

Method 8080, 8081 (Chlorinated Pesticides) *cont'd*

Pesticide Surrogate Mix

decachlorobiphenyl 2,4,5,6-tetrachloro-*m*-xylene
200µg/mL each in acetone, 1mL/ampul
cat. # 32000 (ea.)

Pesticide Surrogate Mix

decachlorobiphenyl 200µg/mL
2,4,5,6-tetrachloro-*m*-xylene 100
In P&T methanol, 1mL/ampul
cat. # 32453 (ea.)

Method 8082, 8082A (PCBs)

PCB Congener Mix, Method 8082A

(19 components)

2-chlorobiphenyl (BZ #1)
2,3-dichlorobiphenyl (BZ #5)
2,2',5-trichlorobiphenyl (BZ #18)
2,4',5-trichlorobiphenyl (BZ #31)
2,2',3,5'-tetrachlorobiphenyl (BZ #44)
2,2',5,5'-tetrachlorobiphenyl (BZ #52)
2,3',4,4'-tetrachlorobiphenyl (BZ #66)
2,2',3,4,5'-pentachlorobiphenyl (BZ #87)
2,2',4,5,5'-pentachlorobiphenyl (BZ #101)
2,3,3',4',6-pentachlorobiphenyl (BZ #110)
2,2',3,4,4',5'-hexachlorobiphenyl (BZ #138)
2,2',3,4,5,5'-hexachlorobiphenyl (BZ #141)
2,2',3,5,5',6-hexachlorobiphenyl (BZ #151)
2,2',4,4',5,5'-hexachlorobiphenyl (BZ #153)
2,2',3,3',4,4',5'-heptachlorobiphenyl (BZ #170)
2,2',3,4,4',5,5'-heptachlorobiphenyl (BZ #180)
2,2',3,4,4',5',6-heptachlorobiphenyl (BZ #183)
2,2',3,4',5,5',6-heptachlorobiphenyl (BZ #187)
2,2',3,3',4,4',5,5',6-nonachlorobiphenyl (BZ #206)

100µg/mL each in isoctane, 1mL/ampul
cat. # 32416 (ea.)

Method 8095 (Explosives by GC)

These materials support nitroaromatic, nitramine, and nitroester analyses by GC-ECD (Method 8095).^{1,2} Compounds listed are explosives, manufacturing intermediates or degradation products. Method 8095 mixtures contain the components at concentration ratios appropriate for ECD.

8095 Surrogate

3,4-dinitrotoluene
1,000µg/mL in methanol, 1mL/ampul
cat. # 31452 (ea.)

8095 Surrogate

2-methyl-4-nitroaniline
1,000µg/mL in methanol, 1mL/ampul
cat. # 31612 (ea.)

Method 8095 (Explosives by GC) *cont'd*

8095 Matrix Spike Mix A (10 components)

2-amino-4,6-dinitrotoluene HMX*
4-amino-2,6-dinitrotoluene RDX
1,3-dinitrobenzene tetryl
2,4-dinitrotoluene 1,3,5-trinitrobenzene
2,6-dinitrotoluene 2,4,6-trinitrotoluene
200µg/mL in acetonitrile (*HMX at 2,000µg/mL), 1mL/ampul
cat. # 31609 (ea.)

8095 Matrix Spike Mix B (7 components)

3,5-dinitroaniline* 3-nitrotoluene
nitrobenzene 4-nitrotoluene
nitroglycerine PETN
2-nitrotoluene
1,000µg/mL in acetonitrile (*3,5-dinitroaniline at 200µg/mL),
1mL/ampul
cat. # 31610 (ea.)

8095 Calibration Mix A (10 components)

2-amino-4,6-dinitrotoluene HMX
4-amino-2,6-dinitrotoluene RDX
1,3-dinitrobenzene tetryl
2,4-dinitrotoluene 1,3,5-trinitrobenzene
2,6-dinitrotoluene 2,4,6-trinitrotoluene
1,000µg/mL each in acetonitrile, 1mL/ampul
cat. # 31607 (ea.)

8095 Calibration Mix B (7 components)

3,5-dinitroaniline* 3-nitrotoluene
nitrobenzene 4-nitrotoluene
nitroglycerine PETN
2-nitrotoluene
5,000µg/mL in acetonitrile (*3,5-dinitroaniline at 1,000µg/mL),
1mL/ampul
cat. # 31608 (ea.)

Single-Component Explosives Solutions

Volume is 1mL/ampul. Concentration is µg/mL.

Compound	Solvent	µg/mL	cat.# (ea.)
2-amino-4,6-dinitrotoluene	ACN	1,000	31670
4-amino-2,6-dinitrotoluene	ACN	1,000	31671
ammonium picrate	ACN	2,000	31890
3,5-dinitroaniline	ACN	1,000	31661
1,3-dinitrobenzene	ACN	1,000	31662
1,4-dinitrobenzene	ACN	2,000	33205
2,4-dinitrotoluene	ACN	1,000	31663
2,6-dinitrotoluene	ACN	1,000	31664
EGDN	M	1,000	31601
HMX	ACN	1,000	31665
nitrobenzene	ACN	1,000	31657
nitroglycerin	M	1,000	31498
nitroguanidine	M	1,000	31602
2-nitrotoluene	ACN	1,000	31659
3-nitrotoluene	ACN	1,000	31660
4-nitrotoluene	ACN	1,000	31658
PETN (pentaerythritol tetranitrate)	M	1,000	31600
picric acid	M	1,000	31499
propylene glycol dinitrate (PGDN)	M	1,000	31821
RDX	ACN	1,000	31666
tetryl	ACN	1,000	31667
1,3,5-trinitrobenzene	ACN	1,000	31668
2,4,6-trinitrotoluene	ACN	1,000	31669

ACN = acetonitrile
M = methanol

free data

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References (Not available from Restek.)

¹US Environmental Protection Agency. *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*.

SW-846, Proposed Draft Update IVB, Office of Solid Waste, Washington, DC, 1999.

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