

Table IV-1: 1,1-Dichloroethylene Occurrence ¹					
Systems ²					
Level (in mg/L)	16-State Cross- Section - Total Systems with Data	Estimated # of Systems > Level Evaluated (credible intervals) ^{3,6}		Estimated % of Systems > Level Evaluated (credible intervals) ³	
Upper Level Evaluated (without 10-fold risk management factor) ⁴ 0.3	19,101	0	(0-0)	0.000%	(0.000% - 0.000%)
Lower Level Evaluated (with 10-fold risk management factor) ⁵ 0.03	19,101	0	(0-0)	0.000%	(0.000% - 0.000%)
Current MCL 0.007	19,101	3	(1-6)	0.0144%	(0.00518% - 0.0311%)
Population Served by Systems ²					
Level (in mg/L)	16-State Cross- Section - Total Population Served by Systems with Data	Estimated Population Served by Systems > Level Evaluated (credible intervals) ³		Estimated % of Population Served by Systems > Level Evaluated (credible intervals) ³	
Upper Level Evaluated (without 10-fold risk management factor) ⁴ 0.3	106,607,600	0	(0-0)	0.000%	(0.000% - 0.000%)
Lower Level Evaluated (with 10-fold risk management factor) ⁵ 0.03	106,607,600	0	(0-0)	0.000%	(0.000% - 0.000%)
Current MCL 0.007	106,607,600	14,400	(0 - 136,900)	0.0135%	(0.0000328% - 0.128%)
Notes:					
¹ Results are based on the number and percent of systems (and the corresponding population served by those systems) with estimated mean concentrations above the specified level of evaluation.					
² All percentages are shown to three significant figures. All system values are rounded to the nearest whole system. All population values are rounded to the nearest hundred.					
³ "Credible intervals" are generated to quantify the uncertainty around each estimated probability in the Bayesian analysis of the occurrence data. For further explanation of credible intervals and the Bayesian analysis, please see "Occurrence Estimation Methodology and Occurrence Findings Report for the Six-Year Review of Existing National Primary Drinking Water Regulations" (USEPA, 2003d).					
⁴ Based on the change in the RfD and a 20 percent RSC.					
⁵ Based on the change in the RfD, a 20 percent RSC, and a risk management factor of 10.					
⁶ This value does not necessarily reflect the number of systems out of compliance with the current MCL, because these data were collected over the 1993-1997 time period, and because the value represents the estimated mean value over that time period, not the running quarterly average on which compliance is based.					