Table FSP-6. Volatile organic compounds included in National Water Quality Laboratory's Method O-4127-96, schedule 1380, with minimum reporting levels, and U.S. Environmental Protection Agency Maximum Contaminant Levels or treatment techniques.

[CAS, Chemical Abstract Service; NWQL, National Water Quality Laboratory, Denver, Colorado; MRL, minimum reporting level; µg/L, micrograms per liter; USEPA, U.S. Environmental Protection Agency; MCL, Maximum Contaminant Level; TT, treatment technique; --, no MCL or TT available; MCLG, Maximum Contaminant Limit Goal]

Analyte	CAS number	NWQL MRL[1] (µg/L)	USEPA MCL or TT[2] (µg/L)
Acrylonitrile	107-13-1	2.5	--
Benzene	71-43-2	.1	5
1,2,3-Trichlorobenzene	87-61-6	.2	--
1,2,4-Trichlorobenzene	120-82-1	.2	70
Bromobenzene	108-86-1	.2	--
Chlorobenzene	108-90-7	.1	100
Ethylbenzene	100-41-4	.1	700
1,3-Dichlorobenzene (m-)	541-73-1	.1	--
Butylbenzene	104-51-8	.2	--
n-Propylbenzene	103-65-1	.2	--
1,2-Dichlorobenzene (o-)	95-50-1	.1	600
1,4-Dichlorobenzene (p-)	106-46-7	.1	75
sec-Butylbenzene	135-98-8	.2	--
tert-Butylbenzene	98-06-6	.2	--
Bromoform[3]	75-25-2	.2	--
Hexachlorobutadiene	87-68-3	.2	--
Tetrachloromethane	56-23-5	.2	5
Chloroform[3]	67-66-3	.1	--
Isopropylbenzene	98-82-8	.2	--
1,1,1,2-Tetrachloroethane	630-20-6	.2	--
1,1,1-Trichloroethane	71-55-6	.1	200
1,1,2-Trichlorotrifluoroethane	76-13-1	.1	--
1,2-Dibromoethane	106-93-4	.2	.05
1,2-Dichloroethane	107-06-2	.2	5
1,1,2,2-Tetrachloroethane	79-34-5	.2	--

Table FSP-6. Volatile organic compounds included in National Water Quality Laboratory's Method O-4127-96, schedule 1380, with minimum reporting levels, and U.S. Environmental Protection Agency Maximum Contaminant Levels or treatment techniques.—Continued

[CAS, Chemical Abstract Service; NWQL, National Water Quality Laboratory, Denver, Colorado; MRL, minimum reporting level; µg/L, micrograms per liter; USEPA, U.S. Environmental Protection Agency; MCL, Maximum Contaminant Level; TT, treatment technique; --, no MCL or TT available; MCLG, Maximum Contaminant Limit Goal]

Analyte	CAS number	NWQL MRL[1] (µg/L)	USEPA MCL or TT[2] (µg/L)
Chloroethane	75-00-3	0.2	--
cis-1,2-Dichloroethene	156-59-2	.1	70
Tetrachloroethylene	127-18-4	.1	5
trans-1,2-Dichloroethylene	156-60-5	.1	100
Trichloroethene (TCE)	79-01-6	.1	5
1,1-Dichloroethane	75-34-3	.1	--
1,3,5-Trimethylbenzene	108-67-8	.2	--
Bromochloromethane	74-97-5	.2	--
Bromodichloromethane[3]	75-27-4	.1	--
Dibromochloromethane[3]	124-48-1	.2	--
Dichlorodifluoromethane	75-71-8	.2	--
Trichlorofluoromethane	75-69-4	.2	--
Bromomethane	74-83-9	.3	--
Chloromethane	74-87-3	.2	--
tert-Butyl methyl ether	1634-04-4	.2	--
Dibromomethane	74-95-3	.2	--
Dichloromethane (methylene chloride)	75-09-2	.2	5
Naphthalene	91-20-3	.5	--
4-Isopropyl-1-methylbenzene	99-87-6	.2	--
1,2,3-Trichloropropane	96-18-4	.2	--
1,3-Dichloropropane	142-28-9	.2	--
2,2-Dichloropropane	594-20-7	.2	--
1,2-Dibromo-3-chloropropane	96-12-8	.5	.2
1,1-Dichloropropene	563-58-6	.2	--
cis-1,3-Dichloropropene	10061-01-5	.2	--

Table FSP-6. Volatile organic compounds included in National Water Quality Laboratory's Method O-4127-96, schedule 1380, with minimum reporting levels, and U.S. Environmental Protection Agency Maximum Contaminant Levels or treatment techniques.—Continued

[CAS, Chemical Abstract Service; NWQL, National Water Quality Laboratory, Denver, Colorado; MRL, minimum reporting level; µg/L, micrograms per liter; USEPA, U.S. Environmental Protection Agency; MCL, Maximum Contaminant Level; TT, treatment technique; --, no MCL or TT available; MCLG, Maximum Contaminant Limit Goal]

Analyte	CAS number	NWQL MRL[1] (µg/L)	USEPA MCL or TT[2] (µg/L)
trans-1,3-Dichloropropene	10061-02-6	0.2	--
1,2-Dichloropropane	78-87-5	.1	5
1,2,4-Trimethylbenzene	95-63-6	.2	--
Styrene	100-42-5	.1	100
Toluene	108-88-3	.1	1,000
2-Chlorotoluene	95-49-8	.2	--
4-Chlorotoluene	106-43-4	.2	--
Vinyl chloride	75-01-4	.2	2
1,1,2-Trichloroethane	79-00-5	.2	5
1,1-Dichloroethylene	75-35-4	.1	7
Xylene [total]	1330-20-7	.2	10,000

[1]Childress, C.J., Foreman, W.T., Connor, B.F., and Maloney, T.J., 1999, New reporting procedures based on long-term method detection levels and some considerations for interpretations of water-quality data provided by the U.S. Geological Survey National Water Quality Laboratory: U.S. Geological Survey Open-File Report 99-193, accessed August 23, 2005, on the Web at http://water.usgs.gov/owq/OFR_99-193/.

NWQL, 2004, Analytical procedures for volatile organic compounds by purge and trap gas chromatography/mass spectrometry—standard operation procedure OW0279, effective 10/05/2004: U.S Geological Survey National Water Quality Laboratory internal document, 43 p.

[2]USEPA, 2004, 2004 Edition of the Drinking Water Standards and Health Advisories: Office of Water, EPA/822/R-04/005, 12 p.

[3]A trihalomethane—although there is no collective MCLG for this contaminant group, there are individual MCLGs for some of the individual contaminants.