide	COS	463-58-1	60.1	-50		0	0	11.08
Carene	C10H16	13466-78-9	136.2	171	20	0	0.6	8.40
Carvacrol	C10H14O	499-75-2	150.2	238		0	0.9	~9
Carvone, R-	C10H14O	6485-40-1	150.2	231		1.6	1.7	9.77
Chloramine	ClH2N	10599-90-3	51.5			0	1.9	9.85
Chlorine	Cl2	7782-50-5	70.9	-34	0.1	NR	NR	11.48
Chlorine dioxide	ClO2	10049-04-4	67.5		C0.1	NR	NR	10.57
Chloroacetaldehyde	C2H3OCl	107-20-0	78.5		C1	0	3.1	10.16
Chloroacetyl chloride	C2H2Cl2O	79-04-9	112.9		0.05	0	8.1	10.30
Chlorobenzene	C6H5Cl	108-90-7	112.6		10	0.44	0.4	9.07
Chlorobutane, 1-	C4H9Cl	109-69-3	92.6			0	10.1	10.64
Chlorobutane, 2-	C4H9Cl	78-86-4	92.6			0	6	10.57
Chlorocyclohexane	C6H11Cl	542-18-7	118.6			19.9	1.9	10.10
Chlorodifluoromethane	CHClF2	75-45-6	86.5		1000	NR	NR	12.2
Chloroethane	C2H5Cl	75-00-3	64.5		100	NR	NR	10.97
Chloroethanol, 2-	C2H5ClO	107-07-3	80.5		C1	0	9.9	10.52
Chloroethyl ether, 2-	C4H8Cl2O	111-44-4	143		5	8.6	3	
Chloroethyl methyl ether, 2-	C3H7ClO	627-42-9	94.5			0	2.5	10.25
Chloro-1-fluoroethane, 1-	C2H4ClF	1615-75-4	82.5			NR	NR	~11.7
Chloro-2-fluoroethane, 1-	C2H4ClF	762-50-5	82.5			NR	NR	~11.7
Chloroform	CHCl3	67-66-3	119.4		10	NR	NR	11.37
Chloromethoxyethane	C3H7ClO	3188-13-4	94.5			0	4.1	10.30
Chloro-2-methylpropene, 3-	C4H7Cl	563-47-3	90.6			1.4	1.2	
Chloropentafluoroethane	C2ClF5	76-15-3	154.5			NR	NR	12.96

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Compound Name	Formula	CAS No.	m.w.	b.p. (°C)	TWA* (ppm)	CF @ 9.8 eV	CF @ 10.6 eV	IE (eV)
Chloropicrin	CCl3NO2	76-06-2	164.4		0.1	0	0	~11
Chloroprene	C4H5Cl	126-99-8	88.5		10	0	1.4	8.79
Chloro-2-propanone, 1-	C3H5ClO	78-95-5	92.5		C1	0	1.1	9.92
Chloropyridine, 2-	C5H4ClN	109-09-1	113.5			0	1.1	9.00
Chlorostyrene, o-	C8H7Cl	2039-87-4	138.6		50	0	0.5	~8.5
Chlorothiophene, 3-	C4H3ClS	17249-80-8	118.6			0.8	0.8	8.92
Chlorotoluene, m-	C7H7Cl	108-41-8	126.6			0	0.6	8.70
Chlorotoluene, o-	C7H7Cl	95-49-8	126.6		50	0	0.6	8.83
Chlorotoluene, p-	C7H7Cl	106-43-4	126.6			0.4	0.5	8.69
Chlorotrifluoroethene	C2ClF3	79-38-9	116.5		5	6.7	3.9	9.81
Chlorotrimethylsilane	C3H9ClSi	75-77-4	108.6	57		NR	0	10.83
Cinnamic aldehyde	C8H8O	104-55-2	132.2	248		0	0.5	~9
Cinnamyl acetate	C11H12O2	21040-45-9	176.2			0	0.5	~9
Cinnamyl alcohol	C9H10O	104-54-1	134.2			0	0.5	~9
Citral	C10H16O	5392-40-5	152.2	229		3.5	1.8	~8.7
Citronellal	C10H18O	106-23-0	154.2			0	1	~9
Citronellol	C10H20O	26489-01-0	156			0	1.1	~8.5
Citronellol acetate	C12H22O2	150-84-5	198.3			0	1.6	~9
Citronellol formate	C11H20O2	105-85-1	198.3			0	1.4	~9
Citronellyl isobutyrate	C14H26O2	97-89-2	226.4			0	0.8	~9
Clary propyl acetate	C11H20O3	131766-73-9	200			0	1.1	~9
Coumarin	C9H6O2	91-64-5	146.1			0	0.5	~9
Cresol methyl ether	C8H10O	104-93-8	122.2	174		0	0.9	~9
Cresol, m-	C7H8O	108-39-4	108.1	203	5	0.57	0.5	8.36
Cresol, o-	C7H8O	95-48-7	108.1	191	5	1.6	1.2	8.14
Cresol, p-	C7H8O	106-44-5	108.1	202	5	1.6	1.2	8.31
Cresyl acetate, p-	C9H10O2	140-39-6	150.2	211		0	1.1	8.60
Cresyl ethyl ether, p-	C9H12O	622-60-6	136.2	188		0	0.9	~9
Crotonaldehyde	C4H6O	123-73-9	70.1	104		1.5	1.1	9.73
Crotonyl alcohol	C4H8O	6117-91-5	72.1	121		0	0.9	9.13
Cumene	C9H12	98-82-8	120.2	152	50	0.58	0.54	8.73
Cyclobutanone	C4H6O	1191-95-3	70.1			0	1.1	9.35
Cyclobutene	C4H6	822-35-5	54.1			0	3.1	9.43
Cycloheptane	C7H14	291-64-5	98.2			0	1	9.82
Cyclohex-2-enedione, 1,4-	C6H6O2	4505-38-8	110.1			0	0.9	9.77
Cyclohexane	C6H12	110-82-7	84.2	81	100	3.3	1.4	9.98
Cyclohexanethiol	C6H12S	1569-69-3	116.2			0	0.6	~9
Cyclohexanol	C6H12O	108-93-0	100.2		50	1.5	0.94	10.00

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Compound Name	Formula	CAS No.	m.w.	b.p. (°C)	TWA* (ppm)	CF @ 9.8 eV	CF @ 10.6 eV	IE (eV)
Cyclohexanone	C6H10O	108-94-1	98.1	156	20	1	0.9	9.16
Cyclohexene	C6H10	110-83-8	82.1		20	0	0.8	8.95
Cyclohexyl acetate	C8H14O2	622-45-7	142.2			0	1.3	~9.5
Cyclohexylamine	C6H13N	108-91-8	99.2		10	21	2.9	8.37
Cyclooctadiene	C8H12	29965-97-7	108.2			1.2	1.1	~9.5
Cyclopentadiene	C5H6	542-92-7	66.1		75	0	0.9	8.56
Cyclopentane	C5H10	287-92-3	70.1		600	0	15	10.52
Cyclopentanone	C5H8O	120-92-3	84.1			0.9	0.8	9.26
Cyclopentene	C5H8	142-29-0	68.1			1.4	1.4	9.01
Cyclopentene-1,3-dione, 4-	C5H4O2	930-60-9	96.1			0	1.1	9.60
Cyclopropylamine	C3H7N	765-30-0	57.1			1.1	0.9	8.80
Cymene, p-	C10H14	99-87-6	134.2	177		0	0.5	8.29
Decahydronaphthalene	C10H18	91-17-8	138.2		5	0	1	9.14
Decanal	C10H20O	112-31-2	156.3			0	1.1	~9
Decane	C10H22	124-18-5	142.3	174		4	1.4	9.65
Decenal, t-4-	C10H18O	65405-70-1	154.2			0	1.5	~9
Decene	C10H22	872-05-9	140.3		100	0	0.9	~9.5
Decyne, 1-	C10H18	764-93-2	138.2			0.8	0.4	9.91
Desflurane	C3H2F6O	57041-67-5	168			0	0	~11
Diacetone alcohol	C6H12O2	123-42-2	116.2		50	0.8	0.8	~9.6
Diazine, 1,2-	C4H4N2	289-80-5	80.1			0	2.9	9.65
Diazine, 1,3-	C4H4N2	289-95-2	80.1			0	3.1	9.33
Dibromoacetylene	C2Br2	624-61-3	183.8			0	2.1	9.65
Dibromochloromethane	CHBr2Cl	124-48-1	208.3			0	5.3	10.59
Dibromo-3-chloropropane, 1,2- DBCP	C3H5Br2Cl	96-12-8	236.3	198	0.001	0	1.7	~10.3
Dibromocyclohexane, 1,2-	C6H10Br2	5401-62-7	242			0	3.1	10.02
Dibromocyclopentane	C5H8Br2	33547-17-0	227.9			0	3.1	10.06
Dibromodichloromethane	CBr2Cl2	594-18-3	242.7			NR	4.1	10.40
Dibromodifluoromethane	CF2Br2	75-61-6	209.8			NR	3.1	11.07
Dibromoethane, 1,2-	C2H4Br2	106-93-4	187.9	131	0.045	NR	1.7	10.35
Dibromoethene, 1,1-	C2H2Br2	593-92-0	185.8			0	1.6	9.78
Dibromoethene, 1,2-	C2H2Br2	540-49-8	185.8			0	1.6	9.63
Dibromomethane	CH2Br2	74-95-3	173.8			NR	2	10.41
Di-n-butylamine	C8H19N	111-92-2	129.2		C5	4.1	6.1	
Dichloroacetylene	C2Cl2	7572-29-4	94.9		C0.1	0	5.1	9.9
Dichlorobenzene, m-	C6H4Cl2	541-73-1	147		2	0.6	0.6	9
Dichlorobenzene, o-	C6H4Cl2	95-50-1	147	180	25	0.54	0.47	9.06

PID Correction Factors

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Table 1. Correction Factors for Measuring Various Compounds by PID

Compound Name	Formula	CAS No.	m.w.	b.p. (°C)	TWA* (ppm)	CF @ 9.8 eV	CF @ 10.6 eV	IE (eV)
Dichlorobenzene, p-	C6H4Cl2	106-46-7	147		10	0.6	0.5	9.06
Dichloro-1,3-butadiene, 1,4-	C4H4Cl2	2984-42-1	123			0	0.7	~9.5
Dichloro-2-butene, 1,4-	C4H7Cl	764-41-0	125		0.005	0	2.1	~9.5
Dichloro-2-butene, trans-1,4-	C4H7Cl	110-57-6	125			0	2.1	~9.5
Dichloro-1,1-difluoroethane, 1,2-	C2H2Cl2F2	1649-08-7	134.9			0	0	
Dichloro-1,2-difluoroethane, 1,2-	C2H2Cl2F2	431-06-1	134.9			0	0	
Dichloro-1,2-difluoroethene, 1,2-	C2Cl2F2	598-88-9	132.9			0	2.1	~10.2
Dichloro-2,2-difluoroethene, 1,1-	C2Cl2F2	79-35-6	132.9			0	0.9	9.69
Dichlorodimethylsilane	C2H6Cl2Si	75-78-5	129.1		C2	0	0	
Dichloroethane, 1,1-	C2H4Cl2	75-34-3	99		100	0	0	11.06
Dichloroethane, 1,2-	C2H4Cl2	107-06-2	99		10	0	0	11.05
Dichloroethene, 1,1-	C2H2Cl2	75-35-4	96.9	32	5	0	0.82	11.00
Dichloroethene, 1,2-	C2H2Cl2	540-59-0	96.9	49	200	0.3	0.3	9.65
Dichloroethene, c-1,2-	C2H2Cl2	156-59-2	96.9	60	200	0	0.9	9.66
Dichloroethene, t-1,2-	C2H2Cl2	156-60-5	96.9	49	200	0	0.45	9.65
Dichloro-1-fluoroethane, 1,1-	C2H3Cl2F	1717-00-6	117		500	0	0	>11.0
Dichloro-1-fluoroethane, 1,2-	C2H3Cl2F	430-57-9	117			0	0	>11.0
Dichloromethane	CH2Cl2	75-09-2	84.9			0	0	11.32
Dichloropropane, 1,2-	C3H6Cl2	78-87-5	113			0	0	10.87
Dichloro-1-propene, 1,3-	C3H4Cl2	542-75-6	111		1	1.3	0.96	<10
Dichloro-1-propene, 2,3-	C3H4Cl2	78-88-6	111			1.9	1.3	<10
Dichloro-1,1,1-trifluoroethane, 2,2-	C2HCl2F3	306-83-2	152.9		50	NR	NR	11.5
Dichloro-2,4,6-trifluoropyridine, 3,5-	C5Cl2F3N	1737-93-5	202			1.1	0.9	
Dichlorvos	C4H7Cl2O4P	62-73-7	221	74	0,1	0	0.9	<9.4
Dicyclohexylamine	C12H23N	101-83-7	181.3			0	1	~8.5
Dicyclopentadiene	C10H12	77-73-6	132.2	170	5	0.57	0.48	~8
Diesel fuel #2, whole	------	68334-30-5	216	200-350	14	1.3	0.7	
Diethoxyethane, 1,1-	C6H14O2	105-57-7	118.2			1.1	1.7	9.78
Diethylacetylene	C6H10	928-49-4	82.1			0	1.9	10.03
Diethylamine	C4H11N	109-89-7	73.1		5	0	0.97	8.01
Diethylaminoethanol, 2-	C6H15ON	100-37-8	117.2		2	0	2.8	8.58
Diethylaminopropylamine, 3-	C7H18N2	104-78-9	130.2			3.1	5	~9
Diethyl carbonate	C5H10O3	105-58-8	118.1			0	7.1	~10.3
Diethylene glycol monoethyl ether	C6H14O3	111-90-0	134.2			0	0.7	~9
Diethylenetriamine	C4H13N3	111-40-0	103.2		1	0	1.1	~8.5

PID Correction Factors

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Table 1. Correction Factors for Measuring Various Compounds by PID

Compound Name	Formula	CAS No.	m.w.	b.p. (°C)	TWA* (ppm)	CF @ 9.8 eV	CF @ 10.6 eV	IE (eV)
Diethylhydroxylamine	C4H11NO	3710-84-7	89.1		2	1.6	1.6	~9
Diethyl maleate	C8H12O4	141-05-9	172.2			0	2.1	~10
Diethyl malonate	C7H12O4	105-53-3	160.2			0	3.9	10.31
Diethyl phosphite	C4H11O3P	762-04-9	138.1			0	1.9	10.31
Diethylsilane	C4H12Si	542-91-6	88.2			0	2.1	
Diethyl sulfate	C4H10SO4	64-67-5	154.2		Skin 2	0	3.1	~10.5
Diethyl sulfone	C4H10O2S	597-35-3	122.2			0	2.1	9.96
Diglycidyl ether	C6H10O3	2238-07-5	130		0.1	0	2.9	~9.6
Diglyme	C6H14O3	111-96-6	134.2			0.64	0.54	<9.8
Dihydroeugenol	C10H14O2	2785-87-7	166.2			0	0.5	~9
Dihydroisojasmone	C11H18O	95-41-0	262			0	0.8	~9
Dihydrojasmone	C11H18O	1128-08-1	166.3			0	0.7	~9
Dihydromyrcenol	C10H20O	18479-58-8	156.3			0	0.9	~9
Dihydroxybenzene, 1,2-	C6H6O2	120-80-9	110.1		5	0	0.9	8.56
Dihydroxybenzene, 1,3-	C6H6O2	108-46-3	110.1		10	0	0.9	8.63
Diiodomethane	CH2I2	75-11-6	267.8			0	1.3	9.46
Diisobutylene	C8H16	107-39-1	112.2		75	0.8	0.6	8.91
Diisobutyl ketone	C9H18O	108-83-8	142.2		25	0.6	0.7	9.04
Diisopropylamine	C6H15N	108-18-9	101.2		5	0.84	0.74	7.73
Diisopropylbenzene	C12H18	25321-09-9	162.3			0	0.6	~8.8
Diisopropyl ether	C6H14O	108-20-3	102.2			0.9	0.6	9.20
Diketene	C4H4O2	674-82-8	84.1			2.6	2	9.60
Dimethoxybenzene, 1,4-	C8H10O2	150-78-7	138.2			0	1.2	~9
Dimethoxymethane	C3H8O2	109-87-5	76.1		1000	13.1	2.9	10.0
Dimethylacetamide, N,N-	C4H9NO	127-19-5	87.1		10	0.87	0.8	8.81
Dimethylacetylene	C4H6	503-17-3	54.1			0	1.1	9.58
Dimethylamine	C2H7N	124-40-3	45.1		5	0	1.4	8.23
Dimethylaminoethanol, 2-	C4H11NO	108-01-0	89.1			0	1.4	8.8
Dimethylaniline, N,N-	C8H11N	121-69-7	121.2		5	0.6	0.7	7.12
Dimethylboron bromide	C2H6BBr	5158-50-9	120.8			0	4.1	10.25
Dimethylbutyl acetate, 1,3-	C8H16O2	108-84-9	144.2			0	1.7	~9.5
Dimethyl carbonate	C3H6O3	616-38-6	90.1			NR	~70	10.52
Dimethylcycloheptane, 1,2-	C9H18	13151-50-3	126.2			0	1.4	10.21
Dimethylcyclohexane, 1,2-	C8H16	583-57-3	112.2			1	0.6	9.41
Dimethylcyclopentane	C7H14	1192-18-3	98.2			0	1.3	9.92
Dimethyl disulfide	C2H6S2	624-92-0	94.2		0.5	0.2	0.2	8.46
Dimethylethylamine	C4H11N	598-56-1	73.1			1.1	1	7.74

PID Correction Factors

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Table 1. Correction Factors for Measuring Various Compounds by PID

Compound Name	Formula	CAS No.	m.w.	b.p. (°C)	TWA* (ppm)	CF @ 9.8 eV	CF @ 10.6 eV	IE (eV)
Dimethylformamide, N,N-	C3H7NO	68-12-2	73.1	153	5	0.7	0.7	9.13
Dimethylhydrazine, 1,1-	C2H8N2	57-14-7	60.1	63	0.01	0	0.78	7.28
Dimethyl methylphosphonate	C3H9O3P	756-79-6	124.1	181		0	4.3	9.94
Dimethyloctan-1-ol, 3,7-	C10H22O	106-21-8	158.3			0	1.3	~9.5
Dimethyloctan-3-ol, 3,7-	C10H22O	78-69-3	158.3			0	1.1	~9.5
Dimethylpentane, 2,4-	C7H16	108-08-7	100.2			0	1.1	~9.8
Dimethyl phosphite	C2H7O3P	868-85-9	110			NR	7.9	10.53
Dimethyl phthalate	C10H10O4	131-11-3	194.2	284		0	0.9	9.64
Dimethylsilane	C2H8Si	1111-74-6	60.2			NR	1.9	10.30
Dimethyl sulfate	C2H6O4S	77-78-1	126.1		0.1	23	20	~12
Dimethyl sulfoxide	C2H6OS	67-68-5	78.1			0	1.4	9.10
Dimethylthiophosphoryl chloride	C2H6ClO2PS	2524-03-0	160.6			0	1.1	
Dioxane, 1,4-	C4H8O2	123-91-1	88.1		20	1.8	1.5	9.19
Dioxolane, 1,3-	C3H6O2	646-06-0	74.1		20	4	2.3	~9.6
Dipentene	C10H16	138-86-3	136.2	176	30	0.9	1	~8.6
Diphenyl ether	C12H10O	101-84-8	170.2	259		1.8	1.6	8.09
Di-n-propylamine	C6H15N	142-84-7	101.2			1.6	1.6	7.80
Dipropyl ether	C6H14O	111-43-3	102.2			0	1.1	9.30
Dipropylene glycol	C6H14O3	110-98-5	134.2	231		0	4.1	~10
Disilane	Si2H6	1590-87-0	62.2			0	1.9	9.74
Disulfur dibromide	S2Br2	13172-31-1	223.9	47		0	1.6	9.23
Disulfur dichloride	S2Cl2	10025-67-9	135			0	2.9	9.4
Di-tert-butyl-p-cresol	C15H24O	128-37-0	220.4	265		0	0.4	7.80
Divinylbenzene	C10H10	1321-74-0	130	195	10	0.7	0.8	~8.2
Divinylbenzene, 1,3-	C10H10	108-57-6	130.2	195		0.7	0.7	~8.3
Dodecene	C12H24	112-40-3	170.3			0	1.1	~9
DS-108F Wipe Solvent	C5H10O3	97-64-3	118.1			3.3	1.6	
Epichlorohydrin	C2H5ClO	106-89-8	92.5	118	0.5	0	8.5	10.2
Epoxypropyl isopropyl ether, 2,3-	C6H12O2	4016-14-2	116.2			1.2	1.3	~9
Estragole	C10H12O	140-67-0	148.2			0	0.8	~9
Ethane	C2H6	74-84-0	30.1	-89	1000	0	0	11.52
Ethanol	C2H6O	64-17-5	46.1	78	1000	0	10	10.47
Ethanolamine	C2H7NO	141-43-5	61.1		3	5.6	1.6	8.96
Ethene	C2H4	74-85-1	28.1	-128	200	0	9	10.51
Ethoxybutane, 2-	C6H14O	19316-73-5	104.1			0	0.9	9.32

PID Correction Factors

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Table 1. Correction Factors for Measuring Various Compounds by PID

Compound Name	Formula	CAS No.	m.w.	b.p. (°C)	TWA* (ppm)	CF @ 9.8 eV	CF @ 10.6 eV	IE (eV)
Ethoxyethanol, 2-	C4H10O2	110-80-5	90.1		5	5.1	2.1	9.6
Ethoxyethanol, 2-	C6H12O3	111-15-9	132.2		5	0	2.9	~9.5
Ethoxy-2-methylpropane, 1-	C6H14O	627-02-1	102.2			0	0.9	9.3
Ethoxy-2-propanol, 1-	C5H12O2	1569-02-4	104.1			0	2.5	~9.5
Ethoxypropyl acetate	C7H14O3	98516-30-4	146		20	0	1.1	~9.5
Ethyl acetate	C4H8O2	141-78-6	88.1	77	400	0	4.6	10.01
Ethyl acetoacetate	C6H10O3	141-97-9	130.1			3.1	2.6	~9.5
Ethylacetylene	C4H6	107-00-6	54.1			0	2.9	10.18
Ethyl acrylate	C5H8O2	140-88-5	100.1	99	5	0	2.4	<10
Ethylamine	C2H7N	75-04-7	45.1		5	0	0.8	8.86
Ethylbenzene	C8H10	100-41-4	106.2	136	20	0.52	0.52	8.77
Ethyl benzoate	C9H10O2	93-89-0	150.2			0	1	8.90
Ethyl t-butyl ether	C6H14O	637-92-3	102.2		25	0	0.9	9.39
Ethyl butyrate	C6H12O2	105-54-4	116.2			3.4	1.5	~9.8
Ethyl chloroformate	C3H5O2Cl	541-41-3	108.5			0	79	10.64
Ethyl cyanoacrylate	C6H7O2N	7085-85-0	125		0.2	0	1.6	~10
Ethylcyclohexane	C8H16	1678-91-7	112.2			1.4	0.9	~9.5
Ethyl decanoate	C12H24O2	110-38-3	200.3	245		0	1.9	~9.6
Ethylenediamine	C2H8N2	107-15-3	60.1	116	10	0.9	0.8	8.6
Ethylene glycol	C2H6O2	107-21-1	62.1	197	10	0	16	10.16
Ethylene glycol dimethyl ether	C4H10O2	110-71-4	90.1	85		1.1	0.86	9.2
Ethylene oxide	C2H4O	75-21-8	44.1	11	1	0	13	10.57
Ethyl ether	C4H10O	60-29-7	74.1	35	400	0	1.1	9.51
Ethyl 3-ethoxypropionate	C7H14O3	763-69-9	146.2		100	1.2	0.75	
Ethyl formate	C3H6O2	109-94-4	74.1		100	0	34	10.61
Ethyl hexanoate	C8H16O2	123-66-0	144.2			3.4	1.7	
Ethylhexanol, 2-	C8H18O	104-76-7	130.2		10	0	1.6	~9.8
Ethylhexyl acrylate,2-	C11H20O2	103-11-7	184.3	216	5	0	1.1	~9
Ethylidenenorbornene	C9H12	16219-75-3	120.2		2	0.43	0.39	≤8.8
Ethyl iodide	C2H5I	75-03-6	156			0.4	0.4	9.34
Ethyl isopropyl ketone	C6H12O	565-69-5	100.2			0	0.9	9.1
Ethyl (S)-(-)-lactate	C5H10O3	687-47-8	118.1			13	3.2	~10
Ethyl mercaptan	C2H6S	75-08-1	62.1	35	0.5	0.6	0.56	9.29
Ethyl methacrylate	C6H10O2	97-63-2	114.1			1.5	1	
Ethyl 2-methylbutyrate	C7H14O2	7452-79-1	130.2			1.9	1.5	
Ethyl methyl carbonate	C4H8O3	623-53-0	104.1			NR	19	10.4
Ethyl octanoate	C10H20O2	106-32-1	172.3	207		0	2.4	~9.7

PID Correction Factors

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Table 1. Correction Factors for Measuring Various Compounds by PID

Compound Name	Formula	CAS No.	m.w.	b.p. (°C)	TWA* (ppm)	CF @ 9.8 eV	CF @ 10.6 eV	IE (eV)
Ethyl perfluorobutyl ether	C6H5F9O	163702-05-4	264.1	50		NR	NR	~11
Ethyl phenyl acetate	C10H12O2	101-97-3	164.2			0	1.3	~9
Ethyl propanoate	C5H10O2	105-37-3	102.1			6.1	2.6	10.01
Ethyl sulfide	C4H10S	352-93-2	90.2			0	0.51	8.43
Ethyl 2,2,2-trifluoroethyl ether	C4H7F3O	461-24-5	128.1			0	5.1	~10.4
Eucalyptol	C10H18O	470-82-6	154.2			0	0.7	~9
Eugenol	C10H12O2	97-53-0	164.2			0	0.5	~9
Fluorine	F2	7782-41-4	38		0.1	NR	NR	15.70
Fluoro-2-propanone, 1-	C3H5FO	430-51-3	76.1			0	0	9.92
Fluorobenzene	C6H5F	462-06-6	96.1			0.8	0.7	9.20
Fluorobenzoic acid, 4-	C7H5FO2	456-22-4	140.1			0	2.1	9.91
Formaldehyde	CH2O	50-00-0	30		0.1	NR	NR	10.87
Formamide	CH3NO	75-12-7	45		1	0	6.9	10.20
Formic acid	CH2O2	64-18-6	46		5	0	0	11.05
Furan	C4H4O	110-00-9	68.1		0.02	0	0.5	8.88
Furfural	C5H4O2	98-01-1	96.1		0.2	0	0.92	9.21
Furfuryl alcohol	C5H6O2	98-00-0	98.1		0.2	0	0.8	~8.5
Furfuryl mercaptan	C5H6OS	98-02-2	114.1	155		0.9	0.9	~8.5
Gasoline	------	8006-61-9	93	35-200	300	1.3	1	
Geranial	C10H16O	141-27-5	152.2	229		0	0.5	~8.7
Geraniol	C10H18O	106-24-1	154.2	230		0	0.8	~9
Geranyl acetate	C12H20O2	105-87-3	196.3	245		0	1.3	~9
Geranyl acetate	C5H8O2	111-30-8	100.1	187	C0.05	1.1	0.8	
Glycidol	C3H6O2	556-52-5	74.1	167	2	0	0	~10.8
Glycidyl methacrylate	C7H10O3	106-91-2	142.2	189	0.5	0	1.1	~10
Glycolaldehyde	C2H4O2	141-46-8	60.1	131		0	4.9	~10.4
Glyoxal	C2H2O2	107-22-2	58	51	0.1	0	0.9	10.2
Guaiacol	C7H8O2	90-05-1	124.1	205		0	0.9	~8
Halothane	CF3CHBrCl	151-67-7	197.4	50	50	NR	NR	11.0
Heptan-2-one	C7H14O	110-43-0	114.2	151	50	1	0.9	9.33
Heptan-3-one	C7H14O	106-35-4	114.2	146	50	0.9	0.8	9.02
Heptan-4-one	C7H14O	123-19-3	114.2	144	50	0.9	0.8	9.10
Heptane, n-	C7H16	142-82-5	100.2	98	400	45	2.8	9.92
Heptanol	C7H16O	53535-33-4	116.2			0	1.8	~9.8
Heptene, 1-	C7H14	592-76-7	98.2			1.2	0.9	9.34
Heptylcyclopentan-1-one, 2-	C12H22O	137-03-1	182.3			0	0.9	~9
Heptyne, 1-	C7H12	628-71-7	96.2			0	1.9	10.04

PID Correction Factors

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Table 1. Correction Factors for Measuring Various Compounds by PID

Compound Name	Formula	CAS No.	m.w.	b.p. (°C)	TWA* (ppm)	CF @ 9.8 eV	CF @ 10.6 eV	IE (eV)
Hex-1-en-3-ol	C6H12O	4798-44-1	100.2			0	1	~9
Hexachlorodisilane	Cl6Si2	13465-77-5	268.9	144		0	8.1	~10.4
Hexachloroethane	C2Cl6	67-72-1	236.7	187	1	NR	NR	11.22
Hexafluoropropylene	C3F6	116-15-4	150	-28	0.1	NR	0	10.60
Hexamethyldisilazane, 1,1,1,3,3,3-	C6H19NSi2	999-97-3	161.4	127	10	~0.5	0.24	~8.6
Hexamethyldisiloxane	C6H18OSi2	107-46-0	162.4			~0.35	0.3	9.64
Hexamethylene diisocyanate	C8H12N2O2	822-06-0	168.2		0.005	0	1.4	~9
Hexamethyleneimine	C6H13N	111-49-9	99.2			0	1	8.41
Hexan-2-one	C6H12O	591-78-6	100.2			0.8	0.9	9.34
Hexane, n-	C6H14	110-54-3	86.2	68	50	350	4.3	10.13
Hexanoic acid	C6H12O2	142-62-1	116.2			0	4.1	10.12
Hexanol, 1-	C6H14O	111-27-3	102.2	157		9	2.5	9.89
Hexene, 1-	C6H12	592-41-6	84.2		50	1.2	1	9.44
Hexenyl acetate, cis-3-	C8H14O2	3681-71-8	142.2			1.3	1.1	~9
Hexenyl butyrate, cis-3-	C10H18O2	16491-36-4	170.2			0	1.6	~9
Hexylaldehyde	C6H12O	66-25-1	100.2	129		1.9	1.3	9.72
Histoclear	C10H16	5989-27-5	136.2	179	5	0.5	0.4	~8.8
Hydrazine	H4N2	302-01-2	32	114	0.01	8	3	~8.9
Hydrogen	H2	1333-74-0	2	-253		NR	NR	15.43
Hydrogen chloride	HCl	7647-01-0	36.5	-85	C2	NR	NR	12.74
Hydrogen cyanide	HCN	74-90-8	27	26	C4.7	NR	NR	13.60
Hydrogen fluoride	HF	7664-39-3	20	20	0.5	NR	NR	15.98
Hydrogen iodide	HI	10034-85-2	127.9	-35		0	0.6	10.39
Hydrogen selenide	H2Se	7783-07-5	81	-41	0.05	0	2.1	9.88
Hydrogen sulfide	H2S	7783-06-4	34.1	-60	1	0	3.3	10.46
Hydrogen telluride	H2Te	7783-09-7	129.6	-2		0	2.1	9.14
Hydroxybutanal, 3-	C4H6O2	107-89-1	88.1			0	2.1	~9.5
Hydroxycitronellal	C10H20O2	107-75-5	172.3			0	1.1	~9
Hydroxyethyl acrylate	C5H8O3	818-61-1	116.1			0	1.3	~10
Hydroxylamine	H3NO	7803-49-8	33			0	2.1	10.00
Hydroxynonyl acetate	C11H22O3	1322-17-4	202			0	1.5	~9.5
Hydroxypropyl acrylate, 2-	C6H10O3	999-61-1	130		0.5	0	1.6	~9
Indene	C9H8	95-13-6	116.2		5	0.5	0.6	8.81
Indole	C8H7N	120-72-9	117.1			0	0.5	7.76
Iodine	I2	7553-56-2	253.8	184	0.015	0.1	0.1	9.31
Iodobenzene	C6H5I	591-50-4	204			0	0.3	8.73
Iodoethene	C2H3I	593-66-8	153.9			0	1.3	9.30

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Table 1. Correction Factors for Measuring Various Compounds by PID

Compound Name	Formula	CAS No.	m.w.	b.p. (°C)	TWA* (ppm)	CF @ 9.8 eV	CF @ 10.6 eV	IE (eV)
Iodoform	CHI3	75-47-8	393.7		0.2	0	1.6	9.25
Iodomethane	CH3I	74-88-4	141.9	42	2	0.21	0.22	9.54
Isoamyl acetate	C7H14O2	123-92-2	130.2			10.1	2.1	~9.7
Isobornyl acetate	C12H20O2	125-12-2	196.3			0	0.6	~9
Isobutane	C4H10	75-28-5	58.1	-12	1000	NR	8	10.47
Isobutanol	C4H10O	78-83-1	74.1	108	50	19	3.8	10.02
Isobutyl acetate	C6H12O2	110-19-0	116.2			9.9	1.9	9.9
Isobutyl acrylate	C7H12O2	106-63-8	128.2			0	1.5	~9.5
Isobutylamine	C4H11N	78-81-9	73.1			3.1	1.1	8.70
Isobutylbenzene	C10H14	538-93-2	134.2			0.5	0.5	8.68
Isobutylene	C4H8	115-11-7	56.1	-7	250	1	1	9.24
Isobutylene epoxide	C4H8O	558-30-5	72.1			0	3.1	10.0
Isobutyraldehyde	C4H8O	78-84-2	72.1		25	0	1.1	9.74
Isobutyric acid	C4H8O2	79-31-2	88.1			15.1	4.5	10.24
Isodecanol	C10H22O	25339-17-7	158			0	1	~9.8
Isodihydrolavandulal	C10H18O	35158-25-9	154.2			~0.9	0.8	~9
Isoeugenol	C10H12O2	97-54-1	164.2	266		0	0.5	~9
Isoflurane	C3H2ClF5O	26675-46-7	184.5	49	5	NR	NR	~11
Isoheptane	C7H16	591-76-4	100.2			0	1.1	9.84
Isomenthone	C10H18O	1196-31-2	154.2			0	0.7	9.86
Isononanal	C9H18O	5435-64-3	142.2			1.5	1	~9.6
Isononanol	C9H20O	3452-97-9	144.3			0	1.4	~9.8
Isooctane	C8H18	540-84-1	114.2	99		3.3	1.2	9.86
Isooctanol	C8H18O	26952-21-6	130		50	0	1.6	~9.8
Isopar E Solvent	------	64741-66-8	121			1.7	0.8	
Isopar G Solvent	------	64742-48-9	148			0	0.79	~9.5
Isopar K Solvent	------	64742-48-9	156			0.85	0.53	
Isopar L Solvent	------	64742-48-9	163			0.86	0.52	
Isopar M Solvent	------	64742-47-8	191			0	0.66	~9.5
Isopentane	C5H12	78-78-4	72.1			0	4.1	10.32
Isopentanol	C5H12O	137-32-6	88.1			5.9	1.9	9.86
Isopentene	C5H10	563-46-2	70.1			0	0.9	9.12
Isophorone	C9H14O	78-59-1	138.2		2	1.1	0.9	9.07
Isophorone diisocyanate	C12H18N2O2	4098-71-9	222		0.005	0	0.7	~9
Isoprene	C5H8	78-79-5	68.1		2	0.69	0.63	8.85
Isopropanol	C3H8O	67-63-0	60.1	83	200	500	6	10.12
Isopropanolamine	C3H9NO	78-96-6	75.1			0	1.6	~9.6

PID Correction Factors

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Table 1. Correction Factors for Measuring Various Compounds by PID

Compound Name	Formula	CAS No.	m.w.	b.p. (°C)	TWA* (ppm)	CF @ 9.8 eV	CF @ 10.6 eV	IE (eV)
Isopropoxyethanol, 2-	C5H12O2	109-59-1	104.1		25	1.6	1.3	
Isopropoxyethyl acetate	C7H14O2	19234-20-9	146			0	1.3	~9.5
Isopropyl acetate	C5H10O2	108-21-4	102.1		100	8.1	2.5	9.99
Isopropylamine	C3H9N	75-31-0	59.1		5	0.9	0.9	8.72
Isopropylaminoethanol, 2-	C5H13NO	109-56-8	103.2			0	1.9	~9
Isopropyl chloroformate	C4H7O2Cl	108-23-6	122.6			0	1.7	~10.2
Isopropylcyclohexane	C9H18	696-29-7	126.2			1.2	0.8	9.33
Isopropyl nitrite	C3H7NO2	541-42-4	89.1			0	3.9	10.23
Isothiazole	C3H3NS	288-16-4	85.1			0	2.9	9.55
Isovaleraldehyde	C5H10O	590-86-3	86.1			1.6	1.4	9.72
Isovaleric acid	C5H10O2	503-74-2	102.1			26	5.6	~10.2
Jasmone, cis-	C11H16O	488-10-8	164.2			0	0.6	~9
Jet fuel JP-4	------	------	115	70-240		0	1	~9
Jet fuel JP-5	------	------	167	180-270	29	0	0.6	~9
Jet fuel JP-8	------	------	165	170-270	30	0	0.6	~9
Jet fuel TS	------	------	165		30	0.9	0.6	~9
Kerosene	------	8008-20-6	170		29	0.8	0.9	~9
Ketene	C2H2O	463-51-4	42			0	2.9	9.62
Limonene, D-	C10H16	5989-27-5	136.2	179	5	0	0.33	~8.8
Linalool oxide	C10H18O2	14049-11-7	170.2			0	0.7	~9
Linalyl acetate	C12H20O2	115-95-7	196.3			0	1.2	~9
Maleic anhydride	C4H2O3	108-31-6	98.1	202	0.0025	0	1.9	9.90
Menthol	C10H20O	1490-04-6	156.3			0	0.6	~9
Menthone	C10H18O	89-80-5	154.2			0	0.5	~9
Mercaptoacetic acid	C2H4O2S	68-11-1	92.1			0	0.9	~9.8
Mesitylene	C9H12	108-67-8	120.2	165	25	0.36	0.35	8.41
Metaldehyde	C8H16O4	108-62-3	176.2			0	1.9	~9.7
Methacrylamide	C4H7NO	79-39-0	85.1			0	1.9	~10
Methacrylic acid	C4H6O2	79-41-4	86.1		20	0	2.4	10.15
Methacrylonitrile	C4H5N	126-98-7	67.1			0	4.9	10.34
Methane	CH4	74-82-8	16	-162	1000	NR	NR	12.61
Methanol	CH4O	67-56-1	32	65	200	NR	NR	10.85
Methoxy-1-butanol, 3-	C5H12O2	2517-43-3	104.1			0	2.9	~9.5
Methoxybutyl acetate, 3-	C7H14O3	4435-53-4	146.2			0	1.9	~9.5
Methoxy-2,2-dimethyl-propane, 1-	C6H14O	1118-00-9	102.2			0	1	9.3
Methoxyethane	C3H8O	540-67-0	60.1			0	0.9	9.72

PID Correction Factors

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Table 1. Correction Factors for Measuring Various Compounds by PID

Compound Name	Formula	CAS No.	m.w.	b.p. (°C)	TWA* (ppm)	CF @ 9.8 eV	CF @ 10.6 eV	IE (eV)
Methoxyethanol, 2-	C3H8O2	109-86-4	76.1		0.1	4.8	2.4	9.6
Methoxyethene	C3H6O	107-25-5	58.1			0	0.9	8.95
Methoxyethoxy ethanol, 2-	C7H16O3	111-77-3	120.1	194		2.3	1.2	
Methoxyethyl acetate, 2-	C5H10O3	110-49-6	118.1		0.1	7.9	4.9	
Methoxymethy-lethoxy-2-propanol	C7H16O3	34590-94-8	148.2			0	1.2	9.3
Methoxypropane, 2-	C4H10O	598-53-8	74.1			0	1.3	9.45
Methoxy-1-propanol, 2-	C4H10O2	1589-47-5	90.1		50	0	1.9	~9.6
Methyl acetate	C3H6O2	79-20-9	74.1	57	200	0	6.6	10.27
Methyl acetoacetate	C5H8O3	105-45-3	116.1			0	2.9	9.81
Methyl acrylate	C4H6O2	96-33-3	86.1		2	0	3.7	10.25
Methylamine	CH5N	74-89-5	31.1		5	0	1.4	8.97
Methyl anthranilate	C8H9NO2	134-20-3	151.2	256		0	0.5	~9
Methyl benzoate	C8H8O2	93-58-3	136.1			0	1.3	9.32
Methyl bromide	CH3Br	74-83-9	94.9	4	1	110	1.7	10.54
Methylbutan-1-ol, 3-	C5H12O	123-51-3	88.1	131		10.1	2.4	9.8
Methylbutanal, 2-	C5H10O	96-17-3	86.1			1.4	1.3	~9.7
Methyl t-butyl ether	C5H12O	1634-04-4	88.1	55	50	0	0.91	9.24
Methylbutyric acid, 2-	C5H10O2	116-53-0	102.1			21	6.1	
Methyl chloride	CH3Cl	74-87-3	50.5		50	NR	NR	11.22
Methyl chloroformate	C2H3O2Cl	79-22-1	94.5		0.2	NR	NR	11.36
Methyl cyanoacrylate	C5H5O2N	137-05-3	111.1		2	NR	NR	10.98
Methylcyclohexane	C7H14	108-87-2	98.2		400	1.6	0.97	9.64
Methylcyclohexanol	C7H14O	25639-42-3	114.2		50	0	2.5	~9.8
Methylcyclopentane	C6H12	96-37-7	84.2			0	1.6	9.85
Methyldichloramine	CH3Cl2N	7651-91-4	99.9			0	2.1	9.5
Methyl-3,3-dimethacrylate	C6H10O2	924-50-5	114.1			0	2.6	~9.5
Methylene chloride	CH2Cl2	75-09-2	84.9		25	NR	NR	11.32
Methyl ether	C2H6O	115-10-6	46.1	-24	1000	4.8	3.1	10.03
Methyl ethyl ketone	C4H8O	78-93-3	72.1	80	200	0.86	0.86	9.51
Methyl ethyl ketone peroxide	C8H18O6	1338-23-4	146			0	0.9	~9.5
Methyl formate	C2H4O2	107-31-3	60.1		50	NR	NR	10.82
Methyl heptyne carbonate	C9H14O2	111-12-6	154.2			0	1.2	~9
Methylhydrazine	CH6N2	60-34-4	46.1	87	0.01	1.4	1.2	7.7
Methyl ionone	C14H22O	1335-46-2	192.3	127		0	0.5	~9
Methyl isobutyl ketone	C6H12O	108-10-1	100.2	117	20	0.9	0.8	9.30
Methyl Isocyanate	C2H3NO	624-83-9	57.1	40	0.02	0	4.6	10.67
Methyl isopropyl ketone	C5H10O	563-80-4	86.1	94	20	0.9	0.9	9.31

PID Correction Factors

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Table 1. Correction Factors for Measuring Various Compounds by PID

Compound Name	Formula	CAS No.	m.w.	b.p. (°C)	TWA* (ppm)	CF @ 9.8 eV	CF @ 10.6 eV	IE (eV)
Methyl isothiocyanate	C2H3NS	556-61-6	73.1	119	IDLH3	0.5	0.45	9.25
Methyl mercaptan	CH3SH	74-93-1	48.1	6	0.5	0.65	0.54	9.44
Methyl methacrylate	C5H8O2	80-62-6	100.1	101	50	2.7	1.5	9.7
Methylpentan-2-ol, 4-	C6H14O	108-11-2	102.2			2.9	1.3	~9.8
Methylpentane, 2-	C6H14	107-83-5	86.2			33	2.9	10.12
Methyl perfluorobutyl ether	C5H3F9O	163702-07-6	250.1			NR	NR	~11
Methyl phenethyl ether	C9H12O	3558-60-9	136.2			0	0.7	~7.7
Methyl phenylacetate	C9H10O2	101-41-7	150.2			0	0.5	~9
Methyl propargyl ether	C4H6O	627-41-8	70.1			0	2.1	9.78
Methyl propionate	C4H8O2	554-12-1	88.1			0	3.9	10.15
Methyl propyl ketone	C5H10O	107-87-9	86.1		150	0	0.93	9.38
Methyl propynoate	C4H4O2	922-67-8	84.1			0	9.9	10.3
Methylpyrrole, N-	C5H7N	96-54-8	81.1			0.9	1	
Methyl-2-pyrrolidinone, N-	C5H9NO	872-50-4	99.1	202	10	1	0.8	9.17
Methyl salicylate	C8H8O3	119-36-8	152.1	222		1.3	0.9	7.65
Methylstyrene	C9H10	25013-15-4	118		10	0.6	0.6	8.18
Methyl sulfide	C2H6S	75-18-3	62.1	37	10	0.49	0.44	8.69
Methyl thiocyanate	C2H3NS	556-64-9	73.1			3.1	2.1	9.96
Methyl thioglycolate	C3H6O2S	2365-48-2	106.1			3.9	1.9	~10
Methylundecanal, 2-	C12H24O	110-41-8	184.3			0	0.9	~9.5
Methyl vinyl ketone	C4H6O	78-94-4	70.1			0	0.7	9.65
Mineral spirits	------	8020-83-5	144	130-200	100	1	0.71	
Morpholine	C4H9NO	110-91-8	87.1			2.1	4.1	~9
Myrcene	C10H16	123-35-3	136.2			0	0.6	~8.2
Naphtha, heavy aromatic	------	64742-94-5	128.2			0	0.5	~9
Naphtha, light aromatic	------	64742-95-6	128.2			0	0.6	~9
Naphtha, medium aliphatic	------	64742-88-7	128.2			0	0.9	~10
Naphthalene	C10H8	91-20-3	128.2	218	10	0.45	0.42	8.14
Naphthol methyl ether, 2-	C11H10O	93-04-9	158.2			0	0.6	~8.5
Neopentane	C5H12	463-82-1	72.1			0	2.9	10.21
Neopentyl alcohol	C5H12O	75-84-3	88.1			0	1.9	9.72
Nickel carbonyl in CO	C4O4Ni	13463-39-3	170.7		0.001	0	0.17	<8.8
Nitric oxide	NO	10102-43-9	30	-152	25	6	5.2	9.25
Nitrobenzene	C6H5NO2	98-95-3	123.1		1	2.6	1.9	9.81
Nitroethane	C2H5NO2	79-24-3	75.1		100	0	0	10.88
Nitrogen	N2	7727-37-9	28		Asphix	0	0	15.58
Nitrogen dioxide	NO2	10102-44-0	46	21	0.2	23	16	9.75

PID Correction Factors

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Table 1. Correction Factors for Measuring Various Compounds by PID

Compound Name	Formula	CAS No.	m.w.	b.p. (°C)	TWA* (ppm)	CF @ 9.8 eV	CF @ 10.6 eV	IE (eV)
Nitromethane	CH3NO2	75-52-5	61		20	0	0	11.02
Nitropropane, 2-	C3H7NO2	79-46-9	89.1		10	0	0	10.71
N-Methylolacrylamide	C4H7NO2	924-42-5	101.1			0	1.9	~10.3
Nonanal	C9H18O	124-19-6	142.2			0	1.2	~9
Nonane	C9H20	111-84-2	128.3		200	4.6	1.3	9.72
Nonanol (mixed isomers)	C9H20O	143-08-8	144.3			0	1.3	~9.8
Nonene (mixed isomers)	C9H18	27215-95-8	126			0	0.7	~9.3
Nonene, 1-	C9H18	124-11-8	126.2			0	0.7	~9.4
Norbornadiene, 2,5-	C7H8	121-46-0	92.1			0.8	0.7	8.38
Norpar 12	------	64771-72-8	161			3.2	1.1	
Norpar 13	------	64771-72-8	189			2.7	1	
Octalactone, gamma-	C8H14O	104-50-7	142.2			0	2.9	~9
Octamethylcyclotetrasiloxane	C6H12O4Si4	556-67-2	296.6	176		0.2	0.2	<9
Octamethyltrisiloxane	C8H24O2Si3	107-51-7	236.5	153		0.24	0.22	<9
Octane, n-	C8H18	111-65-9	114.2	125	300	13.2	1.8	9.82
Octanol (mixed isomers)	C8H18O	111-87-5	130.2			0	1.4	~9.8
Octene (mixed isomers)	C8H16	25377-83-7	112			0	0.8	9.4
Octene, 1-	C8H16	111-66-0	112.2			0.9	0.75	9.42
Oxalyl bromide	C2Br2O2	15219-34-8	215.8			0	4.9	10.49
Oxydiethanol, 2,2´-	C4H10O3	111-46-6	106.1	245	10	0	1.9	~9
Oxygen	O2	7782-44-7	32	-186	NA	NR	NR	12.07
Ozone	O3	10028-15-6	48	-112	0.05	NR	NR	12.52
Paraldehyde	C6H12O3	123-63-7	132.2			4.9	2.3	~9.7
Pentacarbonyl iron	FeC5O5	13463-40-6	195.9			0	1.1	~8
Pentanal	C5H10O	110-62-3	86.1			1.8	1.6	9.74
Pentandione, 2,4-	C5H8O2	123-54-6	100.1		25	0.9	1.3	8.85
Pentane	C5H12	109-66-0	72.1	36	1000	80	8.4	10.35
Pentanoic acid	C5H10O2	109-52-4	102.1			52.1	8.1	10.53
Pentanol, 2-	C5H12O	6032-29-7	88.1		20	16.1	2.1	9.78
Pentanol, 3-	C5H12O	584-02-1	88.1		20	3.6	1.8	9.76
Pentan-3-one	C5H10O	96-22-0	86.1		200	0.8	0.8	9.31
Pentene, 1-	C5H10	109-67-1	70.1			1.1	1	9.49
Pentylcyclopentan-1-one, 2-	C10H18O	4819-67-4	154			0	1.1	~9
Pentylcyclopentane	C10H20	3741-00-2	140.3			0	1	9.91
Pentyne, 1-	C5H8	627-19-0	68.1			0	1	10.1
Peracetic acid	C2H4O3	79-21-0	76.1		STEL0.4	NR	NR	~11
Perchloroethene	C2Cl4	127-18-4	165.8	121	25	0.69	0.57	9.32

PID Correction Factors

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Table 1. Correction Factors for Measuring Various Compounds by PID

Compound Name	Formula	CAS No.	m.w.	b.p. (°C)	TWA* (ppm)	CF @ 9.8 eV	CF @ 10.6 eV	IE (eV)
Perchloryl fluoride	ClO3F	7616-94-6	102.5			NR	NR	13.6
Perfluorobutadiene	C4F6	685-63-2	162			0	2.9	9.50
Perfluorocyclobutane	C4F8	115-25-3	200			NR	NR	13.50
Perfluoropropane	C3F8	76-19-7	188			NR	NR	13.38
Perfluoro-tert-butylamine	C4H2F9N	2809-92-9	235.1			0	4.9	10.40
Petroleum ether	------	8032-32-4	90.1			0	1	~10
PGME	C4H12O2	107-98-2	90.1			2.4	1.5	
PGMEA	C6H12O3	108-65-6	132.2	146	50	1.65	1	
Phellandrene	C10H16	99-83-2	136.2			0	0.9	~8.2
Phenol	C6H6O	108-95-2	94.1	182	5	1	1	8.51
Phenoxyethanol, 2-	C8H10O2	122-99-6	138.2			9.9	4.4	~8.5
Phenylacetaldehyde	C8H8O	122-78-1	120.1			0	0.6	8.80
Phenylacetic acid	C8H8O2	103-82-2	136.1			0	1.1	8.26
Phenyl chloroformate	C7H5ClO2	1885-14-9	156.6			0	1	~9
Phenylcyclohexane	C12H16	827-52-1	160.3			0	0.5	~9
Phenyl-2,3-epoxypropyl ether	C9H10O2	122-60-1	150.2			0	0.9	~8.6
Phenylethyl acetate, 1-	C10H12O2	93-92-5	164.2			0	0.8	~9
Phenylethyl alcohol	C8H10O	60-12-8	122.2			0	1.3	~9
Phenyl ethyl isobutyrate, 2-	C12H16O2	103-48-0	192.3			0	1.4	~9
Phenylpropene, 2-	C9H10	98-83-9	118.2			0.5	0.5	~8.5
Phosgene	COCl2	75-44-5	98.9	9	0.1	NR	NR	11.55
Phosphine (coats lamp)	PH3	7803-51-2	34	-88	0.05	28	3.9	9.87
Phthalonitrile	C8H5N2	91-15-6	128.1			0	1.3	9.9
Picoline, 3-	C6H7N	108-99-6	93.1			0.9	0.8	9.04
Pine oil	------	8002-09-3	136			0	1.1	~9.5
Pinene, a-	C10H16	2437-95-8	136.2			0	0.31	8.07
Pinene, b-	C10H16	18172-67-3	136.2	166	20	0.38	0.37	8.10
Piperazine	C4H10N2	110-85-0	86.1		0.03	0	0.9	8.72
Piperidine	C5H11N	110-89-4	85.1		1	0.9	1.1	8.02
Piperylene, Isomer Mix	C5H8	504-60-9	68.1	43	100	0.76	0.69	8.6
Propadiene	C3H4	463-49-0	40.1			0	0.9	9.83
Propanamide	C3H7NO	79-05-0	73.1			0	2.1	~9.5
Propane	C3H8	74-98-6	44.1	-42	1000	0	0	10.94
Propanol, n-	C3H8O	71-23-8	60.1		100	40.1	5.5	10.22
Propanolamine	C3H9NO	156-87-6	75.1			0	1.6	~9.5
Propargyl chloride	C3H3Cl	624-65-7	74.5			0	8.3	9.82
Propene	C3H6	115-07-1	42.1	-48	500	1.5	1.4	9.73

PID Correction Factors

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Table 1. Correction Factors for Measuring Various Compounds by PID

Compound Name	Formula	CAS No.	m.w.	b.p. (°C)	TWA* (ppm)	CF @ 9.8 eV	CF @ 10.6 eV	IE (eV)
Propen-1-imine, 2-	C3H5N	73311-40-7	55.1			0	1.9	9.65
Propiolic acid	C3H2O2	471-25-0	70			0	7.9	10.45
Propionaldehyde	C3H6O	123-38-6	58.1		20	0	1.6	9.95
Propionic acid	C3H6O2	79-09-4	74.1		10	0	10.1	10.44
Propionitrile	C3H5NO	107-12-0	55.1		6	0	0	11.5
Propoxy-2-propanol, 1-	C6H14O2	1569-01-3	118.2			1.7	1.3	~9.5
Propyl acetate, n-	C5H10O2	109-60-4	102.1		100	18	3.1	10.04
Propylamine, n-	C3H9N	107-10-8	59.1			1.1	1.1	8.5
Propylbenzene	C9H12	103-65-1	120.2			0.5	0.4	8.72
Propylbenzene (all isomers)	C9H12	74296-31-4	120			0	0.6	8.7
Propyl butanoate	C7H14O2	105-66-8	130.2			2.8	1.4	
Propylene carbonate	C4H6O3	108-32-7	102.1			0	0	~10.5
Propylene glycol	C3H8O2	57-55-6	76.1	188	3	18	5.5	
Propyleneimine	C3H7N	75-55-8	57.1	67	0.2	1.5	1.25	9.0
Propylene oxide	C3H6O	16088-62-3	58.1	34	2	0	6.6	10.22
Propyl formate	C4H8O2	110-74-7	88.1			0	20	10.54
Propyl iodide	C3H7I	107-08-4	170			0	0.9	9.26
Propyl mercaptan	C3H8S	107-03-9	76.2		C0.5	1	1.1	9.20
Propyl mercaptan, 2-	C3H8S	75-33-2	76.2			0.64	0.66	9.15
Propylnitrate, n-	C3H7NO3	627-13-4	105.1		25	NR	NR	11.07
Propyne	C3H4	74-99-7	40.1		1000	0	4.1	
Prop-2-yn-1-ol	C3H4O	107-19-7	56.1		1	0	3.8	10.5
Pyrazine	C4H4N2	290-37-9	80.1	115		0	3.1	9.29
Pyridine	C5H5N	110-86-1	79.1	115	1	0.78	0.68	9.25
Pyridinol, 4-	C5H5NO	626-64-2	95.1			0	2.9	9.75
Pyridylamine, 2-	C5H6N2	504-29-0	94.1			0	0.9	8.10
Pyrrole	C4H5N	109-97-7	67.1	130		1	1.3	8.02
Pyrrolidine (Coats Lamp)	C4H9N	123-75-1	71.1	87		2.1	1.3	8.77
Pyruvaldehyde	C3H4O2	78-98-8	72.1			0	0.8	9.6
Rose oxide, cis-	C10H18O	16409-43-1	154.2			0	0.7	~9
Sevoflurane	C3H3F7O	28523-86-6	200.1	59		NR	NR	~11
Silane	SiH4				5	NR	NR	11.0
Stibine	SbH3	7803-52-3	124.8			0	1.4	9.89
Styrene	C8H8	100-42-5	104.1	145	20	0.45	0.4	8.43
Sulfur dichloride	Cl2S	10545-99-0	103			0	2.1	9.47
Sulfur dioxide	SO2	7446-09-5	64.1	-10	STEL0.25	NR	NR	12.30
Sulfur hexafluoride	SF6	2551-62-4	146.1			NR	NR	19.30
Sulfur tetrafluoride	SF4	7783-60-0	108.1		C0.1	NR	NR	12.63

PID Correction Factors

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Table 1. Correction Factors for Measuring Various Compounds by PID

Compound Name	Formula	CAS No.	m.w.	b.p. (°C)	TWA* (ppm)	CF @ 9.8 eV	CF @ 10.6 eV	IE (eV)
Terpineol, a-	C10H18O	98-55-5	154.2	217		0	0.7	~9
Terpinolene	C10H16	586-62-9	136.2			1	0.7	8.1
Terpinyl acetate, a-	C12H20O2	80-26-2	196.3	220		0	1.3	~9
Terpinyl methyl ether	C11H20O	14576-08-0	168			0	0.6	~9
Tetrabromoethane, 1,1,2,2-	C2H2Br4	79-27-6	345.7	244	0.1	0	1.9	~10
Tetrachloroethane, 1,1,1,2-	C2H2Cl4	630-20-6	167.8	131		NR	NR	~11.1
Tetrachloroethane, 1,1,2,2-	C2H2Cl4	79-34-5	167.8	147	1	NR	NR	~11.1
Tetrachloropyridine, 2,3,5,6-	C5HNCl4	2402-79-1	216.9	252	0.6	0	0.9	~9
Tetrachlorosilane	SiCl4	10026-04-7	169.9		C1	NR	NR	11.79
Tetraethyllead	C8H20Pb	78-00-2	323.4	85	0.008	NR	NR	~11.1
Tetraethyl orthosilicate	C8H20O4Si	78-10-4	208.3	169	10	0	0.71	9.77
Tetrafluoroethylene	C2F4	116-14-3	100		2	0	16	10.12
Tetrafluoromethane	CF4	75-73-0	88			NR	NR	15.3
Tetrahydrofuran	C4H8O	109-99-9	72.1	66	50	1.9	1.7	9.41
Tetrahydronaphthalene	C10H12	119-64-2	132.2		2	0	0.5	8.46
Tetrahydropyran	C5H10O	142-68-7	86.1			1.6	1.6	9.25
Tetrahydrothiophene	C4H8S	110-01-0	88.2		50	0.6	0.8	8.38
Tetramethylbenzene (all isomers)	C10H14	95-93-2	134.2	192		0	0.4	8.16
Tetramethylbutane, 2,2,3,3-	C8H18	594-82-1	114.2			0	1.1	9.8
Tetramethyldisiloxane, 1,1,3,3-	C4H14OSi2	3277-26-7	134.32			1	0.8	~9
Tetramethylgermane	C4H12Ge	865-52-1	132.8			0	1.9	9.34
Tetramethylguanidine, N,N,N´,N´	C5H13N3	80-70-6	115.2	163		0	0.7	8.43
Tetramethyl orthosilicate	C4H12O4Si	681-84-5	152.2	122	1	10	1.9	
Tetramethylsilane	C4H12Si	75-76-3	88.2			0	2.1	9.80
Tetramethyl succinonitrile	C8H12N2	3333-52-6	136.2		0.09	0	0	~11
Therminol VP-1	C12H10O & C12H10	101-84-8 & 92-52-4	165.8	257	1	0	0.4	~9
Thioacetic acid	C2H4OS	507-09-5	76.1			0	1.9	10.0
Thioanisole	C7H8S	100-68-5	124.2			0.8	0.7	7.94
Thiocarbonyl fluoride	CSF2	420-32-6	82.1			0	6.1	10.45
Thiocyanogen	C2S2N2	505-14-6	116.2			0	7.9	10.5
Thioformaldehyde trimer	C3H6S3	291-21-4	138.3			0	1.6	9.35
Thiophene	C4H4S	110-02-1	84.1			0.5	0.5	8.86
Thiophosgene	CSCl2	463-71-8	115			0	1.1	9.61
Thymol	C10H14O	89-83-8	150.2			0	0.8	~9

PID Correction Factors

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Table 1. Correction Factors for Measuring Various Compounds by PID

Compound Name	Formula	CAS No.	m.w.	b.p. (°C)	TWA* (ppm)	CF @ 9.8 eV	CF @ 10.6 eV	IE (eV)
Titanium-n-propoxide	C12H28O4Ti	3087-37-4	284.2			0	3.1	~9
Toluene	C7H8	108-88-3	92.1	111	20	0.54	0.5	8.82
Toluenesulfonyl chloride, p-	C7H7SO2Cl	98-59-9	190.6			0	3.1	~9
Toluidine, o-	C7H9N	95-53-4	107.2		2	0	0.6	7.40
Tolylaldehyde, p-	C8H8O	104-87-0	120.1			0	0.9	9.33
Tolylene-2,4-diisocyanate	C9H6N2O2	584-84-9	174.2	251	0.001	1.4	1.4	~8.8
Triazine, 1,3,5-	C3H3N3	290-87-9	81.1			0	6.1	10.01
Tributyl phosphate	C12H27O4P	126-73-8	266.3		0.2	0	5.1	8.91
Tributylamine	C12H27N	102-82-9	185.3			0	0	7.40
Trichlorobenzene, 1,2,4-	C6H3Cl3	120-82-1	181.4		C5	0.7	0.46	9.04
Trichloroethane, 1,1,1-	C2H3Cl3	71-55-6	133.4		350	NR	NR	11
Trichloroethane, 1,1,2-	C2H3Cl3	79-00-5	133.4		10	NR	NR	11.0
Trichloroethene	C2HCl3	79-01-6	131.4	87	10	0.62	0.54	9.47
Trichloro-2-fluoroethane, 1,1,2- R-131	C2H2Cl3F	359-28-4	151.4			NR	NR	~11
Trichloromethylsilane	CH3Cl3Si	75-79-6	149.5			0	0	
Trichloropropane, 1,2,3-	C3H5Cl3	96-18-4	147.4			NR	NR	~11
Trichlorotrifluoroethane, 1,1,1-	C2Cl3F3	354-58-5	187.4			NR	NR	11.50
Trichlorotrifluoroethane, 1,1,2-	C2Cl3F3	76-13-1	187.4			NR	NR	11.99
Triethylaluminum	C6H15Al	97-93-8	114.2			0	1.1	~10
Triethylamine	C6H15N	121-44-8	101.2	89	0.5	0.95	0.9	7.53
Triethylbenzene	C12H18	25340-18-5	162		5	0	0.5	~8.3
Triethyl borate	C6H15O3B	150-46-9	146			0	2.2	10.13
Triethyl phosphate	C6H15O4P	78-40-0	182.2		1	50	3.1	9.79
Triethyl phosphite	C6H15O3P	122-52-1	166.2			0	1.4	8.30
Triethyl silane	C6H16Si	617-86-7	116.3			0	2.1	9.50
Trifluoroethane, 1,1,2-	C2H3F3	430-66-0	84			NR	NR	12.9
Trifluoroethanol, 2,2,2-	C2H3F3O	75-89-8	100		0.3	NR	NR	~12
Trifluoroethene	C2HF3	359-11-5	82			0	5.1	10.14
Trifluoroethyl methyl ether, 2,2,2-	C3H5F3O	460-43-5	114.1			0	10.1	10.53
Trifluoroiodomethane	CF3I	2314-97-8	195.9		500	0	2.1	10.28
Trimethoxymethane	C4H10O3	149-73-5	106.1			10.1	4.1	9.50
Trimethoxyvinylsilane	C5H12O3Si	2768-02-7	148.2			0	2.1	~9.5
Trimethylamine	C3H9N	75-50-3	59.1		5	0.6	0.6	7.82
Trimethylbenzene mixtures	C9H12	25551-13-7	120		25	0.4	0.4	8.41
Trimethylbenzene, 1,2,4-	C9H12	95-63-6	120.2		25	0.7	0.7	8.39
Trimethyl borate	C3H9O3B	121-43-7	103.9			0	5.1	10.0

PID Correction Factors

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Table 1. Correction Factors for Measuring Various Compounds by PID

Compound Name	Formula	CAS No.	m.w.	b.p. (°C)	TWA* (ppm)	CF @ 9.8 eV	CF @ 10.6 eV	IE (eV)
Trimethylcyclohexane, 1,2,4-	C9H18	2234-75-5	126.2			0	1.1	9.35
Trimethylene oxide	C3H6O	503-30-0	58.1			0	1.6	9.65
Trimethyl phosphate	C3H9O4P	512-56-1	140.1			0	8	9.99
Trimethyl phosphite	C3H9O3P	121-45-9	124.1		2	0	1.1	~9
Trimethylsilane	C3H10Si	993-07-7	74.2			0	1.1	9.9
Trioxane	C3H6O3	110-88-3	90.1			0	2.1	10.3
Tropathiane	C8H16OS	67715-80-4	160			0	0.56	~9
Turpentine	C10H16	8006-64-2	136.2	90-115	20	0.4	0.3	
Undecane	C11H24	1120-21-4	156.3			3	1	9.56
Vanillin	C8H8O3	121-33-5	152.1			0	1.1	~9
Vinyl actetate	C4H6O2	108-05-4	86.1			1.5	1.2	9.19
Vinyl bromide	C2H3Br	593-60-2	106.9			1	1.6	9.82
Vinyl chloride	C2H3Cl	75-01-4	62.5	-13	1	0	2	9.99
Vinyl-1-cyclohexene, 4-	C8H12	100-40-3	108.2	129	0.1	0.6	0.56	8.93
Vinylene carbonate	C3H2O3	872-36-6	86			5.1	3.6	10.08
Vinyl ethyl ether	C4H8O	109-92-2	72.1			0.99	1.1	8.98
Vinyl fluoride	C2H3F	75-02-5	46		1	0	2.1	10.36
Vinylidene difluoride	C2H2F2	75-38-7	64		500	0	5.1	10.29
Vinyl-2-pyrrolidinone, 1-	C6H9NO	88-12-0	111.1	94	0.05	1	0.8	9.0
Vinylsilane	C2H6Si	7291-09-0	58.2			0	1.4	10.10
Xylene mixed isomers	C8H10	1330-20-7	106.2	140	100	0.49	0.44	8.56
Xylene, m-	C8H10	108-38-3	106.2	139	100	0.5	0.44	8.56
Xylene, o-	C8H10	95-47-6	106.2	144	100	0.56	0.46	8.56
Xylene, p-	C8H10	106-42-3	106.2	138	100	0.48	0.39	8.44
Xylidine mixed isomers	C8H11N	1300-73-8	121.2			0.5	0.6	7.50

* TWA taken as ACGIH 8-hr value wherever available. A few of these are AIHA WEELs, NIOSH RELs, or German MAKs. C = Ceiling, STEL = Short Term Exposure Limit. NA = Not Available.

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