

MSA / KWIK DRAW TUBES

Gas or Vapour to be measured + TWA	Detector Tube Name	Tube Order Code No.	Measuring range (ppm)	No. Of Pump Strokes	Time per 1 Pump Stroke	Shelf Life (year)	Correction T=Temp. H=Humidity P=Pressure	Measurements
Acetaldehyde C2H4O TWA- 50 ppm	Formaldehyde-0.1	D5086813	1 - 10	20	20 sec	2	-	10
			5 - 50	10				
Acetic Acid CH3COOH TWA- 5 ppm	Acetic Acid-1	D5086821	1 - 15	5	20 sec	2	-	10
			5 - 80	1				
	Acetic Acid-1-ETW (German Text)	D5093821	1 - 15	5	20 sec	2	-	10
			5 - 80	1				
Acetone C3H6O TWA- 500 ppm	MEK-50	D5086837	25 - 3500	3	40 sec	2	-	10
	Acetone-100	D5086829	100 - 1000	6	30 sec	2	-	10
	Acetone-100-ETW (German Text)	D5093829	100 - 1000	6	30 sec	2	-	10
Acetylene C2H2 TWA- 2300 ppm	CO-0.1 %	D5085822	400 - 8300	1	20 sec	2	-	10
Acrolein (Acraldehyde, Acrylic aldehyde, Allyl Aldehyde, Ethylene Aldehyde, Acrylaldehyde) C3H4O	Acrolein-0.1	10017882	0.1 - 5	40	20 sec	2	-	10
			0.2 - 10	20				
	Acrolein-0.1-ETW (German Text)	10017881	0.1 - 5	40	20 sec	2	-	10
			0.2 - 10	20				
Acrylonitrile C3H3N TWA- 2 ppm	Acrylonitrile-0.5	10016376	0.5 - 5	20	20 sec	2	-	5
			1 - 10	10				
			5 - 30	3				
	Acrylonitrile-0.5- ETW (German Text)	10016607	0.5 - 5	20	20 sec	2	-	5
			1 - 10	10				
			5 - 30	3				
Alcohol CxHxOH	Ethanol-100	D5086818	100 - 6000	10	15 sec	2	-	10
Alpha-Pinene (<i>α</i> -Pinene) C10H16 TWA - 20ppm	Formaldehyde-0.1	D7086862	> 0.5	20	12 sec	2	-	10
Amines	Triethyl Amine-5	D5086816	5 - 30	1	20 sec	2	-	10
Ammonia NH3 TWA- 20 ppm	Triethyl Amine-5	D5086816	0.25 - 3	5	20 sec	2	-	10
	NH3-2 (high humidity resistant)	D7085845	2 - 60	10	10 sec	2	-	10
			20 - 600	2				
	NH3-2	D5085845	2 - 80	10	25 sec	2	-	10
			100 - 600	2				
			D5085945	2 - 80				
	100 - 600	2						
	NH3-2-ETW (German Text)	D5092845	2 - 80	10	25 sec	2	-	10
			100 - 600	2				
	NH3-20	D5085814	20 - 1400	1	25 sec	2	-	10
D5085914			20 - 1400	1	25 sec	2	-	200

	NH3-A	D5085755	50 - 250 Warning Marks	2	30 sec	2	-	10
	NH3-100	D5086859	100 - 2000	1	20 sec	2	-	10
	NH3-0.1%	D5085815	0.1 - 10 %	2	25 sec	2	-	10
0.5 - 20 %			10					
Arsine <i>(Hydrogen Arsenide, SA) AsH3</i> TWA- 0.004 ppm	Arsine-0.05	10072098	0.05 - 1	10	1 min	2	-	10
Benzene C6H6 TWA- 1ppm	Benzene 0.2 <i>(Specific)</i>	D5086852	0.25 - 5	15	50 sec	1	-	5
			0.5 - 10	10				
	C6H6-1	D5086835	1 - 25	15	1 min	2	-	10
			5 - 100	4				
	C6H6-5	D5085816	5 - 100	10	1 min	3	-	10
	C6H6-5-ETW <i>(German Text)</i>	D5092816	5 - 100	10	1 min	3	-	10
Aromatic-HC	D5086811	5 - 300	10	15 sec	2	-	10	
Aromatic-A	D5085770	50 - 200 Warning Marks	2	30 sec	2	-	10	
Bromine Br2 TWA- 0.03 ppm	CL2-0.2	D5085801	0.2 - 3	10	20 sec	2	-	10
Bromobenzene C6H5Br	Aromatic-HC	D5086811	30 - 720	10	15 sec	2	-	10
Bromoethane <i>(Ethyl Bromide)</i> C2H5Br TWA - 5 ppm	Methyl Bromide-2	D5086845	2 - 10	4	30 sec	2	-	5
			10 - 100	1				
	Trichloroethane-5	D5086834	15 - 400	10	20 sec	2	-	10
	Methyl Bromide- 200	D5086847	200 - 8000	2	20 sec	2	-	10
Methyl Bromide- 200	D5086847	2000 - 20.000	1	20 sec	2	-	10	
Bromomethane C2H5Br	Trichloroethane-5	D5086834	20 - 270	10	20 sec	2	-	10
Bromopropane 1 C3H7Br TWA- 10 ppm	Trichloroethane-5	D5086834	20 - 270	10	20 sec	2	-	10
Butadiene, 1,3 <i>(Olefines)</i> C4H6 TWA- 20 ppm	Propane-200	D5086831	200 - 3800	5	20 sec	2	-	10
	Ethylene-50	D5086833	100 - 1200	5	20 sec	2	-	10
Butane, n C4H10 TWA - 1000 ppm	Propane-200	D5086831	200 - 4000	3	20 sec	2	-	10
Butyl Alcohol, iso <i>(Isobutanol)</i> C4H10O TWA- 20 ppm	Ethanol-100	D5086818	150 - 2900	10	15 sec	2	-	10
	Alcohols-A	D5085773	250 - 1200 Warning Marks	5	15 sec	2	-	10
Butyl Alcohol, n <i>(n-Butanol, 1-Butanol)</i> C4H10O TWA- 20 ppm	Ethanol-100	D5086818	100 - 3900	10	15 sec	2	-	10
	Alcohols-A	D5085773	200 - 1100 Warning Marks	5	15 sec	2	-	10
Butyl Alcohol, s	Ethanol-100	D5086818	300 - 1500	10	15 sec	2	-	10

<i>(s-Butanol, 2-Butanol)</i> C4H10O TWA- 20 ppm	Alcohols-A	D5085773	500 - 2400 Warning Marks	5	15 sec	2	-	10
Butyl Amine C4H11N	Triethyl Amine-5	D5086816	3 - 36	1	20 sec	2	-	10
Butyl Amine, s C4H11N	Triethyl Amine-5	D5086816	2 - 18	1	20 sec	2	-	10
Butyl Amine, t C4H11N	Triethyl Amine-5	D5086816	2 - 14	1	20 sec	2	-	10
Butyl Mercaptan, t (TBM) C4H10S TWA - 0.5 ppm	Ethyl Mercaptan- 0.5	D5086815	0.8 - 5	15	30 sec	2	-	10
			1.5 - 15	20				
Butylene, 1 (<i>Iso Butylene, Olefins</i>) C4H8	Ethylene-50	D5086833	100 - 5000	10	20 sec	2	-	10
	Gasoline-A	D5085769	100 - 7000 Warning Marks	2	20 sec	2	-	10
Butylene, 2 (<i>Iso Butylene, Olefins</i>) C4H8	Gasoline-A	D5085769	170 - 9000 Warning Marks	2	20 sec	2	-	10
	Ethylene-50	D5086833	200 - 5000	10	20 sec	2	-	10
BZ (<i>3-Quinuclidinyl benzilate</i>) C21H23NO3	BZ-CWA	D5086885	>1 mg/m3	30	4 sec	2	-	10
Carbon Dioxide CO2 TWA- 5000 ppm	CO2 in Biogas	10012107	5 - 40 %	n/a	n/a	#Δ/Y	-	10
	CO2-HP	D5085848	100 - 2000	1,5 liter	5 min	2	-	10
	CO2-100	D5086814	100 - 3000	10	30 sec	2	-	10
	CO2-0.1%	D5085817	0.1 - 7 %	1	20 sec	2	-	10
	CO2-0.1%	D5085917	0.1 - 7 %	1	20 sec	2	-	200
	CO2-0.1%-ETW (German Text) (German language)	D5092817	0.1 - 7 %	1	20 sec	2	-	200
	CO2-A	D5085758	0.5 - 2.5% Warning Marks	2	20 sec	2	-	10
	CO2-0.5%	D5086844	0.5 - 10 %	2	30 sec	2	-	10
	CO2-0.5%	D5086944	0.5 - 10 %	2	30 sec	2	-	200
		D5085841	1 - 20 %	1	20 sec	2	-	10
CO2-1%	D5085941	1 - 20 %	1	20 sec	2	-	200	
Carbon Disulphide CS2 TWA- 4.7 ppm	CS2-2	D5085834	2 - 300	1	20 sec	2	-	10
	CS2-2	D5085934	2 - 300	1	20 sec	2	-	200
	CS2-2-ETW (German Text)	D5092834	2 - 300	1	20 sec	2	-	10
	CO-HP	D5085847	5 - 70	1,5 liter	5 min	2	-	10
	CO-5	D5085836	5 - 1000	10	20 sec	2	-	10
		D5085936	5 - 1000	10	20 sec	2	-	200
	CO-10ppm	D5085821	10 - 300	10	20 sec	3	-	10
			100 - 3000	1				
		D5085921	10 - 300	10	20 sec	3	-	200
100 - 3000	1							

Carbon Monoxide CO TWA- 25 ppm	CO-10ppm-ETW (German Text)	D5092821	10 - 300 100 - 3000	10 1	20 sec	3	-	10
	CO-10Vol%	D5085820	0.001 - 0.03%	10	20 sec	3	-	10
			0.01 - 0.3 %	1				
		D5085920	0.001 - 0.03%	10	20 sec	3	-	200
			0.01 - 0.3 %	1				
	CO-A	D5085759	30 - 150 Warning Marks	2	20 sec	2	-	10
	CO-0.1%	D5085822	0.1 - 1 %	1	20 sec	2	-	10
	CO-0.5%	D5085835	0.3 - 7 %	1	20 sec	2	-	10
CO-3000	D5086839	3000 - 70.000	1	20 sec	2	-	10	
Chlorine Cl2 TWA- 0.25ppm	CL2-0.2	D5085801	0.2 - 3	10	20 sec	2	-	10
	CL2-0.2-ETW (German Text)	D5092801	0.2 - 3	10	20 sec	2	-	10
	CL2-A	D5085757	0.5 - 2.5 Warning Marks	2	20 sec	2	-	10
	CLO2-0.05	D5086812	1 - 9	5	25 sec	2	-	10
			4 - 46	1				
CL2-50	D5086855	50 - 500	1	20 sec	2	-	10	
Chlorine Dioxide ClO2 TWA- 0.05ppm	CLO2-0.05	D5086812	0.05 - 1.5	5	25 sec	2	-	10
0.25 - 15			1					
Chlorobenzene C6H5Cl TWA- 1ppm	Chlorobenzene-10- ETW (German Text)	D5093811	10 - 140	3	50 sec	2	-	10
	Aromatic-HC	D5086811	40 - 610	10	15 sec	2	-	10
	CKW-A (Halogenated Hydro Carbons)	D5085771	70 - 300 Warning Marks	2	25 sec	2	-	10
Chlorobromomethane CH2BrCl	Trichloroethane-5	D5086834	5 - 180	10	20 sec	2	-	10
Chlorobutane, 1 <i>(n-Butylchloride)</i> C4H9Cl	Trichloroethane-5	D5086834	5 - 170	10	20 sec	2	-	10
Chloroethane <i>(Ethyl Chloride)</i> C2H5Cl	Trichloroethane-5	D5086834	50 - 800	10	20 sec	2	-	10
Chloroform <i>(Trichloromethane)</i> C5H11Cl TWA- 0.5 ppm	Trichloroethane-5	D5086834	8 - 100	10	20 sec	2	-	10
Chloropentane, 1 <i>(n-Amyl Chloride)</i> C5H11Cl	Trichloroethane-5	D5086834	5 - 550	10	20 sec	2	-	10
Chloropentane, 2 C5H11Cl	Trichloroethane-5	D5086834	8 - 1700	10	20 sec	2	-	10
Chloropropane, 1 <i>(l-Propylchloride)</i> C3H7Cl	Trichloroethane-5	D5086834	5 - 220	10	20 sec	2	-	10

Chloropropane, 2 (2-Propylchloride) TWA - 91.5 mg/m3	Trichloroethane-5	D5086834	8 - 1700	10	20 sec	2	-	10
Cyanogen Chloride (CK, Prussic Acid, Chlorocyan) NCCI	CK. AC. DP. CG- CWA	D5086884	>5 mg/m3	30	4 sec	2	-	10
	Cyanogen-Chloride- CWA	D5093884	>0.5 mg/m3 (0.2ppm)	20	4 sec	2	-	10
Cycloheptane C7H14	Hexane-20	D5086832	80 - 3300	5	20 sec	2	-	10
Cyclohexane C6H12 TWA - 200 ppm	Hexane-20	D5086832	20 - 1000	5	20 sec	2	-	10
			80 - 3400	2				
	Gasoline-A	D5085769	100 -1000 Warning Marks	2	20 sec	2	-	10
Cyclohexyl Amine C6H13N TWA- 1.21 ppm	Triethyl Amine-5	D5086816	7 - 38	2	20 sec	2	-	10
Cyclooctane C8H16	Hexane-20	D5086832	20 - 2100	10	20 sec	2	-	10
Cyclopentane C5H10 TWA- 600 ppm	Hexane-20	D5086832	80 - 2700	2	20 sec	2	-	10
Cyclosarin (GF) C5H11N2O2P TWA + TLV: 0.0001 mg/m3	Phosph. Acid Esters- CWA	D5086880	>0.01 mg/m3	10	4 sec	1	-	10
Decane, n C10H22 TWA- 59,15 ppm	Hexane-20	D5086832	50 - 500	10	20 sec	2	-	10
Dibromoethane C2H4Br2	Trichloroethane-5	D5086834	9 - 200	10	20 sec	2	-	10
Dibromoethane, 1,1 C2H4Br2	Trichloroethane-5	D5086834	25 - 700	10	20 sec	2	-	10
Dibromoethane, 1,2 CH2Br2 TWA - 0.1 ppm	Trichloroethane-5	D5086834	25 - 700	10	20 sec	2	-	10
Dibromomethane, 1,2 CH2Br2	Trichloroethane-5	D5086834	25 - 700	10	20 sec	2	-	10
Dichlorobenzene, 1,2 C6H4Cl2 TWA - 10 ppm	CKW-A (Halogenated Hydro Carbons)	D5085771	70 - 250 Warning Marks	2	25 sec	2	-	10
Dichloroethane, 1,1 C2H4Cl2 TWA - 50 ppm	Trichloroethane-5	D5086834	8 - 300	10	20 sec	2	-	10
Dichloroethane, 1,2 (Ethylene Dichloride, 1,2 DCE) C2H4Cl2 TWA - 1 ppm	Dichlormethane-A		D5085772	70 - 350 Warning Marks	5	20 sec	2	-
	Methyl Bromide- 0.2 - (Container Degassing)	D7086878	1.08 - 10.8	1+5	1 min	2	-	10
			10.8 - 43.2	1+2				
		27 - 108	1+1					
Dichloroethylene, 1,1 (Vinylidene Chloride)	Trichloroethane-5	D5086834	10 - 600	10	20 sec	2	-	10

(Vinylidene Chloride) C ₂ H ₂ Cl ₂ TWA - 100 ppm	CKW-A (Halogenated Hydro Carbons)	D5085771	30 - 80 Warning Marks	2	25 sec	2	-	10
Dichloroethylene, 1,2 (Acetylene Dichloride) C ₂ H ₂ Cl ₂ TWA - 100 ppm	Trichloroethane-5	D5086834	10 - 500	10	20 sec	2	-	10
	CKW-A (Halogenated Hydro Carbons)	D5085771	40 - 120 Warning Marks	2	25 sec	2	-	10
Dichloromethane (Methylene Chloride) CH ₂ Cl ₂ TWA- 35 ppm	Dichloromethane- 50	D5085823	12.5 - 200	40	20 sec	2	-	10
			25 - 400	20				
			100 - 1000	10				
	Dichloromethane-A	D5085772	100 - 500 Warning Marks	5	20 sec	2	-	10
Dichloropropane, 1,2 (Propylene Dichloride) C ₃ H ₆ Cl ₂ TWA - 10 ppm	Trichloroethane-5	D5086834	5 - 440	10	20 sec	2	-	10
Dichloropropane, 1,3 (Trimethylene Dichloride) C ₃ H ₆ Cl ₂	Trichloroethane-5	D5086834	5 - 220	10	20 sec	2	-	10
Diethyl Amine C ₄ H ₁₁ N TWA - 5 ppm	Triethyl Amine-5	D5086816	3 - 27	2	20 sec	2	-	10
Dimethyl Amine C ₂ H ₇ N	Triethyl Amine-5	D5086816	3 - 27	2	20 sec	2	-	10
Dimethyl Hydrazine, 1,1 C ₂ H ₈ N ₂ TWA- 0.01 ppm	Hydrazine-0.1	D5086861	0.05 - 1.1	5	50 sec	2	-	10
Dimethylbutane, 2,2 (CH ₃) ₃ CCH ₂ CH ₃ TWA- 200 ppm	Hexane-20	D5086832	100 - 4900	2	20 sec	2	-	10
Diphosgene (DP) C ₂ Cl ₄ O ₂ TWA- 0.02 ppm	CK. AC. DP. CG- CWA	D5086884	5 mg/m ³	30	4 sec	2	-	10
Ethanol (Ethyl Alcohol) C ₂ H ₆ O TWA - 500 ppm	Ethanol-100	D5086818	100 - 3000	10	15 sec	2	-	10
			200 - 6000	5				
	Ethanol-100-ETW (German Text)	D5093818	100 - 3000	10	15 sec	2	-	10
			200 - 6000	5				
	Alcohols-A	D5085773	160 - 1000 Warning Marks	5	15 sec	2	-	10
Ethyl Acetate C ₄ H ₈ O ₂ TWA - 150 ppm	Ethyl Acetate-200	10024253	200 - 3000	20	15 sec	2	T	10
Ethyl Amine C ₂ H ₇ N TWA - 4.8 ppm	Triethyl Amine-5	D5086816	4 - 55	1	20 sec	2	-	10
Ethyl Benzene	Tol-5	D5085828	5 - 600	10	40 sec	3	-	10
			10 - 1800	5				

C8H10 TWA - 20 ppm	Aromatic-A	D5085770	130 - 600 Warning Marks	2	30 sec	2	-	10
Ethyl Mercaptan <i>(Ethanethiol)</i>	Ethyl Mercaptan- 0.5	D5086815	0.5 - 5	15	25 sec	2	-	10
			10 - 100	1				
Ethylene (Ethene) C2H4 TWA- 200 ppm	Ethylene-50	D5086833	25 - 500	10	20 sec	2	-	10
			150 - 2500	2				
	300 - 5000	1						
	Gasoline-A	D5085769	130 - 1000 Warning Marks	2	20 sec	2	-	10
Ethylene Diamine C2H8N2 TWA- 10 ppm	Triethyl Amine-5	D5086816	5 - 27	2	20 sec	2	-	10
Ethylene Dibromide <i>(1,2-Dibromoethane)</i> C2H4Br2 TWA- 0.0003 ppm	Methyl Bromide- 0.2 (Container Degassing)	D7086878	0.2 - 2	1+5	1 min	2	-	10
			2 - 8	1+2				
			5 - 20	1+1				
Ethylene Glycol <i>(1,2-Ethanediol, MEG, DEG)</i> C2H6O2 TWA- 20 ppm	Ethylene Glycol-10	D7086887	10 - 180 mg/m3 (4,67 - 83,99 ppm)	10	45 sec	1	-	5
Extraction Gasolines	BNZ-Test	D5085807	100-2000 Warning Marks	2 to 15	20 sec	2	-	10
Formaldehyde CH2O TWA 0.12ppm	Formaldehyde-0.1	D5086813	0.04 - 0.4	40	20 sec	Max 6 mnd	-	10
			0.1 - 1	20				
			1 - 10	10				
	Formaldehyde-0.1- ETW (German Text)	D5093813	0.04 - 0.4	40	20 sec	Max 6 mnd	-	10
			0.1 - 1	20				
	Formaldehyde-0.1 - (Container	D7086862	0.1 - 1.25	20	12 sec	2	-	10
0.2 - 2.5			10					
Formic Acid CH2O2	Acetic Acid-1	D5086821	2 - 24	5	20 sec	2	-	10
			10 - 160	1				
Furfuryl Alcohol TWA- 10 ppm	Phenol-1	D5086838	170 - 1350	20	15 sec	2	-	10
			280 - 1500	10				
Gasoline C10H8 TWA- 9.35 ppm	Gasoline-30	D5085898	30 - 600	10	20 sec	2	-	10
			300 - 6000	1				
		Gasoline-100 <i>(iodine based)</i>	D7086865	100 - 3000 mg/m3 (21 - 630 ppm)	5	25 sec	2	-
	BNZ-Test	D5085807	100 - 2000 Warning Marks	2 to 15	20 sec	2	-	10
Glycerate 3- Phosphate (GP) C3H7O7P TWA + TLV: 0.0001 mg/m3	Phosph. Acid Esters- CWA	D5086880	>0.01 mg/m3	10	4 sec	1	-	10

Heptane, All Isomers	BNZ-Test	D5085807	100-2000 Warning Marks	2 to 15	20 sec	2	-	10
Heptane, n C7H16 TWA - 288 ppm	Gasoline-A	D5085769	120 - 1300 Warning Marks	2	20 sec	2	-	10
	Hexane-20	D5086832	20 - 1000	5	20 sec	2	-	10
50 - 2600			2					
Hexane, All Isomers	BNZ-Test	D5085807	100-2000 Warning Marks	2 to 15	20 sec	2	-	10
Hexane, n C6H14 TWA- 20 ppm	Hexane-20	D5086832	20 - 1000	5	20 sec	2	-	10
			80 - 3200	2				
	Hexane-20-ETW (German Text)	D5093832	20 - 1000	5	20 sec	2	-	10
			80 - 3200	2				
Gasoline-A	D5085769	100 - 1000 Warning Marks	2	20 sec	2	-	10	
Hydrazine (Amidrazone) H4N2 TWA- 0.01 ppm	Methyl Bromide- 200	D5086847	0.05 - 1.2	10	50 sec	2	-	10
	Hydrazine-0.1	D5086861	0.1 - 3	5	50 sec	2	-	10
			0.5 - 10	2				
	Hydrazine-0.1-ETW (German Text)	D5093861	0.1 - 3	5	50 sec	2	-	10
0.5 - 10			2					
Hydro Carbons (Aliphatic)	Hexane-20	D5086832	20 - 1000	5	20 sec	2	-	10
Hydro Carbons (Aromatic)	Aromatic-HC	D5086811	5 - 300	10	10 sec	2	-	10
Hydro Carbons (Halogenated)	CKW-A (Halogenated Hydro Carbons)	D5085771	50 - 150 Warning Marks	2	25 sec	2	-	10
Hydro Carbons (Petroleum / Aliphatic)	Hexane-20	D5086832	20 - 1000	5	20 sec	2	-	10
Hydro Carbons (Petroleum)	Petroleum Hydrocarbon-10 (as n-Octane)	D7086876	10 - 2500	2	20 sec	2	-	10
Hydrocyanic Acid (Hydrogen Cyanide)	Hydrocyanic Acid-2- ETW (German Text)	D5092824	2 - 10	10	20 sec	2	-	10
			5 - 50	2				
Hydrogen Chloride (Hydrochloric Acid) HCL TWA- 5.26 ppm	HCL-1	D5085846	1 - 10	10	20 sec	2	-	10
			5 - 50	2				
	HCL-1-ETW (German Text)	D5085946	1 - 10	10	20 sec	2	-	200
			5 - 50	2				
	HCL-1-ETW (German Text)	D5092846	1 - 10	10	20 sec	2	-	10
			5 - 50	2				
HCL-A	D5085762	5 - 25 Warning Marks	2	20 sec	2	-	10	
HCL-50	D5086858	50 - 500	8	20 sec	2	-	10	
		500 - 5000	1					
		D5085824	2 - 10	10	20 sec	2	-	10

Hydrogen Cyanide (AC) HCN TWA- 0.9 ppm	HCN-2	D5085924	5 - 50	2	20 sec	2	-	10	
		D5085924	2 - 10	10	20 sec	2	-	200	
		5 - 50	2						
	Hydrocyanic Acid-2-ETW (German Text)	D5092824		2 - 10	10	20 sec	2	-	10
				5 - 50	2				
	CK. AC. DP. CG-CWA	D5086884	>5 mg/m3	30	4 sec	2	-	10	
	HCN-A	D5085756	10 - 50 Warning Marks	2	20 sec	2	-	10	
Hydrogen Fluoride HF TWA- 1.8 ppm	HF-1	D5086830	1 - 12	8	40 sec	2	-	10	
			5 - 50	2					
	HF-1-ETW (German Text)	D5093830		1 - 12	8	40 sec	2	-	10
				5 - 50	2				
Hydrogen Peroxide H2O2	H2O2-0,1	D7086880	0.1 - 3	20	10 sec	1	-	10	
				1 - 30					2
Hydrogen Sulphide H2S TWA- 5 ppm	H2S-0.1	10023818	0.1 - 6	10	20 sec	2	-	10	
	H2S-1	D5085826	1 - 20	10	20 sec	3	-	10	
			10 - 200	1					
		D5085926	1 - 20	10	20 sec	3	-	200	
	10 - 200	1							
	H2S-1C	D7086877		1 - 20	10	20 sec	3	-	10
				10 - 200	1				
	H2S-1-ETW (German Text)	D5092826		1 - 200	1	20 sec	3	-	10
	H2S-2	D7086873		2 - 60	1	20 sec	2	-	10
				20 - 600	10				
	H2S-A	D5085764		10 - 50 Warning Marks	2	20 sec	2	-	10
	H2S-100	D5085827	D5085927	100 - 4000	1	20 sec	3	-	10
				100 - 4000	1	20 sec	3	-	200
H2S-0.2%	D7000003	D7000903	0.2 - 7 %	1	20 sec	2	-	10	
			0.2 - 7 %	1	20 sec	2	-	200	
H2S-0.4%	D5086857		0.4 - 4 %	1	20 sec	2	-	10	
H2S-2%	D7086866		2 - 40 %	1	35 sec	2	-	10	
MULTI GAS I Organic Gases (old Polytec)	Multigas-I	D7094870	Click on article number for datasheet	3	20 sec	1	-	10	
MULTI GAS IV Inorganic Gases (old Polytec)	Multigas-IV	D7094871	Click on article number for datasheet	3	20 sec	1	-	10	
Isobutane C4H10 TWA- 1000 ppm	Propane-200	D5086831	200 - 4200	3	20 sec	2	-	10	
Isobutyl Amine C4H11N TWA- 1.24 ppm	Triethyl Amine-5	D5086816	3 - 36	2	20 sec	2	-	10	

Isobutyl Methyl Ketone C ₆ H ₁₂ O	MEK-50	D5086837	50 - 6500	3	40 sec	2	-	10
Isobutylene (Olefins) C ₄ H ₈	Ethylene-50	D5086833	400 - 2600	10	20 sec	2	-	10
Isooctane C ₈ H ₁₈ TWA- 2035mg/m³	Hexane-20	D5086832	100 - 3000	?	20 sec	2	-	10
Isopropyl Mercaptan C ₃ H ₈ S	Ethyl Mercaptan-0.5	D5086815	0.5 - 5.5	15	30 sec	2	-	10
Kerosine	BNZ-Test	D5085807	100-2000 Warning Marks	2 to 15	20 sec	2	-	10
	QL (PID detector tube)	D5085810	Qualitative	1 to 10	10 sec	3	-	10
		D5085910	Qualitative	1 to 10	10 sec	3	-	200
Lewisite (L) C ₂ H ₂ AsCl ₃	Lewisite-CWA	D5086883	>1 mg/m ³	30	4 sec	2	-	10
Light Fuels TWA- 864 ppm	BNZ-Test	D5085807	100-2000 Warning Marks	2 to 15	20 sec	2	-	10
Ligriion	BNZ-Test	D5085807	100-2000 Warning Marks	2 to 15	20 sec	2	-	10
	QL (PID detector tube)	D5085810	Qualitative	1 to 10	10 sec	3	-	10
	Gasoline-30	D5085898	30 - 600	10	20 sec	2	-	10
			300 - 6000	1				
QL (PID detector tube)	D5085910	Qualitative	1 to 10	10 sec	3	-	200	
Liquid Petroleum Gas (LPG) TWA- 864 ppm	QL (PID detector tube)	D5085810	Qualitative	1 to 10	10 sec	3	-	10
	QL (PID detector tube)	D5085910	Qualitative	1 to 10	10 sec	3	-	200
	Propane-200	D5086831	200 - 4000	5	20 sec	2	-	10
Lost-S (Yperite, HD) C ₄ H ₈ Cl ₂ S	HD-CWA	D5086882	>3 mg/m ³	50	4 sec	2	-	10
Lost-S (Yperite, Nitrogen Mustard, H, HN, HD) C ₄ H ₈ Cl ₂ S	HD.HN-CWA	D5086881	>1 mg/m ³	50	4 sec	2	-	10
Mercaptans TWA- 0.5 ppm	Ethyl Mercaptan-0.5	D5086815	0.1 - 1	75	30 sec	2	-	10
			0.5 - 5	15				
			10 - 100	1				
Mercury Vapour			0.003 - 0.024 (0.025 - 0.2 mg/m ³)	80				

Mercury Vapor Hg TWA- 0.002 ppm or 0.02 mg/m3	Hg-0.01	D5085843	0.012 - 0.096 (0.1 - 0.8 mg/m3)	20	25 sec	2	-	10
			0.048 - 0.384 (0.4 - 3.2 mg/m3)	5				
Methane <i>(Natural Gas)</i> CH4 TWA- 1000 ppm	Natural Gas	D5086846	From 0.5% Warning Marks	5	2 min	1	-	5
Methanol <i>(Methyl Alcohol)</i> CH4O TWA- 100 ppm	Ethanol-100	D5086818	100 - 2350	10	15 sec	2	-	10
	Ethanol-100-ETW (German Text)	D5093818	100 - 2350	10	15 sec	2	-	10
	Methanol-100-ETW (German Text)	D5094818	100 - 2500	10	n/a	2	-	10
	Alcohols-A	D5085773	200 - 1000 Warning Marks	5	15 sec	2	-	10
Methyl Amine CH5N TWA- 5 ppm	Triethyl Amine-5	D5086816	4 - 55	1	20 sec	2	-	10
Methyl Bromide CH3Br TWA- 0.2 ppm	Methyl Bromide-0.2 - (Container Degassing)	D7086878	0.2 - 2	1+5	1 min	2	-	10
			2 - 8	1+2				
			5 - 20	1+1				
	Methyl Bromide-2	D5086845	0.2 - 10	6	30 sec	2	-	5
			10 - 100	1				
Trichloroethane-5	D5086834	9 - 200	10	20 sec	2	-	10	
Methyl Bromide-200	D5086847	200 - 8000	2	20 sec	2	-	10	
		2000 - 20.000	1					
Methyl Butane, 2 <i>(Isopentane)</i> C5H12 TWA- 250 ppm	Hexane-20	D5086832	50 - 3000	2	20 sec	2	-	10
Methyl Cycloheptane C8H16O	Hexane-20	D5086832	80 - 4900	5	20 sec	2	-	10
Methyl Cyclopentane C6H12	Hexane-20	D5086832	150 - 3700	2	20 sec	2	-	10
Methyl Ethyl Ketone <i>(MEK)</i> C4H8O TWA- 200 ppm	MEK-50	D5086837	50 - 4000	3	40 sec	2	-	10
Methyl Hydrazine CH6N2 TWA- 0.01 ppm	Hydrazine-0.1	D5086861	0.2 - 4	5	50 sec	2	-	10
Methyl Mercaptan <i>(Methanethiol)</i> CH4S TWA- 0.5 ppm	Ethyl Mercaptan-0.5	D5086815	0.5 - 5	15	30 sec	2	-	10

Methyl Methacrylate (MMA) C5H8O2 TWA- 5 ppm	Acrolein-0.1	10017882	1.5 - 115	3	20 sec	2	-	10
Methyl Pentane, 2 TWA- 200 ppm	Hexane-20	D5086832	150 - 4500	2	20 sec	2	-	10
Methyl Pentane, 3 TWA- 200 ppm	Hexane-20	D5086832	100 - 3700	2	20 sec	2	-	10
Natural Gas (Methane) CH4 TWA- 1000 ppm	Natural Gas	D5086846	From 0.5% Warning Marks	5	2 min	1	-	5
Nitrogen Dioxide NO2 TWA- 0.2 ppm	NO2+NO	D7086863	2.5 - 200	1	50 sec	1	-	5 + 5
	NO2-0.5	D5085805	0.5 - 50	5	20 sec	2	-	10
	NO2-0.5-ETW (German Text)	D5092805	0.5 - 50	5	20 sec	2	-	10
	NO2-2	D5085867 D5085967	2 - 140 2 - 140	5 5	20 sec 20 sec	2 2	- -	10 200
Nitrogen Oxides (Nitrous Gases/Fumes) NOx TWA- 0.2 ppm <i>Not for N2O or Nitrous Oxide (laughing gas)</i>	NO2+NO	D7086863	2.5 - 200	1	50 sec	1	-	5 + 5
	Nitr.-HP	D5086850	0.2 - 2.5 0.5 - 6	3 liter 1,5 liter	10 min 5 min	2	-	10
	Nitr.-0.5	D5085818	0.5 - 50	5	20 sec	2	-	10
	Nitr.-0.5	D5085918	0.5 - 50	5	20 sec	2	-	200
	Nitr.-2	D5085844	2 - 70 5 - 140	10 5	20 sec	2	-	10
	Nitr.-A	D5085760	5 - 25 Warning Marks	2	20 sec	2	-	10
	Nitr.-10	D5085808	10 - 300	2	20 sec	2	-	10
	Nitr.-50	D5085809 D5085909	50 - 3000 50 - 3000	1 1	20 sec 20 sec	2 2	- -	10 200
Nonane, n C9H20 TWA- 100 ppm	Gasoline-A	D5085769	200 - 3500 Warning Marks	2	20 sec	2	-	10
	Hexane-20	D5086832	50 - 2800	10	20 sec	2	-	10
Octane, n CH3(CH2)6 CH3 TWA- 150 ppm	Gasoline-A	D5085769	150 - 2000 Warning Marks	2	20 sec	2	-	10
	Hexane-20	D5086832	50 - 3000	5	20 sec	2	-	10
	Petroleum Hydrocarbon-10 (as n-Octane)	D7086876	10 - 2500	2	20 sec	2	-	10
Oil, Mineralic / Oil, Synthetic (Compressor Oil Mist)	Oil-HP	10040887 (before D5085850)	0.1 - 1 mg/m3 (Warning Marks)	-	-	2	-	10
Organic Compounds	QL (PID detector tube)	D5085810	Qualitative	1 to 10	10 sec	3	-	10
		D5085910	Qualitative	1 to 10	10 sec	3	-	200
Otto Fuel	Otto Fuel	D5086817	n/a	n/a	n/a	30 Mon.	n/a	n/a
Oxygen O2	Oxygen-3%	D7086864	3 - 24%	1	4 min	2	-	10

Ozone O3 TWA- 0.06 ppm	Ozone-0.05	D5086828	0.05 - 5	2	40 sec	2	-	10
Pentachloroethane C2HCl5 TWA- 5 ppm	Trichloroethane-5	D5086834	10 - 300	10	20 sec	2	-	10
Pentane, n C5H12 TWA- 600 ppm	Gasoline-A	D5085769	90 - 600 Warning Marks	2	20 sec	2	-	10
	Hexane-20	D5086832	50 - 500	5	20 sec	2	-	10
350 - 3900			1					
Petroleum Distillates TWA- 10 ppm	QL (PID detector tube)	D5085810	Qualitative	1 to 10	10 sec	3	-	10
		D5085910	Qualitative	1 to 10	10 sec	3	-	200
	Gasoline-30	D5085898	30 - 600	10	20 sec	2	-	10
			300 - 6000	1				
BNZ-Test	D5085807	100 - 2000 Warning Marks	2 to 15	20 sec	2	-	10	
Petroleum Ether C7H7BrMg TWA- 28 ppm	BNZ-Test	D5085807	100 - 2000 Warning Marks	2 to 15	20 sec	2	-	10
Phenol C6H6O TWA- 1 ppm	Phenol-1	D5086838	1 - 15	20	15 sec	2	-	10
			5 - 25	10				
	Phenol-1-ETW (German Text)	D5093838	1 - 15	20	15 sec	2	-	10
			5 - 25	10				
Phosgene (Carbonyl Dichloride, CG) CCl2O TWA- 0.02 ppm	Phosgene-0.1	D5085854	0.1 - 5	20	20 sec	2	-	10
			1 - 20	5				
	Phosgene-0.1-ETW (German Text)	D5092854	0.1 - 5	20	20 sec	2	-	10
			1 - 20	5				
Phosgene-A	D5085761	>0.5 Warning Mark	5	20 sec	2	-	10	
CK. AC. DP. CG- CWA	D5086884	>5 mg/m3	30	4 sec	2	-	10	
Phosphine PH3 TWA- 0.1 ppm	PH3-0.01	10098412	n/a	n/a	n/a	n/a	n/a	n/a
	PH3-0.05	D5085829	0.05 - 1.5	20	25 sec	2	-	10
			0.1 - 3.0	10				
	PH3-0.05	D5085929	0.05 - 1.5	20	25 sec	2	-	200
			0.1 - 3.0	10				
	PH3-0.05-ETW (German Text)	D5092829	0.05 - 1.5	20	25 sec	2	-	10
			0.1 - 3.0	10				
	PH3-0.1	D5085830	0.1 - 10	10	20 sec	3	-	10
D5085930		0.1 - 10	10	20 sec	3	-	200	
PH3-50	D5085831	50 - 2000	1	20 sec	3	-	10	
	D5085931	50 - 2000	1	20 sec	3	-	200	
Propane C3H8 TWA- 980 ppm	Propane-200	D5086831	200 - 4000	5	20 sec	2	-	10
Propyl Alcohol, iso	Ethanol-100	D5086818	200 - 5000	10	15 sec	2	-	10

(Isopropanol) C3H8O TWA- 200 ppm	Alcohols-A	D5085773	400 - 1800 Warning Marks	5	15 sec	2	-	10
Propyl Alcohol, n (n-Propanol) C3H8O	Ethanol-100	D5086818	100 - 3000	10	15 sec	2	-	10
	Alcohols-A	D5085773	Warning Marks	5	15 sec	2	-	10
Propyl Amine, iso C3H8O	Triethyl Amine-5	D5086816	5 - 30	2	20 sec	2	-	10
Propyl Amine, n C6H15N	Triethyl Amine-5	D5086816	2 - 28	2	20 sec	2	-	10
Propyl Mercaptan, iso	Ethyl Mercaptan- 0.5	D5086815	0.5 - 5.5	15	30 sec	2	-	10
Propyl Mercaptan, n	Ethyl Mercaptan- 0.5	D5086815	0.7 - 8	15	30 sec	2	-	10
Propylene (Olefins) C3H6 TWA- 24 ppm	Ethylene-50	D5086833	20 - 5000	10	20 sec	2	-	10
	Gasoline-A	D5085769	100 - 5000 Warning Marks	2	20 sec	2	-	10
Qualitest (PID detector tube)	QL (PID detector tube)	D5085810	Qualitative	1 to 10	10 sec	3	-	10
		D5085910	Qualitative	1 to 10	10 sec	3	-	200
Sarin (GB) C4H10FO2P TWA + TLV: 0.0001 mg/m3	Phosph. Acid Esters- CWA	D5086880	>0.01 mg/m3	10	4 sec	1	-	10
Scentinel E	Ethyl Mercaptan- 0.5	D5086815	0.8 - 7.5	10	25 sec	2	-	10
			1.6 - 16.7	5				
Soman (GD) C7H16FO2P TWA + TLV: 0.0001 mg/m3	Phosph. Acid Esters- CWA	D5086880	>0.01 mg/m3	10	4 sec	1	-	10
Styrene (Vinyl Benzene) C8H8 TWA- 20 ppm	Styrene-10	D5086819	10 - 300	10	10 sec	2	-	10
	Styrene-10-ETW (German Text)	D5093819	10 - 300	10	10 sec	2	-	10
Sulphur Dioxide SO2 TWA- 1.9 ppm	SO2-1	D5085803	0.5 - 8	10	25 sec	2	-	10
			1 - 25	3				
	SO2-1-ETW (German Text)	D5092803	0.5 - 8	10	25 sec	2	-	10
			1 - 25	3				
	SO2-A	D5085763	2 - 10 Warning Marks	2	25 sec	2	-	10
SO2-5	D5085813	5 - 50	3	25 sec	2	-	10	
		40 - 200	1					
SO2-100	D5085825	100 - 500 500 - 4000	5 1	20 sec	2	-	10	
Sulphur Hexafluoride SF6 TWA- 1000 ppm	SF6	D5085838	0.5 - 15	0,6 liter with 3 liter/ min. with 50mbar	5 min	2	-	10

Tabun (GA) C5H11N2O2P TWA + TLV: 0.0001 mg/m3	Phosph. Acid Esters-CWA	D5086880	>0.01 mg/m3	10	4 sec	1	-	10
Tetrabromoethane C2H2Br4 TWA- 484 ppm	Per-5	D5085865	5 - 200	10	30 sec	2	-	10
			10 - 500	5				
Tetrabromoethane, 1,1,2,2 (Acetylene Tetrabromide) C2H2Br4 TWA- 484 ppm	CKW-A (Halogenated Hydro Carbons)	D5085771	250 - 700 Warning Marks	2	25 sec	2	-	10
	Trichloroethane-5	D5086834	5 - 200	10	20 sec	2	-	5
Tetrachloroethane, 1,1,2,2- (Acetylene Tetrachloride) TWA- 1 ppm	Trichloroethane-5	D5086834	50 - 1000	10	20 sec	2	-	5
Tetrachloroethylene (Perchloroethylene) C2Cl4 TWA- 20 ppm	Per-10	D5085840 Obsolete, See	5 - 200	5	30 sec	2	-	10
			10 - 500	5				
	Per-10	D5085940	5 - 200	5	30 sec	2	-	200
			10 - 500	5				
Per-10-ETW (German Text)	D5092865	5 - 200	5	30 sec	2	-	10	
		10 - 500	5					
Per-5	D5085865	5 - 200	5	30 sec	2	-	10	
		10 - 500	5					
Tetrahydrofuran (THF) C4H8O TWA- 50 ppm	Ethanol-100	D5086818	30 - 980	?	?	2	-	10
Tetrahydrothiophene (THT) C4H8S TWA- 50 ppm	THT-1	D5085866	1 - 10	20	25 sec	2	T	10
	THT-1	D5085966	1 - 10	20	25 sec	2	T	200
Toluene (Methyl Benzene, Phenyl Methane) C7H8 TWA- 50 ppm	Tol-5	D5085828	5 - 1000	5	40 sec	3	-	10
	Tol-5-ETW (German Text)	D5092828	5 - 1000	5	40 sec	3	-	10
	Aromatic-HC	D5086811	30 - 750	10	15 sec	2	-	10
	Aromatic-A	D5085770	100 - 500 Warning Marks	2	30 sec	2	-	10
Toluene Diisocyanate C9H6N2O2 TWA- 0.002 ppm	Toluene Diisocyanate 0.02/A	10012102	0.02 - 0.2	25	50 sec	3	-	9
Tribromomethane (Bromoform) CHBr3 TWA- 0.5 ppm	Trichloroethane-5	D5086834	7 - 200	10	20 sec	2	-	10
Tribromomethane, 1,1,1 CHBr3 TWA- 0.48 ppm	Trichloroethane-5	D5086834	5 - 1500	?	20 sec	2	-	10
	Trichloroethane-5	D5086834	5 - 300	10	20 sec	2	-	10

Trichloroethane, 1,1,1 <i>(Methyl Chloroform)</i> TWA- 100 ppm	Trichloroethane-5-ETW (German Text)	D5093834	5 - 300	10	20 sec	2	-	10
	STC-4	UNI-CF000813	100 - 500	1	2 min	1	T	10
Trichloroethane, 1,1,2 TWA- 8,1 ppm	Trichloroethane-5	D5086834	10 - 170	10	20 sec	2	-	10
	1.1.2-Trichloroethane-ETW (German Text)	D5094834	10 - 150	10	20 sec	2	-	10
Trichloroethylene C2HCl3 TWA- 10 ppm	Tri-5	D5085842	5 - 60 20 - 250	3 1	25 sec	2	-	10
	Tri-5	D5085942	5 - 60 20 - 250	3 1	25 sec	2	-	200
	Tri-5-ETW (German Text)	D5092842	5 - 60 20 - 250	3 1	25 sec	2	-	10
	CKW-A (Halogenated Hydro Carbons)	D5085771	50 - 150 Warning Marks	2	25 sec	2	-	10
Trichloromethane <i>(Chloroform)</i> CHCl3 TWA- 0.5 ppm	Trichloroethane-5	D5086834	8 - 100	10	20 sec	2	-	10
Trichloropropane, 1,2,3 C3H5Cl3 TWA- 0.1 ppm	Trichloroethane-5	D5086834	10 - 1200	10	20 sec	2	-	10
Trimethyl Amine C12H18O4 TWA- 0.4 ppm	Triethyl Amine-5	D5086816	5 - 30	1	20 sec	2	-	10
Trimethyl Pentane, 2,2,4 C8H18	Hexane-20	D5086832	100 - 3000	2	20 sec	2	-	10
Vinyl Chloride <i>(Chloroethylene)</i> C2H3Cl TWA- 3 ppm	VC-1	D5085837	1 - 15 10 - 200	10 2	25 sec	2	-	10
	VC-1-ETW (German Text)	D5092837	1 - 15 10 - 200	10 2	25 sec	2	-	10
	CKW-A (Halogenated Hydro Carbons)	D5085771	25 - 100 Warning Marks	2	25 sec	2	-	10
VX C11H26NO2PS TWA + TLV: 0.0001 mg/m3	Phosph. Acid Esters-CWA	D5086880	>0.01 mg/m3	10	4 sec	1	-	10
Water Vapour H2O	H2O-HP (mg/m3)	D7086872	2 - 200 mg/m3	50 liter	25 min	2	-	10
	H2O-HP (mg/m3)	D5085849	5 - 70 mg/m3 20 - 160 mg/m3	10 liter 5 liter	10 min 5 min	2	-	10
	H2O-HP (ppm)	D5085851	10 - 80 30 - 200	10 liter 5 liter	10 min 5 min	2	-	10
	H2O (r.h%)	D5086849	10 - 100 %	7	20 sec	2	-	10

	H2O-MP	D5086851	100 - 1000 mg/m3	2 liter	2 min	2	-	10
Xylene <i>(Methyl Toluene, Dimethyl Benzene)</i> C8H10 TWA- 50 ppm	Xylene-10	D7086874	10 - 400	5	20	1	-	10
	Aromatic-HC	D5086811	50 - 630	10	15 sec	2	-	10
Xylene, 1,2 <i>(1,2 Dimethyl Benzene, Methyl Toluene)</i> C8H10	Tol-5	D5085828	5 - 2500	10	40 sec	3	-	10
	Aromatic-A	D5085770	150 - 1300 Warning Marks	2	30 sec	2	-	10
Xylene, 1,3 <i>(1,3 Dimethyl Benzene, Methyl Toluene)</i> C8H10 TWA- 50 ppm	Aromatic HC	D5086811	50 - 630	10	15 sec	2	-	10
	Tol-5	D5085828	5 - 2500	10	40 sec	3	-	10
	Aromatic-A	D5085770	150 - 1400 Warning Marks	2	30 sec	2	-	10
Xylene, 1,4 <i>(Methyl Toluene, 1,4 Dimethyl Benzene, p-Dimethyl Benzene)</i> C8H10 TWA- 50 ppm	Tol-5	D5085828	5 - 1200	10	40 sec	3	-	10
	Aromatic-HC	D5086811	50 - 630	10	15 sec	2	-	10
	Aromatic-A	D5085770	150 - 1000 Warning Marks	2	30 sec	2	-	10