

## Method 8150, 8151, 8151A (Chlorinated Acid Herbicides)

**Herbicide Internal Standard**

4,4'-dibromooctafluorobiphenyl

250µg/mL in hexane, 1mL/ampul

cat. # 32053 (ea.)

2,000µg/mL in methylene chloride, 1mL/ampul

cat. # 31040 (ea.)

2,000µg/mL in methyl *tert*-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 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.)

**Herbicide Mix #2****Free Acid Form:**

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.)

**Derivatized Form:**

dalapon methyl ester

2,000µg/mL in hexane, 1mL/ampul

cat. # 32057 (ea.)

1,000µg/mL in methanol, 1mL/ampul

cat. # 32254 (ea.)

**Herbicide Mix #3****Free Acid Form:**

MCPA

MCPP

20,000µg/mL each in methanol, 1mL/ampul

cat. # 32058 (ea.)

**Derivatized Form:**

MCPA methyl ester

MCPP methyl ester

20,000µg/mL each in hexane, 1mL/ampul

cat. # 32059 (ea.)

**MCPA**

1,000µg/mL in methanol, 1mL/ampul

cat. # 32269 (ea.)

**MCPP**

1,000µg/mL in methanol, 1mL/ampul

cat. # 32271 (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	4-nitroanisole
bentazon methyl ester	pentachloroanisole
chloramben methyl ester	picloram methyl ester
DCPA (Dacthal®)	

3,5-dichlorobenzoic acid methyl ester

200µg/mL each in hexane, 1mL/ampul

cat. # 32062 (ea.)

**Picloram**

1,000µg/mL in methanol, 1mL/ampul

cat. # 32265 (ea.)

**3,5-Dichlorobenzoic Acid Surrogate Standard**

3,5-dichlorobenzoic acid

1,000µg/mL in MTBE, 1mL/ampul

cat. # 31652 (ea.)

**3,5-Dichlorobenzoic Acid Methyl Ester Surrogate Standard**

3,5-dichlorobenzoic acid methyl ester

1,000µg/mL in MTBE, 1mL/ampul

cat. # 31649 (ea.)

1,000µg/mL in methanol, 1mL/ampul

cat. # 32264 (ea.)



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Additional chlorinated acid herbicides mixes:

see Method 555, [page 453](#) and Method 8321, [page 470](#)