

Phenols & Derivatives

Phenols & Derivatives (in 1 mL of solvent, unless otherwise noted)

PHENOLS & DERIVATIVES	CAS NO.	QTY./CONC.	MATRIX	CAT. NO.
2-Chlorophenol	95-57-8	100 mg	Neat	A-013
		100 µg/mL	MeOH	APP-9-046
		2 mg/mL	CH ₂ Cl ₂	APP-9-046-D-20X
		5 mg/mL	MeOH	AS-E0022
3-Chlorophenol	108-43-0	100 mg	Neat	A-014
		5 mg/mL	MeOH	AS-E0182
4-Chlorophenol	106-48-9	100 mg	Neat	A-015
		5 mg/mL	MeOH	AS-E0183
4-Chloro-3-methylphenol	59-50-7	100 µg/mL	MeOH	APP-9-041
2-Chlorophenol-d ₄	93951-73-6	0.2 mg/mL	CH ₂ Cl ₂	M-625-20
m-Cresol	108-39-4	100 µg/mL	CH ₂ Cl ₂	APP-9-050
		1 mg/mL	CH ₂ Cl ₂	APP-9-050-10X
		5 mg/mL	MeOH	AS-E0251
o-Cresol	95-48-7	100 µg/mL	CH ₂ Cl ₂	APP-9-051
		2 mg/mL	CH ₂ Cl ₂	APP-9-051-20X
		5 mg/mL	MeOH	AS-E0250
p-Cresol	106-44-5	100 µg/mL	CH ₂ Cl ₂	APP-9-052
		2 mg/mL	CH ₂ Cl ₂	APP-9-052-20X
		5 mg/mL	MeOH	AS-E0252
2,4-Dibromophenol	615-58-7	1.6 µg/mL	Isopropanol	M-8041-SS
		160 µg/mL	Isopropanol	M-8041-SS-100X
		16 µg/mL	Isopropanol	M-8041-SS-10X
		1 mg/mL	Isopropanol	M-8041-SS-625X
2,3-Dichlorophenol	576-24-9	100 mg	Neat	A-016
2,4-Dichlorophenol	120-83-2	100 mg	Neat	A-017
		100 µg/mL	MeOH	APP-9-075
		1 mg/mL	MtBE	M-552A-6
		1 mg/mL	MtBE	M-552A-R-06
		5 mg/mL	MeOH	APP-9-075-50X
5 mg/mL	MeOH	AS-E0029		
2,5-Dichlorophenol	583-78-8	100 mg	Neat	A-018
2,6-Dichlorophenol	87-65-0	100 mg	Neat	A-019
		100 µg/mL	CH ₂ Cl ₂	APP-9-076
		5 mg/mL	MeOH	APP-9-076-M-50X
		5 mg/mL	MeOH	AS-E0302
3,4-Dichlorophenol	95-77-2	100 mg	Neat	A-020
3,5-Dichlorophenol	591-35-5	100 mg	Neat	A-021
4,6-Dinitro-o-cresol	534-52-1	100 mg	Neat	R-057N
		100 µg/mL	Toluene	R-057S
		1 mg/mL	MeOH	APP-9-090-10X
		5 mg/mL	MeOH	APP-9-090-50X
		5 mg/mL	MeOH	AS-E0058
2,4-Dimethylphenol	105-67-9	100 µg/mL	MeOH	APP-9-087
5 mg/mL	MeOH	APP-9-087-50X		
2,4-Dimethylphenol-3,5,6-d ₃ (95-98%)		0.1 mg/mL	Acetone	AS-E0190
2,4-Dinitrophenol	51-28-5	100 µg/mL	MeOH	APP-9-091
		5 mg/mL	MeOH	APP-9-091-50X
2-Fluorophenol (95-98%)		0.1 mg/mL	Acetone	AS-E0193
2-Fluorophenol	367-12-4	0.2 mg/mL	CH ₂ Cl ₂	M-625-16
		2 mg/mL	MeOH	CLP-AS-1
		2 mg/mL	CH ₂ Cl ₂	M-625-16-10X
		100 µg/mL	MeOH	APP-9-116
Hexachlorophene	70-30-4	2 mg/mL	CH ₂ Cl ₂	APP-9-116-D-20X
		2 mg/mL	MeOH	AS-E0323
		5 mg/mL	MeOH	AS-E0323
2-Nitrophenol	88-75-5	100 mg	Neat	R-051N
		100 µg/mL	Toluene	R-051S
		100 µg/mL	MeOH	APP-9-144
		5 mg/mL	MeOH	AS-E0055
3-Nitrophenol	554-84-7	5 mg/mL	MeOH	AS-E0662
4-Nitrophenol	100-02-7	100 µg/mL	MeOH	APP-9-145
		5 mg/mL	MeOH	AS-E0056
Pentachlorophenol	87-86-5	100 mg	Neat	A-031
		25 µg/mL	CH ₂ Cl ₂	M-625C-2
		100 µg/mL	MeOH	APP-9-176
		0.2 mg/mL	CH ₂ Cl ₂	M-625C-2-10X
		1 mg/mL	MeOH	APP-9-176-10X
		2 mg/mL	CH ₂ Cl ₂	APP-9-176-D-20X
5 mg/mL	MeOH	AS-E0062		
Pentachlorophenol- ¹³ C ₅	85380-74-1	0.1 mg/mL	Acetone	AS-E0191
Pentafluorophenol	771-61-9	0.2 mg/mL	CH ₂ Cl ₂	M-625-17
Phenol	108-95-2	100 µg/mL	CH ₂ Cl ₂	APP-9-179
		5 mg/mL	MeOH	AS-E0063
Phenol-d ₅	4165-62-2	0.1 mg/mL	Acetone	AS-E0189
		0.2 mg/mL	CH ₂ Cl ₂	M-625-18
		2 mg/mL	CH ₂ Cl ₂	M-625-18-10X
		5 mg	Neat	A-028
2,3,4,5-Tetrachlorophenol	4901-51-3	5 mg	Neat	A-028
2,3,4,6-Tetrachlorophenol	58-90-2	100 mg	Neat	A-029-10MG
		100 µg/mL	MeOH	APP-9-195
2,3,5,6-Tetrachlorophenol	935-95-5	100 mg	Neat	A-030
2,4,6-Tribromophenol	118-79-6	20 µg/mL	MtBE	M-8085-HERB-SS
		0.2 mg/mL	MeOH	M-604-SS
		0.2 mg/mL	CH ₂ Cl ₂	M-625-19
		2 mg/mL	MeOH	CLP-AS-3
		6 mg/mL	MeOH	CLP-LC-SS-2
2,4,6-Tribromophenol-PFB		0.2 mg/mL	MeOH	M-604-SS-PFB

Phenols & Derivatives

Phenols & Derivatives (in 1 mL of solvent, unless otherwise noted)

PHENOLS & DERIVATIVES	CAS NO.	QTY./CONC.	MATRIX	CAT. NO.
2,3,4-Trichlorophenol	15950-66-0	100 mg	Neat	A-022
2,3,5-Trichlorophenol	933-78-8	100 mg	Neat	A-023
		5 mg/mL	MeOH	AS-E0222
2,3,6-Trichlorophenol	933-75-5	100 mg	Neat	A-024
		1 mg/mL	MeOH	AS-E0181
2,4,5-Trichlorophenol	95-95-4	100 mg	Neat	A-025
		0.1 µg/mL	Acetone	CLP-FC-WL-10ML
		100 µg/mL	MeOH	APP-9-206
		0.1 mg/mL	Acetone	CLP-FC
		1 mg/mL	MeOH	A-025S-5X
		5 mg/mL	MeOH	AS-E0179
2,4,6-Trichlorophenol	88-06-2	100 mg	Neat	A-026
		100 µg/mL	MeOH	APP-9-207
		0.1 mg/mL	Acetone	M-1600-SPE
		1 mg/mL	MtBE	M-552A-7
		5 mg/mL	MeOH	APP-9-207-50X
		5 mg/mL	MeOH	AS-E0019
3,4,5-Trichlorophenol	609-19-8	10 mg	Neat	A-027
		1 mg/mL	MeOH	M-1653-IS
		1 mg/mL	Acetone	M-1653-IS-R

Kits for Qualitative Analysis & Identification

Phenols

PS-170D 15 vials

At the stated quantities and concentrations by weight % in Toluene solvent.

(01) Phenol	1 mL/Neat
(02) o-Cresol	1 mL/Neat
(03) m-Cresol	1 mL/Neat
(04) p-Cresol	1 mL/Neat
(05) o-Ethylphenol	2 mL/10%
(06) p-Ethylphenol	2 mL/10%
(07) 2-iso-Propylphenol	2 mL/10%
(08) 2,3-Xylenol	2 mL/10%
(09) 2,4-Xylenol	2 mL/10%
(10) 2,5-Xylenol	2 mL/10%
(11) 2,6-Xylenol	2 mL/10%
(12) 3,4-Xylenol	2 mL/10%
(13) 3,5-Xylenol	2 mL/10%
(14) 2,3,5-Trimethylphenol	2 mL/5%
(15) Phenol Mixture PS-17D	2 mL

At the stated weight % in Toluene solvent.

Phenol	4.9%
m-Cresol	3.3%
o-Ethylphenol	1.3%
p-Ethylphenol	7.8%

Calibration Mixture

PS-17D 2 mL vial

Neat at the stated weight % listed above.

Phenols, NEAT

PS-170DX

 Vials 1 through 4, 1 mL/vial.
 Vials 5 through 14, 100 mg/vial.
 Vial 15, 2 mL.

Chlorophenols

Z-007 Kit (17 x 100 mg)

A-013	2-Chlorophenol
A-014	3-Chlorophenol
A-015	4-Chlorophenol
A-016	2,3-Dichlorophenol
A-017	2,4-Dichlorophenol
A-018	2,5-Dichlorophenol
A-019	2,6-Dichlorophenol
A-020	3,4-Dichlorophenol
A-021	3,5-Dichlorophenol
A-022	2,3,4-Trichlorophenol
A-023	2,3,5-Trichlorophenol
A-024	2,3,6-Trichlorophenol
A-025	2,4,5-Trichlorophenol
A-026	2,4,6-Trichlorophenol
A-029	2,3,4,6-Tetrachlorophenol (10 mg)
A-030	2,3,5,6-Tetrachlorophenol
A-031	Pentachlorophenol

Phenols

TK-170 2 mL volume

Phenol
o-Cresol
m-Cresol
p-Cresol
2,3-Xylenol
2,4-Xylenol
2,5-Xylenol
2,6-Xylenol
3,4-Xylenol
3,5-Xylenol
o-Ethylphenol
m-Ethylphenol
p-Ethylphenol
2-Isopropylphenol
2-n-Propylphenol
2,3,5-Trimethylphenol
2,4,6-Trimethylphenol
4-Tertbutylphenol
2,3,5,6-Tetramethylphenol (1)
1-Naphthol

(1) 5% w/v in p-Xylene, all others 10% w/v in p-Xylene

EU Formulations

DIN EN 12673 Chlorophenols

Scope: Determination of selected chlorophenols in water by GC

DINEN-12673 1 x 1 mL
 19 comps.

At stated conc. in Ethanol

2-Chlorophenol
3-Chlorophenol
4-Chlorophenol
2,3-Dichlorophenol
2,4-Dichlorophenol
2,5-Dichlorophenol
2,6-Dichlorophenol
3,4-Dichlorophenol
3,5-Dichlorophenol
2,3,4-Trichlorophenol
2,3,5-Trichlorophenol
2,3,6-Trichlorophenol
2,4,5-Trichlorophenol
2,4,6-Trichlorophenol
3,4,5-Trichlorophenol
2,3,4,5-Tetrachlorophenol
2,3,4,6-Tetrachlorophenol
2,3,5,6-Tetrachlorophenol
Pentachlorophenol

DIN EN ISO 17495 Nitrophenols

Scope: determination of selected nitrophenols by solid-phase extraction and gas chromatography with mass spectrometric detection.

DINENISO-17495 1 x 1 mL
 500 µg/mL each in Acetone 14 comps.

2,4-Dinitrophenol
2,5-Dinitrophenol
2,6-Dinitrophenol
2-Methyl-4,6-dinitrophenol
2,6-Dimethyl-4-nitrophenol
2,4-Dichlor-6-nitrophenol
2,6-Dichlor-4-nitrophenol
2-Nitrophenol
3-Nitrophenol
4-Nitrophenol
4-Methyl-2-nitrophenol
3-Methyl-4-nitrophenol
5-Methyl-2-nitrophenol
3-Methyl-2-nitrophenol

Phenols & Derivatives

Method 528 Phenols by GC/MS

Stock Calibration Standard

M-528-CONC	1 x 1 mL
M-528-CONC-PAK SAVE	5 x 1 mL
2000 µg/mL each in CH ₂ Cl ₂ 12 comps.	

4-Chloro-3-methylphenol
2-Chlorophenol
o-Cresol
2,4-Dichlorophenol
2,4-Dimethylphenol
2,4-Dinitrophenol
2-Methyl-4,6-Dinitrophenol
2-Nitrophenol
4-Nitrophenol
Pentachlorophenol
Phenol
2,4,6-Trichlorophenol

Internal Standard

M-528-IS	1 x 1 mL
M-528-IS-PAK SAVE	5 x 1 mL
At stated conc. in CH ₂ Cl ₂ 2 comps.	
	µg/mL
1,2-Dimethyl-3-nitrobenzene	1000
2,3,4,5-Tetrachlorophenol	2000

Surrogate Standards

M-528-SS	1 x 1 mL
M-528-SS-PAK SAVE	5 x 1 mL
At stated conc. in MeOH 3 comps.	
	µg/mL
2-Chlorophenol-d ₄	1000
2,4-Dimethylphenol-3,5,6-d ₃	1000
2,4,6-Tribromophenol	2500

M-528-SS2	1 x 1 mL
M-528-SS2-PAK SAVE	5 x 1 mL
At stated conc. in MeOH 3 comps.	
	µg/mL
2-Chlorophenol-d ₄	1000
2,4-Dimethylphenol-3,5,6-d ₃	1000
2,4,6-Tribromophenol	2000

Analyte Fortification Solution

M-528-AFS	1 x 1 mL
M-528-AFS-PAK SAVE	5 x 1 mL
At stated conc. in MeOH 12 comps.	
	µg/mL
4-Chloro-3-methylphenol	100
2-Chlorophenol	100
o-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

Peak Tailing Factor Standard

M-528-PTF	1 x 1 mL
M-528-PTF-PAK SAVE	5 x 1 mL
10 µg/mL each in CH ₂ Cl ₂ 4 comps.	

2,4-Dimethylphenol
2-Methyl-4,6-dinitrophenol
4-Nitrophenol
Pentachlorophenol

Method 604 Phenols by GC/FID

Phenols by GC/FID

M-604	1 x 1 mL
M-604-PAK SAVE	5 x 1 mL
0.5 mg/mL each in MeOH 11 comps.	

4-Chloro-3-methylphenol
2-Chlorophenol
2,4-Dichlorophenol
2,4-Dimethylphenol
2,4-Dinitrophenol
2-Methyl-4,6-dinitrophenol
2-Nitrophenol
4-Nitrophenol
Pentachlorophenol
Phenol
2,4,6-Trichlorophenol

Surrogate Standard

M-604-SS	1 x 1 mL
M-604-SS-PAK SAVE	5 x 1 mL
0.2 mg/mL each in MeOH	

2,4,6-Tribromophenol

Phenol as Pentafluorobenzyl derivatives by GC/ECD

M-604-PFB	1 x 1 mL
M-604-PFB-PAK SAVE	5 x 1 mL
0.2 mg/mL each in MeOH 11 comps.	

4-Chloro-3-methylphenol
2-Chlorophenol
2,4-Dichlorophenol
2,4-Dimethylphenol
2,4-Dinitrophenol
2-Methyl-4,6-dinitrophenol
2-Nitrophenol
4-Nitrophenol
Pentachlorophenol
Phenol
2,4,6-Trichlorophenol

Surrogate Standard

M-604-SS-PFB	1 x 1 mL
M-604-SS-PFB-PAK SAVE	5 x 1 mL
0.2 mg/mL each in MeOH	

2,4,6-Tribromophenol-PFB

High Concentration Acid Extractables Phenol Mixture

Z-014H	1 x 1 mL
Z-014H-PAK SAVE	5 x 1 mL
2.0 mg/mL each in CH ₂ Cl ₂ 11 comps.	

4-Chloro-3-methylphenol
2-Chlorophenol
2,4-Dichlorophenol
2,4-Dimethylphenol
2,4-Dinitrophenol
2-Methyl-4,6-dinitrophenol
2-Nitrophenol
4-Nitrophenol
Pentachlorophenol
Phenol
2,4,6-Trichlorophenol

Method 625 Acid Extractables Mixture

M-625A	1 x 1 mL
M-625A-PAK SAVE	5 x 1 mL
20 µg/mL each in MeOH 11 comps.	

4-Chloro-3-methylphenol
2-Chlorophenol
2,4-Dichlorophenol
2,4-Dimethylphenol
2,4-Dinitrophenol
4,6-Dinitro-2-methylphenol
2-Nitrophenol
4-Nitrophenol
Pentachlorophenol
Phenol
2,4,6-Trichlorophenol

Canadian Methodologies Analytical Test Group 20 - Extractables, Acid (Phenolics)

MISA-A	1 x 1 mL
MISA-A-PAK SAVE	5 x 1 mL
2.0 mg/mL each in CH ₂ Cl ₂ 20 comps.	

4-Chloro-3-methylphenol
2-Chlorophenol
2-Cresol
3-Cresol
4-Cresol
2,4-Dichlorophenol
2,6-Dichlorophenol
2,4-Dimethylphenol
4,6-Dinitro-2-cresol
2,4-Dinitrophenol
4-Nitrophenol
Pentachlorophenol
Phenol
2,3,4,5-Tetrachlorophenol
2,3,4,6-Tetrachlorophenol
2,3,5,6-Tetrachlorophenol
2,3,4-Trichlorophenol
2,3,5-Trichlorophenol
2,4,5-Trichlorophenol
2,4,6-Trichlorophenol

Phenols & Derivatives

Method 8040A Phenols by GC/FID

Phenols

M-8040-SET 19 x 1 mL
Each at 1.0 mg/mL in MeOH
Set includes an individual ampule of each analyte listed below.

- (01) 4-Chloro-3-cresol
- (02) *o*-Chlorophenol
- (03) *m*-Cresol
- (04) *o*-Cresol
- (05) *p*-Cresol
- (06) 2-Cyclohexyl-4,6-dinitrophenol (*Dinex*)
- (07) 2,4-Dichlorophenol
- (08) 2,6-Dichlorophenol
- (09) 2,4-Dimethylphenol
- (10) 2,4-Dinitrophenol
- (11) Dinoseb
- (12) 2-Methyl-4,6-dinitrophenol
- (13) *o*-Nitrophenol
- (14) *p*-Nitrophenol
- (15) Pentachlorophenol
- (16) Phenol
- (17) 2,3,4,6-Tetrachlorophenol
- (18) 2,4,5-Trichlorophenol
- (19) 2,4,6-Trichlorophenol

Mix A

M-8040A-R 1 x 1 mL
M-8040A-R-PAK **SAVE** 5 x 1 mL
2.0 mg/mL each in *i*PrOH 10 comps.

- 4-Chloro-3-cresol
- o*-Cresol
- 2-Cyclohexyl-4,6-dinitrophenol (*Dinex*)
- 2,4-Dichlorophenol
- 2-Methyl-4,6-dinitrophenol
- o*-Nitrophenol
- p*-Nitrophenol
- 2,4,6-Trichlorophenol
- Pentachlorophenol
- Phenol

Mix B

M-8040B-R 1 x 1 mL
M-8040B-R-PAK **SAVE** 5 x 1 mL
2.0 mg/mL each in *i*PrOH 9 comps.

- o*-Chlorophenol
- m*-Cresol
- p*-Cresol
- 2,6-Dichlorophenol
- 2,4-Dimethylphenol
- 2,4-Dinitrophenol
- Dinoseb
- 2,3,4,6-Tetrachlorophenol
- 2,4,5-Trichlorophenol

Phenols QC Check Standard

M-8040A-ASL 1 x 1 mL
100 µg/mL each in *i*PrOH 19 comps.

- Dinoseb
- 4-Chloro-3-methylphenol
- 2-Chlorophenol
- o*-Cresol
- m*-Cresol
- p*-Cresol
- 2-Cyclohexyl-4,6-dinitrophenol
- 2,4-Dichlorophenol
- 2,6-Dichlorophenol
- 2,4-Dimethylphenol
- 4,6-Dinitro-*o*-cresol
- 2,4-Dinitrophenol
- 2-Nitrophenol
- 4-Nitrophenol
- Pentachlorophenol
- Phenol
- 2,3,4,6-Tetrachlorophenol
- 2,4,5-Trichlorophenol
- 2,4,6-Trichlorophenol

Method 8041 Phenols as the derivatives for Analysis by GC/FID or ECD

RCRA Target Phenols Solution

M-8041 1 x 1 mL
M-8041-PAK **SAVE** 5 x 1 mL
1.0 mg/mL each in *i*PrOH 21 comps.

- 4-Chloro-3-methylphenol
- 2-Chlorophenol
- 2-Cyclohexyl-4,6-dinitrophenol
- 2,4-Dichlorophenol
- 2,6-Dichlorophenol
- 2,4-Dimethylphenol
- Dinoseb (*DNBP*)
- 2,4-Dinitrophenol
- 2-Methyl-4,6-dinitrophenol
- 2-Methylphenol (*o*-Cresol)
- 3-Methylphenol (*m*-Cresol)
- 4-Methylphenol (*p*-Cresol)
- 2-Nitrophenol
- 4-Nitrophenol
- Pentachlorophenol
- Phenol
- 2,3,4,5-Tetrachlorophenol
- 2,3,4,6-Tetrachlorophenol
- 2,3,5,6-Tetrachlorophenol
- 2,4,5-Trichlorophenol
- 2,4,6-Trichlorophenol

Non-RCRA Target Phenols Solution

M-8041-X1 1 x 1 mL
M-8041-X1-PAK **SAVE** 5 x 1 mL
1.0 mg/mL each in *i*PrOH 18 comps.

- 2-Chloro-5-methylphenol
- 4-Chloro-2-methylphenol
- 3-Chlorophenol
- 4-Chlorophenol
- 2,3-Dichlorophenol
- 2,5-Dichlorophenol
- 3,4-Dichlorophenol
- 3,5-Dichlorophenol
- 2,3-Dimethylphenol
- 2,5-Dimethylphenol
- 2,6-Dimethylphenol
- 3,4-Dimethylphenol
- 2,5-Dinitrophenol
- 3-Nitrophenol
- 2,3,4-Trichlorophenol
- 2,3,5-Trichlorophenol
- 2,3,6-Trichlorophenol
- 3,4,5-Trichlorophenol

Technical Note

The method analytes were formulated into two distinct solutions to meet the needs of laboratories analyzing only the RCRA analytes or the combined RCRA/non-RCRA analytes.

Internal Standards

M-8041-IS 1 x 1 mL
M-8041-IS-PAK **SAVE** 5 x 1 mL
50 µg/mL each in *i*PrOH 2 comps.

- 2,5-Dibromotoluene
- 2,2',5,5'-Tetrabromobiphenyl

M-8041-IS-10X 1 x 1 mL
M-8041-IS-10X-PAK **SAVE** 5 x 1 mL
0.5 mg/mL each in *i*PrOH 2 comps.

- 2,5-Dibromotoluene
- 2,2',5,5'-Tetrabromobiphenyl

M-8041-IS-20X 1 x 1 mL
M-8041-IS-20X-PAK **SAVE** 5 x 1 mL
1.0 mg/mL each in *i*PrOH 2 comps.

- 2,5-Dibromotoluene
- 2,2',5,5'-Tetrabromobiphenyl

Surrogate Standards

M-8041-SS 1 x 1 mL
M-8041-SS-PAK **SAVE** 5 x 1 mL
1.6 µg/mL in *i*PrOH

- 2,4-Dibromophenol

M-8041-SS-10X 1 x 1 mL
M-8041-SS-10X-PAK **SAVE** 5 x 1 mL
16 µg/mL in *i*PrOH

- 2,4-Dibromophenol

M-8041-SS-100X 1 x 1 mL
M-8041-SS-100X-PAK **SAVE** 5 x 1 mL
160 µg/mL in *i*PrOH

- 2,4-Dibromophenol

M-8041-SS-625X 1 x 1 mL
M-8041-SS-625X-PAK **SAVE** 5 x 1 mL
1.0 mg/mL in *i*PrOH

- 2,4-Dibromophenol

Manufactured to former EPA Certified Specifications

Acid Extractables II

ASM-090 1 x 1 mL
1.0 mg/mL each in *CH₂Cl₂* 14 comps.

- 4-Chloro-3-methylphenol
- 2-Chlorophenol
- o*-Cresol
- p*-Cresol
- 2,4-Dichlorophenol
- 2,4-Dimethylphenol
- 4,6-Dinitro-2-methylphenol
- 2,4-Dinitrophenol
- 2-Nitrophenol
- 4-Nitrophenol
- Pentachlorophenol
- Phenol
- 2,4,5-Trichlorophenol
- 2,4,6-Trichlorophenol

Phenols Mixture

ASM-148 1 x 1 mL
1.0 mg/mL each in MeOH 11 comps.

- 2,4,6-Trichlorophenol
- 4-Chloro-3-methylphenol
- 2-Chlorophenol
- 2,4-Dichlorophenol
- 2-Nitrophenol
- 4-Nitrophenol
- 2,4-Dinitrophenol
- 4,6-Dinitro-2-methylphenol
- Pentachlorophenol
- Phenol
- 2,4-Dimethylphenol

Phthalates

Phthalates (in 1 mL of solvent, unless otherwise noted)

PHthalATES	CAS NO.	QTY./CONC.	MATRIX	CAT. NO.
Benzyl butyl phthalate	85-68-7	100 µg/mL	MeOH	APP-9-034
		5 mg/mL	MeOH	AS-E0065
Butyl octyl phthalate		100 mg	Neat	J-001
Diallyl phthalate	131-17-9	100 mg	Neat	J-002
Dibutyl phthalate	84-74-2	100 mg	Neat	J-003
Dicyclohexyl phthalate	84-61-7	100 mg	Neat	J-004
		1 mg/mL	AcCN	AS-E0318
Diethyl phthalate	84-66-2	100 mg	Neat	J-005
		100 µg/mL	MeOH	APP-9-081
		1 mg/mL	MeOH	APP-9-081-10X
		5 mg/mL	MeOH	AS-E0068
Diisodecyl phthalate	26761-40-0	100 mg	Neat	J-006
Diisohexyl phthalate		100 mg	Neat	J-007
Diisooctyl phthalate	27554-26-3	100 mg	Neat	J-008
Dimethyl isophthalate	1459-93-4	100 mg	Neat	J-009
Dimethyl phthalate	131-11-3	100 mg	Neat	J-010
		100 µg/mL	MeOH	APP-9-088
		0.1 mg/mL	EtOAc	M-8032-IS
		1 mg/mL	MeOH	APP-9-088-10X
Di-n-butyl phthalate	84-74-2	5 mg/mL	MeOH	AS-E0069
		100 µg/mL	MeOH	APP-9-063
		1 mg/mL	MeOH	APP-9-063-10X
Di-n-octyl phthalate	117-84-0	5 mg/mL	MeOH	AS-E0066
		100 mg	Neat	J-011
		100 µg/mL	MeOH	APP-9-095
		5 mg/mL	MeOH	AS-E0067
Diphenyl isophthalate	744-45-6	100 mg	Neat	J-012
Diphenyl phthalate	84-62-8	100 mg	Neat	J-013
bis(2-Ethylhexyl)phthalate	117-81-7	100 µg/mL	MeOH	APP-9-029
		1 mg/mL	MeOH	APP-9-029-10X
Isobutylcyclohexyl phthalate		100 mg	Neat	J-014
n-Octyl n-decyl phthalate	119-07-3	100 mg	Neat	J-015

Kits for Qualitative Analysis & Identification

Phthalate Esters Kit

PS-840C 15 vials
 2 mL each. Neat.

- (01) Dimethyl phthalate
- (02) Diethyl phthalate
- (03) Di-n-propyl phthalate
- (04) Di-iso-propyl phthalate
- (05) Di-n-butyl phthalate
- (06) Di-iso-butyl phthalate
- (07) Dipentyl phthalate
- (08) Dihexyl phthalate
- (09) Diheptyl phthalate
- (10) Dioctyl phthalate
- (11) Dinonyl phthalate
- (12) Didecyl phthalate
- (13) Diundecyl phthalate
- (14) Didodecyl phthalate
- (15) Phthalate Mixture PS-84C

Neat at stated weight %

Dimethyl phthalate	16.7%
Diethyl phthalate	16.7%
Di-n-propyl phthalate	33.3%
Di-n-butyl phthalate	33.3%

Calibration Mixture

PS-84C 2 mL vial
 Neat at the stated weight % listed above.

Method 506 Phthalate Esters

M-506 1 x 1 mL
M-506-PAK **SAVE** 5 x 1 mL
 1.0 mg/mL each in Isooctane 7 comps.

Benzyl butyl phthalate	bis(2-Ethylhexyl)adipate
Dimethyl phthalate	bis(2-Ethylhexyl)phthalate
Diethyl phthalate	Di-n-octyl phthalate
Di-n-butyl phthalate	

M-506-QC 1 x 1 mL
M-506-QC-PAK **SAVE** 5 x 1 mL
 At stated conc. in MeOH 7 comps.

	mg/mL		mg/mL
Benzyl butyl phthalate	0.25	bis(2-Ethyl hexyl)adipate	1.2
Dimethyl phthalate	0.1	bis(2-Ethylhexyl)phthalate	0.25
Diethyl phthalate	0.1	Di-n-octyl phthalate	0.65
Di-n-butyl phthalate	0.1		

Method 606 Phthalate Esters

Method 606 Phthalate Esters by GC/ECD

M-606 1 x 1 mL
M-606-PAK **SAVE** 5 x 1 mL
 0.2 mg/mL each in MeOH 6 comps.

Benzyl butyl phthalate	Di-n-butyl phthalate
Dimethyl phthalate	Di-n-octyl phthalate
Diethyl phthalate	bis(2-Ethylhexyl)phthalate

Phthalates Mixture

ASM-146 1 x 1 mL
 1.0 mg/mL each in MeOH 6 comps.

bis(2-Ethylhexyl)phthalate	Diethyl phthalate
Butyl benzyl phthalate	Di-n-octyl phthalate
Di-n-butyl phthalate	Dimethyl phthalate

Phthalate Esters Mix or Waste Water Method 606

M-PHE 1 x 1 mL
M-PHE-PAK **SAVE** 5 x 1 mL
 At stated conc. in Acetone 6 comps.

	µg/mL		µg/mL
Butyl benzyl phthalate	10	Di-n-butyl phthalate	25
Diethyl phthalate	25	Di-n-octyl phthalate	50
Dimethyl phthalate	25	bis(2-Ethylhexyl)phthalate	50

Method 8060 Phthalate Esters by GC/ECD

M-8060 1 x 1 mL
M-8060-PAK **SAVE** 5 x 1 mL
 2.0 mg/mL each in Isooctane 6 comps.

Benzyl butyl phthalate	Di-n-butyl phthalate
Diethyl phthalate	Di-n-octyl phthalate
Dimethyl phthalate	bis(2-Ethylhexyl)phthalate

M-8060-QC 1 x 1 mL
M-8060-QC-PAK **SAVE** 5 x 1 mL
 At stated conc. in MeOH 6 comps.

	mg/mL		mg/mL
Benzyl butyl phthalate	0.1	Di-n-butyl phthalate	0.25
Diethyl phthalate	0.25	Di-n-octyl phthalate	0.5
Dimethyl phthalate	0.25	bis(2-Ethylhexyl)phthalate	0.5

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