

500 Series Methods - US EPA Safe Drinking Water Act (SDWA)

US EPA Method No.	Compound Class	US EPA Method No.	Compound Class
501.1, 501.2, 501.3	Trihalomethanes	526	Semivolatile Organics
502.1, 502.2	Volatile Halogenated Organics	527	new! Pesticides & Flame Retardants (GC/MS)
504.1	Ethylene Dibromide/Dibromochloropropane	528	Phenols
505	Organohalide Pesticides & PCBs	529	Nitroaromatics & Nitramines
506	Phthalate & Adipate Esters	531.1, 531.2	Carbamates
507	Nitrogen & Phosphorus Pesticides	532	Phenylurea Pesticides
508, 508.1, 508A	Chlorinated Pesticides	547	Glyphosate
515, 515.4	Chlorinated Acid Herbicides	549.2	Paraquat/Diquat
521	Nitrosamines	551.1	Chlorinated Pesticides & Herbicides
524.1, 524.2	Volatile Organics	552, 552.1, 552.2, 552.3	Haloacetic Acids and Dalapon
525, 525.1, 525.2	Semivolatile Organics	555	Chlorinated Acids
		—	Drinking Water Odor Standard

Method 501.1, 501.2, 501.3 (Trihalomethanes)

501 Trihalomethane Mix

bromodichloromethane	chloroform
bromoform	dibromochloromethane
200µg/mL each in P&T methanol, 1mL/ampul	
cat. # 30036 (ea.)	
2,000µg/mL each in P&T methanol, 1mL/ampul	
cat. # 30211 (ea.)	

DW-VOC Mix #1 (8 components)

benzene	1,1-dichloroethene
carbon tetrachloride	1,1,1-trichloroethane
1,4-dichlorobenzene	trichloroethene
1,2-dichloroethane	vinyl chloride
200µg/mL each in P&T methanol, 1mL/ampul	
cat. # 30037 (ea.)	
2,000µg/mL each in P&T methanol, 1mL/ampul	
cat. # 30219 (ea.)	

DW-VOC Mix #2 (12 components)

chlorobenzene	styrene
1,2-dichlorobenzene	tetrachloroethene
<i>cis</i> -1,2-dichloroethene	toluene
<i>trans</i> -1,2-dichloroethene	<i>m</i> -xylene
1,2-dichloropropane	<i>o</i> -xylene
ethylbenzene	<i>p</i> -xylene
200µg/mL each in P&T methanol, 1mL/ampul	
cat. # 30038 (ea.)	
2,000µg/mL each in P&T methanol, 1mL/ampul	
cat. # 30220 (ea.)	

DW-VOC Mix #3

methylene chloride	1,1,2-trichloroethane
1,2,4-trichlorobenzene	
200µg/mL each in P&T methanol, 1mL/ampul	
cat. # 30209 (ea.)	
2,000µg/mL each in P&T methanol, 1mL/ampul	
cat. # 30235 (ea.)	

Method 502.1, 502.2 (Volatile Halogenated Organics)

Volatiles MegaMix® with Gases (60 components)

benzene	1,3-dichloropropane
bromobenzene	2,2-dichloropropane
bromochloromethane	1,1-dichloropropene
bromodichloromethane	<i>cis</i> -1,3-dichloropropene
bromoform	<i>trans</i> -1,3-dichloropropene
bromomethane	ethylbenzene
(methyl bromide)	hexachloro-1,3-butadiene
<i>n</i> -butylbenzene	(hexachlorobutadiene)
<i>sec</i> -butylbenzene	isopropylbenzene (cumene)
<i>tert</i> -butylbenzene	4-isopropyltoluene
carbon tetrachloride	(<i>p</i> -cymene)
chlorobenzene	methylene chloride
chloroethane (ethyl chloride)	(dichloromethane)
chloroform	naphthalene
chloromethane	<i>n</i> -propylbenzene
(methyl chloride)	styrene
2-chlorotoluene	1,1,1,2-tetrachloroethane
4-chlorotoluene	1,1,2,2-tetrachloroethane
dibromochloromethane	tetrachloroethene
1,2-dibromo-3-chloropropane	toluene
(DBCP)	1,2,3-trichlorobenzene
1,2-dibromoethane (EDB)	1,2,4-trichlorobenzene
dibromomethane	1,1,1-trichloroethane
1,2-dichlorobenzene	1,1,2-trichloroethane
1,3-dichlorobenzene	trichloroethene
1,4-dichlorobenzene	trichlorofluoromethane
dichlorodifluoromethane	(CFC-11)
(CFC-12)	1,2,3-trichloropropane
1,1-dichloroethane	1,2,4-trimethylbenzene
1,2-dichloroethane	1,3,5-trimethylbenzene
1,1-dichloroethene	vinyl chloride
<i>cis</i> -1,2-dichloroethene	<i>m</i> -xylene
<i>trans</i> -1,2-dichloroethene	<i>o</i> -xylene
1,2-dichloropropane	<i>p</i> -xylene
200µg/mL each in P&T methanol, 1mL/ampul	
cat. # 30603 (ea.)	

502.2 Internal Standard #1

1-chloro-2-fluorobenzene
2,000µg/mL in P&T methanol, 1mL/ampul
cat. # 30040 (ea.)

502.2 Internal Standard Mix #2

2-bromo-1-chloropropane	fluorobenzene
2,000µg/mL each in P&T methanol, 1mL/ampul	
cat. # 30041 (ea.)	

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