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EC-5612

EPA Method 1628 Calibration Standard Solutions [CS1-CS6]

6 x 0.2 mL in nonane/isooctane

All concentrations are in ng/mL

Unlabeled	IUPAC	CS1	CS2	CS3	CS4	CS5	CS6
2-MonoCB	1	10	20	40	160	400	2000
4-MonoCB	3	10	20	40	160	400	2000
2,2'-DiCB	4	10	20	40	160	400	2000
2,4'-DiCB	8	10	20	40	160	400	2000
3,3'-DiCB	11	10	20	40	160	400	2000
4,4'-DiCB	15	10	20	40	160	400	2000
2,2',5-TriCB	18	10	20	40	160	400	2000
2,2',6-TriCB	19	10	20	40	160	400	2000
2,4,4'-TriCB	28	10	20	40	160	400	2000
2,4',5-TriCB	31	10	20	40	160	400	2000
3,4,4'-TriCB	37	10	20	40	160	400	2000
2,2',3,5'-TetraCB	44	10	20	40	160	400	2000
2,2',5,5'-TetraCB	52	10	20	40	160	400	2000
2,2',6,6'-TetraCB	54	10	20	40	160	400	2000
2,3,4',6-TetraCB	64	10	20	40	160	400	2000
2,3',4,4'-TetraCB	66	10	20	40	160	400	2000
2,3',4',5-TetraCB	70	10	20	40	160	400	2000
2,4,4',5-TetraCB	74	10	20	40	160	400	2000
3,3',4,4'-TetraCB	77	10	20	40	160	400	2000
2,2',3,4,4'-PentaCB	85	10	20	40	160	400	2000
2,2',3,5',6-PentaCB	95	10	20	40	160	400	2000
2,2',4,4',5-PentaCB	99	10	20	40	160	400	2000
2,2',4,5,5'-PentaCB	101	10	20	40	160	400	2000
2,2',4,6,6'-PentaCB	104	10	20	40	160	400	2000
2,3,3',4,4'-PentaCB	105	10	20	40	160	400	2000
2,3,3',4',6-PentaCB	110	10	20	40	160	400	2000
2,3',4,4',5-PentaCB	118	10	20	40	160	400	2000
3,3',4,4',5-PentaCB	126	10	20	40	160	400	2000

Unlabeled	IUPAC	CS1	CS2	CS3	CS4	CS5	CS6
2,2',3,3',4,6'-HexaCB	132	10	20	40	160	400	2000
2,2',3,4,4',5'-HexaCB	138	10	20	40	160	400	2000
2,2',3,4',5,6-HexaCB	147	10	20	40	160	400	2000
2,2',3,4',5',6-HexaCB	149	10	20	40	160	400	2000
2,2',4,4',5,5'-HexaCB	153	10	20	40	160	400	2000
2,2',4,4',6,6'-HexaCB	155	10	20	40	160	400	2000
2,3,3',4,4',5-HexaCB	156	10	20	40	160	400	2000
2,3,4,4',5,6-HexaCB	166	10	20	40	160	400	2000
3,3',4,4',5,5'-HexaCB	169	10	20	40	160	400	2000
2,2',3,3',4',5,6-HeptaCB	177	10	20	40	160	400	2000
2,2',3,4,4',5,5'-HeptaCB	180	10	20	40	160	400	2000
2,2',3,4',5,5',6-HeptaCB	187	10	20	40	160	400	2000
2,2',3,4',5,6,6'-HeptaCB	188	10	20	40	160	400	2000
2,3,3',4,4',5,5'-HeptaCB	189	10	20	40	160	400	2000
2,2',3,3',4,5,5',6'-OctaCB	199	10	20	40	160	400	2000
2,2',3,3',5,5',6,6'-OctaCB	202	10	20	40	160	400	2000
2,3,3',4,4',5,5',6-OctaCB	205	10	20	40	160	400	2000
2,2',3,3',4,4',5,5',6-NonaCB	206	10	20	40	160	400	2000
2,2',3,3',4,5,5',6,6'-NonaCB	208	10	20	40	160	400	2000
DecaCB	209	10	20	40	160	400	2000
Labeled							
2-MonoCB (¹³ C ₁₂ , 99%)	1	400	400	400	400	400	400
4-MonoCB (¹³ C ₁₂ , 99%)	3	400	400	400	400	400	400
2,2'-DiCB (¹³ C ₁₂ , 99%)	4	400	400	400	400	400	400
3,3'-DiCB (¹³ C ₁₂ , 99%)	11	400	400	400	400	400	400
4,4'-DiCB (¹³ C ₁₂ , 99%)	15	400	400	400	400	400	400
2,2',6-TriCB (¹³ C ₁₂ , 99%)	19	400	400	400	400	400	400
2,4,4'-TriCB (¹³ C ₁₂ , 99%)	28	400	400	400	400	400	400
3,4,4'-TriCB (¹³ C ₁₂ , 99%)	37	400	400	400	400	400	400
2,2',5,5'-TetraCB (¹³ C ₁₂ , 99%)	52	400	400	400	400	400	400
2,2',6,6'-TetraCB (¹³ C ₁₂ , 99%)	54	400	400	400	400	400	400
2,3',4',5-TetraCB (¹³ C ₁₂ , 99%)	70	400	400	400	400	400	400
3,3',4,4'-TetraCB (¹³ C ₁₂ , 99%)	77	400	400	400	400	400	400
2,2',3,4,4'-PentaCB (¹³ C ₁₂ , 99%)	85	400	400	400	400	400	400
2,2',4,5,5'-PentaCB (¹³ C ₁₂ , 99%)	101	400	400	400	400	400	400
2,2',4,6,6'-PentaCB (¹³ C ₁₂ , 99%)	104	400	400	400	400	400	400
2,3',4,4',5-PentaCB (¹³ C ₁₂ , 99%)	118	400	400	400	400	400	400
3,3',4,4',5-PentaCB (¹³ C ₁₂ , 99%)	126	400	400	400	400	400	400
2,2',3,4,4',5'-HexaCB (¹³ C ₁₂ , 99%)	138	400	400	400	400	400	400

Labeled	IUPAC	CS1	CS2	CS3	CS4	CS5	CS6
2,2',4,4',5,5'-HexaCB (¹³ C ₁₂ , 99%)	153	400	400	400	400	400	400
2,2',4,4',6,6'-HexaCB (¹³ C ₁₂ , 99%)	155	400	400	400	400	400	400
3,3',4,4',5,5'-HexaCB (¹³ C ₁₂ , 99%)	169	400	400	400	400	400	400
2,2',3,4,4',5,5'-HeptaCB (¹³ C ₁₂ , 99%)	180	400	400	400	400	400	400
2,2',3,4',5,6,6'-HeptaCB (¹³ C ₁₂ , 99%)	188	400	400	400	400	400	400
2,3,3',4,4',5,5'-HeptaCB (¹³ C ₁₂ , 99%)	189	400	400	400	400	400	400
2,2',3,3',5,5',6,6'-OctaCB (¹³ C ₁₂ , 99%)	202	400	400	400	400	400	400
2,3,3',4,4',5,5',6-OctaCB (¹³ C ₁₂ , 99%)	205	400	400	400	400	400	400
2,2',3,3',4,4',5,5',6-NonaCB (¹³ C ₁₂ , 99%)	206	400	400	400	400	400	400
2,2',3,3',4,5,5',6,6'-NonaCB (¹³ C ₁₂ , 99%)	208	400	400	400	400	400	400
DecaCB (¹³ C ₁₂ , 99%)	209	400	400	400	400	400	400
Internal							
2,4'-DiCB (¹³ C ₁₂ , 99%)	8	400	400	400	400	400	400
3,3',4,5'-TetraCB (¹³ C ₁₂ , 99%)	79	400	400	400	400	400	400
2,3,3',4',5,5'-HexaCB (¹³ C ₁₂ , 99%)	162	400	400	400	400	400	400