

## 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 (2 components)****Free Acid Form**

MCPA

MCCPP

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

cat. # 32058 (ea.)

**Derivatized Form**

MCPA methyl ester

MCCPP methyl ester

20,000µg/mL each in hexane, 1mL/ampul

cat. # 32059 (ea.)

**MCPA**

1,000µg/mL in methanol, 1mL/ampul

cat. # 32269 (ea.)

**MCCPP**

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

3,5-dichlorobenzoic acid methyl ester

bentazon methyl ester

4-nitroanisole

chloramben methyl ester

pentachloroanisole

DCPA (Dacthal)

picloram 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 methyl *tert*-butyl ether, 1mL/ampul

cat. # 31652 (ea.)

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

3,5-dichlorobenzoic acid methyl ester

1,000µg/mL in methyl *tert*-butyl ether, 1mL/ampul

cat. # 31649 (ea.)

1,000µg/mL in methanol, 1mL/ampul

cat. # 32264 (ea.)

**Reference Standards Search**

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Additional chlorinated acid herbicides mixes:

see Method 555, **page 463**  
and Method 8321, **page 484**