APPENDIX A

Summary Tables of Contaminant Occurrence Data

Table A-1: Summary comparison of occurrence of Phase II/V contaminants in water systems using surface water vs. ground water, from a national cross-section of States. Percent MCL violations derived from SDWIS information for 1/1/93-3/31/1998.

Table A-2: Summary of occurrence of Phase II/V contaminants from a national cross-section of States. Range of values from all States.
(A-2a - Surface Water Systems
A-2b - Ground Water Systems)

Table A-3: Summary of occurrence of other regulated contaminants from a national cross-section of States. Range of values from all States.
(A-3a - Surface Water Systems
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Table A-4: Summary of occurrence of required unregulated contaminants [1986-1999] from a national cross-section of States. Range of values from all States.
(A-4a - Surface Water Systems
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Table A-5: Summary of occurrence of contaminants on Contaminant Candidate List and NEW Proposed UCMR from a national cross-section of States. Range of values from all States.
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Table A-6: Summary of occurrence of other not-regulated contaminants from a national cross-section of States. Range of values from all States.
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Table A-7: Summary of contaminant occurrence from the Unregulated Contaminant Monitoring Information System (URCIS).
(A-7a - Surface Water Systems
A-7b - Ground Water Systems)

Table A-1. Summary comparison of occurrence of Phase II/V contaminants in water systems using surface water vs. ground water, from national cross-section States. Percent MCL violations derived from SDWIS information for 1/1/93-3/31/1998.

Contaminant	Percent > MRL		Percent > ½ MCL		Percent > MCL*		National % MCL Viol.-SW	National % MCL Viol.-GW
	Surface Water	Ground Water	Surface Water	Ground Water	Surface Water	Ground Water		
Individual Contaminants								
IOCs								
Antimony (total)	4.2%	3.2%	0.8%	1.2%	0.2%	0.4%	0.08%	0.06%
Arsenic	13.0%	19.3%	0.6%	1.6%	0.5%	0.9%	0.00%	0.06%
Asbestos (MCL in fibers per liter)	8.9%	8.5%	0.7%	0.9%	0.7%	0.4%	0.00%	0.01%
Barium	49.1%	47.3%	0.6%	0.8%	0.5%	0.2%	0.00%	0.06%
Beryllium (total)	2.5%	2.1%	0.4%	0.5%	0.0%	0.2%	0.02%	0.02%
Cadmium	5.1%	4.9%	1.3%	1.2%	0.2%	0.6%	0.05%	0.06%
Chromium	10.5%	13.2%	0.3%	0.5%	0.2%	0.2%	0.00%	0.01%
Cyanide	5.1%	2.0%	0.4%	0.5%	0.0%	0.2%	0.02%	0.01%
Fluoride	77.8%	72.5%	0.8%	3.4%	0.5%	1.3%	0.02%	0.18%
Mercury	9.0%	4.5%	1.3%	0.7%	0.5%	0.4%	0.03%	0.04%
Nickel	11.8%	10.6%	1.2%	0.9%	0.4%	0.4%	0.02%	0.01%
Selenium	11.2%	8.6%	0.2%	0.3%	0.0%	0.2%	0.03%	0.07%
Thallium (total)	2.5%	3.6%	0.8%	1.3%	0.0%	0.4%	0.12%	0.06%
SOCs								
2,3,7,8-TCDD (Dioxin)	0.0%	1.3%	0.0%	1.3%	0.0%	1.3%	0.00%	0.00%
2,4,5-TP (Silvex)	2.0%	0.7%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%
2,4-D	11.2%	1.2%	0.2%	0.0%	0.0%	0.0%	0.00%	<0.01%
Alachlor (Lasso)	7.3%	0.3%	1.5%	0.1%	0.2%	0.0%	0.00%	0.00%
Atrazine	21.1%	2.0%	13.2%	0.3%	10.7%	0.1%	0.83%	0.01%
Benzo[a]pyrene	0.5%	0.5%	0.0%	0.1%	0.0%	0.1%	0.00%	0.00%
bis(2-ethylhexyl) adipate	4.9%	6.8%	0.5%	0.4%	0.5%	0.3%	0.02%	0.00%
bis(2-ethylhexyl) phthalate	28.9%	14.9%	3.2%	2.7%	2.8%	1.7%	0.03%	0.01%
Carbofuran (Furadan)	0.8%	0.1%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%
Chlordane	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%
Dalapon	9.4%	0.8%	0.2%	0.0%	0.2%	0.0%	0.00%	0.00%
Dibromochloropropane (DBCP)	4.8%	2.6%	1.1%	2.3%	1.1%	2.0%	0.00%	<0.01%
Dinoseb	2.5%	0.4%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%
Diquat	3.5%	0.8%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%
Endothall	0.3%	0.2%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%
Endrin	2.1%	0.2%	0.2%	0.1%	0.2%	0.0%	0.02%	0.00%
Ethylene Dibromide (EDB)	4.2%	1.0%	3.8%	1.0%	3.7%	0.7%	0.07%	0.04%
Glyphosate (Roundup)	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%
Heptachlor	0.4%	0.2%	0.0%	0.1%	0.0%	0.0%	0.00%	0.00%
Heptachlor Epoxide	0.4%	0.2%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%
Hexachlorobenzene	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%
Hexachlorocyclopentadiene	9.6%	0.1%	1.0%	0.0%	0.6%	0.0%	0.00%	0.00%
Lindane	1.2%	0.3%	0.3%	0.1%	0.3%	0.1%	0.00%	0.00%
Methoxychlor	1.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%
Oxamyl (Vydate)	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%
Pentachlorophenol	3.1%	0.7%	0.4%	0.1%	0.2%	0.0%	0.00%	<0.01%
Picloram (Tordon)	3.7%	0.5%	0.0%	0.0%	0.0%	0.0%	0.00%	<0.01%
Simazine	15.9%	1.4%	2.5%	0.0%	1.0%	0.0%	0.00%	0.00%
Total PCBs	0.2%	0.2%	0.2%	0.1%	0.2%	0.1%	0.00%	<0.01%
Aroclor 1016	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%
Aroclor 1221	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%

Contaminant	Percent > MRL		Percent > ½ MCL		Percent > MCL*		National % MCL Viol.-SW	National % MCL Viol.-GW
	Surface Water	Ground Water	Surface Water	Ground Water	Surface Water	Ground Water		
Aroclor 1232	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%
Aroclor 1242	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%
Aroclor 1248	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%
Aroclor 1254	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%
Aroclor 1260	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%
Toxaphene	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%	0.00%	<0.01%
VOCs								
1,1,1-Trichloroethane	7.3%	3.3%	0.9%	1.3%	0.9%	1.3%	0.00%	0.01%
1,1,2-Trichloroethane	5.7%	0.7%	0.6%	0.4%	0.3%	0.3%	0.00%	0.01%
1,1-Dichloroethene	2.9%	1.5%	0.3%	1.0%	0.3%	0.9%	0.02%	0.04%
1,2,4-Trichlorobenzene	3.1%	1.0%	0.0%	0.4%	0.0%	0.4%	0.00%	0.00%
1,2-Dichloroethane	3.1%	1.4%	0.3%	0.6%	0.3%	0.4%	0.00%	0.02%
1,2-Dichloropropane	3.2%	1.0%	0.6%	0.4%	0.5%	0.3%	0.00%	0.01%
Benzene	3.9%	1.2%	0.5%	0.5%	0.3%	0.4%	0.02%	0.04%
Carbon tetrachloride	9.0%	1.7%	1.6%	0.6%	1.1%	0.4%	0.00%	0.02%
Chlorobenzene	8.1%	1.0%	0.2%	0.3%	0.2%	0.3%	0.00%	<0.01%
cis-1,2-Dichloroethylene	3.3%	1.9%	0.3%	0.7%	0.3%	0.6%	0.00%	0.01%
Ethyl benzene	7.3%	2.2%	0.3%	0.3%	0.3%	0.1%	0.00%	<0.01%
Methylene chloride (Dichloromethane)	25.6%	11.1%	10.4%	3.3%	4.7%	2.3%	0.03%	0.05%
o-Dichlorobenzene	3.7%	1.2%	0.2%	0.6%	0.0%	0.5%	0.00%	0.00%
p-Dichlorobenzene	6.2%	2.0%	0.0%	0.9%	0.0%	0.8%	0.00%	0.00%
Styrene	4.1%	2.1%	0.0%	0.2%	0.0%	0.2%	0.00%	0.00%
Tetrachloroethylene (PCE)	7.1%	4.3%	2.5%	2.3%	1.7%	1.8%	0.13%	0.14%
Toluene	11.9%	3.8%	1.0%	0.7%	0.5%	0.4%	0.00%	0.00%
trans-1,2-Dichloroethylene	2.7%	0.7%	0.0%	0.2%	0.0%	0.2%	0.00%	<0.01%
Trichloroethene (Trichloroethylene, TCE)	5.6%	3.1%	1.9%	1.8%	1.2%	1.5%	0.05%	0.12%
Vinyl chloride	3.1%	0.5%	0.3%	0.2%	0.3%	0.2%	0.00%	0.02%
Xylenes (Total)	12.3%	3.9%	0.2%	0.2%	0.0%	0.1%	0.00%	0.00%
Group Summaries								
IOCs								
IOCs-All Regulated	83.7%	83.5%	6.8%	9.2%	2.5%	4.2%	0.3%	0.6%
SOCs							1.0%	0.1%
SOCs-Group 1	21.9%	2.4%	13.2%	0.3%	10.7%	0.1%		
SOCs-Group 2	20.4%	13.4%	1.2%	1.9%	0.9%	1.0%		
VOCs								
VOCs-All Regulated	41.1%	19.9%	15.4%	7.9%	8.2%	6.1%	0.2%	0.4%
VOCs-Group 1	19.5%	6.6%	1.7%	1.3%	0.9%	0.9%		
VOCs-Group 2	11.1%	6.4%	4.5%	3.9%	2.9%	3.2%		

* % > MCL indicates the proportion of systems with any analytical results exceeding the concentration value of the MCL; it does not necessarily indicate an MCL violation. An MCL violation occurs when the MCL is exceeded by the average results from four quarterly samples or confirmation samples as required by the primacy State.

IOC-Regulated: includes all the regulated IOCs.
SOCs-Group 1: includes alachlor, atrazine, and simazine.
SOCs-Group 2: includes bis(2-ethylhexyl)phthalate, bis(2-ethylhexyl)adipate, and benzo(a)pyrene.
VOCs-Regulated: includes all the regulated VOCs
VOCs-Group 1: includes benzene, ethyl benzene, toluene, and total xylenes (LNAPLEs).
VOCs-Group 2: includes cis-1,2-dichloroethylene, trans-1,2-dichloroethylene, 1,1-dichloroethene, tetrachloroethylene, trichloroethene, and vinyl chloride (DNAPLEs).

Table A-2.a. Summary of Occurrence of Phase II/V Regulated Contaminants in Surface Water Systems from a National Cross Section of States. Range of Values from all States.

	Surface Water Systems															
Chemical Name	All States # of Analyses	All States # of Systems	X Section # of Analyses	X Section # of Systems	% > MRL	Range > MRL			% > 0.5 MCL	Range > 0.5 MCL			% > MCL*	Range > MCL*		
Inorganic Compounds																
Antimony (total)	3,072	627	2,513	520	4.2%	0.0%	-	100.0%	0.8%	0.0%	-	51.9%	0.2%	0.0%	-	0.7%
Arsenic	4,981	736	4,420	629	13.0%	0.5%	-	100.0%	0.6%	0.0%	-	3.0%	0.5%	0.0%	-	3.0%
Asbestos (MCL in fibers per liter)	295	147	268	135	8.9%	7.4%	-	10.7%	0.7%	0.0%	-	1.3%	0.7%	0.0%	-	1.3%
Barium	4,796	732	4,235	625	49.1%	22.1%	-	100.0%	0.6%	0.0%	-	6.1%	0.5%	0.0%	-	3.0%
Beryllium (total)	3,073	624	2,513	517	2.5%	0.0%	-	100.0%	0.4%	0.0%	-	25.9%	0.0%	0.0%	-	0.0%
Cadmium	4,788	734	4,226	627	5.1%	0.0%	-	100.0%	1.3%	0.0%	-	9.1%	0.2%	0.0%	-	1.9%
Chromium	4,775	733	4,214	626	10.5%	0.9%	-	100.0%	0.3%	0.0%	-	0.9%	0.2%	0.0%	-	0.5%
Cyanide	2,143	566	1,915	452	5.1%	0.0%	-	95.7%	0.4%	0.0%	-	3.8%	0.0%	0.0%	-	0.0%
Fluoride	6,050	755	5,482	634	77.8%	44.8%	-	100.0%	0.8%	0.0%	-	1.9%	0.5%	0.0%	-	1.4%
Mercury	4,847	745	4,203	625	9.0%	0.0%	-	100.0%	1.3%	0.0%	-	6.1%	0.5%	0.0%	-	1.9%
Nickel	3,134	624	2,575	517	11.8%	0.0%	-	100.0%	1.2%	0.0%	-	9.1%	0.4%	0.0%	-	3.0%
Selenium	4,775	734	4,214	627	11.2%	0.0%	-	100.0%	0.2%	0.0%	-	3.0%	0.0%	0.0%	-	0.0%
Thallium (total)	3,071	624	2,514	517	2.5%	0.0%	-	100.0%	0.8%	0.0%	-	83.3%	0.0%	0.0%	-	1.9%
Synthetic Organic Compounds																
2,4,5-TP (Silvex)	5,781	719	4,977	599	2.0%	0.0%	-	14.7%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
2,4-D	5,820	719	5,046	599	11.2%	0.0%	-	50.5%	0.2%	0.0%	-	0.6%	0.0%	0.0%	-	0.0%
Alachlor (Lasso)	6,648	625	5,840	518	7.3%	0.0%	-	31.2%	1.5%	0.0%	-	16.3%	0.2%	0.0%	-	5.6%
Atrazine	6,931	639	5,999	532	21.1%	0.0%	-	97.1%	13.2%	0.0%	-	62.4%	10.7%	0.0%	-	51.4%
Benzo[a]pyrene	5,741	542	4,883	419	0.5%	0.0%	-	3.7%	0.0%	0.0%	-	1.9%	0.0%	0.0%	-	0.0%
bis(2-ethylhexyl) adipate	5,404	491	4,700	387	4.9%	0.0%	-	22.2%	0.5%	0.0%	-	3.9%	0.5%	0.0%	-	3.9%
bis(2-ethylhexyl) phthalate	5,512	406	4,661	284	28.9%	7.8%	-	88.9%	3.2%	0.0%	-	7.8%	2.8%	0.0%	-	7.8%
Carbofuran (Furadan)	4,308	622	3,542	502	0.8%	0.0%	-	1.8%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Chlordane	6,427	566	5,703	459	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Dalapon	4,853	556	4,082	436	9.4%	0.0%	-	24.3%	0.2%	0.0%	-	4.0%	0.2%	0.0%	-	4.0%
Dibromochloropropane (DBCP)	6,194	597	5,673	543	4.8%	0.0%	-	13.2%	1.1%	0.0%	-	6.6%	1.1%	0.0%	-	6.6%
Dinoseb	4,930	605	4,163	485	2.5%	0.0%	-	8.7%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Diquat	3,819	488	3,049	368	3.5%	0.0%	-	17.6%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Endothall	3,686	485	2,917	364	0.3%	0.0%	-	1.9%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Endrin	7,136	681	6,388	574	2.1%	0.0%	-	7.4%	0.2%	0.0%	-	0.9%	0.2%	0.0%	-	0.9%
Ethylene Dibromide (EDB)	11,824	600	11,311	546	4.2%	0.0%	-	9.4%	3.8%	0.0%	-	8.5%	3.7%	0.0%	-	8.5%
Glyphosate (Roundup)	2,856	455	2,495	369	0.0%	0.0%	-	0.9%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Heptachlor	6,597	596	5,847	489	0.4%	0.0%	-	1.5%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Heptachlor Epoxide	6,547	588	5,801	481	0.4%	0.0%	-	1.9%	0.0%	0.0%	-	1.9%	0.0%	0.0%	-	1.9%
Hexachlorobenzene	6,452	588	5,702	481	0.4%	0.0%	-	1.9%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Hexachlorocyclopentadiene	5,997	588	5,231	477	9.6%	0.0%	-	33.0%	1.0%	0.0%	-	9.8%	0.6%	0.0%	-	5.9%
Lindane	7,106	680	6,374	573	1.2%	0.0%	-	11.1%	0.3%	0.0%	-	11.1%	0.3%	0.0%	-	11.1%
Methoxychlor	7,114	681	6,364	574	1.0%	0.0%	-	3.7%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Oxamyl (Vydate)	4,096	592	3,329	472	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Pentachlorophenol	5,017	613	4,194	490	3.1%	0.0%	-	8.8%	0.4%	0.0%	-	3.7%	0.2%	0.0%	-	3.7%

Table A-2.a. Summary of Occurrence of Phase II/V Regulated Contaminants in Surface Water Systems from a National Cross Section of States. Range of Values from all States (Continued).

Chemical Name	All States # of Analyses	All States # of Systems	X Section # of Analyses	X Section # of Systems	% > MRL	Range > MRL	% > 0.5 MCL	Range > 0.5 MCL	% > MCL*	Range > MCL*
Picloram (Tordon)	4,933	607	4,165	487	3.7%	0.0% - 14.7%	0.0%	0.0% - 0.0%	0.0%	0.0% - 0.0%
Simazine	6,629	617	5,801	510	15.9%	0.0% - 67.0%	2.5%	0.0% - 11.9%	1.0%	0.0% - 4.6%
Toxaphene	5,768	681	5,040	574	0.3%	0.0% - 1.8%	0.0%	0.0% - 0.0%	0.0%	0.0% - 0.0%
2,3,7,8-TCDD (Dioxin)	497	92	76	38	0.0%	0.0% - 0.0%	0.0%	0.0% - 0.0%	0.0%	0.0% - 0.0%
Total PCBs	4,443	468	3,990	414	0.2%	0.0% - 4.3%	0.2%	0.0% - 4.3%	0.2%	0.0% - 4.3%
Aroclor 1016	258	78	258	78	0.0%	0.0% - 0.0%	N/A			
Aroclor 1221	257	77	257	77	0.0%	0.0% - 0.0%	N/A			
Aroclor 1232	257	77	257	77	0.0%	0.0% - 0.0%	N/A			
Aroclor 1242	258	78	258	78	0.0%	0.0% - 0.0%	N/A			
Aroclor 1248	2,039	173	2,039	173	0.0%	0.0% - 0.0%	N/A			
Aroclor 1254	258	78	258	78	0.0%	0.0% - 0.0%	N/A			
Aroclor 1260	256	77	256	77	0.0%	0.0% - 0.0%	N/A			
Volatile Organic Compounds										
1,1,1-Trichloroethane	12,371	799	11,516	645	7.3%	0.0% - 20.5%	0.9%	0.0% - 18.2%	0.9%	0.0% - 18.2%
1,1,2-Trichloroethane	11,770	787	10,915	631	5.7%	0.0% - 17.1%	0.6%	0.0% - 6.1%	0.3%	0.0% - 6.1%
1,1-Dichloroethene	12,613	801	11,756	646	2.9%	0.0% - 12.8%	0.3%	0.0% - 6.1%	0.3%	0.0% - 6.1%
1,2,4-Trichlorobenzene	10,232	725	9,394	574	3.1%	0.0% - 13.7%	0.0%	0.0% - 0.0%	0.0%	0.0% - 0.0%
1,2-Dichloroethane	12,613	803	11,753	647	3.1%	0.0% - 13.7%	0.3%	0.0% - 3.7%	0.3%	0.0% - 1.9%
1,2-Dichloropropane	11,771	784	10,917	630	3.2%	0.0% - 13.7%	0.6%	0.0% - 6.1%	0.5%	0.0% - 6.1%
Benzene	12,410	797	11,568	644	3.9%	0.0% - 17.1%	0.5%	0.0% - 3.0%	0.3%	0.0% - 3.0%
Carbon tetrachloride	12,432	800	11,577	645	9.0%	0.0% - 37.6%	1.6%	0.0% - 18.2%	1.1%	0.0% - 18.2%
Chlorobenzene	10,814	648	9,960	493	8.1%	0.0% - 31.6%	0.2%	0.0% - 3.0%	0.2%	0.0% - 3.0%
cis-1,2-Dichloroethylene	11,878	788	11,019	633	3.3%	0.0% - 15.4%	0.3%	0.0% - 6.1%	0.3%	0.0% - 6.1%
Ethyl benzene	11,765	784	10,921	630	7.3%	0.0% - 17.1%	0.3%	0.0% - 3.0%	0.3%	0.0% - 3.0%
Methylene chloride (Dichloromethane)	11,560	732	10,686	577	25.6%	0.0% - 73.5%	10.4%	0.0% - 28.2%	4.7%	0.0% - 24.2%
o-Dichlorobenzene	10,685	647	9,833	493	3.7%	0.0% - 13.7%	0.2%	0.0% - 3.0%	0.0%	0.0% - 0.0%
p-Dichlorobenzene	10,723	608	9,871	454	6.2%	0.0% - 17.1%	0.0%	0.0% - 0.0%	0.0%	0.0% - 0.0%
Styrene	11,705	783	10,860	629	4.1%	0.0% - 14.5%	0.0%	0.0% - 0.0%	0.0%	0.0% - 0.0%
Tetrachloroethylene	12,405	788	11,550	632	7.1%	0.0% - 16.2%	2.5%	0.0% - 15.2%	1.7%	0.0% - 15.2%
Toluene	11,752	785	10,908	631	11.9%	0.0% - 30.0%	1.0%	0.0% - 7.5%	0.5%	0.0% - 5.7%
trans-1,2-Dichloroethylene	10,319	718	9,462	561	2.7%	0.0% - 12.8%	0.0%	0.0% - 0.0%	0.0%	0.0% - 0.0%
Trichloroethene (Trichloroethylene)	12,925	801	12,070	646	5.6%	0.0% - 21.2%	1.9%	0.0% - 21.2%	1.2%	0.0% - 21.2%
Vinyl chloride	12,332	800	11,478	645	3.1%	0.0% - 13.7%	0.3%	0.0% - 3.0%	0.3%	0.0% - 3.0%
Xylenes (Total)	11,184	778	10,340	625	12.3%	1.9% - 29.1%	0.2%	0.0% - 1.9%	0.0%	0.0% - 0.0%
o-Xylene	3,456	405	3,353	356	4.2%	0.0% - 100.0%	N/A			
M-Xylene	2,158	283	2,053	232	1.7%	0.0% - 100.0%	N/A			
P-Xylene	1,317	208	1,213	158	0.6%	0.0% - 100.0%	N/A			

N/A = There is no MCL/*HAL* for this contaminant.

* % > MCL indicates the proportion of systems with any analytical results exceeding the concentration value of the MCL; it does not necessarily indicate an MCL violation. An MCL violation occurs when the MCL is exceeded by the average results from four quarterly samples or confirmation samples as required by the primacy State.

Table A-2.b. Summary of Occurrence of Phase II/V Regulated Contaminants in Ground Water Systems from a National Cross Section of States. Range of Values from all States.

Chemical Name	Ground Water Systems															SW + GW
	All States # of Analyses	All States # of Systems	X Section # of Analyses	X Section # of Systems	% > MRL	Range > MRL			% > 0.5 MCL	Range > 0.5 MCL			% > MCL*	Range > MCL*			X Section % > MRL
Inorganic Compounds																	
Antimony (total)	20,069	6,442	16,958	5,014	3.2%	0.0%	-	93.4%	1.2%	0.0%	-	32.0%	0.4%	0.0%	-	1.1%	3.3%
Arsenic	39,629	8,015	36,424	6,588	19.3%	2.5%	-	95.9%	1.6%	0.0%	-	4.6%	0.9%	0.0%	-	2.5%	18.8%
Asbestos (MCL in fibers per liter)	1,165	514	1,097	457	8.5%	2.1%	-	15.8%	0.9%	0.0%	-	1.1%	0.4%	0.0%	-	1.1%	8.6%
Barium	37,856	8,037	34,651	6,609	47.3%	31.5%	-	98.6%	0.8%	0.0%	-	6.9%	0.2%	0.0%	-	3.1%	47.5%
Beryllium (total)	20,007	6,440	16,895	5,012	2.1%	0.0%	-	93.3%	0.5%	0.0%	-	11.9%	0.2%	0.0%	-	0.7%	2.1%
Cadmium	37,905	8,042	34,702	6,615	4.9%	0.4%	-	93.9%	1.2%	0.0%	-	21.7%	0.6%	0.0%	-	1.5%	4.9%
Chromium	37,898	8,042	34,696	6,615	13.2%	1.3%	-	95.7%	0.5%	0.0%	-	2.4%	0.2%	0.0%	-	0.6%	13.0%
Cyanide	14,978	5,324	12,504	3,984	2.0%	0.0%	-	91.1%	0.5%	0.0%	-	1.7%	0.2%	0.0%	-	0.8%	2.3%
Fluoride	45,650	8,364	42,513	6,933	72.5%	40.7%	-	100.0%	3.4%	0.0%	-	12.0%	1.3%	0.0%	-	3.0%	73.0%
Mercury	37,929	8,031	34,594	6,582	4.5%	0.4%	-	93.3%	0.7%	0.0%	-	3.2%	0.4%	0.0%	-	2.0%	4.9%
Nickel	20,098	6,449	16,974	5,020	10.6%	0.6%	-	94.4%	0.9%	0.0%	-	4.1%	0.4%	0.0%	-	0.8%	10.7%
Selenium	38,065	8,008	34,867	6,581	8.6%	0.5%	-	93.3%	0.3%	0.0%	-	0.8%	0.2%	0.0%	-	0.5%	8.8%
Thallium (total)	19,945	6,431	16,840	5,003	3.6%	0.1%	-	93.4%	1.3%	0.0%	-	51.1%	0.4%	0.0%	-	1.3%	3.5%
Synthetic Organic Compounds																	
2,4,5-TP (Silvex)	36,005	8,804	30,996	5,745	0.7%	0.0%	-	6.2%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.8%
2,4-D	38,026	9,074	32,938	6,015	1.2%	0.0%	-	4.7%	0.0%	0.0%	-	0.1%	0.0%	0.0%	-	0.1%	2.1%
Alachlor (Lasso)	35,570	8,713	30,597	5,636	0.3%	0.0%	-	0.9%	0.1%	0.0%	-	0.1%	0.0%	0.0%	-	0.1%	0.9%
Atrazine	44,706	9,387	39,645	6,311	2.0%	0.0%	-	9.2%	0.3%	0.0%	-	2.0%	0.1%	0.0%	-	0.5%	3.5%
Benzo[a]pyrene	26,270	5,350	23,016	3,912	0.5%	0.0%	-	2.9%	0.1%	0.0%	-	0.3%	0.1%	0.0%	-	0.3%	0.5%
bis(2-ethylhexyl) adipate	22,119	4,701	19,077	3,275	6.8%	0.0%	-	23.4%	0.4%	0.0%	-	1.9%	0.3%	0.0%	-	1.5%	6.6%
bis(2-ethylhexyl) phthalate	28,116	5,092	24,722	3,656	14.9%	3.4%	-	54.5%	2.7%	0.0%	-	9.1%	1.7%	0.0%	-	9.1%	15.9%
Carbofuran (Furadan)	32,970	8,835	27,980	5,785	0.1%	0.0%	-	0.1%	0.0%	0.0%	-	0.1%	0.0%	0.0%	-	0.0%	0.1%
Chlordane	34,238	6,396	31,182	4,951	0.1%	0.0%	-	0.7%	0.0%	0.0%	-	0.7%	0.0%	0.0%	-	0.7%	0.1%
Dalapon	25,259	5,234	22,037	3,786	0.8%	0.0%	-	3.7%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	1.7%
Dibromochloropropane (DBCP)	61,672	9,027	58,831	7,637	2.6%	0.0%	-	10.1%	2.3%	0.0%	-	9.3%	2.0%	0.0%	-	8.0%	2.7%
Dinoseb	29,680	8,291	24,677	5,232	0.4%	0.0%	-	3.4%	0.0%	0.0%	-	0.5%	0.0%	0.0%	-	0.5%	0.6%
Diquat	24,688	4,528	21,478	3,084	0.8%	0.0%	-	6.0%	0.0%	0.0%	-	0.1%	0.0%	0.0%	-	0.1%	1.1%
Endothall	22,091	4,643	18,876	3,199	0.2%	0.0%	-	2.6%	0.0%	0.0%	-	0.1%	0.0%	0.0%	-	0.1%	0.2%
Endrin	38,848	8,897	33,949	5,827	0.2%	0.0%	-	1.8%	0.1%	0.0%	-	0.1%	0.0%	0.0%	-	0.1%	0.4%
Ethylene Dibromide (EDB)	107,127	9,122	104,291	7,732	1.0%	0.0%	-	2.6%	1.0%	0.0%	-	4.2%	0.7%	0.0%	-	1.9%	1.2%
Glyphosate (Roundup)	19,038	3,722	16,892	2,587	0.1%	0.0%	-	0.5%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.1%
Heptachlor	35,812	8,438	30,916	5,367	0.2%	0.0%	-	1.0%	0.1%	0.0%	-	0.4%	0.0%	0.0%	-	0.0%	0.2%
Heptachlor Epoxide	35,151	8,332	30,255	5,261	0.2%	0.0%	-	2.9%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.2%
Hexachlorobenzene	31,806	8,209	26,892	5,138	0.0%	0.0%	-	0.4%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%
Hexachlorocyclopentadiene	30,985	8,126	26,054	5,048	0.1%	0.0%	-	0.3%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.9%
Lindane	38,991	8,924	34,096	5,854	0.3%	0.0%	-	6.5%	0.1%	0.0%	-	6.5%	0.1%	0.0%	-	6.5%	0.3%
Methoxychlor	38,154	8,695	33,244	5,625	0.2%	0.0%	-	3.2%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.3%
Oxamyl (Vydate)	29,226	8,027	24,247	4,979	0.1%	0.0%	-	0.3%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.1%
Pentachlorophenol	30,041	8,127	25,011	5,066	0.7%	0.0%	-	5.2%	0.1%	0.0%	-	0.2%	0.0%	0.0%	-	0.2%	0.9%

Table A-2.b. Summary of Occurrence of Phase II/V Regulated Contaminants in Ground Water Systems from a National Cross Section of States. Range of Values from all States (Continued).

Chemical Name	Ground Water Systems																SW + GW
	All States # of Analyses	All States # of Systems	X Section # of Analyses	X Section # of Systems	% > MRL	Range > MRL			% > 0.5 MCL	Range > 0.5 MCL			% > MCL*	Range > MCL*			X Section % > MRL
Picloram (Tordon)	28,850	7,817	23,840	4,758	0.5%	0.0%	-	2.6%	0.0%	0.0%	-	0.5%	0.0%	0.0%	-	0.0%	0.8%
Simazine	43,823	9,160	38,895	6,085	1.4%	0.0%	-	3.2%	0.0%	0.0%	-	0.1%	0.0%	0.0%	-	0.0%	2.5%
Toxaphene	37,884	9,022	33,001	5,952	0.1%	0.0%	-	0.3%	0.0%	0.0%	-	0.1%	0.0%	0.0%	-	0.0%	0.1%
2,3,7,8-TCDD (Dioxin)	621	115	540	75	1.3%	0.0%	-	1.4%	1.3%	0.0%	-	1.4%	1.3%	0.0%	-	1.4%	0.9%
Total PCBs	20,290	3,394	19,858	3,137	0.2%	0.0%	-	0.7%	0.1%	0.0%	-	0.7%	0.1%	0.0%	-	0.7%	0.2%
Aroclor 1016	3,700	1,629	3,700	1,629	0.1%	0.0%	-	0.3%	N/A								0.1%
Aroclor 1221	3,718	1,632	3,718	1,632	0.1%	0.0%	-	0.3%	N/A								0.1%
Aroclor 1232	3,712	1,629	3,712	1,629	0.1%	0.0%	-	0.3%	N/A								0.1%
Aroclor 1242	3,754	1,640	3,754	1,640	0.1%	0.0%	-	0.3%	N/A								0.1%
Aroclor 1248	12,561	2,564	12,561	2,564	0.1%	0.0%	-	0.3%	N/A								0.1%
Aroclor 1254	3,760	1,642	3,760	1,642	0.2%	0.0%	-	0.5%	N/A								0.2%
Aroclor 1260	3,655	1,629	3,655	1,629	0.0%	0.0%	-	0.0%	N/A								0.0%
Volatile Organic Compounds																	
1,1,1-Trichloroethane	149,314	15,960	140,400	12,382	3.3%	1.1%	-	19.4%	1.3%	0.0%	-	8.8%	1.3%	0.0%	-	8.4%	3.5%
1,1,2-Trichloroethane	144,678	15,254	135,872	11,685	0.7%	0.0%	-	2.3%	0.4%	0.0%	-	1.8%	0.3%	0.0%	-	1.8%	1.0%
1,1-Dichloroethene	150,962	15,950	142,146	12,380	1.5%	0.0%	-	5.0%	1.0%	0.0%	-	5.0%	0.9%	0.0%	-	5.0%	1.6%
1,2,4-Trichlorobenzene	122,913	10,930	114,389	7,377	1.0%	0.0%	-	3.6%	0.4%	0.0%	-	1.5%	0.4%	0.0%	-	1.5%	1.1%
1,2-Dichloroethane	149,050	15,959	140,218	12,388	1.4%	0.0%	-	4.3%	0.6%	0.0%	-	2.3%	0.4%	0.0%	-	2.3%	1.5%
1,2-Dichloropropane	141,673	14,026	132,861	10,455	1.0%	0.0%	-	2.4%	0.4%	0.0%	-	1.3%	0.3%	0.0%	-	1.3%	1.1%
Benzene	147,414	15,922	138,814	12,360	1.2%	0.0%	-	4.2%	0.5%	0.0%	-	1.8%	0.4%	0.0%	-	1.8%	1.3%
Carbon tetrachloride	152,076	15,948	143,260	12,379	1.7%	0.0%	-	8.2%	0.6%	0.0%	-	1.8%	0.4%	0.0%	-	1.8%	2.0%
Chlorobenzene	90,558	9,999	81,749	6,431	1.0%	0.0%	-	3.0%	0.3%	0.0%	-	1.0%	0.3%	0.0%	-	1.0%	1.5%
cis-1,2-Dichloroethylene	138,088	12,929	129,152	9,359	1.9%	0.1%	-	10.0%	0.7%	0.0%	-	3.3%	0.6%	0.0%	-	3.3%	2.0%
Ethyl benzene	144,574	15,234	135,975	11,675	2.2%	0.5%	-	11.2%	0.3%	0.0%	-	1.6%	0.1%	0.0%	-	0.8%	2.4%
Methylene chloride (Dichloromethane)	141,887	14,522	132,871	10,939	11.1%	0.0%	-	57.8%	3.3%	0.0%	-	11.9%	2.3%	0.0%	-	11.9%	11.8%
o-Dichlorobenzene	89,560	9,984	80,738	6,412	1.2%	0.0%	-	2.4%	0.6%	0.0%	-	1.8%	0.5%	0.0%	-	1.6%	1.3%
p-Dichlorobenzene	87,755	9,880	78,896	6,305	2.0%	0.0%	-	4.0%	0.9%	0.0%	-	3.2%	0.8%	0.0%	-	3.2%	2.3%
Styrene	132,016	11,559	123,413	7,999	2.1%	0.0%	-	8.1%	0.2%	0.0%	-	0.9%	0.2%	0.0%	-	0.9%	2.2%
Tetrachloroethylene	160,224	15,298	151,307	11,728	4.3%	0.6%	-	14.2%	2.3%	0.1%	-	7.6%	1.8%	0.0%	-	5.7%	4.4%
Toluene	144,547	15,252	135,861	11,679	3.8%	0.0%	-	14.4%	0.7%	0.0%	-	3.8%	0.4%	0.0%	-	2.3%	4.2%
trans-1,2-Dichloroethylene	138,582	14,837	129,775	11,268	0.7%	0.0%	-	2.7%	0.2%	0.0%	-	1.0%	0.2%	0.0%	-	1.0%	0.8%
Trichloroethene (Trichloroethylene)	164,806	15,951	155,842	12,380	3.1%	0.6%	-	12.8%	1.8%	0.0%	-	6.2%	1.5%	0.0%	-	5.5%	3.2%
Vinyl chloride	146,580	15,938	137,766	12,369	0.5%	0.0%	-	3.0%	0.2%	0.0%	-	0.6%	0.2%	0.0%	-	0.6%	0.6%
Xylenes (Total)	142,642	15,165	134,041	11,605	3.9%	0.4%	-	15.3%	0.2%	0.0%	-	1.0%	0.1%	0.0%	-	0.8%	4.4%
o-Xylene	65,022	7,268	61,668	5,251	1.9%	0.0%	-	65.2%	N/A								2.1%
M-Xylene	42,329	3,696	42,085	3,635	1.5%	0.0%	-	74.2%	N/A								1.5%
P-Xylene	40,603	3,467	40,371	3,414	1.1%	0.0%	-	65.2%	N/A								1.1%

N/A = There is no MCL/*HAL* for this contaminant.

* % > MCL indicates the proportion of systems with any analytical results exceeding the concentration value of the MCL; it does not necessarily indicate an MCL violation. An MCL violation occurs when the MCL is exceeded by the average results from four quarterly samples or confirmation samples as required by the primacy State.

Table A-3.a. Summary of Occurrence of Other Regulated Contaminants in Surface Water Systems from a National Cross Section of States. Range of Values from all States.

Chemical Name	Surface Water Systems															
	All States # of Analyses	All States # of Systems	X Section # of Analyses	X Section # of Systems	% > MRL	Range > MRL			% > 0.5 MCL	Range > 0.5 MCL			% > MCL*	Range > MCL*		
Inorganic Compounds																
Nitrate/Nitrite																
Nitrate (as N)	4,147	478	3,858	411	86.9%	81.4%	-	98.6%	1.9%	0.0%	-	9.1%	0.0%	0.0%	-	0.0%
Nitrate + Nitrite (as N)	2,230	319	2,230	319	74.0%	44.1%	-	100.0%	1.3%	0.0%	-	6.1%	0.0%	0.0%	-	0.0%
Nitrite (as N)	3,056	497	3,056	497	14.3%	3.6%	-	45.5%	0.2%	0.0%	-	0.6%	0.2%	0.0%	-	0.6%
Lead and Copper																
Copper (action level; not MCL)	3,053	342	2,865	289	22.5%	0.0%	-	100.0%	1.4%	0.0%	-	6.3%	0.7%	0.0%	-	3.1%
Lead (action level; not MCL)	3,207	489	3,019	436	18.3%	0.0%	-	100.0%	4.6%	0.0%	-	100.0%	1.1%	0.0%	-	11.8%
Volatile Organic Compounds																
Trihalomethanes																
Bromodichloromethane	17,340	704	16,936	571	84.8%	66.0%	-	100.0%	N/A							
Bromoform	15,884	673	15,540	565	27.1%	3.8%	-	81.8%	N/A							
Chlorodibromomethane	13,955	538	13,567	415	73.5%	38.7%	-	100.0%	17.8%	0.0%	-	100.0%	17.1%	0.0%	-	100.0%
Chloroform	17,558	709	17,146	574	91.1%	75.0%	-	100.0%	N/A							
Total THMs	7,227	362	7,125	314	83.8%	0.0%	-	100.0%	37.9%	0.0%	-	100.0%	17.5%	0.0%	-	100.0%

N/A = There is no MCL/*HAL* for this contaminant.

* % > MCL indicates the proportion of systems with any analytical results exceeding the concentration value of the MCL; it does not necessarily indicate an MCL violation. An MCL violation occurs when the MCL is exceeded by the average results from four quarterly samples or confirmation samples as required by the primacy State.

Table A-3.b. Summary of Occurrence of Other Regulated Contaminants in Ground Water Systems from a National Cross Section of States. Range of Values from all States.

Chemical Name	Ground Water Systems																SW + GW
	All States # of Analyses	All States # of Systems	X Section # of Analyses	X Section # of Systems	% > MRL	Range > MRL			% > 0.5 MCL	Range > 0.5 MCL			% > MCL*	Range > MCL*			X Section % > MRL
Inorganic Compounds																	
Nitrate/Nitrite																	
Nitrate (as N)	45,638	8,988	45,303	8,934	85.9%	0.0%	-	91.4%	11.4%	0.0%	-	16.3%	2.3%	0.0%	-	3.9%	85.9%
Nitrate + Nitrite (as N)	25,944	6,799	25,944	6,799	85.4%	50.0%	-	93.4%	11.2%	3.9%	-	50.0%	2.3%	0.3%	-	50.0%	84.9%
Nitrite (as N)	31,518	9,268	31,518	9,268	16.1%	0.0%	-	27.4%	0.5%	0.0%	-	1.0%	0.2%	0.0%	-	0.4%	16.0%
Lead and Copper																	
Copper (action level; not MCL)	30,219	3,213	30,003	3,183	35.2%	16.8%	-	92.9%	3.3%	0.0%	-	14.3%	1.6%	0.0%	-	8.3%	34.1%
Lead (action level; not MCL)	27,578	3,690	27,364	3,661	15.4%	0.0%	-	73.3%	4.8%	0.0%	-	40.0%	3.1%	0.0%	-	26.7%	15.7%
Volatile Organic Compounds																	
Trihalomethanes																	
Bromodichloromethane	143,503	12,635	137,643	9,860	17.7%	1.9%	-	66.7%	N/A								21.4%
Bromoform	142,989	12,576	137,261	9,862	10.7%	0.3%	-	26.7%	N/A								11.6%
Chlorodibromomethane	86,903	7,332	81,080	4,576	28.0%	1.1%	-	73.3%	9.9%	0.0%	-	18.9%	9.8%	0.0%	-	18.9%	31.8%
Chloroform	146,019	12,684	140,102	9,872	26.4%	6.0%	-	70.6%	N/A								30.0%
Total THMs	55,904	4,070	55,702	4,040	16.5%	10.7%	-	94.2%	4.2%	0.0%	-	94.2%	3.2%	0.0%	-	94.2%	21.3%

N/A = There is no MCL/*HAL* for this contaminant.

* % > MCL indicates the proportion of systems with any analytical results exceeding the concentration value of the MCL; it does not necessarily indicate an MCL violation. An MCL violation occurs when the MCL is exceeded by the average results from four quarterly samples or confirmation samples as required by the primacy State.

Table A-4.a. Summary of Occurrence of Required Unregulated Contaminants [1986-1999] in Surface Water Systems from a National Cross Section of States. Range of Values from all States.

Chemical Name	Surface Water Systems															
	All States # of Analyses	All States # of Systems	X Section # of Analyses	X Section # of Systems	% > MRL	Range > MRL			% > 0.5 MCL	Range > 0.5 MCL			% > MCL*	Range > MCL*		
Synthetic Organic Compounds																
3-Hydroxycarbofuran	3,851	566	3,276	453	0.4%	0.0%	-	5.7%	N/A							
Aldicarb	4,248	604	3,502	488	0.2%	0.0%	-	1.4%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Aldicarb sulfone	4,028	597	3,454	484	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Aldicarb sulfoxide	4,029	597	3,455	484	0.6%	0.0%	-	2.9%	0.2%	0.0%	-	0.7%	0.2%	0.0%	-	0.7%
Aldrin	5,996	525	5,619	470	2.6%	0.0%	-	14.7%	N/A							
Butachlor	5,975	514	5,455	414	0.7%	0.0%	-	4.3%	N/A							
Carbaryl (Sevin)	3,855	568	3,282	455	0.2%	0.0%	-	2.8%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Dicamba (Banvel)	4,637	578	4,083	466	7.7%	0.0%	-	28.4%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Dieldrin	6,074	544	5,591	444	1.4%	0.0%	-	5.9%	N/A							
Methomyl	2,073	471	1,498	358	0.0%	0.0%	-	2.1%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Metolachlor (Dual)	5,989	559	5,428	459	15.9%	0.0%	-	65.1%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Metribuzin (Sencor)	5,930	556	5,406	456	2.4%	0.0%	-	9.2%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Propachlor	5,952	534	5,438	434	3.7%	0.0%	-	14.7%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Volatile Organic Compounds																
(m-) 1,3-Dichlorobenzene	10,667	715	10,328	610	0.8%	0.0%	-	2.9%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
1,1,1,2-Tetrachloroethane	10,596	716	10,254	609	1.0%	0.0%	-	6.1%	0.2%	0.0%	-	3.0%	0.2%	0.0%	-	3.0%
1,1,2,2-Tetrachloroethane	10,688	718	10,346	611	1.1%	0.0%	-	4.3%	N/A							
1,1-Dichloroethane	10,702	717	10,361	611	0.5%	0.0%	-	3.0%	N/A							
1,1-Dichloropropene	9,580	579	9,236	473	0.6%	0.0%	-	4.3%	N/A							
1,2,3-Trichloropropane	10,626	713	10,285	608	0.8%	0.0%	-	9.1%	0.5%	0.0%	-	9.1%	0.5%	0.0%	-	9.1%
1,3-Dichloropropane	10,606	713	10,263	608	0.3%	0.0%	-	2.9%	N/A							
2,2-Dichloropropane	10,597	714	10,255	608	0.0%	0.0%	-	0.0%	N/A							
Bromobenzene	10,600	715	10,258	608	0.8%	0.0%	-	4.3%	N/A							
Bromomethane	4,994	602	4,651	495	1.0%	0.0%	-	3.0%	0.4%	0.0%	-	3.0%	0.4%	0.0%	-	3.0%
Chloroethane	10,659	719	10,315	611	2.1%	0.0%	-	11.3%	N/A							
Chloromethane	10,666	719	10,321	611	6.4%	0.0%	-	28.6%	2.8%	0.0%	-	15.2%	2.1%	0.0%	-	15.2%
Dibromomethane	4,617	532	4,501	477	1.9%	0.0%	-	100.0%	N/A							
o-Chlorotoluene	4,241	476	3,901	371	0.5%	0.0%	-	1.9%	0.3%	0.0%	-	1.9%	0.3%	0.0%	-	1.9%
p-Chlorotoluene	3,432	403	3,093	298	0.7%	0.0%	-	1.9%	0.3%	0.0%	-	1.9%	0.3%	0.0%	-	1.9%
Total 1,3-Dichloropropene	3,171	399	2,827	293	1.4%	0.0%	-	2.7%	N/A							
VOCs - Discretionary																
1,2,3-Trichlorobenzene	4,989	517	4,887	469	2.8%	0.0%	-	12.9%	N/A							
1,2,4-Trimethylbenzene	4,986	521	4,881	470	1.7%	0.0%	-	100.0%	N/A							
1,3,5-Trimethylbenzene	4,992	520	4,888	470	1.5%	0.0%	-	100.0%	N/A							
Bromochloromethane	3,983	399	3,880	350	1.7%	0.0%	-	100.0%	0.9%	0.0%	-	2.9%	0.6%	0.0%	-	1.4%
Dichlorodifluoromethane	5,019	520	4,917	472	2.5%	0.0%	-	10.0%	0.2%	0.0%	-	1.9%	0.0%	0.0%	-	0.0%
Hexachlorobutadiene	5,070	520	4,968	472	0.4%	0.0%	-	2.9%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Isopropylbenzene	4,995	518	4,893	470	0.9%	0.0%	-	3.0%	N/A							

Table A-4.a. Summary of Occurrence of Required Unregulated Contaminants [1986-1999] in Surface Water Systems from a National Cross Section of States. Range of Values from all States (Continued).

Chemical Name	Surface Water Systems															
	All States # of Analyses	All States # of Systems	X Section # of Analyses	X Section # of Systems	% > MRL	Range > MRL			% > 0.5 MCL	Range > 0.5 MCL			% > MCL*	Range > MCL*		
Naphthalene	4,901	515	4,794	467	3.6%	0.0%	-	17.1%	0.4%	0.0%	-	3.0%	0.2%	0.0%	-	3.0%
n-Butylbenzene	4,980	517	4,878	469	1.1%	0.0%	-	4.3%	N/A							
n-Propylbenzene	3,946	377	3,844	329	0.0%	0.0%	-	0.0%	N/A							
p-Isopropyltoluene	4,976	517	4,874	469	0.4%	0.0%	-	2.9%	N/A							
sec-Butylbenzene	4,993	518	4,891	470	0.2%	0.0%	-	0.7%	N/A							
tert-Butylbenzene	4,990	517	4,888	469	0.2%	0.0%	-	1.4%	N/A							
Trichlorofluoromethane	5,073	522	4,971	474	3.2%	0.0%	-	12.9%	N/A							
Other Related VOCs																
cis-1,3-Dichloropropene	7,414	391	7,312	343	0.3%	0.0%	-	3.1%	N/A							
trans-1,3-Dichloropropene	6,177	267	6,075	219	0.0%	0.0%	-	0.0%	N/A							

N/A = There is no MCL/*HAL* for this contaminant.

* % > MCL indicates the proportion of systems with any analytical results exceeding the concentration value of the MCL; it does not necessarily indicate an MCL violation. An MCL violation occurs when the MCL is exceeded by the average results from four quarterly samples or confirmation samples as required by the primacy State.

Table A-4.b. Summary of Occurrence of Required Unregulated Contaminants [1986-1999] in Ground Water Systems from a National Cross Section of States. Range of Values from all States.

Chemical Name	Ground Water Systems															SW + GW
	All States # of Analyses	All States # of Systems	X Section # of Analyses	X Section # of Systems	% > MRL	Range > MRL			% > 0.5 MCL	Range > 0.5 MCL			% > MCL*	Range > MCL*			X Section % > MRL
Synthetic Organic Compounds																	
3-Hydroxycarbofuran	22,252	5,567	19,446	3,561	0.2%	0.0%	-	0.9%	N/A								0.2%
Aldicarb	26,339	6,679	23,332	4,669	0.2%	0.0%	-	0.5%	0.1%	0.0%	-	0.3%	0.0%	0.0%	-	0.2%	0.2%
Aldicarb sulfone	24,116	6,179	21,306	4,171	0.1%	0.0%	-	0.7%	0.0%	0.0%	-	0.2%	0.0%	0.0%	-	0.2%	0.1%
Aldicarb sulfoxide	24,101	6,178	21,293	4,171	0.1%	0.0%	-	0.9%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.2%
Aldrin	25,651	6,133	23,121	4,136	0.5%	0.0%	-	5.0%	N/A								0.7%
Butachlor	24,084	5,403	21,370	3,377	0.2%	0.0%	-	1.0%	N/A								0.2%
Carbaryl (Sevin)	25,588	6,341	22,776	4,334	0.1%	0.0%	-	0.4%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.1%
Dicamba (Banvel)	20,414	4,100	19,402	3,733	0.4%	0.0%	-	1.8%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	1.2%
Dieldrin	25,394	5,937	22,715	3,927	0.2%	0.0%	-	10.3%	N/A								0.3%
Methomyl	14,746	5,324	11,938	3,317	0.2%	0.0%	-	0.5%	0.0%	0.0%	-	0.3%	0.0%	0.0%	-	0.3%	0.2%
Metolachlor (Dual)	24,083	5,764	21,355	3,735	0.5%	0.0%	-	1.2%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	2.1%
Metribuzin (Sencor)	23,372	5,716	20,645	3,687	0.1%	0.0%	-	0.4%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.3%
Propachlor	23,766	5,557	21,065	3,538	0.1%	0.0%	-	0.6%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.5%
Volatile Organic Compounds																	
(m-) 1,3-Dichlorobenzene	137,917	13,612	132,224	10,921	0.3%	0.0%	-	1.3%	0.1%	0.0%	-	0.8%	0.1%	0.0%	-	0.4%	0.3%
1,1,1,2-Tetrachloroethane	124,422	9,878	118,736	7,189	0.3%	0.0%	-	0.7%	0.1%	0.0%	-	0.5%	0.1%	0.0%	-	0.5%	0.3%
1,1,2,2-Tetrachloroethane	136,988	13,585	131,302	10,897	0.3%	0.0%	-	1.6%	N/A								0.4%
1,1-Dichloroethane	137,810	13,610	132,111	10,913	1.3%	0.4%	-	8.1%	N/A								1.3%
1,1-Dichloropropene	81,803	8,316	76,120	5,628	0.3%	0.0%	-	0.7%	N/A								0.3%
1,2,3-Trichloropropane	124,388	10,161	118,704	7,471	0.4%	0.0%	-	0.9%	0.2%	0.0%	-	0.7%	0.2%	0.0%	-	0.7%	0.4%
1,3-Dichloropropane	123,819	9,871	118,135	7,183	0.3%	0.0%	-	0.8%	N/A								0.3%
2,2-Dichloropropane	123,614	9,816	117,930	7,126	0.3%	0.0%	-	0.6%	N/A								0.2%
Bromobenzene	124,303	9,869	118,616	7,180	0.3%	0.0%	-	0.9%	N/A								0.3%
Bromomethane	82,233	11,076	76,548	8,386	0.4%	0.0%	-	2.2%	0.2%	0.0%	-	0.8%	0.2%	0.0%	-	0.8%	0.5%
Chloroethane	136,274	13,596	130,588	10,906	0.4%	0.0%	-	1.6%	N/A								0.5%
Chloromethane	136,163	13,601	130,475	10,906	1.2%	0.0%	-	9.7%	0.6%	0.0%	-	1.6%	0.5%	0.0%	-	1.6%	1.5%
Dibromomethane	71,037	8,358	67,076	5,877	0.7%	0.0%	-	100.0%	N/A								0.8%
o-Chlorotoluene	26,354	4,242	23,781	3,514	0.4%	0.0%	-	0.9%	0.2%	0.0%	-	0.5%	0.1%	0.0%	-	0.3%	0.4%
p-Chlorotoluene	24,772	4,031	22,199	3,305	0.2%	0.0%	-	0.4%	0.2%	0.0%	-	0.4%	0.1%	0.0%	-	0.2%	0.3%
Total 1,3-Dichloropropene	10,822	2,020	8,259	1,297	0.2%	0.0%	-	0.2%	N/A								0.4%
VOCs - Discretionary																	
1,2,3-Trichlorobenzene	70,059	7,674	66,737	5,680	0.7%	0.0%	-	4.9%	N/A								0.8%
1,2,4-Trimethylbenzene	70,058	7,677	66,736	5,683	0.9%	0.0%	-	3.6%	N/A								1.0%
1,3,5-Trimethylbenzene	69,469	7,677	66,146	5,682	0.5%	0.0%	-	100.0%	N/A								0.6%
Bromochloromethane	66,355	6,782	63,033	4,788	0.8%	0.0%	-	1.8%	0.5%	0.0%	-	1.3%	0.5%	0.0%	-	1.3%	0.9%
Dichlorodifluoromethane	83,161	11,418	79,836	9,421	0.8%	0.0%	-	100.0%	0.2%	0.0%	-	0.9%	0.1%	0.0%	-	0.7%	0.9%
Hexachlorobutadiene	72,381	7,913	69,009	5,914	0.4%	0.0%	-	1.3%	0.2%	0.0%	-	0.7%	0.2%	0.0%	-	0.7%	0.4%
Isopropylbenzene	71,070	7,678	67,748	5,684	0.4%	0.0%	-	0.8%	N/A								0.4%
Naphthalene	71,323	7,857	67,988	5,862	1.7%	0.0%	-	100.0%	0.7%	0.0%	-	2.1%	0.7%	0.0%	-	2.1%	1.8%
n-Butylbenzene	70,058	7,678	66,736	5,684	0.3%	0.0%	-	0.7%	N/A								0.4%
n-Propylbenzene	28,781	6,127	25,459	4,133	0.3%	0.0%	-	0.6%	N/A								0.3%
p-Isopropyltoluene	69,959	7,674	66,637	5,680	0.3%	0.0%	-	0.7%	N/A								0.3%
sec-Butylbenzene	71,051	7,680	67,729	5,686	0.2%	0.0%	-	0.6%	N/A								0.2%

Table A-4.b. Summary of Occurrence of Required Unregulated Contaminants [1986-1999] in Ground Water Systems from a National Cross Section of States. Range of Values from all States (Continued).

Chemical Name	Ground Water Systems															SW + GW
	All States # of Analyses	All States # of Systems	X Section # of Analyses	X Section # of Systems	% > MRL	Range > MRL			% > 0.5 MCL	Range > 0.5 MCL			% > MCL*	Range > MCL*			X Section % > MRL
tert-Butylbenzene	71,035	7,679	67,713	5,685	0.3%	0.0%	-	0.6%	N/A								0.3%
Trichlorofluoromethane	84,019	11,446	80,695	9,450	1.4%	0.0%	-	100.0%	N/A								1.5%
Other Related VOCs																	
cis-1,3-Dichloropropene	118,121	9,898	114,799	7,904	0.2%	0.0%	-	0.6%	N/A								0.2%
trans-1,3-Dichloropropene	76,341	9,160	73,019	7,166	0.1%	0.0%	-	0.4%	N/A								0.1%

N/A = There is no MCL/*HAL* for this contaminant.

* % > MCL indicates the proportion of systems with any analytical results exceeding the concentration value of the MCL; it does not necessarily indicate an MCL violation. An MCL violation occurs when the MCL is exceeded by the average results from four quarterly samples or confirmation samples as required by the primacy State.

Table A-5.a. Summary of Occurrence of Contaminants on Contaminant Candidate List and New Proposed UCMR in Surface Water Systems from a National Cross Section of States. Range of Values from all States.*

Chemical Name	Surface Water Systems															
	All States # of Analyses	All States # of Systems	X Section # of Analyses	X Section # of Systems	% > MRL	Range > MRL			% > 0.5 MCL	Range > 0.5 MCL			% > MCL*	Range > MCL*		
Inorganic Compounds																
Aluminum	3,307	378	3,119	325	68.6%	0.0%	-	100.0%	N/A							
Sodium	5,155	661	4,626	556	100.0%	98.1%	-	100.0%	N/A							
Sulfate	5,432	713	4,936	592	93.9%	89.3%	-	100.0%	3.9%	0.0%	-	13.2%	1.0%	0.0%	-	7.5%
Synthetic Organic Compounds																
Aldrin	5,996	525	5,619	470	2.6%	0.0%	-	14.7%	N/A							
Chlorthal-dimethyl (DCPA)	4,028	99	4,028	99	0.0%	0.0%	-	0.0%	N/A	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Cyanazine (Bladex)	4,313	224	4,094	162	37.7%	0.0%	-	57.3%	37.7%	0.0%	-	57.3%	27.2%	0.0%	-	40.8%
Dieldrin	6,074	544	5,591	444	1.4%	0.0%	-	5.9%	N/A							
Prometon	267	69	262	65	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Terbacil	163	57	163	57	0.0%	3.5%	-	3.5%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Triazine	225	61	220	57	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Volatile Organic Compounds																
1,1,2,2-Tetrachloroethane	10,688	718	10,346	611	1.1%	0.0%	-	4.3%	N/A							
1,1-Dichloroethane	10,702	717	10,361	611	0.5%	0.0%	-	3.0%	N/A							
1,1-Dichloropropene	9,580	579	9,236	473	0.6%	0.0%	-	4.3%	N/A							
1,2,4-Trimethylbenzene	4,986	521	4,881	470	1.7%	0.0%	-	100.0%	N/A							
1,3-Dichloropropane	10,606	713	10,263	608	0.3%	0.0%	-	2.9%	N/A							
2,2-Dichloropropane	10,597	714	10,255	608	0.0%	0.0%	-	0.0%	N/A							
Bromobenzene	10,600	715	10,258	608	0.8%	0.0%	-	4.3%	N/A							
Bromomethane	4,994	602	4,651	495	1.0%	0.0%	-	3.0%	0.4%	0.0%	-	3.0%	0.4%	0.0%	-	3.0%
Hexachlorobutadiene	5,070	520	4,968	472	0.4%	0.0%	-	2.9%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Methyl tert butyl ether	687	169	585	121	8.3%	0.0%	-	33.3%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Naphthalene	4,901	515	4,794	467	3.6%	0.0%	-	17.1%	0.4%	0.0%	-	3.0%	0.2%	0.0%	-	3.0%
Total 1,3-Dichloropropene	3,171	399	2,827	293	1.4%	0.0%	-	2.7%	N/A							

N/A = There is no MCL/*HAL* for this contaminant.

* % > MCL indicates the proportion of systems with any analytical results exceeding the concentration value of the MCL; it does not necessarily indicate an MCL violation. An MCL violation occurs when the MCL is exceeded by the average results from four quarterly samples or confirmation samples as required by the primacy State.

Table A-5.b. Summary of Occurrence of Contaminants on Contaminant Candidate List and New Proposed UCMR in Ground Water Systems from a National Cross Section of States. Range of Values from all States.*

Chemical Name	Ground Water Systems															SW + GW
	All States # of Analyses	All States # of Systems	X Section # of Analyses	X Section # of Systems	% > MRL	Range > MRL			% > 0.5 MCL	Range > 0.5 MCL			% > MCL*	Range > MCL*			X Section % > MRL
Inorganic Compounds																	
Aluminum	22,656	3,532	22,440	3,502	41.1%	0.0%	-	56.9%	N/A								43.5%
Sodium	37,141	6,338	34,387	5,114	99.6%	93.3%	-	100.0%	N/A								99.6%
Sulfate	41,500	6,520	39,277	5,381	89.9%	80.5%	-	100.0%	6.4%	0.0%	-	12.5%	2.2%	0.0%	-	6.2%	90.3%
Synthetic Organic Compounds																	
Aldrin	25,651	6,133	23,121	4,136	0.5%	0.0%	-	5.0%	N/A								0.7%
Chlorthal-dimethyl (DCPA)	12,174	2,015	12,174	2,015	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%
Cyanazine (Bladex)	14,780	3,963	12,660	2,272	0.3%	0.0%	-	2.8%	0.3%	0.0%	-	0.6%	0.1%	0.0%	-	0.2%	2.8%
Dieldrin	25,394	5,937	22,715	3,927	0.2%	0.0%	-	10.3%	N/A								0.3%
Prometon	4,086	2,928	2,239	1,271	0.0%	0.0%	-	0.1%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%
Terbacil	3,479	2,654	1,644	1,004	0.0%	0.0%	-	1.5%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%
Triazine	3,547	2,680	1,700	1,018	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	2.3%	0.0%
Volatile Organic Compounds																	
1,1,2,2-Tetrachloroethane	136,988	13,585	131,302	10,897	0.3%	0.0%	-	1.6%	N/A								0.4%
1,1-Dichloroethane	137,810	13,610	132,111	10,913	1.3%	0.4%	-	8.1%	N/A								1.3%
1,1-Dichloropropene	81,803	8,316	76,120	5,628	0.3%	0.0%	-	0.7%	N/A								0.3%
1,2,4-Trimethylbenzene	70,058	7,677	66,736	5,683	0.9%	0.0%	-	3.6%	N/A								1.0%
1,3-Dichloropropane	123,819	9,871	118,135	7,183	0.3%	0.0%	-	0.8%	N/A								0.3%
2,2-Dichloropropane	123,614	9,816	117,930	7,126	0.3%	0.0%	-	0.6%	N/A								0.2%
Bromobenzene	124,303	9,869	118,616	7,180	0.3%	0.0%	-	0.9%	N/A								0.3%
Bromomethane	82,233	11,076	76,548	8,386	0.4%	0.0%	-	2.2%	0.2%	0.0%	-	0.8%	0.2%	0.0%	-	0.8%	0.5%
Hexachlorobutadiene	72,381	7,913	69,009	5,914	0.4%	0.0%	-	1.3%	0.2%	0.0%	-	0.7%	0.2%	0.0%	-	0.7%	0.4%
Methyl tert butyl ether	12,285	3,983	9,444	2,152	5.4%	0.0%	-	100.0%	0.0%	0.0%	-	0.8%	0.0%	0.0%	-	0.8%	5.6%
Naphthalene	71,323	7,857	67,988	5,862	1.7%	0.0%	-	100.0%	0.7%	0.0%	-	2.1%	0.7%	0.0%	-	2.1%	1.8%
Total 1,3-Dichloropropene	10,822	2,020	8,259	1,297	0.2%	0.0%	-	0.2%	N/A								0.4%

N/A = There is no MCL/*HAL* for this contaminant.

* % > MCL indicates the proportion of systems with any analytical results exceeding the concentration value of the MCL; it does not necessarily indicate an MCL violation. An MCL violation occurs when the MCL is exceeded by the average results from four quarterly samples or confirmation samples as required by the primacy State.

Table A-6.a. Summary of Occurrence of Other Not Regulated Contaminants in Surface Water Systems from a National Cross Section of States. Range of Values from all States (not all States represented for every contaminant).

	Surface Water Systems															
Chemical Name	All States # of Analyses	All States # of Systems	X Section # of Analyses	X Section # of Systems	% > MRL	Range > MRL			% > 0.5 MCL	Range > 0.5 MCL			% > MCL*	Range > MCL*		
Inorganic Compounds																
Aluminum	3,307	378	3,119	325	68.6%	0.0%	-	100.0%	N/A							
Calcium	3,917	300	3,729	247	99.2%	92.9%	-	100.0%	N/A							
Chloride	3,180	347	2,909	280	93.2%	80.0%	-	100.0%	N/A							
Iron	3,105	405	2,917	352	38.1%	3.0%	-	93.8%	N/A							
Magnesium	2,692	280	2,504	227	97.4%	97.3%	-	100.0%	N/A							
Manganese	3,793	474	3,605	421	30.4%	11.8%	-	96.9%	N/A							
Orthophosphate	855	9	855	9	88.9%	0.0%	-	100.0%	N/A							
Silica	1,167	48	1,167	48	97.9%	50.0%	-	100.0%	N/A							
Silver	2,833	464	2,645	411	5.1%	0.0%	-	27.3%	0.2%	0.0%	-	0.5%	0.2%	0.0%	-	0.5%
Sodium	5,155	661	4,626	556	100.0%	98.1%	-	100.0%	N/A							
Sulfate	5,432	713	4,936	592	93.9%	89.3%	-	100.0%	3.9%	0.0%	-	13.2%	1.0%	0.0%	-	7.5%
Potassium	188	53	0	0	0.0%	54.7%	-	54.7%	N/A							
Strontium	188	53	0	0	0.0%	1.9%	-	1.9%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Tin	73	29	0	0	0.0%	0.0%	-	0.0%	N/A							
Zinc	3,517	401	3,329	348	46.3%	30.2%	-	87.5%	1.4%	0.0%	-	3.1%	0.3%	0.0%	-	0.5%
Other Data - VOCs and SOCs																
1,4-Dichlorobutane	321	58	321	58	0.0%	0.0%	-	0.0%	N/A							
1-Methylnaphthalene	0	0	0	0	0.0%	0.0%	-	0.0%	N/A							
2,4,5-T	159	58	159	58	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
2,4-dinitrotoluene	0	0	0	0	0.0%	0.0%	-	0.0%	N/A							
2,6-dinitrotoluene	0	0	0	0	0.0%	0.0%	-	0.0%	N/A							
2-chloronaphthalene	0	0	0	0	0.0%	0.0%	-	0.0%	N/A							
2-Methylnaphthalene	0	0	0	0	0.0%	0.0%	-	0.0%	N/A							
4,4'-DDD	163	57	163	57	0.0%	0.0%	-	0.0%	N/A							
4,4'-DDE	163	57	163	57	0.0%	0.0%	-	0.0%	N/A							
4,4'-ddt	335	110	163	57	0.0%	0.0%	-	0.0%	N/A							
Acenaphthene	24	7	24	7	0.0%	0.0%	-	0.0%	N/A							
Acenaphthylene	114	22	86	14	0.0%	0.0%	-	0.0%	N/A							
Acifluorfen	159	58	159	58	0.0%	0.0%	-	0.0%	N/A							
Alpha Endosulfan	163	57	163	57	0.0%	0.0%	-	0.0%	N/A							
Alpha-Chlordane	191	65	163	57	0.0%	0.0%	-	0.0%	N/A							
Ametryn	220	57	220	57	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Anthracene	114	22	86	14	0.0%	0.0%	-	0.0%	N/A							
Baygon	175	58	175	58	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Bentazone (Basagran)	159	58	159	58	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Benzo(a) anthracene (0.0001-PMCL)	116	23	88	15	0.0%	0.0%	-	0.0%	N/A							
Benzo(b) fluoranthene (0.0002-PMCL)	116	23	88	15	0.0%	0.0%	-	0.0%	N/A							
Benzo(g,h,i) perylene	94	21	66	13	0.0%	0.0%	-	0.0%	N/A							
Benzo(k) fluoranthene	131	23	103	15	0.0%	0.0%	-	0.0%	N/A							
Beta Endosulfan	163	57	163	57	0.0%	0.0%	-	0.0%	N/A							
Bromacil	483	114	478	110	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Butylate (Sutan)	224	59	224	59	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Butylbenzyl Phthalate	0	0	0	0	0.0%	0.0%	-	0.0%	N/A							

Table A-6.a. Summary of Occurrence of Other Not Regulated Contaminants in Surface Water Systems from a National Cross Section of States. Range of Values from all States (not all States represented for every contaminant) (Continued).

	Surface Water Systems															
Chemical Name	All States # of Analyses	All States # of Systems	X Section # of Analyses	X Section # of Systems	% > MRL	Range > MRL			% > 0.5 MCL	Range > 0.5 MCL			% > MCL*	Range > MCL*		
Carboxin	220	57	220	57	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Chlorothalonil	163	57	163	57	0.0%	0.0%	-	0.0%	N/A							
Chlorotoluene (Combined)	485	59	485	59	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Chlorthal-dimethyl (DCPA)	4,028	99	4,028	99	0.0%	0.0%	-	0.0%	N/A							
Chrysene	113	23	85	15	0.0%	0.0%	-	0.0%	N/A							
Cycloate	220	57	220	57	0.0%	0.0%	-	0.0%	N/A							
Cyprazine	220	57	220	57	0.0%	0.0%	-	0.0%	N/A							
Dibenzo(a,h) anthracene	116	23	88	15	0.0%	0.0%	-	0.0%	N/A							
Diethylphthalate	28	8	0	0	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Dimethoxyethyl Phthalate	0	0	0	0	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Dimethylphthalate	28	8	0	0	0.0%	0.0%	-	0.0%	N/A							
Di-n-butylphthalate	28	8	0	0	0.0%	0.0%	-	0.0%	N/A							
Di-n-octyl Phthalate	0	0	0	0	0.0%	0.0%	-	0.0%	N/A							
Diphenamid	220	57	220	57	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Endrin Aldehyde	163	57	163	57	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Eptam (EPTC)	220	57	220	57	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Fluoranthene	0	0	0	0	0.0%	0.0%	-	0.0%	N/A							
Fluorene	114	22	86	14	0.0%	0.0%	-	0.0%	N/A							
Formaldehyde	1	1	1	1	0.0%	0.0%	-	0.0%	N/A							
Gamma-Chlordane	163	57	163	57	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Hexachlorocyclohexane (Alpha-BHC)	163	57	163	57	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Hexachlorocyclohexane (Beta-BHC)	163	57	163	57	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Hexachlorocyclohexane (Delta-BHC)	163	57	163	57	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Hexachloroethane	485	59	485	59	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Hexazinone	220	57	220	57	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Ideno(1,2,3-cd)pyrene	88	15	88	15	0.0%	0.0%	-	0.0%	N/A							
Maximum TTHM Potential	0	0	0	0	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Meta-&Para-Xylenes	484	59	484	59	23.7%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Methiocarb	175	58	175	58	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Methyl Ethyl Ketone	504	67	485	59	0.0%	0.0%	-	0.0%	N/A							
Methyl Isobutyl Ketone	485	59	485	59	0.0%	0.0%	-	0.0%	N/A							
Nitrobenzene	0	0	0	0	0.0%	0.0%	-	0.0%	N/A							
Octachlorocyclopentene	163	57	163	57	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Phenanthrene	104	22	76	14	0.0%	0.0%	-	0.0%	N/A							
Polybrominated Biphenyls	163	57	163	57	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Pronamide	220	57	220	57	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Pyrene	114	22	86	14	0.0%	0.0%	-	0.0%	N/A							
Tebuthiuron	220	57	220	57	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Tetrahydrofuran	300	57	300	57	3.5%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%
Trifluralin (Treflan)	4,030	163	4,030	163	4.9%	0.0%	-	7.8%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%

N/A = There is no MCL/*HAL* for this contaminant.

* % > MCL indicates the proportion of systems with any analytical results exceeding the concentration value of the MCL; it does not necessarily indicate an MCL violation. An MCL violation occurs when the MCL is exceeded by the average results from four quarterly samples or confirmation samples as required by the primacy State.

Table A-6.b. Summary of Occurrence of Other Not Regulated Contaminants in Ground Water Systems from a National Cross Section of States. Range of Values from all States (not all States represented for every contaminant).

Chemical Name	Ground Water Systems															SW + GW
	All States # of Analyses	All States # of Systems	X Section # of Analyses	X Section # of Systems	% > MRL	Range > MRL			% > 0.5 MCL	Range > 0.5 MCL			% > MCL*	Range > MCL*			X Section % > MRL
Inorganic Compounds																	
Aluminum	22,656	3,532	22,440	3,502	41.1%	0.0%	-	56.9%	N/A								43.5%
Calcium	29,163	2,540	28,947	2,510	98.8%	88.9%	-	100.0%	N/A								98.8%
Chloride	32,224	3,239	31,899	3,185	97.0%	91.8%	-	100.0%	N/A								96.7%
Iron	35,595	3,711	35,379	3,681	56.8%	36.7%	-	71.7%	N/A								55.1%
Magnesium	26,780	2,290	26,564	2,260	98.4%	98.4%	-	100.0%	N/A								98.3%
Manganese	37,844	4,147	37,628	4,117	39.4%	29.9%	-	60.0%	N/A								38.6%
Orthophosphate	575	63	575	63	71.4%	71.4%	-	71.4%	N/A								73.6%
Silica	4,259	143	4,259	143	97.9%	96.6%	-	100.0%	N/A								97.9%
Silver	28,080	4,135	27,866	4,106	3.5%	0.3%	-	16.7%	0.3%	0.0%	-	0.6%	0.1%	0.0%	-	0.3%	3.7%
Sodium	37,141	6,338	34,387	5,114	99.6%	93.3%	-	100.0%	N/A								99.6%
Sulfate	41,500	6,520	39,277	5,381	89.9%	80.5%	-	100.0%	6.4%	0.0%	-	12.5%	2.2%	0.0%	-	6.2%	90.3%
Potassium	216	30	0	0	0.0%	100.0%	-	100.0%	N/A								0.0%
Strontium	216	30	0	0	0.0%	93.3%	-	93.3%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%
Tin	101	20	0	0	0.0%	0.0%	-	0.0%	N/A								0.0%
Zinc	30,518	3,587	30,302	3,557	52.7%	42.3%	-	76.7%	3.1%	0.0%	-	10.0%	1.2%	0.0%	-	2.0%	52.2%
Other Data - VOCs and SOCs																	
1,4-Dichlorobutane	5,168	2,827	2,445	1,001	0.0%	16.7%	-	16.7%	N/A								0.0%
1-Methylnaphthalene	8	6	0	0	0.0%	0.0%	-	0.0%	N/A								0.0%
2,4,5-T	3,427	2,627	1,630	997	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%
2,4-dinitrotoluene	8	6	0	0	0.0%	0.0%	-	0.0%	N/A								0.0%
2,6-dinitrotoluene	8	6	0	0	0.0%	0.0%	-	0.0%	N/A								0.0%
2-chloronaphthalene	8	6	0	0	0.0%	0.0%	-	0.0%	N/A								0.0%
2-Methylnaphthalene	8	6	0	0	0.0%	0.0%	-	0.0%	N/A								0.0%
4,4'-DDD	3,479	2,654	1,644	1,004	0.0%	0.0%	-	0.0%	N/A								0.0%
4,4'-DDE	3,479	2,654	1,644	1,004	0.0%	0.0%	-	0.0%	N/A								0.0%
4,4'-ddt	3,673	2,684	1,644	1,004	0.0%	0.0%	-	0.0%	N/A								0.0%
Acenaphthene	1,334	470	1,334	464	0.0%	0.0%	-	0.0%	N/A								0.0%
Acenaphthylene	1,864	487	1,837	474	0.0%	0.0%	-	0.0%	N/A								0.0%
Acifluorfen	3,427	2,627	1,630	997	0.0%	0.0%	-	0.0%	N/A								0.0%
Alpha Endosulfan	3,476	2,661	1,644	1,004	0.0%	0.0%	-	0.0%	N/A								0.0%
Alpha-Chlordane	3,481	2,642	1,644	1,004	0.0%	0.0%	-	0.0%	N/A								0.0%
Ametryn	3,544	2,673	1,700	1,018	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%
Anthracene	1,877	488	1,850	475	0.2%	0.0%	-	0.2%	N/A								0.2%
Baygon	3,462	2,639	1,680	1,016	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%
Bentazone (Basagran)	1,630	997	1,630	997	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%
Benzo(a) anthracene (0.0001-PMCL)	1,873	488	1,846	475	0.0%	0.0%	-	0.0%	N/A								0.0%
Benzo(b) fluoranthene (0.0002-PMCL)	1,870	488	1,843	475	0.0%	0.0%	-	0.0%	N/A								0.0%
Benzo(g,h,i) perylene	1,860	486	1,833	473	0.0%	0.0%	-	0.0%	N/A								0.0%
Benzo(k) fluoranthene	1,666	495	1,639	482	0.0%	0.0%	-	0.0%	N/A								0.0%
Beta Endosulfan	3,451	2,633	1,644	1,004	0.0%	0.0%	-	0.0%	N/A								0.0%
Bromacil	12,918	3,807	11,080	2,155	0.2%	0.0%	-	0.3%	0.0%	0.0%	-	0.1%	0.0%	0.0%	-	0.1%	0.2%
Butylate (Sutan)	3,673	2,680	1,829	1,025	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%
Butylbenzyl Phthalate	8	6	0	0	0.0%	0.0%	-	0.0%	N/A								0.0%

Table A-6.b. Summary of Occurrence of Other Not Regulated Contaminants in Ground Water Systems from a National Cross Section of States. Range of Values from all States (not all States represented for every contaminant) (Continued).

	Ground Water Systems																SW + GW
Chemical Name	All States # of Analyses	All States # of Systems	X Section # of Analyses	X Section # of Systems	% > MRL	Range > MRL			% > 0.5 MCL	Range > 0.5 MCL			% > MCL*	Range > MCL*			X Section % > MRL
Carboxin	3,544	2,673	1,700	1,018	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%
Chlorothalonil	3,479	2,654	1,644	1,004	0.0%	0.0%	-	0.0%	N/A								0.0%
Chlorotoluene (Combined)	6,107	3,022	2,987	1,058	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%
Chlorthal-dimethyl (DCPA)	12,174	2,015	12,174	2,015	0.0%	0.0%	-	0.0%	N/A								0.0%
Chrysene	1,813	483	1,786	470	0.0%	0.0%	-	0.0%	N/A								0.0%
Cycloate	3,544	2,673	1,700	1,018	0.0%	0.0%	-	0.0%	N/A								0.0%
Cyprazine	3,544	2,673	1,700	1,018	0.0%	0.0%	-	0.0%	N/A								0.0%
Dibenzo(a,h) anthracene	1,849	484	1,822	471	0.0%	0.0%	-	0.0%	N/A								0.0%
Diethylphthalate	27	13	0	0	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%
Dimethoxyethyl Phthalate	8	6	0	0	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%
Dimethylphthalate	27	13	0	0	0.0%	0.0%	-	0.0%	N/A								0.0%
Di-n-butylphthalate	27	13	0	0	0.0%	0.0%	-	0.0%	N/A								0.0%
Di-n-octyl Phthalate	8	6	0	0	0.0%	0.0%	-	0.0%	N/A								0.0%
Diphenamid	3,544	2,673	1,700	1,018	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%
Endrin Aldehyde	3,479	2,654	1,644	1,004	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%
Eptam (EPTC)	3,544	2,673	1,700	1,018	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%
Fluoranthene	8	6	0	0	0.0%	0.0%	-	0.0%	N/A								0.0%
Fluorene	1,866	485	1,839	472	0.0%	0.0%	-	0.0%	N/A								0.0%
Formaldehyde	9	7	9	7	0.0%	0.0%	-	0.0%	N/A								0.0%
Gamma-Chlordane	3,451	2,633	1,644	1,004	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%
Hexachlorocyclohexane (Alpha-BHC)	3,479	2,654	1,644	1,004	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%
Hexachlorocyclohexane (Beta-BHC)	3,479	2,654	1,644	1,004	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%
Hexachlorocyclohexane (Delta-BHC)	3,479	2,654	1,644	1,004	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%
Hexachloroethane	6,107	3,022	2,987	1,058	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%
Hexazinone	3,544	2,673	1,700	1,018	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%
Ideno(1,2,3-cd)pyrene	1,846	478	1,838	472	0.0%	0.0%	-	0.0%	N/A								0.0%
Maximum TTHM Potential	3,120	1,964	0	0	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%
Meta-&Para-Xylenes	6,020	2,994	2,979	1,057	1.8%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	3.0%
Methiocarb	3,462	2,639	1,680	1,016	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%
Methyl Ethyl Ketone	6,149	3,051	2,987	1,058	0.5%	0.0%	-	0.0%	N/A								0.4%
Methyl Isobutyl Ketone	6,107	3,022	2,987	1,058	0.0%	0.0%	-	0.0%	N/A								0.0%
Nitrobenzene	8	6	0	0	0.0%	0.0%	-	0.0%	N/A								0.0%
Octachlorocyclopentene	3,479	2,654	1,644	1,004	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%
Phenanthrene	1,869	486	1,842	473	0.0%	0.0%	-	16.7%	0.0%	0.0%	-	16.7%	0.0%	0.0%	-	16.7%	0.0%
Polybrominated Biphenyls	3,479	2,654	1,644	1,004	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%
Pronamide	3,544	2,673	1,700	1,018	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%
Pyrene	1,866	487	1,839	474	0.0%	0.0%	-	16.7%	N/A								0.0%
Tebuthiuron	3,544	2,673	1,700	1,018	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.0%
Tetrahydrofuran	4,999	2,785	2,369	993	1.5%	0.0%	-	2.3%	0.0%	0.0%	-	2.3%	0.0%	0.0%	-	0.0%	1.6%
Trifluralin (Treflan)	14,293	3,787	12,449	2,132	0.0%	0.0%	-	0.1%	0.0%	0.0%	-	0.0%	0.0%	0.0%	-	0.0%	0.4%

N/A = There is no MCL/*HAL* for this contaminant.

* % > MCL indicates the proportion of systems with any analytical results exceeding the concentration value of the MCL; it does not necessarily indicate an MCL violation. An MCL violation occurs when the MCL is exceeded by the average results from four quarterly samples or confirmation samples as required by the primacy State.

Table A-7.a. Summary of Contaminant Occurrence in Surface Water Systems from the Unregulated Contaminant Monitoring Information System (URCIS).

Contaminant	***Surface Water Systems***							
	No. of Analyses	**No. of Systems**	**>MRL**		**>0.5 MCL**		**>MCL***	
			N	**%**	**N**	**%**	**N**	**%**
Phase II/V Regulated Contaminants								
Synthetic Organic Compounds								
Dibromochloropropane (DBCP)	6,211	1,606	41	2.55%	18	1.12%	15	0.93%
Ethylene Dibromide (EDB)	5,517	1,395	35	2.51%	22	1.58%	19	1.36%
Volatile Organic Compounds								
1,1,1-Trichloroethane	7,603	1,393	78	5.60%	1	0.07%	0	0.00%
1,1,2-Trichloroethane	8,892	2,007	36	1.79%	6	0.30%	4	0.20%
1,1-Dichloroethene	7,743	1,539	36	2.34%	10	0.65%	4	0.26%
1,2,4-Trichlorobenzene	6,837	1,691	12	0.71%	0	0.00%	0	0.00%
1,2-Dichloroethane	7,541	1,372	25	1.82%	7	0.51%	7	0.51%
1,2-Dichloropropane	9,373	1,972	15	0.76%	0	0.00%	0	0.00%
Benzene	7,101	1,288	32	2.48%	11	0.85%	4	0.31%
Carbon tetrachloride	7,534	1,385	70	5.05%	11	0.79%	5	0.36%
Chlorobenzene	9,291	2,017	68	3.37%	0	0.00%	0	0.00%
cis-1,2-Dichloroethylene	8,852	1,989	36	1.81%	2	0.10%	0	0.00%
Ethyl benzene	9,168	2,056	88	4.28%	0	0.00%	0	0.00%
Methylene chloride (Dichloromethane)	9,034	2,008	238	11.85%	119	5.93%	67	3.34%
o-Dichlorobenzene	9,053	1,948	19	0.98%	0	0.00%	0	0.00%
p-Dichlorobenzene	7,429	1,498	48	3.20%	0	0.00%	0	0.00%
Styrene	8,928	1,985	28	1.41%	0	0.00%	0	0.00%
Tetrachloroethylene	9,500	1,816	56	3.08%	22	1.21%	16	0.88%
Toluene	9,165	2,065	169	8.18%	0	0.00%	0	0.00%
trans-1,2-Dichloroethylene	9,343	1,974	23	1.17%	0	0.00%	0	0.00%
Trichloroethene (Trichloroethylene)	7,851	1,394	93	6.67%	30	2.15%	18	1.29%
Vinyl chloride	6,438	1,363	17	1.25%	11	0.81%	8	0.59%
Xylenes (Total)	1,906	687	82	11.94%	0	0.00%	0	0.00%
o-Xylene	6,993	1,609	47	2.92%	N/A			
M-Xylene	6,578	1,404	31	2.21%	N/A			
P-Xylene	5,958	1,357	33	2.43%	N/A			
Required Unregulated Contaminants								
(m-) 1,3-Dichlorobenzene	9,153	1,971	15	0.76%	0	0.00%	0	0.00%
1,1,1,2-Tetrachloroethane	8,669	1,905	12	0.63%	0	0.00%	0	0.00%
1,2,3-Trichloropropane	8,698	1,910	5	0.26%	0	0.00%	0	0.00%
1,3-Dichloropropane	8,709	1,899	2	0.11%	N/A			
Chloroethane	9,160	2,035	26	1.28%	N/A			
Chloromethane	9,322	2,051	49	2.39%	32	1.56%	20	0.98%
Dibromomethane	8,635	1,872	34	1.82%	N/A			
o-Chlorotoluene	8,273	1,854	11	0.59%	0	0.00%	0	0.00%
p-Chlorotoluene	7,973	1,841	6	0.33%	0	0.00%	0	0.00%

Table A-7.a. Summary of Contaminant Occurrence in Surface Water Systems from the Unregulated Contaminant Monitoring Information System (URCIS) (Continued).

Contaminant	***Surface Water Systems***							
	No. of	**No. of**	**>MRL**		**>0.5 MCL**		**>MCL***	
	Analyses	**Systems**	**N**	**%**	**N**	**%**	**N**	**%**
Discretionary Compounds								
1,2,3-Trichlorobenzene	6,437	1,542	10	0.65%	N/A			
1,3,5-Trimethylbenzene	6,154	1,524	14	0.92%	N/A			
Bromochloromethane	6,637	1,538	18	1.17%	2	0.13%	1	0.07%
Dichlorodifluoromethane	6,938	1,744	29	1.66%	0	0.00%	0	0.00%
Isopropylbenzene	6,314	1,524	6	0.39%	N/A			
n-Butylbenzene	6,483	1,523	13	0.85%	N/A			
n-Propylbenzene	6,467	1,516	5	0.33%	N/A			
p-Isopropyltoluene	6,060	1,435	3	0.21%	N/A			
sec-Butylbenzene	6,216	1,489	3	0.20%	N/A			
tert-Butylbenzene	6,214	1,489	3	0.20%	N/A			
Trichlorofluoromethane	7,353	1,792	46	2.57%	N/A			
Other Not-Regulated Contaminants								
cis-1,3-Dichloropropene	3,038	953	14	1.47%	N/A			
Total 1,2-Dichloroethene								
trans-1,3-Dichloropropene	3,900	1,073	14	1.30%	N/A			
Other Regulated Contaminants								
Bromodichloromethane	11,419	2,611	2,113	80.93%	N/A			
Bromoform	10,179	2,146	474	22.09%	N/A			
Chlorodibromomethane	10,639	2,378	1,535	64.55%	63	2.65%	7	0.29%
Chloroform	11,987	2,736	2,341	85.56%	N/A			
Total THMs								
Contaminant Candidate List								
1,1,2,2-Tetrachloroethane	8,988	2,020	21	1.04%	N/A			
1,1-Dichloroethane	9,471	2,040	39	1.91%	N/A			
1,1-Dichloropropene	8,607	1,899	8	0.42%	N/A			
1,2,4-Trimethylbenzene	6,276	1,519	21	1.38%	N/A			
2,2-Dichloropropane	8,802	1,905	5	0.26%	N/A			
Bromobenzene	8,928	1,878	11	0.59%	N/A			
Bromomethane	9,298	2,039	27	1.32%	5	0.25%	4	0.20%
Hexachlorobutadiene	5,958	1,538	10	0.65%	7	0.46%	6	0.39%
Naphthalene	6,466	1,620	33	2.04%	2	0.12%	0	0.00%
Total 1,3-Dichloropropene	3,771	947	6	0.63%	N/A			

N/A = There is no MCL/*HAL* for this contaminant.

* % > MCL indicates the proportion of systems with any analytical results exceeding the concentration value of the MCL; it does not necessarily indicate an MCL violation. An MCL violation occurs when the MCL is exceeded by the average results from four quarterly samples or confirmation samples as required by the primacy State.

Table A-7.b. Summary of Contaminant Occurrence in Ground Water Systems from the Unregulated Contaminant Monitoring Information System (URCIS).

Contaminant	*Ground Water Systems*							
	No. of Analyses	No. of Systems	>MRL		>0.5 MCL		>MCL*	
			N	%	N	%	N	%
Phase II/V Regulated Contaminants								
Synthetic Organic Compounds								
Dibromochloropropane (DBCP)	44,492	11,730	299	2.55%	191	1.63%	161	1.37%
Ethylene Dibromide (EDB)	40,568	10,579	114	1.08%	94	0.89%	73	0.69%
Volatile Organic Compounds								
1,1,1-Trichloroethane	40,293	14,697	662	4.50%	13	0.09%	6	0.04%
1,1,2-Trichloroethane	55,913	18,625	59	0.32%	12	0.06%	5	0.03%
1,1-Dichloroethene	39,985	14,592	204	1.40%	66	0.45%	37	0.25%
1,2,4-Trichlorobenzene	39,915	12,349	57	0.46%	0	0.00%	0	0.00%
1,2-Dichloroethane	38,802	14,640	236	1.61%	65	0.44%	37	0.25%
1,2-Dichloropropane	56,122	18,286	125	0.68%	34	0.19%	16	0.09%
Benzene	38,718	14,403	267	1.85%	99	0.69%	63	0.44%
Carbon tetrachloride	39,453	14,622	235	1.61%	71	0.49%	40	0.27%
Chlorobenzene	57,052	18,714	56	0.30%	1	0.01%	1	0.01%
cis-1,2-Dichloroethylene	49,313	15,434	276	1.79%	17	0.11%	8	0.05%
Ethyl benzene	56,726	18,825	365	1.94%	2	0.01%	0	0.00%
Methylene chloride (Dichloromethane)	55,033	18,053	689	3.82%	220	1.22%	125	0.69%
o-Dichlorobenzene	56,725	18,673	42	0.22%	0	0.00%	0	0.00%
p-Dichlorobenzene	39,647	14,668	171	1.17%	2	0.01%	1	0.01%
Styrene	47,684	15,327	97	0.63%	1	0.01%	0	0.00%
Tetrachloroethylene	63,710	18,808	782	4.16%	353	1.88%	229	1.22%
Toluene	56,879	18,870	725	3.84%	5	0.03%	1	0.01%
trans-1,2-Dichloroethylene	56,299	18,653	130	0.70%	3	0.02%	1	0.01%
Trichloroethene (Trichloroethylene)	45,407	14,695	621	4.23%	270	1.84%	190	1.29%
Vinyl chloride	37,337	14,479	73	0.50%	38	0.26%	28	0.19%
Xylenes (Total)	26,985	8,913	279	3.13%	0	0.00%	0	0.00%
o-Xylene	38,692	13,076	301	2.30%	N/A			
M-Xylene	33,628	10,484	247	2.36%	N/A			
P-Xylene	27,364	9,219	155	1.68%	N/A			
Required Unregulated Contaminants								
(m-) 1,3-Dichlorobenzene	58,780	19,127	39	0.20%	0	0.00%	0	0.00%
1,1,1,2-Tetrachloroethane	49,387	15,702	22	0.14%	0	0.00%	0	0.00%
1,2,3-Trichloropropane	49,810	16,139	47	0.29%	2	0.01%	1	0.01%
1,3-Dichloropropane	49,269	15,702	21	0.13%	N/A			
Chloroethane	57,469	18,892	70	0.37%	N/A			
Chloromethane	58,214	18,964	285	1.50%	144	0.76%	93	0.49%
Dibromomethane	48,437	15,323	40	0.26%	N/A			
o-Chlorotoluene	44,052	14,516	27	0.19%	0	0.00%	0	0.00%
p-Chlorotoluene	42,912	14,416	26	0.18%	0	0.00%	0	0.00%

Table A-7.b. Summary of Contaminant Occurrence in Ground Water Systems from the Unregulated Contaminant Monitoring Information System (URCIS) (Continued).

Contaminant	*Ground Water Systems*							
	No. of Analyses	No. of Systems	>MRL		>0.5 MCL		>MCL*	
			N	%	N	%	N	%
Discretionary Compounds								
1,2,3-Trichlorobenzene	38,383	11,920	54	0.45%	N/A			
1,3,5-Trimethylbenzene	36,324	11,736	86	0.73%	N/A			
Bromochloromethane	38,250	11,925	55	0.46%	6	0.05%	3	0.03%
Dichlorodifluoromethane	45,692	14,994	223	1.49%	0	0.00%	0	0.00%
Isopropylbenzene	37,526	11,840	41	0.35%	N/A			
n-Butylbenzene	37,413	11,827	37	0.31%	N/A			
n-Propylbenzene	37,412	11,791	43	0.36%	N/A			
p-Isopropyltoluene	36,196	11,308	32	0.28%	N/A			
sec-Butylbenzene	36,436	11,428	29	0.25%	N/A			
tert-Butylbenzene	36,442	11,435	24	0.21%	N/A			
Trichlorofluoromethane	47,691	15,725	243	1.55%	N/A			
Other Not-Regulated Contaminants								
cis-1,3-Dichloropropene	22,845	8,707	45	0.52%	N/A			
Total 1,2-Dichloroethene								
trans-1,3-Dichloropropene	24,227	9,280	15	0.16%	N/A			
Other Regulated Contaminants								
Bromodichloromethane	49,848	18,443	2,931	15.89%	N/A			
Bromoform	49,719	18,262	1,484	8.13%	N/A			
Chlorodibromomethane	49,776	18,337	2,431	13.26%	26	0.14%	4	0.02%
Chloroform	52,083	18,771	4,483	23.88%	N/A			
Total THMs								
Contaminant Candidate List								
1,1,2,2-Tetrachloroethane	58,339	19,070	80	0.42%	N/A			
1,1-Dichloroethane	59,044	19,202	278	1.45%	N/A			
1,1-Dichloropropene					N/A			
1,2,4-Trimethylbenzene	37,206	11,820	110	0.93%	N/A			
2,2-Dichloropropane	48,534	15,497	25	0.16%	N/A			
Bromobenzene	48,930	15,225	29	0.19%	N/A			
Bromomethane	58,536	18,838	140	0.74%	26	0.14%	15	0.08%
Hexachlorobutadiene	37,286	11,334	36	0.32%	13	0.11%	6	0.05%
Naphthalene	38,837	12,336	146	1.18%	12	0.10%	4	0.03%
Total 1,3-Dichloropropene	26,235	8,404	14	0.17%	N/A			

N/A = There is no MCL/*HAL* for this contaminant.

* % > MCL indicates the proportion of systems with any analytical results exceeding the concentration value of the MCL; it does not necessarily indicate an MCL violation. An MCL violation occurs when the MCL is exceeded by the average results from four quarterly samples or confirmation samples as required by the primacy State.