

Model 580 EZ & 580 B *or 10.6*  
 Response Factors (R.F.) for PID 10.0 EV Lamp

Compound	Response Factor 580 EZ	I.P. (EV) 580 B	Response Factor 580 B
Acetaldehyde	6.6		
Acetone	1.2	9.69	1.7
Allyl Alcohol		9.67	5.3
Allyl Chloride	4.0	10.20	14.3
Acrolein (2-Propenal)	3.3	10.10	25.0
Ammonia		10.15	24.5
Aniline		7.70	0.6
Benaldehyde		9.53	
Benzene	0.5	9.25	0.7
Benzonitrile		9.71	7.1
2-Bromobutane		9.98	2.5
2-Bromopropane		10.08	3.7
Bromoform (Tribromomethane)	2.2		
1,3-Butadiene	0.8	9.07	1.0
n-Butanol	3.1		
n-Butyl Acetate	2.2	10.01	8.3
T-Butyl Acetate			2.2
n-Butyl Acrylate	1.6		
Butyl Amine		8.71	1.6
n-Butyl Mercaptan	0.5		
Carbon Disulfide	1.2	10.00	2.3
Carbon Tetrachloride		11.47	100.0
Chlorobenzene	0.4	9.07	0.7
2-Chloropropane		10.78	33.3
0-Chlorotoluene		8.83	0.9
Crotonaldehyde (2-Butenal)	1.2		
Cumene (Isopropylbenzene)	0.6		
Cyclohexane	1.3	9.98	2.1
Cyclohexanone	0.9	9.14	1.5
Cyclopentanone		9.25	3.1
0-Dichlorobenzene		9.07	1.0
1,2-Dichlorobenzene (ortho-)	0.5		
1,1-Dichloroethane		11.05	
1,2-Dichloroethane		11.12	50.0
cis-1,2-Dichloroethylene	0.8		
trans-1,2-Dichloroethylene	0.4		
1,2-Dichloropropane		10.87	16.7
Diethyl Amine		8.01	1.5
N,N-Dimethylformamide (DMF)	0.8	9.12	1.5
1,4-Dioxane	1.3		
Dioxane		9.13	2.0
Epichlorohydrin	4.5		
Ethanol	9.5		
Ethyl Acetate	3.8	10.11	9.1
Ethyl Acrylate	2.2		

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Ethyl Alcohol		10.48	
Ethyl Benzene	0.5	8.75	1.7
Ethyl Cellosolve (2-Ethoxyethanol)	1.0		
Ethyl Ether (Diethyl Ether)	1.1	9.59	1.5
Ethylene	9.6		
Ethyl Mercaptan (Ethanethiol)	0.6		
Ethylene Oxide		10.57	33.8
n-Heptane	2.3		
n-Hexane	4.5		
Hexane		10.18	11.3
Hydrogen Sulfide	3.3	10.46	7.3
Isoamyl Acetate	1.6		
Isobutyle Acetate	2.0		
Isobutyraldehyde	1.2		
Isopentane	8.1		
Isoprene (2-Methyl-1,3-Butadiene)	0.6		
Isopropanol	3.8	10.16	19.8
Isopropanol Acetate	2.2	9.99	5.6
Isopropyl Amine		8.72	1.9
Isopropyl Ether	0.8		
N-Methyl Aniline			2.1
Methyl Bromide (Bromomethane)	1.7		
Methyl Ethyl Ketone (2-Butanone)	0.8	9.53	1.6
Methyl Isobutyl Ketone	0.9		
Methyl Isocyanate		10.57	12.5
Methyl Mercaptan	0.5		1.3
Methyl Methacrylate	1.4	10.28	4.2
Methyl Tert-Butyl Ether (MTBE)	0.8		
Monomethylamine	1.0		
Nitric Oxide		9.25	44.9
Nitrobenzene		9.92	12.5
O-Nitrotoluene		11.63	7.1
n-Nonane	1.2		
Iso-Octane (2,2,4-Trimethylpentane)	1.3		
n-Pentane	8.8		
Phenol		8.50	2.9
n-Propanol	3.6		
Proionaldehyde (Propanal)	11.0	9.98	5.3
n-Propyl Acetate	2.9		
Propylene	1.2		
Propylene Oxide	5.8		
Pyridine		9.32	0.6
Sec. Butyl Bromide		9.98	1.7
Styrene	0.4	8.47	
Tetrabromomethane			

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Tetrachloroethylene (Perchloroethylene)	0.6	9.31	1.6
Tetrahydrofuran	1.6	9.54	<b>3.7</b>
Toluene	0.5	8.82	<b>0.5</b>
1,1,2-Trichloroethane			
Trichloroethylene (TCE)	0.5		
Trichloroethylene		9.45	<b>1.3</b>
Vinyl Acetate	1.3	9.19	<b>1.4</b>
Vinyl Bromide	0.4		
Vinyl Chloride (Chloroethylene)	1.8	10.00	<b>1.4</b>
Vinyl Chloride (1,1-DCE)	0.8		
Meta-Xylene	0.5	8.56	<b>0.7</b>
Ortho-Xylene			<b>0.8</b>
Para-Xylene			<b>0.8</b>