

Formel	Title	Resolution Auflösung (ppb)		Nominal Range (ppm)		Maximum Overload (ppm)	
		typical PID50	typical PID300	PID50 50 ppm	PID300 300ppm	PID50 1000 ppm	PID300 6000 ppm
C2H4O	Acetaldehyde	25	480	245	1 470	4 900	29 400
C2H4O2	Acetic Acid	180	3 615	1 810	10 860	36 200	217 200
C4H6O3	Acetic Anhydride	20	400	200	1 200	4 000	24 000
C3H6O	Acetone	5	70	35	210	700	4 200
C3H4O	Acrolein	20	400	200	1 200	4 000	24 000
C3H4O2	Acrylic Acid	15	275	135	810	2 700	16 200
C3H6O	Allyl alcohol	10	200	105	630	2 100	12 600
C3H5Cl	Allyl chloride	20	450	225	1 350	4 500	27 000
H3N	Ammonia	40	850	425	2 550	8 500	51 000
C7H14O2	Amyl acetate, n-	10	180	90	540	1 800	10 800
C5H12O	Amyl alcohol	15	320	160	960	3 200	19 200
C6H7N	Aniline	3	50	25	150	500	3 000
C7H8O	Anisole	2	50	25	150	500	3 000
AsH3	Arsine	15	250	125	750	2 500	15 000
-	Asphalt, petroleum fumes	5	100	50	300	1 000	6 000
C7H6O	<b>Benzaldehyde</b>	5	85	45	270	900	5 400
C6H6	Benzene	3	50	25	150	500	3 000
C6H5SH	Benzenethiol	4	70	35	210	700	4 200
C7H5N	Benzonitrile	4	70	35	210	700	4 200
C7H8O	Benzyl alcohol	6	125	65	390	1 300	7 800
C7H7Cl	Benzyl chloride	3	55	30	180	600	3 600
C8H8O2	Benzyl formate	5	77	40	240	800	4 800
C12H10	Biphenyl	2	40	20	120	400	2 400
C6H10O3	Bis(2,3-epoxypropyl) ether	15	300	150	900	3 000	18 000
Br2	Bromine	100	2 000	1 000	6 000	20 000	120 000
C6H5Br	Bromobenzene	4	70	35	210	700	4 200
C2H5Br	Bromoethane	25	500	250	1 500	5 000	30 000
C3H7OBr	Bromoethyl methyl ether, 2-	15	250	125	750	2 500	15 000
CHBr3	Bromoform	15	280	140	840	2 800	16 800
C3H7Br	Bromopropane, 1-	7	130	65	390	1 300	7 800
C4H6	Butadiene	4	80	40	240	800	4 800
C4H6O2	Butadiene diepoxide, 1,3-	20	400	200	1 200	4 000	24 000
C4H10	Butane, n-	230	4 600	2 315	13 890	46 300	277 800
C4H10O	Butanol, 1-	20	400	200	1 200	4 000	24 000
C4H8O	Buten-3-ol, 1-	6	115	60	360	1 200	7 200
C4H8	Butene, 1-	7	130	65	390	1 300	7 800
C6H14O2	Butoxyethanol, 2-	6	110	55	330	1 100	6 600
C6H12O2	Butyl acetate, n-	10	240	120	720	2 400	14 400
C7H12O2	Butyl acrylate, n-	8	150	75	450	1 500	9 000
C7H14O3	Butyl lactate	15	250	125	750	2 500	15 000
C4H10S	Butyl mercaptan	3	50	25	150	500	3 000
C4H11N	Butylamine, 2-	5	90	45	270	900	5 400
C4H11N	Butylamine, n-	5	100	50	300	1 000	6 000
C10H16	Camphene	2	45	25	150	500	3 000

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		typical PID50	typical PID300	PID50 50 ppm	PID300 300ppm	PID50 1000 ppm	PID300 6000 ppm
CS <sub>2</sub>	Carbon disulfide	7	140	70	420	1 400	8 400
CBr <sub>4</sub>	Carbon tetrabromide	15	300	150	900	3 000	18 000
C <sub>10</sub> H <sub>14</sub> O	Carvone, R-	5	100	50	300	1 000	6 000
ClO <sub>2</sub>	Chlorine dioxide	5	100	50	300	1 000	6 000
C <sub>4</sub> H <sub>5</sub> Cl	Chloro-1,3-butadiene, 2-	16	320	160	960	3 200	19 200
C <sub>6</sub> H <sub>5</sub> Cl	Chlorobenzene	2	50	25	150	500	3 000
C <sub>2</sub> H <sub>5</sub> ClO	Chloroethanol 2-	50	1 000	500	3 000	10 000	60 000
C <sub>3</sub> H <sub>7</sub> ClO	Chloroethyl methyl ether, 2-	13	250	130	780	2 600	15 600
C <sub>7</sub> H <sub>7</sub> Cl	Chlorotoluene, o-	2	50	25	150	500	3 000
C <sub>7</sub> H <sub>7</sub> Cl	Chlorotoluene, p-	3	50	25	150	500	3 000
C <sub>2</sub> ClF <sub>3</sub>	Chlorotrifluoroethylene	5	100	50	300	1 000	6 000
C <sub>10</sub> H <sub>16</sub> O	Citral	5	100	50	300	1 000	6 000
C <sub>10</sub> H <sub>20</sub> O	Citronellol	5	100	50	300	1 000	6 000
C <sub>7</sub> H <sub>8</sub> O	Cresol, m-	5	105	55	330	1 100	6 600
C <sub>7</sub> H <sub>8</sub> O	Cresol, o-	5	105	55	330	1 100	6 600
C <sub>7</sub> H <sub>8</sub> O	Cresol, p-	5	105	55	330	1 100	6 600
C <sub>4</sub> H <sub>6</sub> O	Crotonaldehyde	5	100	50	300	1 000	6 000
C <sub>9</sub> H <sub>12</sub>	Cumene	3	60	30	180	600	3 600
C <sub>6</sub> H <sub>12</sub>	Cyclohexane	7	130	65	390	1 300	7 800
C <sub>6</sub> H <sub>12</sub> O	Cyclohexanol	15	300	145	870	2 900	17 400
C <sub>6</sub> H <sub>10</sub> O	Cyclohexanone	6	110	55	330	1 100	6 600
C <sub>6</sub> H <sub>10</sub>	Cyclohexene	5	75	40	240	800	4 800
C <sub>6</sub> H <sub>13</sub> N	Cyclohexylamine	5	100	50	300	1 000	6 000
C <sub>5</sub> H <sub>10</sub>	Cyclopentane	20	400	200	1 200	4 000	24 000
C <sub>10</sub> H <sub>22</sub>	Decane, n-	5	100	50	300	1 000	6 000
C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	Diacetone alcohol	5	80	40	240	800	4 800
C <sub>14</sub> H <sub>10</sub> O <sub>4</sub>	Dibenzoyl peroxide	5	80	40	240	800	4 800
CHBr <sub>2</sub> Cl	Dibromochloromethane	50	1 000	500	3 000	10 000	60 000
C <sub>2</sub> H <sub>4</sub> Br <sub>2</sub>	Dibromoethane 1,2-	10	200	100	600	2 000	12 000
PO <sub>4</sub>	Dibutyl hydrogen phosphate	20	400	200	1 200	4 000	24 000
C <sub>3</sub> H <sub>4</sub> Cl <sub>2</sub>	Dichloro-1-propene, 2,3-	7	140	70	420	1 400	8 400
C <sub>2</sub> Cl <sub>2</sub>	Dichloroacetylene	25	500	250	1 500	5 000	30 000
C <sub>6</sub> H <sub>4</sub> Cl <sub>2</sub>	Dichlorobenzene o-	3	50	25	150	500	3 000
C <sub>2</sub> H <sub>2</sub> Cl <sub>2</sub>	Dichloroethene, 1,1-	5	100	50	300	1 000	6 000
C <sub>2</sub> H <sub>2</sub> Cl <sub>2</sub>	Dichloroethene, cis-1,2-	4	80	40	240	800	4 800
C <sub>2</sub> H <sub>2</sub> Cl <sub>2</sub>	Dichloroethene, trans-1,2-	4	70	35	210	700	4 200
C <sub>2</sub> H <sub>2</sub> Cl <sub>2</sub>	Dichloroethylene 1,2-	4	75	40	240	800	4 800
CH <sub>2</sub> Cl <sub>2</sub>	Dichloromethane	200	3 900	1 950	11 700	39 000	234 000
C <sub>10</sub> H <sub>12</sub>	Dicyclopentadiene	5	90	45	270	900	5 400
-	Diesel Fuel	4	75	40	240	800	4 800
C <sub>4</sub> H <sub>10</sub> O	Diethyl ether	4	90	45	270	900	5 400
C <sub>8</sub> H <sub>12</sub> O <sub>4</sub>	Diethyl maleate	10	200	100	600	2 000	12 000
C <sub>12</sub> H <sub>14</sub> O <sub>4</sub>	Diethyl phthalate	5	100	50	300	1 000	6 000
C <sub>4</sub> H <sub>10</sub> SO <sub>4</sub>	Diethyl sulphate	15	300	150	900	3 000	18 000

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		typical PID50	typical PID300	PID50 50 ppm	PID300 300ppm	PID50 1000 ppm	PID300 6000 ppm
C <sub>4</sub> H <sub>10</sub> S	Diethyl sulphide	3	50	30	180	600	3 600
C <sub>4</sub> H <sub>11</sub> N	Diethylamine	5	100	50	300	1 000	6 000
C <sub>6</sub> H <sub>15</sub> ON	Diethylaminoethanol, 2-	15	270	135	810	2 700	16 200
C <sub>7</sub> H <sub>18</sub> N <sub>2</sub>	Diethylaminopropylamine, 3-	5	100	50	300	1 000	6 000
H <sub>2</sub> Se	Dihydrogen selenide	5	100	50	300	1 000	6 000
C <sub>6</sub> H <sub>6</sub> O <sub>2</sub>	Dihydroxybenzene, 1,2	5	100	50	300	1 000	6 000
C <sub>6</sub> H <sub>6</sub> O <sub>2</sub>	Dihydroxybenzene, 1,3	5	100	50	300	1 000	6 000
C <sub>8</sub> H <sub>16</sub>	Diisobutylene	3	60	30	180	600	3 600
C <sub>6</sub> H <sub>14</sub> O	Diisopropyl ether	3	70	35	210	700	4 200
C <sub>6</sub> H <sub>15</sub> N	Diisopropylamine	4	70	35	210	700	4 200
C <sub>4</sub> H <sub>4</sub> O <sub>2</sub>	Diketene	11	220	110	660	2 200	13 200
C <sub>3</sub> H <sub>8</sub> O <sub>2</sub>	Dimethoxymethane	7	140	70	420	1 400	8 400
C <sub>8</sub> H <sub>16</sub>	Dimethyl cyclohexane, 1,2-	5	105	55	330	1 100	6 600
C <sub>2</sub> H <sub>6</sub> S <sub>2</sub>	Dimethyl disulphide	1	23	10	60	200	1 200
C <sub>2</sub> H <sub>6</sub> O	Dimethyl ether	7	130	65	390	1 300	7 800
C <sub>10</sub> H <sub>10</sub> O <sub>4</sub>	Dimethyl phthalate	5	100	50	300	1 000	6 000
C <sub>2</sub> H <sub>6</sub> S	Dimethyl sulphide	3	50	25	150	500	3 000
C <sub>4</sub> H <sub>9</sub> NO	Dimethylacetamide N,N-	7	130	65	390	1 300	7 800
C <sub>2</sub> H <sub>7</sub> N	Dimethylamine	7	140	70	420	1 400	8 400
C <sub>4</sub> H <sub>11</sub> NO	Dimethylaminoethanol	8	150	75	450	1 500	9 000
C <sub>8</sub> H <sub>11</sub> N	Dimethylaniline, NN-	3	60	30	180	600	3 600
C <sub>8</sub> H <sub>16</sub> O <sub>2</sub>	Dimethylbutyl acetate	8	160	80	480	1 600	9 600
C <sub>4</sub> H <sub>11</sub> N	Dimethylethylamine, NN-	4	80	40	240	800	4 800
C <sub>3</sub> H <sub>7</sub> NO	Dimethylformamide	5	90	45	270	900	5 400
C <sub>9</sub> H <sub>18</sub> O	Dimethylheptan-4-one, 2,6-	4	80	40	240	800	4 800
C <sub>2</sub> H <sub>8</sub> N <sub>2</sub>	Dimethylhydrazine, 1,1-	5	100	50	300	1 000	6 000
C <sub>6</sub> H <sub>4</sub> N <sub>2</sub> O <sub>4</sub>	Dinitrobenzene, m-	15	300	150	900	3 000	18 000
C <sub>6</sub> H <sub>4</sub> N <sub>2</sub> O <sub>4</sub>	Dinitrobenzene, p-	25	500	250	1 500	5 000	30 000
C <sub>26</sub> H <sub>42</sub> O <sub>4</sub>	Dinonyl phthalate	5	100	50	300	1 000	6 000
C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Dioxane 1,2-	8	150	75	450	1 500	9 000
C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Dioxane 1,4-	8	150	75	450	1 500	9 000
C <sub>10</sub> H <sub>16</sub>	Dipentene	5	90	45	270	900	5 400
C <sub>12</sub> H <sub>10</sub> O	Diphenyl ether	4	80	40	240	800	4 800
S <sub>2</sub> Cl <sub>2</sub>	Disulphur dichloride	15	300	150	900	3 000	18 000
C <sub>11</sub> H <sub>16</sub> O	Di-tert-butyl-p-cresol	5	100	50	300	1 000	6 000
C <sub>10</sub> H <sub>10</sub>	Divinylbenzene	2	40	20	120	400	2 400
C <sub>12</sub> H <sub>26</sub> O	Dodecanol	5	90	45	270	900	5 400
C <sub>3</sub> H <sub>5</sub> ClO	Epichlorohydrin	40	800	400	2 400	8 000	48 000
C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	Epoxypropyl isopropyl ether, 2,3-	5	110	55	330	1 100	6 600
C <sub>2</sub> H <sub>6</sub> O	Ethanol	45	870	435	2 610	8 700	52 200
C <sub>2</sub> H <sub>7</sub> NO	Ethanolamine	15	300	150	900	3 000	18 000
C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	Ethoxy-2-propanol, 1-	10	200	100	600	2 000	12 000
C <sub>4</sub> H <sub>10</sub> O <sub>2</sub>	Ethoxyethanol, 2-	150	3 000	1 490	8 940	29 800	178 800
C <sub>6</sub> H <sub>12</sub> O <sub>3</sub>	Ethoxyethyl acetate, 2-	15	300	150	900	3 000	18 000

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		typical PID50	typical PID300	PID50 50 ppm	PID300 300ppm	PID50 1000 ppm	PID300 6000 ppm
C <sub>5</sub> H <sub>10</sub> O <sub>3</sub>	Ethyl (S)-(-)-lactate	15	300	150	900	3 000	18 000
C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl acetate	20	360	180	1 080	3 600	21 600
C <sub>5</sub> H <sub>8</sub> O <sub>2</sub>	Ethyl acrylate	10	200	100	600	2 000	12 000
C <sub>2</sub> H <sub>7</sub> N	Ethyl amine	5	100	50	300	1 000	6 000
C <sub>8</sub> H <sub>10</sub>	Ethyl benzene	3	50	25	150	500	3 000
C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	Ethyl butyrate	5	100	50	300	1 000	6 000
C <sub>3</sub> H <sub>5</sub> O <sub>2</sub> Cl	Ethyl chloroformate	400	8 300	4 000	24 000	80 000	480 000
C <sub>6</sub> H <sub>7</sub> O <sub>2</sub> N	Ethyl cyanoacrylate	8	150	75	450	1 500	9 000
C <sub>12</sub> H <sub>24</sub> O <sub>2</sub>	Ethyl decanoate	10	180	90	540	1 800	10 800
C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Ethyl formate	150	3 000	1 500	9 000	30 000	180 000
C <sub>8</sub> H <sub>16</sub> O <sub>2</sub>	Ethyl hexanoate	15	260	130	780	2 600	15 600
C <sub>8</sub> H <sub>18</sub> O	Ethyl hexanol, 2-	8	150	75	450	1 500	9 000
C <sub>11</sub> H <sub>20</sub> O <sub>2</sub>	Ethyl hexyl acrylate, 2-	5	100	50	300	1 000	6 000
C <sub>2</sub> H <sub>6</sub> S	Ethyl mercaptan	3	70	35	210	700	4 200
C <sub>10</sub> H <sub>20</sub> O <sub>2</sub>	Ethyl octanoate	12	230	115	690	2 300	13 800
C <sub>2</sub> H <sub>4</sub>	Ethylene	40	800	400	2 400	8 000	48 000
C <sub>2</sub> H <sub>6</sub> O <sub>2</sub>	Ethylene glycol	100	2 000	1 000	6 000	20 000	120 000
C <sub>2</sub> H <sub>4</sub> O	Ethylene oxide	75	1 500	750	4 500	15 000	90 000
C <sub>10</sub> H <sub>10</sub> Fe	Ferrocene	4	80	40	240	800	4 800
CH <sub>3</sub> ON	Formamide	10	200	100	600	2 000	12 000
C <sub>5</sub> H <sub>4</sub> O <sub>2</sub>	Furfural	7	140	70	420	1 400	8 400
C <sub>5</sub> H <sub>6</sub> O <sub>2</sub>	Furfuryl alcohol	10	200	100	600	2 000	12 000
-	Gasoline vapors	5	105	55	330	1 100	6 600
-	Gasoline vapors	4	80	40	240	800	4 800
-	Gasoline vapors 92 octane	4	80	40	240	800	4 800
GeH <sub>4</sub>	Germane	50	1 000	500	3 000	10 000	60 000
C <sub>5</sub> H <sub>8</sub> O <sub>2</sub>	Glutaraldehyde	5	90	45	270	900	5 400
C <sub>7</sub> H <sub>14</sub> O	Heptan-2-one	4	70	35	210	700	4 200
C <sub>7</sub> H <sub>14</sub> O	Heptan-3-one	4	75	40	240	800	4 800
C <sub>7</sub> H <sub>16</sub>	Heptane n-	10	200	105	630	2 100	12 600
C <sub>6</sub> H <sub>19</sub> NSi <sub>2</sub>	Hexamethyldisilazane, 1,1,1,3,3,3-	5	100	50	300	1 000	6 000
C <sub>6</sub> H <sub>18</sub> OSi <sub>2</sub>	Hexamethyldisiloxane.	1	30	15	90	300	1 800
C <sub>6</sub> H <sub>12</sub> O	Hexan-2-one	4	80	40	240	800	4 800
C <sub>6</sub> H <sub>14</sub>	Hexane n-	20	420	210	1 260	4 200	25 200
C <sub>6</sub> H <sub>12</sub>	Hexene, 1-	5	90	45	270	900	5 400
H <sub>4</sub> N <sub>2</sub>	Hydrazine	15	300	150	900	3 000	18 000
H <sub>2</sub> O <sub>2</sub>	Hydrogen peroxide	20	400	200	1 200	4 000	24 000
H <sub>2</sub> S	Hydrogen sulfide	20	400	200	1 200	4 000	24 000
C <sub>6</sub> H <sub>6</sub> O <sub>2</sub>	Hydroquinone	4	80	40	240	800	4 800
C <sub>6</sub> H <sub>10</sub> O <sub>3</sub>	Hydroxypropyl acrylate 2-	8	150	75	450	1 500	9 000
C <sub>4</sub> H <sub>13</sub> N <sub>3</sub>	Iminodi(ethylamine) 2,2-	5	90	45	270	900	5 400
C <sub>4</sub> H <sub>11</sub> NO <sub>2</sub>	Iminodiethanol 2,2-	8	160	80	480	1 600	9 600
C <sub>9</sub> H <sub>8</sub>	Indene	2	50	25	150	500	3 000
I <sub>2</sub>	Iodine	1	15	10	60	200	1 200

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CHI <sub>3</sub>	Iodoform	8	150	75	450	1 500	9 000
CH <sub>3</sub> I	Iodomethane	2	40	20	120	400	2 400
C <sub>7</sub> H <sub>14</sub> O <sub>2</sub>	Isoamyl acetate	8	160	80	480	1 600	9 600
C <sub>4</sub> H <sub>10</sub>	Isobutane	40	800	400	2 400	8 000	48 000
C <sub>4</sub> H <sub>10</sub> O	Isobutanol	20	350	175	1 050	3 500	21 000
C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	Isobutyl acetate	10	230	115	690	2 300	13 800
C <sub>7</sub> H <sub>12</sub> O <sub>2</sub>	Isobutyl acrylate	7	130	65	390	1 300	7 800
C <sub>4</sub> H <sub>8</sub>	Isobutylene	5	100	50	300	1 000	6 000
C <sub>4</sub> H <sub>8</sub> O	Isobutyraldehyde	6	120	60	360	1 200	7 200
C <sub>10</sub> H <sub>22</sub> O	Isodecanol	5	90	45	270	900	5 400
C <sub>9</sub> H <sub>20</sub> O	Isononanol	8	150	75	450	1 500	9 000
C <sub>8</sub> H <sub>18</sub>	Isooctane	5	100	55	330	1 100	6 600
C <sub>8</sub> H <sub>18</sub> O	Isooctanol	9	170	85	510	1 700	10 200
C <sub>5</sub> H <sub>12</sub>	Isopentane	30	600	300	1 800	6 000	36 000
C <sub>9</sub> H <sub>14</sub> O	Isophorone	4	75	40	240	800	4 800
C <sub>5</sub> H <sub>8</sub>	Isoprene	3	70	35	210	700	4 200
C <sub>3</sub> H <sub>8</sub> O	Isopropanol	22	440	220	1 320	4 400	26 400
C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	Isopropyl acetate	10	220	110	660	2 200	13 200
C <sub>4</sub> H <sub>7</sub> O <sub>2</sub> Cl	Isopropyl chloroformate	8	160	80	480	1 600	9 600
-	Jet Fuel JP-4	4	75	40	240	800	4 800
-	Jet Fuel JP-5	3	60	35	210	700	4 200
-	Jet Fuel JP-8	3	60	35	210	700	4 200
-	Kerosene	4	90	40	240	800	4 800
C <sub>2</sub> H <sub>2</sub> O	Ketene	15	300	150	900	3 000	18 000
C <sub>4</sub> H <sub>2</sub> O <sub>3</sub>	Maleic anhydride	10	200	100	600	2 000	12 000
C <sub>2</sub> H <sub>4</sub> O <sub>2</sub> S	Mercaptoacetic acid	5	100	50	300	1 000	6 000
C <sub>9</sub> H <sub>12</sub>	Mesitylene	2	30	15	90	300	1 800
C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	Methacrylic acid	12	230	115	690	2 300	13 800
C <sub>4</sub> H <sub>5</sub> N	Methacrylonitrile	25	500	250	1 500	5 000	30 000
CH <sub>4</sub> O	Methanol	1 000	20 000	10 000	60 000	200 000	1 200 000
C <sub>3</sub> H <sub>8</sub> O <sub>2</sub>	Methoxyethanol, 2-	15	270	135	810	2 700	16 200
C <sub>5</sub> H <sub>12</sub> O <sub>3</sub>	Methoxyethoxyethanol, 2-	7	140	70	420	1 400	8 400
C <sub>7</sub> H <sub>16</sub> O <sub>3</sub>	Methoxymethylethoxy-2- propanol	7	130	65	390	1 300	7 800
C <sub>4</sub> H <sub>10</sub> O <sub>2</sub>	Methoxypropan-2-ol	15	300	150	900	3 000	18 000
C <sub>6</sub> H <sub>12</sub> O <sub>3</sub>	Methoxypropyl acetate	6	120	60	360	1 200	7 200
C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	Methyl acetate	25	500	260	1 560	5 200	31 200
C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	Methyl acrylate	17	340	170	1 020	3 400	20 400
CH <sub>3</sub> Br	Methyl bromide	10	190	95	570	1 900	11 400
C <sub>5</sub> H <sub>5</sub> O <sub>2</sub> N	Methyl cyanoacrylate	25	500	250	1 500	5 000	30 000
C <sub>4</sub> H <sub>8</sub> O	Methyl ethyl ketone	4	80	40	240	800	4 800
C <sub>8</sub> H <sub>18</sub> O <sub>2</sub>	Methyl ethyl ketone peroxides	4	80	40	240	800	4 800
C <sub>6</sub> H <sub>12</sub> O	Methyl isobutyl ketone	4	80	40	240	800	4 800
C <sub>2</sub> H <sub>3</sub> NS	Methyl isothiocyanate	3	60	30	180	600	3 600
CH <sub>4</sub> S	Methyl mercaptan	4	70	35	210	700	4 200

Formel	Title	Resolution Auflösung (ppb)		Nominal Range (ppm)		Maximum Overload (ppm)	
		typical PID50	typical PID300	PID50 50 ppm	PID300 300ppm	PID50 1000 ppm	PID300 6000 ppm
C <sub>5</sub> H <sub>8</sub> O <sub>2</sub>	Methyl methacrylate	8	160	80	480	1 600	9 600
C <sub>5</sub> H <sub>10</sub> O	Methyl propyl ketone	4	80	40	240	800	4 800
C <sub>8</sub> H <sub>8</sub> O <sub>3</sub>	Methyl salicylate	6	120	60	360	1 200	7 200
C <sub>2</sub> H <sub>6</sub> S	Methyl sulphide	3	50	25	150	500	3 000
C <sub>5</sub> H <sub>12</sub> O	Methyl t-butyl ether	4	80	40	240	800	4 800
C <sub>4</sub> H <sub>8</sub> O	Methyl-2-propen-1-ol, 2-	5	100	55	330	1 100	6 600
C <sub>5</sub> H <sub>9</sub> NO	Methyl-2-pyrrolidinone, N-	5	90	45	270	900	5 400
C <sub>7</sub> H <sub>6</sub> N <sub>2</sub> O <sub>5</sub>	Methyl-4,6-dinitrophenol, 2-	15	300	150	900	3 000	18 000
C <sub>8</sub> H <sub>14</sub> O	Methyl-5-hepten-2-one, 6-	4	80	40	240	800	4 800
CH <sub>5</sub> N	Methylamine	7	140	70	420	1 400	8 400
C <sub>5</sub> H <sub>12</sub> O	Methylbutan-1-ol, 3-	17	340	170	1 020	3 400	20 400
C <sub>7</sub> H <sub>14</sub>	Methylcyclohexane	6	110	55	330	1 100	6 600
C <sub>7</sub> H <sub>14</sub> O	Methylcyclohexanol, 4-	12	240	120	720	2 400	14 400
C <sub>7</sub> H <sub>12</sub> O	Methylcyclohexanone 2-	5	100	50	300	1 000	6 000
C <sub>8</sub> H <sub>16</sub> O	Methylheptan-3-one, 5-	4	75	40	240	800	4 800
C <sub>7</sub> H <sub>14</sub> O	Methylhexan-2-one, 5-	4	75	40	240	800	4 800
CH <sub>6</sub> N <sub>2</sub>	Methylhydrazine	7	130	65	390	1 300	7 800
C <sub>7</sub> H <sub>5</sub> N <sub>5</sub> O <sub>8</sub>	Methyl-N-2,4, 6- tetranitroaniline, N-	15	300	150	900	3 000	18 000
C <sub>6</sub> H <sub>10</sub> O	Methylpent-3-en-2-one, 4-	4	70	35	210	700	4 200
C <sub>6</sub> H <sub>14</sub> O	Methylpentan-2-ol, 4-	14	280	140	840	2 800	16 800
C <sub>6</sub> H <sub>14</sub> O <sub>2</sub>	Methylpentane-2,4-diol, 2-	20	400	200	1 200	4 000	24 000
C <sub>4</sub> H <sub>10</sub> O	Methylpropan-2-ol, 2-	18	350	175	1 050	3 500	21 000
C <sub>9</sub> H <sub>10</sub>	Methylstyrene	3	50	25	150	500	3 000
-	Mineral oil	4	80	40	240	800	4 800
-	Mineral spirits	4	80	40	240	800	4 800
C <sub>10</sub> H <sub>8</sub>	Naphthalene	2	45	20	120	400	2 400
NO	Nitric oxide	40	800	400	2 400	8 000	48 000
C <sub>6</sub> H <sub>6</sub> N <sub>2</sub> O <sub>2</sub>	Nitroaniline 4-	4	80	40	240	800	4 800
C <sub>6</sub> H <sub>5</sub> NO <sub>2</sub>	Nitrobenzene	10	170	85	510	1 700	10 200
NO <sub>2</sub>	Nitrogen dioxide	50	1 000	500	3 000	10 000	60 000
NCl <sub>3</sub>	Nitrogen trichloride	5	100	50	300	1 000	6 000
C <sub>9</sub> H <sub>20</sub>	Nonane, n-	6	130	65	390	1 300	7 800
C <sub>7</sub> H <sub>8</sub>	Norbornadiene, 2,5-	3	60	30	180	600	3 600
C <sub>10</sub> Cl <sub>8</sub>	Octachloronaphthalene	5	100	50	300	1 000	6 000
C <sub>8</sub> H <sub>18</sub>	Octane, n-	8	160	80	480	1 600	9 600
C <sub>8</sub> H <sub>16</sub>	Octene, 1-	3	70	35	210	700	4 200
C <sub>4</sub> H <sub>10</sub> O <sub>3</sub>	Oxydiethanol 2,2-	20	400	200	1 200	4 000	24 000
-	Paraffin wax, fume	5	100	50	300	1 000	6 000
-	Paraffins, normal	5	100	50	300	1 000	6 000
FeC <sub>5</sub> O <sub>5</sub>	Pentacarbonyl iron	5	100	50	300	1 000	6 000
C <sub>5</sub> H <sub>10</sub> O	Pentan-2-one	4	80	40	240	800	4 800
C <sub>5</sub> H <sub>10</sub> O	Pentan-3-one	4	80	40	240	800	4 800
C <sub>5</sub> H <sub>8</sub> O <sub>2</sub>	Pentandione, 2,4-	4	75	40	240	800	4 800
C <sub>5</sub> H <sub>12</sub>	Pentane, n-	40	800	395	2 370	7 900	47 400

Formel	Title	Resolution Auflösung (ppb)		Nominal Range (ppm)		Maximum Overload (ppm)	
		typical PID50	typical PID300	PID50 50 ppm	PID300 300ppm	PID50 1000 ppm	PID300 6000 ppm
C2H4O3	Peracetic acid	10	200	100	600	2 000	12 000
-	Petroleum ether	5	90	45	270	900	5 400
C6H6O	Phenol	6	120	60	360	1 200	7 200
C9H10	Phenyl propene, 2-	2	45	20	120	400	2 400
C9H10O2	Phenyl-2,3-epoxypropyl ether	4	80	40	240	800	4 800
C6H8N2	Phenylenediamine, p-	3	60	30	180	600	3 600
PH3	Phosphine	10	200	100	600	2 000	12 000
C6H7N	Picoline, 3-	5	90	45	270	900	5 400
C10H16	Pinene, alpha	2	30	15	90	300	1 800
C10H16	Pinene, beta	2	30	15	90	300	1 800
C5H11N	Piperidine	5	90	45	270	900	5 400
C5H8	Piperylene	3	67	35	210	700	4 200
C3H4O	Prop-2-yn-1-ol	7	130	65	390	1 300	7 800
C3H8O	Propan-1-ol	25	480	240	1 440	4 800	28 800
C3H8O2	Propane-1,2-diol, total	50	1 000	500	3 000	10 000	60 000
C3H6	Propene	7	140	70	420	1 400	8 400
C3H6O	Propionaldehyde	8	169	85	510	1 700	10 200
C3H6O2	Propionic acid	40	800	400	2 400	8 000	48 000
C5H10O2	Propyl acetate, n-	13	250	125	750	2 500	15 000
C3H6O	Propylene oxide	35	700	350	2 100	7 000	42 000
C3H7N	Propyleneimine	7	130	65	390	1 300	7 800
C5H5N	Pyridine	4	75	40	240	800	4 800
C5H6N2	Pyridylamine 2-	4	80	40	240	800	4 800
C8H8	<b>Styrene</b>	2	50	20	120	400	2 400
C18H14	Terphenyls C18H14	3	60	30	180	600	3 600
C10H16	Terpinolene	2	50	25	150	500	3 000
C4H10O	Tert-butanol	15	260	130	780	2 600	15 600
C2H2Br4	Tetrabromoethane, 1,1,2,2-	10	200	100	600	2 000	12 000
NiC4O4	Tetracarbonylnickel	5	100	50	300	1 000	6 000
C2Cl4	Tetrachloroethylene	4	70	35	210	700	4 200
C10H4Cl4	Tetrachloronaphthalenes, all isomers	5	100	50	300	1 000	6 000
C8H20O4Si	Tetraethyl orthosilicate	10	200	100	600	2 000	12 000
C2F4	Tetrafluoroethylene	5	100	50	300	1 000	6 000
C4H8O	Tetrahydrofuran	8	150	80	480	1 600	9 600
C8H12N2	Tetramethyl succinonitrile	5	100	50	300	1 000	6 000
-	Therminol	5	100	50	300	1 000	6 000
C7H8	Toluene	3	50	25	150	500	3 000
C9H6N2O2	Toluene-2,4-diisocyanate	8	160	80	480	1 600	9 600
C7H7SO2Cl	Toluenesulphonyl chloride, p-	15	300	150	900	3 000	18 000
C7H9N	Toluidine, o-	3	50	25	150	500	3 000
C12H27O4P	Tributyl phosphate	25	500	250	1 500	5 000	30 000
C12H27N	Tributylamine	5	100	50	300	1 000	6 000
C6H3Cl3	Trichlorobenzene 1,2,4-	3	50	30	180	600	3 600
C2HCl3	Trichloroethylene	3	65	35	210	700	4 200

Formel	Title	Resolution Auflösung (ppb)		Nominal Range (ppm)		Maximum Overload (ppm)	
		typical PID50	typical PID300	PID50 50 ppm	PID300 300ppm	PID50 1000 ppm	PID300 6000 ppm
C8H5O3Cl3	Trichlorophenoxyacetic acid, 2,4,5-	5	100	50	300	1 000	6 000
C6H15N	Triethylamine	5	90	45	270	900	5 400
C3H9N	Trimethylamine	3	50	25	150	500	3 000
C9H12	Trimethylbenzene mixtures C9H12	2	35	15	90	300	1 800
C9H12	Trimethylbenzene, 1,3,5-	2	35	15	90	300	1 800
C10H16	Turpentine	3	60	30	180	600	3 600
TVOC	TVOC	5	100	50	300	1 000	6 000
C11H24	Undecane, n-	5	100	45	270	900	5 400
C4H6O2	Vinyl acetate	6	110	55	330	1 100	6 600
C2H3Br	Vinyl bromide	5	100	50	300	1 000	6 000
C2H3Cl	Vinyl chloride	10	200	105	630	2 100	12 600
C6H9NO	Vinyl-2-pyrrolidinone, 1-	5	90	45	270	900	5 400
C8H10	Xylene mixed isomers	2	40	20	120	400	2 400
C8H10	Xylene, m-	2	50	20	120	400	2 400
C8H10	Xylene, o-	3	60	30	180	600	3 600
C8H10	Xylene, p-	3	50	30	180	600	3 600
C8H11N	Xylidine, all	4	70	35	210	700	4 200

- Aufwärmzeit: PID50: 15 Minuten  
PID300: 5 Minuten
- Lebensdauer: 18 Monate oder 8 000 Messungen
- Temperatur: -20°C...+50°C
- Genauigkeit: -50%...+100% standardmäßig mit Isobutylem kalibriert, typ. +/-25%; -3%...+3 % bei Kalibration im Zielgas;
- Warm-Up Time: PID50: 15 minutes  
PID300: 5 minutes
- Operating Life: >18 months or 8 000 measurements
- Temperature: -2°F...+122°F
- Accuracy: -50%...+100% standardly calibrated with Isobutylene, typ. +/-25%; -3%...+3 % at calibration with target gas;