

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)
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505	Organohalide Pesticides & PCBs	529	Nitroaromatics & Nitramines
506	Phthalate & Adipate Esters	531.1, 531.2	Carbamates
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521	Nitrosamines	551.1	Chlorinated Pesticides & Herbicides
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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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Method 502.1, 502.2 (Volatile Halogenated Organics) *cont'd*

8021/502.2 Surrogate Mix #1

1-bromo-2-chloroethane fluorobenzene
1-chloro-3-fluorobenzene
2,000µg/mL each in P&T methanol, 1mL/ampul
cat. # 30463 (ea.)

8021/502.2 Surrogate Mix #2

1-bromo-2-chloroethane 1-chloro-3-fluorobenzene
4-bromochlorobenzene fluorobenzene
2,000µg/mL each in P&T methanol, 1mL/ampul
cat. # 30464 (ea.)

502.2 MegaMix® (54 components)

Includes all target analytes except the six gases, which are available separately as 502.2 Calibration Mix #1.

benzene	1,1-dichloropropene
bromobenzene	<i>cis</i> -1,3-dichloropropene
bromochloromethane	<i>trans</i> -1,3-dichloropropene
bromodichloromethane	ethylbenzene
bromoform	hexachloro-1,3-butadiene (hexachlorobutadiene)
<i>n</i> -butylbenzene	isopropylbenzene (cumene)
<i>sec</i> -butylbenzene	4-isopropyltoluene (<i>p</i> -cymene)
<i>tert</i> -butylbenzene	methylene chloride (dichloromethane)
carbon tetrachloride	naphthalene
chlorobenzene	<i>n</i> -propylbenzene
chloroform	styrene
2-chlorotoluene	1,1,1,2-tetrachloroethane
4-chlorotoluene	1,1,2,2-tetrachloroethane
dibromochloromethane	tetrachloroethene
1,2-dibromo-3-chloropropane (DBCP)	toluene
1,2-dibromoethane	1,2,3-trichlorobenzene
dibromomethane	1,2,4-trichlorobenzene
1,2-dichlorobenzene	1,1,1-trichloroethane
1,3-dichlorobenzene	1,1,2-trichloroethane
1,4-dichlorobenzene	trichloroethene
1,1-dichloroethane	1,2,3-trichloropropane
1,2-dichloroethane	1,2,4-trimethylbenzene
1,1-dichloroethene	1,3,5-trimethylbenzene
<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
1,3-dichloropropane	
2,2-dichloropropane	

200µg/mL each in P&T methanol, 1mL/ampul
cat. # 30432 (ea.)

2,000µg/mL each in P&T methanol, 1mL/ampul
cat. # 30431 (ea.)

502.2 Calibration Mix #1 (gases)

bromomethane	trichlorofluoromethane (CFC-11)
chloroethane	vinyl chloride
chloromethane	
dichlorodifluoromethane (CFC-12)	

200µg/mL each in P&T methanol, 1mL/ampul
cat. # 30439 (ea.)

2,000µg/mL each in P&T methanol, 1mL/ampul
cat. # 30042 (ea.)

502.2 Calibration Mix #2 (14 components)

bromodichloromethane	1,3-dichloropropane
bromoform	2,2-dichloropropane
carbon tetrachloride	<i>cis</i> -1,3-dichloropropene
chloroform	<i>trans</i> -1,3-dichloropropene
1,1-dichloroethane	methylene chloride
1,1-dichloroethene	1,1,1-trichloroethane
<i>trans</i> -1,2-dichloroethene	trichloroethene

2,000µg/mL each in P&T methanol, 1mL/ampul
cat. # 30043 (ea.)

502.2 Calibration Mix #3 (14 components)

bromochloromethane	1,2-dichloropropane
dibromochloromethane	1,1-dichloropropene
1,2-dibromo-3-chloropropane	1,1,1,2-tetrachloroethane
1,2-dibromoethane	1,1,2,2-tetrachloroethane
dibromomethane	tetrachloroethene
1,2-dichloroethane	1,1,2-trichloroethane
<i>cis</i> -1,2-dichloroethene	1,2,3-trichloropropane

2,000µg/mL each in P&T methanol, 1mL/ampul
cat. # 30044 (ea.)

502.2 Calibration Mix #4 (9 components)

benzene	styrene
<i>tert</i> -butylbenzene	toluene
chlorobenzene	1,3,5-trimethylbenzene
isopropylbenzene	<i>m</i> -xylene
<i>n</i> -propylbenzene	

2,000µg/mL each in P&T methanol, 1mL/ampul
cat. # 30045 (ea.)

502.2 Calibration Mix #5 (10 components)

bromobenzene	ethylbenzene
<i>n</i> -butylbenzene	1,2,4-trichlorobenzene
<i>sec</i> -butylbenzene	1,2,4-trimethylbenzene
2-chlorotoluene	<i>o</i> -xylene
1,3-dichlorobenzene	<i>p</i> -xylene

2,000µg/mL each in P&T methanol, 1mL/ampul
cat. # 30046 (ea.)

502.2 Calibration Mix #6 (7 components)

4-chlorotoluene	4-isopropyltoluene
1,2-dichlorobenzene	naphthalene
1,4-dichlorobenzene	1,2,3-trichlorobenzene
hexachlorobutadiene	

2,000µg/mL each in P&T methanol, 1mL/ampul
cat. # 30047 (ea.)

**Method 504.1 (Ethylene Dibromide/
Dibromochloropropane)****504.1 Calibration Mix**

1,2-dibromo-3-chloropropane 1,2,3-trichloropropane
1,2-dibromoethane
200µg/mL each in P&T methanol, 1mL/ampul
cat. # 30239 (ea.)

**Method 505 (Organohalide
Pesticides & PCBs)****505 Organohalide Pesticide Mix** (16 components)

aldrin	heptachlor
alachlor	heptachlor epoxide (isomer B)
atrazine	hexachlorobenzene
γ-BHC (lindane)	hexachlorocyclopentadiene
α-chlordane	methoxychlor
γ-chlordane	cis-nonachlor
dieldrin	trans-nonachlor
endrin	simazine

200µg/mL each in methanol, 1mL/ampul
cat. # 32024 (ea.)

Toxaphene Solutions

1,000µg/mL in hexane, 1mL/ampul
cat. # 32005 (ea.)
2,000µg/mL in methanol, 1mL/ampul
cat. # 32015 (ea.)
5,000µg/mL in isooctane, 1mL/ampul
cat. # 32071 (ea.)

**Method 506 (Phthalate &
Adipate Esters)****506 Calibration Mix** (7 components)

benzyl butyl phthalate	di- <i>n</i> -octyl phthalate
bis(2-ethylhexyl)adipate	diethylphthalate
bis(2-ethylhexyl)phthalate	dimethylphthalate
di- <i>n</i> -butylphthalate	

1,000µg/mL in isooctane, 1mL/ampul
cat. # 31845 (ea.)

506 Laboratory Performance Check Mix

(7 components)

benzyl butyl phthalate	250µg/mL	di- <i>n</i> -butylphthalate	100
bis(2-ethylhexyl)adipate	1200	di- <i>n</i> -octyl phthalate	650
bis(2-ethylhexyl)phthalate	250	diethylphthalate	100
		dimethylphthalate	100

In P&T methanol, 1mL/ampul
cat. # 31844 (ea.)

**Method 507 (Nitrogen &
Phosphorus Pesticides)****Organonitrogen Pesticide Mix #1 (Rev),**

Method 525.2 (37 components)

alachlor	molinate
ametryn	napropamide (Devrinol®)
atraton	norflurazon
atrazine	pebulate
bromacil	prometon
butachlor	prometryne
butylate	pronamide (propyzamide)
chlorpropham	propachlor
cyanazine (Bladex)	propazine
cycloate	simazine
diphenamid	simetryn
EPTC	tebuthiuron
etridiazole (Terrazole®)	terbacil
fenarimol	terbutryn
fluridone (Sonar®)	triadimefon
hexazinone (Velpar®)	tricyclazole (Beam)
metolachlor	trifluralin
metribuzin	vernolate
MGK-264	

500µg/mL each in acetone, 1mL/ampul
cat. # 33012 (ea.)

**Organophosphorus Pesticide Mix #1
(Rev), Method 525.2** (7 components)

chlorpyrifos (Dursban®)	methyl paraoxon (parathion)
dichlorvos (DDVP)	methyl-O-analog)
disulfoton sulfone	mevinphos (phosdrin)
ethoprop (ethoprophos)	stirofos (tetrachlorvinphos)

500µg/mL each in acetone, 1mL/ampul
cat. # 33013 (ea.)

Method 525.2 Nitrogen/Phosphorus**Pesticide Mix #2** (6 components)

carboxin	fenamiphos
diazinon	merphos
disulfoton	terbufos

1,000µg/mL each in acetone, 1mL/ampul
cat. # 32423 (ea.)

**Method 508, 508.1, 508A
(Chlorinated Pesticides)****508.1 Internal Standard**

pentachloronitrobenzene
100µg/mL in ethyl acetate, 1mL/ampul
cat. # 32091 (ea.)

508.1 Surrogate

4,4'-dibromobiphenyl
500µg/mL in ethyl acetate, 1mL/ampul
cat. # 32092 (ea.)

508.1 GC Degradation Check Mix

4,4'-DDT endrin
100µg/mL each in ethyl acetate, 1mL/ampul
cat. # 32093 (ea.)

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Method 508, 508.1, 508A (Chlorinated Pesticides) *cont'd*

508 Performance Check Mix

δ-BHC	0.4µg/mL	chlorpyrifos	0.02
chlorothalonil	0.5	DCPA (Dacthal®)	0.5

At concentrations listed in methyl *tert*-butyl ether, 1mL/ampul
cat. # 32045 (ea.)

508.1 Calibration Mix #1 (17 components)

aldrin	endosulfan I
α-BHC	endosulfan II
β-BHC	endosulfan sulfate
δ-BHC	endrin
γ-BHC (lindane)	endrin aldehyde
4,4'-DDD	heptachlor
4,4'-DDE	heptachlor epoxide (isomer B)
4,4'-DDT	methoxychlor
dieldrin	

500µg/mL each in ethyl acetate, 1mL/ampul
cat. # 32094 (ea.)

508.1 Calibration Mix #2 (11 components)

chlorobenzilate	hexachlorobenzene
α-chlordane	<i>cis</i> -permethrin*
γ-chlordane	<i>trans</i> -permethrin*
chlorneb	propachlor
DCPA (Dacthal®)	trifluralin
etridiazole	

500µg/mL each in ethyl acetate, 1mL/ampul
cat. # 32095 (ea.)

*1000µg/mL total permethrin. Exact content of each isomer listed on certificate of analysis.

508.1 Calibration Mix #3 (8 components)

alachlor	hexachlorocyclopentadiene
atrazine	metolachlor
chlorthalonil	metribuzin
cyazazine	simazine

500µg/mL each in ethyl acetate, 1mL/ampul
cat. # 32096 (ea.)

Toxaphene Solutions

1,000µg/mL in hexane, 1mL/ampul	cat. # 32005 (ea.)
2,000µg/mL in methanol, 1mL/ampul	cat. # 32015 (ea.)
5,000µg/mL in isooctane, 1mL/ampul	cat. # 32071 (ea.)

Organochlorine Pesticide System Evaluation Mix

4,4'-DDT	200µg/mL
endrin	100µg/mL

In MTBE, 1mL/ampul
cat. # 32417 (ea.)

Decachlorobiphenyl, 508A

200µg/mL in acetone, 1mL/ampul	cat. # 32029 (ea.)
200µg/mL in acetone, 5mL/ampul	cat. # 32030 (ea.)
10µg/mL in isooctane, 1mL/ampul	cat. # 32289 (ea.)

Method 515, 515.4 (Chlorinated Acid Herbicides)

Herbicide Internal Standard

4,4'-dibromooctafluorobiphenyl	cat. # 32053 (ea.)
250µg/mL in hexane, 1mL/ampul	
2,000µg/mL in methyl <i>tert</i> -butyl ether, 1mL/ampul	cat. # 31856 (ea.)

Herbicide Surrogate

Free Acid Form:

2,4-dichlorophenylacetic acid (DCAA)	
200µg/mL in methanol, 1mL/ampul	cat. # 32049 (ea.)
1,000µg/mL in acetone, 1mL/ampul	cat. # 32439 (ea.)

Derivatized Form:

2,4-dichlorophenyl acetic acid methyl ester (DCAA methyl ester)	
200µg/mL in hexane, 1mL/ampul	cat. # 32050 (ea.)

Herbicide Lab Performance Check Mix

dinoseb methyl ether	4µg/mL
DCAA methyl ester	500
4,4'-dibromooctafluorobiphenyl	250
3,5-dichlorobenzoic acid methyl ester	600
4-nitroanisole	1,600

In MTBE, 1mL/ampul
cat. # 32063 (ea.)

Herbicide Mix #1 (7 components)

Free Acid Form:

2,4-D	dicamba
2,4-DB	dichlorprop
2,4,5-T	dinoseb
2,4,5-TP	

200µg/mL each in methanol, 1mL/ampul
cat. # 32054 (ea.)

Derivatized Form:

2,4-D methyl ester	dicamba methyl ester
2,4-DB methyl ester	dichlorprop methyl ester
2,4,5-T methyl ester	dinoseb methyl ether
2,4,5-TP methyl ester	

200µg/mL each in hexane, 1mL/ampul
cat. # 32055 (ea.)

Method 515, 515.4 (Chlorinated Acid Herbicides) *cont'd*

Herbicide Mix #2

Free Acid Form:

dalapon
2,000µg/mL in methanol, 1mL/ampul
cat. # 32056 (ea.)

Derivatized Form:

dalapon methyl ester
2,000µg/mL in hexane, 1mL/ampul
cat. # 32057 (ea.)

Herbicide Mix #4 (8 components)

Free Acid Form:

acifluorfen	3,5-dichlorobenzoic acid
bentazon	4-nitrophenol
chloramben	pentachlorophenol
DCPA diacid	picloram

200µg/mL each in methanol, 1mL/ampul
cat. # 32061 (ea.)

Derivatized Form:

acifluorfen methyl ester	3,5-dichlorobenzoic acid methyl ester
bentazon methyl ester	methyl ester
chloramben methyl ester	4-nitroanisole
DCPA (Dacthal®)	pentachloroanisole
	picloram methyl ester

200µg/mL each in hexane, 1mL/ampul
cat. # 32062 (ea.)

515.4 Calibration Mix (16 components)

acifluorfen (Blazer) 50µg/mL	3,5-dichlorobenzoic acid	50
bentazon 100	dichlorprop	100
chloramben 50	dinoseb	100
2,4-D 100	pentachlorophenol	10
dalapon 100	picloram	50
2,4-DB 100	quinclorac	50
DCPA diacid (tetra-chloroterephthalic acid) 50	2,4,5-T	25
dicamba 50	2,4,5-TP (Silvex)	25

In acetone, 1mL/ampul
cat. # 32443 (ea.)

515.4 Methylated Chlorinated Acids Mix

(16 components)

acifluorfen methyl ester 50µg/mL	3,5-dichlorobenzoic acid methyl ester	50
bentazon methyl ester 100	dichlorprop methyl ester	100
chloramben methyl ester 50	dinoseb methyl ether	100
dalapon methyl ester 100	pentachloroanisole	10
2,4-D methyl ester 100	picloram methyl ester	50
2,4-DB methyl ester 100	quinclorac methyl ester	50
DCPA (Dacthal®) 100	2,4,5-T methyl ester	25
dicamba methyl ester 50	2,4,5-TP (Silvex) methyl ester	25

In methyl *tert*-butyl ether, 1mL/ampul
cat. # 32444 (ea.)

Method 521 (Nitrosamines)

Nitrosamine Calibration Mix, Method 521

(7 components)

N-nitrosodiethylamine	N-nitrosomethylethylamine
N-nitrosodimethylamine	N-nitrosopiperidine
N-nitrosodi- <i>n</i> -butylamine	N-nitrosopyrrolidine
N-nitrosodi- <i>n</i> -propylamine	

1,000µg/mL each in methylene chloride, 1mL/ampul
cat. # 31898 (ea.)

N-Nitrosodimethylamine-d6

N-nitrosodimethylamine-d6
1,000µg/mL in methylene chloride, 1mL/ampul
cat. # 33910 (ea.)

N-Nitrosodi-*n*-propylamine-d14

N-nitrosodi-*n*-propylamine-d14
1,000µg/mL in methylene chloride, 1mL/ampul
cat. # 33911 (ea.)

Method 524.1, 524.2 (Volatile 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 (methyl bromide)	ethylbenzene
<i>n</i> -butylbenzene	hexachloro-1,3-butadiene (hexachlorobutadiene)
<i>sec</i> -butylbenzene	isopropylbenzene (cumene)
<i>tert</i> -butylbenzene	4-isopropyltoluene (<i>p</i> -cymene)
carbon tetrachloride	methylene chloride (dichloromethane)
chlorobenzene	naphthalene
chloroethane (ethyl chloride)	<i>n</i> -propylbenzene
chloroform	styrene
chloromethane (methyl chloride)	1,1,1,2-tetrachloroethane
2-chlorotoluene	1,1,2-tetrachloroethane
4-chlorotoluene	tetrachloroethene
dibromochloromethane	toluene
1,2-dibromo-3-chloropropane (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 (CFC-11)
dichlorodifluoromethane (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.)

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Method 524.1, 524.2 (Volatile Organics) *cont'd***Randy Fisher**

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524 Internal Standard/Surrogate Mix

4-bromofluorobenzene fluorobenzene
1,2-dichlorobenzene-d4
2,000µg/mL each in P&T methanol, 1mL/ampul
cat. # 32021 (ea.)

Surrogate Standard

4-bromofluorobenzene α, α, α -trifluorotoluene
2,500µg/mL each in P&T methanol, 1mL/ampul
cat. # 30484 (ea.)

524.2 Surrogate Standard

1-bromo-4-fluorobenzene 1,2-dichlorobenzene-d4
2,000µg/mL in P&T methanol, 1mL/ampul
cat. # 30607 (ea.)

PFTBA (MS Tuning Compound)

perfluorotributylamine (PFTBA)

Neat

1mL cat. # 30482 (ea.)

1g cat. # 33027 (ea.)

No data pack available.

Drinking Water VOA MegaMix[®], 524.2 Rev. 4.1

(73 components)

acrylonitrile	<i>trans</i> -1,3-dichloropropene
allyl chloride	diethyl ether (ethyl ether)
benzene	ethylbenzene
bromobenzene	ethyl methacrylate
bromochloromethane	hexachloro-1,3-butadiene
bromodichloromethane	hexachloroethane
bromoform	iodomethane (methyl iodide)
<i>n</i> -butylbenzene	isopropylbenzene (cumene)
<i>sec</i> -butylbenzene	4-isopropyltoluene (<i>p</i> -cymene)
<i>tert</i> -butylbenzene	methacrylonitrile
carbon disulfide	methyl acrylate
carbon tetrachloride	methyl <i>tert</i> -butyl ether
chloroacetonitrile	(MTBE)
chlorobenzene	methylene chloride
1-chlorobutane	(dichloromethane)
chlorodibromomethane	methyl methacrylate
(dibromochloromethane)	naphthalene
chloroform	nitrobenzene
2-chlorotoluene	2-nitropropane
4-chlorotoluene	pentachloroethane
1,2-dibromo-3-chloropropane	propionitrile (ethylcyanide)
(DBCP)	<i>n</i> -propylbenzene
1,2-dibromoethane	styrene
(ethylene dibromide)	1,1,1,2-tetrachloroethane
dibromomethane	1,1,2,2-tetrachloroethane
1,2-dichlorobenzene	tetrachloroethene
1,3-dichlorobenzene	tetrahydrofuran
1,4-dichlorobenzene	toluene
<i>trans</i> -1,4-dichloro-2-butene	1,2,3-trichlorobenzene
1,1-dichloroethane	1,2,4-trichlorobenzene
1,2-dichloroethane	1,1,1-trichloroethane
1,1-dichloroethene	1,1,2-trichloroethane
<i>cis</i> -1,2-dichloroethene	trichloroethene
<i>trans</i> -1,2-dichloroethene	1,2,3-trichloropropane
1,2-dichloropropane	1,2,4-trimethylbenzene
1,3-dichloropropane	1,3,5-trimethylbenzene
2,2-dichloropropane	<i>m</i> -xylene
1,1-dichloropropene	<i>o</i> -xylene
<i>cis</i> -1,3-dichloropropene	<i>p</i> -xylene
2,000µg/mL each in P&T methanol, 1mL/ampul	
cat. # 30601 (ea.)	

502.2 Calibration Mix #1 (gases)

bromomethane	trichlorofluoromethane
chloroethane	(CFC-11)
chloromethane	vinyl chloride
dichlorodifluoromethane	
(CFC-12)	

200µg/mL each in P&T methanol, 1mL/ampul

cat. # 30439 (ea.)

2,000µg/mL each in P&T methanol, 1mL/ampul

cat. # 30042 (ea.)

Ketones Mix, 524.2 Rev. 4.1 (5 components)

acetone	2-hexanone
2-butanone (MEK)	4-methyl-2-pentanone (MIBK)
1,1-dichloro-2-propanone	

5,000µg/mL each in 90% P&T methanol:10% water, 1mL/ampul

cat. # 30602 (ea.)

Oxygenates Standard

diisopropyl ether (DIPE)	2,000µg/mL
ethyl- <i>tert</i> -butyl ether (ETBE)	2,000
<i>tert</i> -amyl ethyl ether (TAEE)	2,000
<i>tert</i> -amyl methyl ether (TAME)	2,000
<i>tert</i> -butyl alcohol (TBA)	10,000

In P&T methanol, 1mL/ampul

cat. # 30619 (ea.)

524 Calibration Mix #7 (12 components)

Note: Due to compound interactions, this mixture is a two ampul set.

Ampul 1:

acetone	4-methyl-2-pentanone (MIBK)
2-butanone (MEK)	tetrahydrofuran
2-hexanone	

Ampul 2:

acrylonitrile	methyl methacrylate
allyl chloride	nitrobenzene
ethyl methacrylate	pentachloroethane
methyl acrylate	

2,000µg/mL each in P&T methanol, 1mL/ampul

cat. # 30202 (ea.)

524 Calibration Mix #8 (12 components)

carbon disulfide	hexachloroethane
chloroacetonitrile	iodomethane (methyl iodide)
1-chlorobutane	methacrylonitrile
<i>trans</i> -1,4-dichloro-2-butene	methyl <i>tert</i> -butyl ether
1,1-dichloro-2-propanone	2-nitropropane
diethyl ether	propionitrile

2,000µg/mL each in P&T methanol, 1mL/ampul

cat. # 30203 (ea.)

also available

Additional chlorinated acid
herbicides mixes:

see Method 555, page 453.
and Method 8321, page 470.

free data

Available on Our Website: Lot
Certificates, Data Packs, and
MSDSs

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pack (Adobe[®] PDF file), enter
the catalog number and lot
number of the product.

Method 525, 525.1, 525.2 (Semivolatile Organics)

Method 525.2 Semivolatile Mix (revised)

(28 components)

acenaphthylene	di- <i>n</i> -butylphthalate
anthracene	2,4-dinitrotoluene
benzo(a)anthracene	2,6-dinitrotoluene
benzo(a)pyrene	di- <i>n</i> -octylphthalate
benzo(b)fluoranthene	fluoranthene
benzo(ghi)perylene	fluorene
benzo(k)fluoranthene	hexachlorobenzene
benzylbutylphthalate	hexachlorocyclopentadiene
bis(2-ethylhexyl)adipate	indeno(1,2,3- <i>cd</i>)pyrene
bis(2-ethylhexyl)phthalate	isophorone
chrysene	naphthalene
dibenzo(a,h)anthracene	pentachlorophenol*
diethylphthalate	phenanthrene
dimethylphthalate	pyrene

1,000µg/mL each in acetone, 1mL/ampul*
cat. # 31899 (ea.)

*pentachlorophenol at 4,000µg/mL.

Method 525.2 PCB Congener Mix (8 components)

2-chlorobiphenyl (BZ#1)
2,3-dichlorobiphenyl (BZ#5)
2,4,5-trichlorobiphenyl (BZ#29)
2,2',4,4'-tetrachlorobiphenyl (BZ#47)
2,2',3',4,6-pentachlorobiphenyl (BZ#98)
2,2',4,4',5,6'-hexachlorobiphenyl (BZ#154)
2,2',3,3',4,4',6-heptachlorobiphenyl (BZ#171)
2,2',3,3',4,5',6,6'-octachlorobiphenyl (BZ#200)

200µg/mL each in acetone, 1mL/ampul
cat. # 32420 (ea.)

Organochlorine Pesticide Mix AB # 3

(20 components)

aldrin	dieldrin
α-BHC	endosulfan I
β-BHC	endosulfan II
δ-BHC	endosulfan sulfate
γ-BHC (lindane)	endrin
α-chlordane	endrin aldehyde
γ-chlordane	endrin ketone
4,4'-DDD	heptachlor
4,4'-DDE	heptachlor epoxide (isomer B)
4,4'-DDT	methoxychlor

2,000µg/mL each in hexane:toluene (1:1), 1mL/ampul
cat. # 32415 (ea.)

Organonitrogen Pesticide Mix #1 (Rev),

Method 525.2 (37 components)

alachlor	molinat
ametryn	napropamide (Devrinol®)
atrazon	norflurazon
atrazine	pebulate
bromacil	prometon
butachlor	prometryne
butylate	pronamide (propyzamide)
chlorpropham	propachlor
cyanazine (Bladex)	propazine
cycloate	simazine
diphenamid	simetryn
EPTC	tebuthiuron
etridiazole (Terrazole®)	terbacil
fenarimol	terbutryn
fluridone (Sonar®)	triadimefon
hexazinone (Velpar®)	tricyclazole (Beam)
metolachlor	trifluralin
metribuzin	vernolate
MGK-264	

500µg/mL each in acetone, 1mL/ampul
cat. # 33012 (ea.)

Method 525, 525.1, 525.2 (Semivolatile Organics) *cont'd*

Organophosphorus Pesticide Mix #1 (Rev),

Method 525.2 (7 components)

chlorpyrifos (Dursban®)	methyl paraoxon (parathion methyl-O-analog)
dichlorvos (DDVP)	methyl-O-analog
disulfoton sulfone	mevinphos (phosdrin)
ethoprop (ethoprophos)	stirofos (tetrachlorvinphos)

500µg/mL each in acetone, 1mL/ampul
cat. # 33013 (ea.)

Method 525.2 Nitrogen/Phosphorus

Pesticide Mix #2 (6 components)

carboxin	fenamiphos
diazinon	merphos
disulfoton	terbufos

1,000µg/mL each in acetone, 1mL/ampul
cat. # 32423 (ea.)

Organochlorine Pesticide Mix #2 (Rev),

Method 525.2 (8 components)

chlorobenzilate	heptachlor epoxide (isomer A)
chloroneb	<i>trans</i> -nonachlor
chlorothalonil	<i>cis</i> -permethrin
DCPA (Dacthal®)	<i>trans</i> -permethrin

500µg/mL each in acetone, 1mL/ampul
cat. # 33011 (ea.)

Method 525.2 Fortification Recovery Standard

p-terphenyl-d14

1,000µg/mL in methylene chloride, 1mL/ampul
cat. # 31828 (ea.)

Method 525.2 Internal Standard Mix

acenaphthene-d10	phenanthrene-d10
chrysene-d12	

1,000µg/mL each in acetone, 1mL/ampul
cat. # 31825 (ea.)

Method 525.2 Surrogate Standard Mix

2-nitro- <i>m</i> -xylene	pyrene-d10
perylene-d12	triphenylphosphate

1,000µg/mL each in acetone, 1mL/ampul
cat. # 31826 (ea.)

Method 525.2 GC/MS Performance Check Mix

4,4'-DDT
DFTPP (decafluorotriphenylphosphine)
endrin

1,000µg/mL each in acetone, 1mL/ampul
cat. # 31827 (ea.)

also **available**

See **page 444** for
502.2 MegaMix® and 502.2
calibration mixes.

Antifoam Agent for Purge & Trap Samples

Foam generated as purge gas passes through a sample can enter the analytical trap, and possibly into the GC column. Our silica-containing antifoam agent is effective over a wide pH range, and will not conflict with chromatography of target analytes.

Neat, 1mL/ampul
cat. # 31822 (ea.)

No data pack available.

Method 526 (Semivolatile Organics)**Semivolatile Calibration Mix, EPA 526**

(11 components)

acetochlor	fonofos
cyanazine	nitrobenzene
diazinon	prometon
2,4-dichlorophenol	terbufos
1,2-diphenylhydrazine	2,4,6-trichlorophenol
disulfoton	

200µg/mL each in ethyl acetate, 1mL/ampul
cat. # 31691 (ea.)

Internal Standard Mix, EPA 526

acenaphthene-d10	phenanthrene-d10
chrysene-d12	

500µg/mL each in acetone, 1mL/ampul
cat. # 31692 (ea.)

Surrogate Standard Mix, EPA 526

2-nitro- <i>m</i> -xylene	triphenylphosphate
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500µg/mL each in acetone, 1mL/ampul
cat. # 31693 (ea.)

Method 527 (Pesticides & Flame Retardants-GC/MS)**PBDE Mix**

2,2',4,4',5-pentabromodiphenyl ether (BDE-99)
2,2',4,4',5,5'-hexabromobiphenyl
2,2',4,4',5,5'-hexabromodiphenyl ether (BDE-153)
2,2',4,4',6-pentabromodiphenyl ether (BDE-100)
2,2',4,4'-tetrabromodiphenyl ether (BDE-47)

50µg/mL each in isooctane:ethyl acetate (4:1), 1mL/ampul
cat. # 33098 (ea.)

new!

Pesticides Mix #1, Method 527 (16 components)

atrazine	mirex
bifenthrin	nitrofen
esbiol (Bioallethrin®, S-cyclopentyl isomer)	norflurazon
bromacil	oxychlorodane
esfenvalarate	prometryne
fenvalarate	propazine
hexazinone	thiobencarb
kepone	vinclozolin

500µg/mL each in ethyl acetate, 1mL/ampul
cat. # 33007 (ea.)

Pesticides Mix #2, Method 527

chloropyrifos (Dursban®)	parathion
dimethoate	terbufos sulfone
malathion	

500µg/mL each in ethyl acetate, 1mL/ampul
cat. # 33008 (ea.)

Surrogate Standard, Method 527

1,3-dimethyl-2-nitrobenzene	triphenylphosphate
perylene-d12	

500µg/mL each in acetone, 1mL/ampul
cat. # 33009 (ea.)

Method 527 (Pesticides & Flame Retardants-GC/MS) cont'd**Method 525.2 Surrogate Standard Mix**

2-nitro- <i>m</i> -xylene	pyrene-d10
perylene-d12	triphenylphosphate

1,000µg/mL each in acetone, 1mL/ampul
cat. # 31826 (ea.)

Internal Standard, Method 527

acenaphthene-d10	phenanthrene-d10
chrysene-d12	

500µg/mL each in acetone, 1mL/ampul
cat. # 33010 (ea.)

Method 525.2 Internal Standard Mix

acenaphthene-d10	phenanthrene-d10
chrysene-d12	

1,000µg/mL each in acetone, 1mL/ampul
cat. # 31825 (ea.)

Method 528 (Phenols)**Phenol Calibration Mix, EPA 528 (12 components)**

4-chloro-3-methylphenol	2-methyl-4,6-dinitrophenol
2-chlorophenol	2-nitrophenol
<i>o</i> -cresol	4-nitrophenol
2,4-dichlorophenol	pentachlorophenol
2,4-dimethylphenol	phenol
2,4-dinitrophenol	2,4,6-trichlorophenol

2,000µg/mL each in methylene chloride, 1mL/ampul
cat. # 31694 (ea.)

Internal Standard Mix, EPA 528

3-nitro- <i>o</i> -xylene	1,000µg/mL
2,3,4,5-tetrachlorophenol	2,000

In methylene chloride, 1mL/ampul

cat. # 31696 (ea.)

Phenols Fortification Mix, EPA 528

(12 components)

4-chloro-3-methylphenol	100µg/mL
2-chlorophenol	100
<i>o</i> -cresol	100
2,4-dichlorophenol	100
2,4-dimethylphenol	100
2,4-dinitrophenol	500
2-methyl-4,6-dinitrophenol	500
2-nitrophenol	100
4-nitrophenol	500
pentachlorophenol	500
phenol	100
2,4,6-trichlorophenol	100

In methanol, 1mL/ampul

cat. # 31695 (ea.)

Surrogate Standard Mix, EPA 528

2-chlorophenol-d4	1,000µg/mL
2,4-dimethylphenol-3,5,6-d3	1,000
2,4,6-tribromophenol	2,000

In methanol, 1mL/ampul

cat. # 31697 (ea.)

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Method 529 (Nitroaromatics & Nitramines)

Nitroaromatics and Nitramine Explosives in Drinking Water (14 components)

3,5-dinitroaniline	2-nitrotoluene
1,3-dinitrobenzene	3-nitrotoluene
2-amino-4,6-dinitrotoluene	4-nitrotoluene
4-amino-2,6-dinitrotoluene	RDX
2,4-dinitrotoluene	tetryl
2,6-dinitrotoluene	1,3,5-trinitrobenzene
nitrobenzene	2,4,6-trinitrotoluene

1,000µg/mL each in acetonitrile, 1mL/ampul
cat. # 33900 (ea.)

3,4-Dinitrotoluene

3,4-dinitrotoluene
2,000µg/mL in ethyl acetate, 1mL/ampul
cat. # 33901 (ea.)

2-Nitromesitylene

2-nitromesitylene
2,000µg/mL in methanol, 1mL/ampul
cat. # 33902 (ea.)

1,2,4-Trimethyl-5-nitrobenzene

1,2,4-trimethyl-5-nitrobenzene
2,000µg/mL in methanol, 1mL/ampul
cat. # 33903 (ea.)

Nitrobenzene-d5

nitrobenzene-d5
2,000µg/mL in methylene chloride, 1mL/ampul
cat. # 33904 (ea.)

Method 531.1, 531.2 (Carbamates)

Internal Standard

4-bromo-3,5-dimethylphenyl-N-methylcarbamate (BDMC)
100µg/mL in methanol, 1mL/ampul
cat. # 32274 (ea.)

531.1 Performance Check Mix

aldicarb sulfoxide	100µg/mL	3-hydroxycarbofuran	2
BDMC	10	methiocarb	20

In methanol, 1mL/ampul
cat. # 32275 (ea.)

531.1 Carbamate Pesticide Calibration Mixture

(10 components)	
aldicarb	3-hydroxycarbofuran
aldicarb sulfone	methiocarb
aldicarb sulfoxide	methomyl
carbaryl (Sevin®)	oxamyl
carbofuran	propoxur (Baygon®)

100µg/mL each in methanol, 1mL/ampul
cat. # 32273 (ea.)

531.2 Carbamate Pesticide Calibration Mixture

(11 components)	
aldicarb	methiocarb
aldicarb sulfone	methomyl
aldicarb sulfoxide	1-naphthol
carbaryl (Sevin®)	oxamyl
carbofuran	propoxur (Baygon®)
3-hydroxycarbofuran	

100µg/mL in acetonitrile, 1mL/ampul
cat. # 32435 (ea.)

Method 532 (Phenylurea Pesticides)

Phenylurea Surrogate Mixture

carbazole	monuron
-----------	---------

500µg/mL each in methanol:acetonitrile (50:50), 1mL/ampul
cat. # 32433 (ea.)

Phenylurea Pesticide Mixture (8 components)

diflubenzuron	propanil
diuron	siduron
fluometuron	tebuthiuron
linuron	thidiazuron

200µg/mL each in acetonitrile:acetone (90:10), 1mL/ampul
cat. # 32434 (ea.)

also available

See the LC Applications section for a carbamate pesticides chromatogram - [page 532](#).

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Method 547 (Glyphosate)

Glyphosate Standard

glyphosate
1,000µg/mL in DI water, 1mL/ampul
cat. # 32426 (ea.)

1,000µg/mL in DI water, 5mL/ampul
cat. # 32427 (ea.)

AMPA (glyphosate metabolite)

aminomethyl phosphonic acid (AMPA)
100µg/mL in DI water, 1mL/ampul
cat. # 32428 (ea.)

Method 549.2 (Paraquat/Diquat)

Paraquat & Diquat Calibration Mix

diquat dibromide paraquat dichloride
1,000µg/mL each in water, 1mL/ampul
cat. # 32437 (ea.)

Ultra Quat Reagent Solution

Use with Ultra Quat HPLC column. Dilute to 1 liter water, per instructions.

In water, 20mL/bottle
cat. # 32441 (ea.)

Method 551.1 (Chlorinated Pesticides & Herbicides)

551.1 Internal Standard

1-bromo-4-fluorobenzene
1,000µg/mL in acetone, 1mL/ampul
cat. # 31854 (ea.)

551.1 Surrogate Standard

decafluorobiphenyl
1,000µg/mL in acetone, 1mL/ampul
cat. # 31855 (ea.)

Method 551.1 Pesticide/Herbicide Mix

(16 components)

alachlor	heptachlor
atrazine	heptachlor epoxide (isomer B)
bromacil	hexachlorobenzene
cyazazine (Bladex)	hexachlorocyclopentadiene
endrin	methoxychlor
endrin aldehyde	metolachlor
endrin ketone	simazine
γ-BHC (lindane)	trifluralin

1,000µg/mL each in acetone, 1mL/ampul
cat. # 32438 (ea.)

Method 551.1 MTBE Lab Performance

Check Mix (7 components)

alachlor	83µg/mL	endrin	30
γ-BHC (lindane)	0.2	hexachlorocyclopentadiene	20
bromacil	83	trichloroethylene	30
bromodichloromethane	30		

In methyl *tert*-butyl ether, 1mL/ampul
cat. # 32440 (ea.)

Method 551.1 (Chlorinated Pesticides & Herbicides) *cont'd*

Disinfection By-Product and Chlorinated

Solvents Mix (19 components)

bromochloroacetonitrile	1,2-dibromoethane (EDB)
bromodichloromethane	dichloroacetonitrile
bromoform	1,1-dichloro-2-propanone
carbon tetrachloride	tetrachloroethylene
chloroform	trichloroacetonitrile
chloropicrin	1,1,1-trichloroethane
dibromoacetonitrile	1,1,2-trichloroethane
dibromochloromethane	trichloroethylene
1,2-dibromo-3-chloropropane (DBCP)	1,2,3-trichloropropane
	1,1,1-trichloro-2-propanone

2000µg/mL each in acetone, 1mL/ampul
cat. # 30615 (ea.)

Chloral Hydrate

chloral hydrate
1,000µg/mL in acetonitrile, 1mL/ampul
cat. # 30609 (ea.)

Disinfection By-Product Mix (7 components)

bromochloroacetonitrile	1,1-dichloro-2-propanone
chloropicrin	trichloroacetonitrile
dibromoacetonitrile	1,1,1-trichloro-2-propanone
dichloroacetonitrile	

2000µg/mL each in acetone, 1mL/ampul
cat. # 30616 (ea.)

Laboratory Performance Check Solution/

Pentane Extract (7 components)

alachlor	83µg/mL	endrin	30
γ-BHC	0.2	hexachlorocyclopentadiene	20
bromacil	83	trichloroethylene	30
bromodichloromethane	30		

In pentane, 1mL/ampul
cat. # 32442 (ea.)

Methods 552, 552.1, 552.2, 552.3 (Haloacetic Acids and Dalapon)

Haloacetic Acid Mix (9 components)

bromochloroacetic acid	monobromoacetic acid
bromodichloroacetic acid	monochloroacetic acid
chlorodibromoacetic acid	tribromoacetic acid
dibromoacetic acid	trichloroacetic acid
dichloroacetic acid	

1,000µg/mL each in methyl *tert*-butyl ether, 1mL/ampul
cat. # 31896 (ea.)

Haloacetic Acid Methyl Ester Mix (9 components)

methyl bromochloroacetate	methyl monobromoacetate
methyl bromodichloroacetate	methyl monochloroacetate
methyl chlorodibromoacetate	methyl tribromoacetate
methyl dibromoacetate	methyl trichloroacetate
methyl dichloroacetate	

1,000µg/mL each in methyl *tert*-butyl ether, 1mL/ampul
cat. # 31897 (ea.)

Methods 552, 552.1, 552.2, 552.3 (Haloacetic Acids and Dalapon) *cont'd*

Haloacetic Acid Mix #1 (6 components)

bromochloroacetic acid	monobromoacetic acid
dibromoacetic acid	monochloroacetic acid
dichloroacetic acid	trichloroacetic acid
2,000µg/mL each in MTBE, 1mL/ampul	
cat. # 31644 (ea.)	

Haloacetic Acid Methyl Ester Mix #1

(6 components)

methyl bromochloroacetate	methyl monobromoacetate
methyl dibromoacetate	methyl monochloroacetate
methyl dichloroacetate	methyl trichloroacetate
1,000µg/mL each in MTBE, 1mL/ampul	
cat. # 31645 (ea.)	

Haloacetic Acid Mix #2 (9 components)

bromochloroacetic acid	400µg/mL
bromodichloroacetic acid	400
chlorodibromoacetic acid	1000
dibromoacetic acid	200
dichloroacetic acid	600
monobromoacetic acid	400
monochloroacetic acid	600
tribromoacetic acid	2000
trichloroacetic acid	200

In MTBE, 1mL/ampul

cat. # 31646 (ea.)

Haloacetic Acid Methyl Ester Mix #2

(9 components)

methyl bromochloroacetate	400µg/mL
methyl bromodichloroacetate	400
methyl chlorodibromoacetate	1000
methyl dibromoacetate	200
methyl dichloroacetate	600
methyl monobromoacetate	400
methyl monochloroacetate	600
methyl tribromoacetate	2000
methyl trichloroacetate	200

In MTBE, 1mL/ampul

cat. # 31647 (ea.)

Dalapon (2,2-dichloropropionic acid)

dalapon

1,000µg/mL in acetonitrile, 1mL/ampul
cat. # 32432 (ea.)1,000µg/mL in methanol, 1mL/ampul
cat. # 32253 (ea.)2,000µg/mL in methanol, 1mL/ampul
cat. # 32056 (ea.)

Dalapon Methyl Ester

dalapon methyl ester

1,000µg/mL in methanol, 1mL/ampul
cat. # 32254 (ea.)2,000µg/mL in hexane, 1mL/ampul
cat. # 32057 (ea.)

Methods 552, 552.1, 552.2, 552.3 (Haloacetic Acids and Dalapon) *cont'd*

Internal Standards and Surrogates

Compound	cat.# (ea.)
Internal Standard:	
1,000µg/mL in MTBE, 1mL/ampul	
1,2,3-trichloropropane	31648

Surrogates for Method 552, 552.1:

1,000µg/mL in MTBE, 1mL/ampul	
2,3-dichloropropionic acid	31650
3,5-dichlorobenzoic acid	31652
3,5-dichlorobenzoic acid methyl ester	31649
2,3-dichloropropionic acid methyl ester	31651

Surrogates for Method 552.2:

1,000µg/mL in MTBE, 1mL/ampul	
2-bromopropionic acid	31653
2,3-dibromopropionic acid	31655
methyl 2-bromopropionate	31654
methyl-2,3-dibromopropionate	31656

Surrogates for Method 552.3:

1,000µg/mL in MTBE, 1mL/ampul	
2-bromobutanoic acid	31881
2-bromobutyrate	31882

Method 555 (Chlorinated Acids)

Chlorinated Acids by HPLC, Mix A (8 components)

acifluorfen (Blazer®)	dicamba
bentazon	dichlorprop
chloramben	picloram
2,4-D	2,4,5-TP (Silvex)
1,000µg/mL each in acetonitrile, 1mL/ampul	
cat. # 32431 (ea.)	

Chlorinated Acids by HPLC, Mix B (8 components)

2,4-DB	MCPD (mecoprop)
3,5-dichlorobenzoic acid	4-nitrophenol
dinoseb	pentachlorophenol
MCPA	2,4,5-T
1,000µg/mL each in acetonitrile, 1mL/ampul	
cat. # 32430 (ea.)	

Chlorinated Acid Herbicide Mix

2,4-dichlorophenoxyacetic acid (2,4-D)	
2,4,5-TP (Silvex)	
1,000µg/mL each in acetonitrile, 1mL/ampul	
cat. # 32429 (ea.)	

Drinking Water Odor Standard

Unpleasant odor in drinking water is associated with the growth and decay of microorganisms. The threshold value for these compounds is low (10ppt) and purge and trap analyses usually are used to quantify them.

(+/-)-geosmin	2-methylisoborneol
100µg/mL in P&T methanol, 1mL/ampul	
cat. # 30608 (ea.)	

did you know?

We have more than 2,000 pure, characterized, neat compounds in our inventory! If you do not see the EXACT mixture you need listed on any of these pages, call us.

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