

## **Method 1668A/B PCB Calibration Solutions [CS1 - CS5]**

Art. ID CIL-EC-4976  
Unit 5 x 0,2 mL  
Deliverydetails De Minimis UN1920 III E1

### Description

Chemical purity: NA

| Text/Information | Analyte/Parameter                             | CAS number   | Concentration/Value | Unit  | Method | Source |
|------------------|---|--------------|---------------------|-------|--------|--------|
| CS1, IUPAC# 1    | 2-Monochlorobiphenyl (P<br>CB 1)              | [2051-60-7]  | 1                   | ng/mL |        |        |
| CS1, IUPAC# 3    | 4-Monochlorobiphenyl (P<br>CB 3)              | [2051-62-9]  | 1                   | ng/mL |        |        |
| CS1, IUPAC# 4    | 2,2'-Dichlorobiphenyl (<br>PCB 4)             | [13029-08-8] | 1                   | ng/mL |        |        |
| CS1, IUPAC# 15   | 4,4'-Dichlorobiphenyl (<br>PCB 15)            | [2050-68-2]  | 1                   | ng/mL |        |        |
| CS1, IUPAC# 19   | 2,2',6-Trichlorobipheny<br>I (PCB 19)         | [38444-73-4] | 1                   | ng/mL |        |        |
| CS1, IUPAC# 37   | 3,4,4'-Trichlorobipheny<br>I (PCB 37)         | [38444-90-5] | 1                   | ng/mL |        |        |
| CS1, IUPAC# 54   | 2,2',6,6'-Tetrachlorobi<br>phenyl (PCB 54)    | [15968-05-5] | 1                   | ng/mL |        |        |
| CS1, IUPAC# 77   | 3,3',4,4'-Tetrachlorobi<br>phenyl (PCB 77)    | [32598-13-3] | 1                   | ng/mL |        |        |
| CS1, IUPAC# 81   | 3,4,4',5-Tetrachlorobip<br>henyl (PCB 81)     | [70362-50-4] | 1                   | ng/mL |        |        |
| CS1, IUPAC# 104  | 2,2',4,6,6'-Pentachloro<br>biphenyl (PCB 104) | [56558-16-8] | 1                   | ng/mL |        |        |
| CS1, IUPAC# 105  | 2,3,3',4,4'-Pentachloro<br>biphenyl (PCB 105) | [32598-14-4] | 1                   | ng/mL |        |        |
| CS1, IUPAC# 114  | 2,3,4,4',5-Pentachlorob<br>iphenyl (PCB 114)  | [74472-37-0] | 1                   | ng/mL |        |        |
| CS1, IUPAC# 118  | 2,3',4,4',5-Pentachloro<br>biphenyl (PCB 118) | [31508-00-6] | 1                   | ng/mL |        |        |
| CS1, IUPAC# 123  | 2',3,4,4',5-Pentachloro<br>biphenyl (PCB 123) | [65510-44-3] | 1                   | ng/mL |        |        |
| CS1, IUPAC# 126  | 3,3',4,4',5-Pentachloro                       | [57465-28-8] | 1                   | ng/mL |        |        |

|                 |   |               |     |       |
|-----------------|---|---------------|-----|-------|
|                 | biphenyl (PCB 126)                                    |               |     |       |
| CS1, IUPAC# 155 | 2,2',4,4',6,6'-Hexachlorobiphenyl (PCB 155)           | [33979-03-2]  | 1   | ng/mL |
| CS1, IUPAC# 156 | 2,3,3',4,4',5-Hexachlorobiphenyl (PCB 156)            | [38380-08-4]  | 1   | ng/mL |
| CS1, IUPAC# 157 | 2,3,3',4,4',5'-Hexachlorobiphenyl (PCB 157)           | [69782-90-7]  | 1   | ng/mL |
| CS1, IUPAC# 167 | 2,3',4,4',5,5'-Hexachlorobiphenyl (PCB 167)           | [52663-72-6]  | 1   | ng/mL |
| CS1, IUPAC# 169 | 3,3',4,4',5,5'-Hexachlorobiphenyl (PCB 169)           | [32774-16-6]  | 1   | ng/mL |
| CS1, IUPAC# 188 | 2,2',3,4',5,6,6'-Heptachlorobiphenyl (PCB 188)        | [74487-85-7]  | 1   | ng/mL |
| CS1, IUPAC# 189 | 2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB 189)        | [39635-31-9]  | 1   | ng/mL |
| CS1, IUPAC# 202 | 2,2',3,3',5,5',6,6'-Octachlorobiphenyl (PCB 202)      | [2136-99-4]   | 1   | ng/mL |
| CS1, IUPAC# 205 | 2,3,3',4,4',5,5',6-Octachlorobiphenyl (PCB 205)       | [74472-53-0]  | 1   | ng/mL |
| CS1, IUPAC# 206 | 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (PCB 206)    | [40186-72-9]  | 1   | ng/mL |
| CS1, IUPAC# 208 | 2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl (PCB 208)    | [52663-77-1]  | 1   | ng/mL |
| CS1, IUPAC# 209 | 2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl (PCB 209) | [2051-24-3]   | 1   | ng/mL |
| CS1, IUPAC# 1L  | 2-Monochlorobiphenyl (13C12,99%) (IUPAC #1)           | [234432-85-0] | 100 | ng/mL |
| CS1, IUPAC# 3L  | 4-Monochlorobiphenyl (13C12,99%) (IUPAC #3)           | [208263-77-8] | 100 | ng/mL |
| CS1, IUPAC# 4L  | 2,2'-Dichlorobiphenyl (13C12,99%) (IUPAC #4)          | [234432-86-1] | 100 | ng/mL |
| CS1, IUPAC# 15L | 4,4'-Dichlorobiphenyl (13C12,99%) (IUPAC #15)         | [208263-67-6] | 100 | ng/mL |

|                  |  |               |     |       |
|------------------|--|---------------|-----|-------|
| CS1, IUPAC# 19L  | 2,2',6-Trichlorobiphenyl (13C12,99%) (IUPAC #19)           | [234432-87-2] | 100 | ng/mL |
| CS1, IUPAC# 37L  | 3,4,4'-Trichlorobiphenyl (13C12,99%) (IUPAC #37)           | [208263-79-0] | 100 | ng/mL |
| CS1, IUPAC# 54L  | 2,2',6,6'-Tetrachlorobiphenyl (13C12,98%) (IUPAC #54)      |               | 100 | ng/mL |
| CS1, IUPAC# 77L  | 3,3',4,4'-Tetrachlorobiphenyl (13C12,99%) (IUPAC #77)      | [105600-23-5] | 100 | ng/mL |
| CS1, IUPAC# 81L  | 3,4,4',5-Tetrachlorobiphenyl (13C12,99%) (IUPAC #81)       | [208461-24-9] | 100 | ng/mL |
| CS1, IUPAC# 104L | 2,2',4,6,6'-Pentachlorobiphenyl (13C12,98%) (IUPAC #104)   |               | 100 | ng/mL |
| CS1, IUPAC# 105L | 2,3,3',4,4'-Pentachlorobiphenyl (13C12,99%) (IUPAC #105)   | [208263-62-1] | 100 | ng/mL |
| CS1, IUPAC# 114L | 2,3,4,4',5-Pentachlorobiphenyl (13C12,99%) (IUPAC #114)    | [208263-63-2] | 100 | ng/mL |
| CS1, IUPAC# 118L | 2,3',4,4',5-Pentachlorobiphenyl (13C12,99%) (IUPAC #118)   | [104130-40-7] | 100 | ng/mL |
| CS1, IUPAC# 123L | 2',3,4,4',5-Pentachlorobiphenyl (13C12,99%) (IUPAC #123)   | [208263-64-3] | 100 | ng/mL |
| CS1, IUPAC# 126L | 3,3',4,4',5-Pentachlorobiphenyl (13C12,99%) (IUPAC #126)   | [208263-65-4] | 100 | ng/mL |
| CS1, IUPAC# 155L | 2,2',4,4',6,6'-Hexachlorobiphenyl (13C12,99%) (IUPAC #155) | [234432-90-7] | 100 | ng/mL |
| CS1, IUPAC# 156L | 2,3,3',4,4',5-Hexachlorobiphenyl (13C12,99%) (             | [208263-68-7] | 100 | ng/mL |

|                  | IUPAC #156)   |               |     |       |
|------------------|---|---------------|-----|-------|
| CS1, IUPAC# 157L | 2,3,3',4,4',5'-Hexachlorobiphenyl (13C12,99%) (IUPAC #157)        | [235416-30-5] | 100 | ng/mL |
| CS1, IUPAC# 167L | 2,3',4,4',5,5'-Hexachlorobiphenyl (13C12,99%) (IUPAC #167)        | [208263-69-8] | 100 | ng/mL |
| CS1, IUPAC# 169L | 3,3',4,4',5,5'-Hexachlorobiphenyl (13C12,99%) (IUPAC #169)        | [208263-70-1] | 100 | ng/mL |
| CS1, IUPAC# 188L | 2,2',3,4',5,6,6'-Heptachlorobiphenyl (13C12,99%) (IUPAC #188)     | [234432-91-8] | 100 | ng/mL |
| CS1, IUPAC# 189L | 2,3,3',4,4',5,5'-Heptachlorobiphenyl (13C12,99%) (IUPAC #189)     | [208263-73-4] | 100 | ng/mL |
| CS1, IUPAC# 202L | 2,2',3,3',5,5',6,6'-Octachlorobiphenyl (13C12,99%) (IUPAC# 202)   | [105600-26-8] | 100 | ng/mL |
| CS1, IUPAC# 205L | 2,3,3',4,4',5,5',6-Octachlorobiphenyl (13C12,99%) (IUPAC #205)    | [234446-64-1] | 100 | ng/mL |
| CS1, IUPAC# 206L | 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (13C12,99%) (IUPAC #206) | [208263-75-6] | 100 | ng/mL |
| CS1, IUPAC# 208L | 2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl (13C12,99%) (IUPAC #208) | [234432-92-9] | 100 | ng/mL |
| CS1, IUPAC# 209L | Decachlorobiphenyl (13C12,99%) (IUPAC #209)                       | [105600-27-9] | 100 | ng/mL |
| CS1, IUPAC# 28L  | 2,4,4'-Trichlorobiphenyl (13C12,99%) (IUPAC #28)                  | [208263-76-7] | 100 | ng/mL |
| CS1, IUPAC# 111L | 2,3,3',5,5'-Pentachlorobiphenyl (13C12,99%) (IUPAC #111)          | [235416-29-2] | 100 | ng/mL |
| CS1, IUPAC# 178L | 2,2',3,3',5,5',6-Heptachlorobiphenyl (13C12,99%)                  | [232919-67-4] | 100 | ng/mL |

|                  | %) (IUPAC #178)   |               |     |       |
|------------------|---|---------------|-----|-------|
| CS1, IUPAC# 9L   | 2,5-Dichlorobiphenyl (1<br>3C12,99%) (IUPAC #9)                         | [250694-89-4] | 100 | ng/mL |
| CS1, IUPAC# 52L  | 2,2',5,5'-Tetrachlorobi<br>phenyl (13C12,99%) (IUP<br>AC #52)           | [208263-80-3] | 100 | ng/mL |
| CS1, IUPAC# 101L | 2,2',4,5,5'-Pentachloro<br>biphenyl (13C12,99%) (I<br>UPAC #101)        | [104130-39-4] | 100 | ng/mL |
| CS1, IUPAC# 138L | 2,2',3,4,4',5'-Hexachlo<br>robiphenyl (13C12,99%)<br>(IUPAC #138)       | [208263-66-5] | 100 | ng/mL |
| CS1, IUPAC# 194L | 2,2',3,3',4,4',5,5'-Oct<br>achlorobiphenyl (13C12,<br>99%) (IUPAC #194) | [208263-74-5] | 100 | ng/mL |
| CS2, IUPAC# 1    | 2-Monochlorobiphenyl (P<br>CB 1)  | [2051-60-7]   | 5   | ng/mL |
| CS2, IUPAC# 3    | 4-Monochlorobiphenyl (P<br>CB 3)  | [2051-62-9]   | 5   | ng/mL |
| CS2, IUPAC# 4    | 2,2'-Dichlorobiphenyl (<br>PCB 4)                                       | [13029-08-8]  | 5   | ng/mL |
| CS2, IUPAC# 15   | 4,4'-Dichlorobiphenyl (<br>PCB 15)                                      | [2050-68-2]   | 5   | ng/mL |
| CS2, IUPAC# 19   | 2,2',6-Trichlorobipheny<br>I (PCB 19)                                   | [38444-73-4]  | 5   | ng/mL |
| CS2, IUPAC# 37   | 3,4,4'-Trichlorobipheny<br>I (PCB 37)                                   | [38444-90-5]  | 5   | ng/mL |
| CS2, IUPAC# 54   | 2,2',6,6'-Tetrachlorobi<br>phenyl (PCB 54)                              | [15968-05-5]  | 5   | ng/mL |
| CS2, IUPAC# 77   | 3,3',4,4'-Tetrachlorobi<br>phenyl (PCB 77)                              | [32598-13-3]  | 5   | ng/mL |
| CS2, IUPAC# 81   | 3,4,4',5-Tetrachlorobip<br>henyl (PCB 81)                               | [70362-50-4]  | 5   | ng/mL |
| CS2, IUPAC# 104  | 2,2',4,6,6'-Pentachloro<br>biphenyl (PCB 104)                           | [56558-16-8]  | 5   | ng/mL |
| CS2, IUPAC# 105  | 2,3,3',4,4'-Pentachloro<br>biphenyl (PCB 105)                           | [32598-14-4]  | 5   | ng/mL |
| CS2, IUPAC# 114  | 2,3,4,4',5-Pentachlorob   | [74472-37-0]  | 5   | ng/mL |

|                 |   |               |     |       |
|-----------------|---|---------------|-----|-------|
|                 | iphenyl (PCB 114)                                     |               |     |       |
| CS2, IUPAC# 118 | 2,3',4,4',5-Pentachloro<br>biphenyl (PCB 118)         | [31508-00-6]  | 5   | ng/mL |
| CS2, IUPAC# 123 | 2',3,4,4',5-Pentachloro<br>biphenyl (PCB 123)         | [65510-44-3]  | 5   | ng/mL |
| CS2, IUPAC# 126 | 3,3',4,4',5-Pentachloro<br>biphenyl (PCB 126)         | [57465-28-8]  | 5   | ng/mL |
| CS2, IUPAC# 155 | 2,2',4,4',6,6'-Hexachlorobiphenyl (PCB 155)           | [33979-03-2]  | 5   | ng/mL |
| CS2, IUPAC# 156 | 2,3,3',4,4',5-Hexachlorobiphenyl (PCB 156)            | [38380-08-4]  | 5   | ng/mL |
| CS2, IUPAC# 157 | 2,3,3',4,4',5'-Hexachlorobiphenyl (PCB 157)           | [69782-90-7]  | 5   | ng/mL |
| CS2, IUPAC# 167 | 2,3',4,4',5,5'-Hexachlorobiphenyl (PCB 167)           | [52663-72-6]  | 5   | ng/mL |
| CS2, IUPAC# 169 | 3,3',4,4',5,5'-Hexachlorobiphenyl (PCB 169)           | [32774-16-6]  | 5   | ng/mL |
| CS2, IUPAC# 188 | 2,2',3,4',5,6,6'-Heptachlorobiphenyl (PCB 188)        | [74487-85-7]  | 5   | ng/mL |
| CS2, IUPAC# 189 | 2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB 189)        | [39635-31-9]  | 5   | ng/mL |
| CS2, IUPAC# 202 | 2,2',3,3',5,5',6,6'-Octachlorobiphenyl (PCB 202)      | [2136-99-4]   | 5   | ng/mL |
| CS2, IUPAC# 205 | 2,3,3',4,4',5,5',6-Octachlorobiphenyl (PCB 205)       | [74472-53-0]  | 5   | ng/mL |
| CS2, IUPAC# 206 | 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (PCB 206)    | [40186-72-9]  | 5   | ng/mL |
| CS2, IUPAC# 208 | 2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl (PCB 208)    | [52663-77-1]  | 5   | ng/mL |
| CS2, IUPAC# 209 | 2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl (PCB 209) | [2051-24-3]   | 5   | ng/mL |
| CS2, IUPAC# 1L  | 2-Monochlorobiphenyl (1,3-C12,99%) (IUPAC #1)         | [234432-85-0] | 100 | ng/mL |

|                  |  |               |     |       |
|------------------|--|---------------|-----|-------|
| CS2, IUPAC# 3L   | 4-Monochlorobiphenyl (1<br>3C12,99%) (IUPAC #3)                  | [208263-77-8] | 100 | ng/mL |
| CS2, IUPAC# 4L   | 2,2'-Dichlorobiphenyl (<br>13C12,99%) (IUPAC #4)                 | [234432-86-1] | 100 | ng/mL |
| CS2, IUPAC# 15L  | 4,4'-Dichlorobiphenyl (<br>13C12,99%) (IUPAC #15)                | [208263-67-6] | 100 | ng/mL |
| CS2, IUPAC# 19L  | 2,2',6-Trichlorobipheny<br>l (13C12,99%) (IUPAC #1<br>9)         | [234432-87-2] | 100 | ng/mL |
| CS2, IUPAC# 37L  | 3,4,4'-Trichlorobipheny<br>l (13C12,99%) (IUPAC #3<br>7)         | [208263-79-0] | 100 | ng/mL |
| CS2, IUPAC# 54L  | 2,2',6,6'-Tetrachlorobi<br>phenyl (13C12,98%) (IUP<br>AC #54)    |               | 100 | ng/mL |
| CS2, IUPAC# 77L  | 3,3',4,4'-Tetrachlorobi<br>phenyl (13C12,99%) (IUP<br>AC #77)    | [105600-23-5] | 100 | ng/mL |
| CS2, IUPAC# 81L  | 3,4,4',5-Tetrachlorobip<br>henyl (13C12,99%) (IUPA<br>C# 81)     | [208461-24-9] | 100 | ng/mL |
| CS2, IUPAC# 104L | 2,2',4,6,6'-Pentachloro<br>biphenyl (13C12,98%) (I<br>UPAC #104) |               | 100 | ng/mL |
| CS2, IUPAC# 105L | 2,3,3',4,4'-Pentachloro<br>biphenyl (13C12,99%) (I<br>UPAC #105) | [208263-62-1] | 100 | ng/mL |
| CS2, IUPAC# 114L | 2,3,4,4',5-Pentachlorob<br>iphenyl (13C12,99%) (IU<br>PAC #114)  | [208263-63-2] | 100 | ng/mL |
| CS2, IUPAC# 118L | 2,3',4,4',5-Pentachloro<br>biphenyl (13C12,99%) (I<br>UPAC #118) | [104130-40-7] | 100 | ng/mL |
| CS2, IUPAC# 123L | 2',3,4,4',5-Pentachloro<br>biphenyl (13C12,99%) (I<br>UPAC #123) | [208263-64-3] | 100 | ng/mL |
| CS2, IUPAC# 126L | 3,3',4,4',5-Pentachloro<br>biphenyl (13C12,99%) (I               | [208263-65-4] | 100 | ng/mL |

| UPAC #126)       |   |               |     |  |       |
|------------------|---|---------------|-----|--|-------|
| CS2, IUPAC# 155L | 2,2',4,4',6,6'-Hexachlorobiphenyl (13C12,99%) (IUPAC #155)        | [234432-90-7] | 100 |  | ng/mL |
| CS2, IUPAC# 156L | 2,3,3',4,4',5-Hexachlorobiphenyl (13C12,99%) (IUPAC #156)         | [208263-68-7] | 100 |  | ng/mL |
| CS2, IUPAC# 157L | 2,3,3',4,4',5'-Hexachlorobiphenyl (13C12,99%) (IUPAC #157)        | [235416-30-5] | 100 |  | ng/mL |
| CS2, IUPAC# 167L | 2,3',4,4',5,5'-Hexachlorobiphenyl (13C12,99%) (IUPAC #167)        | [208263-69-8] | 100 |  | ng/mL |
| CS2, IUPAC# 169L | 3,3',4,4',5,5'-Hexachlorobiphenyl (13C12,99%) (IUPAC #169)        | [208263-70-1] | 100 |  | ng/mL |
| CS2, IUPAC# 188L | 2,2',3,4',5,6,6'-Heptachlorobiphenyl (13C12,99%) (IUPAC #188)     | [234432-91-8] | 100 |  | ng/mL |
| CS2, IUPAC# 189L | 2,3,3',4,4',5,5'-Heptachlorobiphenyl (13C12,99%) (IUPAC #189)     | [208263-73-4] | 100 |  | ng/mL |
| CS2, IUPAC# 202L | 2,2',3,3',5,5',6,6'-Octachlorobiphenyl (13C12,99%) (IUPAC# 202)   | [105600-26-8] | 100 |  | ng/mL |
| CS2, IUPAC# 205L | 2,3,3',4,4',5,5',6-Octachlorobiphenyl (13C12,99%) (IUPAC #205)    | [234446-64-1] | 100 |  | ng/mL |
| CS2, IUPAC# 206L | 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (13C12,99%) (IUPAC #206) | [208263-75-6] | 100 |  | ng/mL |
| CS2, IUPAC# 208L | 2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl (13C12,99%) (IUPAC #208) | [234432-92-9] | 100 |  | ng/mL |
| CS2, IUPAC# 209L | Decachlorobiphenyl (13C12,99%) (IUPAC #209)                       | [105600-27-9] | 100 |  | ng/mL |
| CS2, IUPAC# 28L  | 2,4,4'-Trichlorobiphenyl (13C12,99%) (IUPAC #28)                  | [208263-76-7] | 100 |  | ng/mL |



|                  |   |               |     |  |       |
|------------------|---|---------------|-----|--|-------|
|                  | 8)  |               |     |  |       |
| CS2, IUPAC# 111L | 2,3,3',5,5'-Pentachloro biphenyl (13C12,99%) (IUPAC #111)       | [235416-29-2] | 100 |  | ng/mL |
| CS2, IUPAC# 178L | 2,2',3,3',5,5',6-Heptachlorobiphenyl (13C12,99%) (IUPAC #178)   | [232919-67-4] | 100 |  | ng/mL |
| CS2, IUPAC# 9L   | 2,5-Dichlorobiphenyl (13C12,99%) (IUPAC #9)                     | [250694-89-4] | 100 |  | ng/mL |
| CS2, IUPAC# 52L  | 2,2',5,5'-Tetrachlorobiphenyl (13C12,99%) (IUPAC #52)           | [208263-80-3] | 100 |  | ng/mL |
| CS2, IUPAC# 101L | 2,2',4,5,5'-Pentachlorobiphenyl (13C12,99%) (IUPAC #101)        | [104130-39-4] | 100 |  | ng/mL |
| CS2, IUPAC# 138L | 2,2',3,4,4',5'-Hexachlorobiphenyl (13C12,99%) (IUPAC #138)      | [208263-66-5] | 100 |  | ng/mL |
| CS2, IUPAC# 194L | 2,2',3,3',4,4',5,5'-Octachlorobiphenyl (13C12,99%) (IUPAC #194) | [208263-74-5] | 100 |  | ng/mL |
| CS3, IUPAC# 1    | 2-Monochlorobiphenyl (PCB 1)                                    | [2051-60-7]   | 50  |  | ng/mL |
| CS3, IUPAC# 3    | 4-Monochlorobiphenyl (PCB 3)                                    | [2051-62-9]   | 50  |  | ng/mL |
| CS3, IUPAC# 4    | 2,2'-Dichlorobiphenyl (PCB 4)                                   | [13029-08-8]  | 50  |  | ng/mL |
| CS3, IUPAC# 15   | 4,4'-Dichlorobiphenyl (PCB 15)                                  | [2050-68-2]   | 50  |  | ng/mL |
| CS3, IUPAC# 19   | 2,2',6-Trichlorobiphenyl (PCB 19)                               | [38444-73-4]  | 50  |  | ng/mL |
| CS3, IUPAC# 37   | 3,4,4'-Trichlorobiphenyl (PCB 37)                               | [38444-90-5]  | 50  |  | ng/mL |
| CS3, IUPAC# 54   | 2,2',6,6'-Tetrachlorobiphenyl (PCB 54)                          | [15968-05-5]  | 50  |  | ng/mL |
| CS3, IUPAC# 77   | 3,3',4,4'-Tetrachlorobiphenyl (PCB 77)                          | [32598-13-3]  | 50  |  | ng/mL |
| CS3, IUPAC# 81   | 3,4,4',5-Tetrachlorobiphenyl (PCB 81)                           | [70362-50-4]  | 50  |  | ng/mL |

|                 |   |              |    |       |
|-----------------|---|--------------|----|-------|
|                 | henyl (PCB 81)  |              |    |       |
| CS3, IUPAC# 104 | 2,2',4,6,6'-Pentachloro<br>biphenyl (PCB 104)             | [56558-16-8] | 50 | ng/mL |
| CS3, IUPAC# 105 | 2,3,3',4,4'-Pentachloro<br>biphenyl (PCB 105)             | [32598-14-4] | 50 | ng/mL |
| CS3, IUPAC# 114 | 2,3,4,4',5-Pentachlorob<br>iphenyl (PCB 114)              | [74472-37-0] | 50 | ng/mL |
| CS3, IUPAC# 118 | 2,3',4,4',5-Pentachloro<br>biphenyl (PCB 118)             | [31508-00-6] | 50 | ng/mL |
| CS3, IUPAC# 123 | 2',3,4,4',5-Pentachloro<br>biphenyl (PCB 123)             | [65510-44-3] | 50 | ng/mL |
| CS3, IUPAC# 126 | 3,3',4,4',5-Pentachloro<br>biphenyl (PCB 126)             | [57465-28-8] | 50 | ng/mL |
| CS3, IUPAC# 155 | 2,2',4,4',6,6'-Hexachlo<br>robiphenyl (PCB 155)           | [33979-03-2] | 50 | ng/mL |
| CS3, IUPAC# 156 | 2,3,3',4,4',5-Hexachlor<br>obiphenyl (PCB 156)            | [38380-08-4] | 50 | ng/mL |
| CS3, IUPAC# 157 | 2,3,3',4,4',5'-Hexachlo<br>robiphenyl (PCB 157)           | [69782-90-7] | 50 | ng/mL |
| CS3, IUPAC# 167 | 2,3',4,4',5,5'-Hexachlo<br>robiphenyl (PCB 167)           | [52663-72-6] | 50 | ng/mL |
| CS3, IUPAC# 169 | 3,3',4,4',5,5'-Hexachlo<br>robiphenyl (PCB 169)           | [32774-16-6] | 50 | ng/mL |
| CS3, IUPAC# 188 | 2,2',3,4',5,6,6'-Heptac<br>hlorobiphenyl (PCB 188)        | [74487-85-7] | 50 | ng/mL |
| CS3, IUPAC# 189 | 2,3,3',4,4',5,5'-Heptac<br>hlorobiphenyl (PCB 189)        | [39635-31-9] | 50 | ng/mL |
| CS3, IUPAC# 202 | 2,2',3,3',5,5',6,6'-Oct<br>achlorobiphenyl (PCB 20<br>2)  | [2136-99-4]  | 50 | ng/mL |
| CS3, IUPAC# 205 | 2,3,3',4,4',5,5',6-Octa<br>chlorobiphenyl (PCB 205<br>)   | [74472-53-0] | 50 | ng/mL |
| CS3, IUPAC# 206 | 2,2',3,3',4,4',5,5',6-N<br>onachlorobiphenyl (PCB<br>206) | [40186-72-9] | 50 | ng/mL |
| CS3, IUPAC# 208 | 2,2',3,3',4,5,5',6,6'-N<br>onachlorobiphenyl (PCB         | [52663-77-1] | 50 | ng/mL |

|                  |  |               |     |  |       |
|------------------|--|---------------|-----|--|-------|
|                  | 208)   |               |     |  |       |
| CS3, IUPAC# 209  | 2,2',3,3',4,4',5,5',6,6<br>'-Decachlorobiphenyl (P<br>CB 209)    | [2051-24-3]   | 50  |  | ng/mL |
| CS3, IUPAC# 1L   | 2-Monochlorobiphenyl (1<br>3C12,99%) (IUPAC #1)                  | [234432-85-0] | 100 |  | ng/mL |
| CS3, IUPAC# 3L   | 4-Monochlorobiphenyl (1<br>3C12,99%) (IUPAC #3)                  | [208263-77-8] | 100 |  | ng/mL |
| CS3, IUPAC# 4L   | 2,2'-Dichlorobiphenyl (<br>13C12,99%) (IUPAC #4)                 | [234432-86-1] | 100 |  | ng/mL |
| CS3, IUPAC# 15L  | 4,4'-Dichlorobiphenyl (<br>13C12,99%) (IUPAC #15)                | [208263-67-6] | 100 |  | ng/mL |
| CS3, IUPAC# 19L  | 2,2',6-Trichlorobipheny<br>l (13C12,99%) (IUPAC #1<br>9)         | [234432-87-2] | 100 |  | ng/mL |
| CS3, IUPAC# 37L  | 3,4,4'-Trichlorobipheny<br>l (13C12,99%) (IUPAC #3<br>7)         | [208263-79-0] | 100 |  | ng/mL |
| CS3, IUPAC# 54L  | 2,2',6,6'-Tetrachlorobi<br>phenyl (13C12,98%) (IUP<br>AC #54)    |               | 100 |  | ng/mL |
| CS3, IUPAC# 77L  | 3,3',4,4'-Tetrachlorobi<br>phenyl (13C12,99%) (IUP<br>AC #77)    | [105600-23-5] | 100 |  | ng/mL |
| CS3, IUPAC# 81L  | 3,4,4',5-Tetrachlorobip<br>henyl (13C12,99%) (IUPA<br>C# 81)     | [208461-24-9] | 100 |  | ng/mL |
| CS3, IUPAC# 104L | 2,2',4,6,6'-Pentachloro<br>biphenyl (13C12,98%) (I<br>UPAC #104) |               | 100 |  | ng/mL |
| CS3, IUPAC# 105L | 2,3,3',4,4'-Pentachloro<br>biphenyl (13C12,99%) (I<br>UPAC #105) | [208263-62-1] | 100 |  | ng/mL |
| CS3, IUPAC# 114L | 2,3,4,4',5-Pentachlorob<br>iphenyl (13C12,99%) (IU<br>PAC #114)  | [208263-63-2] | 100 |  | ng/mL |
| CS3, IUPAC# 118L | 2,3',4,4',5-Pentachloro<br>biphenyl (13C12,99%) (I               | [104130-40-7] | 100 |  | ng/mL |

|                  |   |               |     |  |       |
|------------------|---|---------------|-----|--|-------|
|                  | UPAC #118)  |               |     |  |       |
| CS3, IUPAC# 123L | 2,3,4,4',5-Pentachloro biphenyl (13C12,99%) (UPAC #123)           | [208263-64-3] | 100 |  | ng/mL |
| CS3, IUPAC# 126L | 3,3',4,4',5-Pentachloro biphenyl (13C12,99%) (UPAC #126)          | [208263-65-4] | 100 |  | ng/mL |
| CS3, IUPAC# 155L | 2,2',4,4',6,6'-Hexachlorobiphenyl (13C12,99%) (IUPAC #155)        | [234432-90-7] | 100 |  | ng/mL |
| CS3, IUPAC# 156L | 2,3,3',4,4',5-Hexachlorobiphenyl (13C12,99%) (IUPAC #156)         | [208263-68-7] | 100 |  | ng/mL |
| CS3, IUPAC# 157L | 2,3,3',4,4',5'-Hexachlorobiphenyl (13C12,99%) (IUPAC #157)        | [235416-30-5] | 100 |  | ng/mL |
| CS3, IUPAC# 167L | 2,3',4,4',5,5'-Hexachlorobiphenyl (13C12,99%) (IUPAC #167)        | [208263-69-8] | 100 |  | ng/mL |
| CS3, IUPAC# 169L | 3,3',4,4',5,5'-Hexachlorobiphenyl (13C12,99%) (IUPAC #169)        | [208263-70-1] | 100 |  | ng/mL |
| CS3, IUPAC# 188L | 2,2',3,4',5,6,6'-Heptachlorobiphenyl (13C12,99%) (IUPAC #188)     | [234432-91-8] | 100 |  | ng/mL |
| CS3, IUPAC# 189L | 2,3,3',4,4',5,5'-Heptachlorobiphenyl (13C12,99%) (IUPAC #189)     | [208263-73-4] | 100 |  | ng/mL |
| CS3, IUPAC# 202L | 2,2',3,3',5,5',6,6'-Octachlorobiphenyl (13C12,99%) (IUPAC# 202)   | [105600-26-8] | 100 |  | ng/mL |
| CS3, IUPAC# 205L | 2,3,3',4,4',5,5',6-Octachlorobiphenyl (13C12,99%) (IUPAC #205)    | [234446-64-1] | 100 |  | ng/mL |
| CS3, IUPAC# 206L | 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (13C12,99%) (IUPAC #206) | [208263-75-6] | 100 |  | ng/mL |
| CS3, IUPAC# 208L | 2,2',3,3',4,5,5',6,6'-N   | [234432-92-9] | 100 |  | ng/mL |

|                  |   |               |     |       |
|------------------|---|---------------|-----|-------|
|                  | onachlorobiphenyl (13C1<br>2,99%) (IUPAC #208)                          |               |     |       |
| CS3, IUPAC# 209L | Decachlorobiphenyl (13C<br>12,99%) (IUPAC #209)                         | [105600-27-9] | 100 | ng/mL |
| CS3, IUPAC# 28L  | 2,4,4'-Trichlorobipheny<br>I (13C12,99%) (IUPAC #2<br>8)                | [208263-76-7] | 100 | ng/mL |
| CS3, IUPAC# 111L | 2,3,3',5,5'-Pentachloro<br>biphenyl (13C12,99%) (I<br>UPAC #111)        | [235416-29-2] | 100 | ng/mL |
| CS3, IUPAC# 178L | 2,2',3,3',5,5',6-Heptac<br>hlorobiphenyl (13C12,99<br>%) (IUPAC #178)   | [232919-67-4] | 100 | ng/mL |
| CS3, IUPAC# 9L   | 2,5-Dichlorobiphenyl (1<br>3C12,99%) (IUPAC #9)                         | [250694-89-4] | 100 | ng/mL |
| CS3, IUPAC# 52L  | 2,2',5,5'-Tetrachlorobi<br>phenyl (13C12,99%) (IUP<br>AC #52)           | [208263-80-3] | 100 | ng/mL |
| CS3, IUPAC# 101L | 2,2',4,5,5'-Pentachloro<br>biphenyl (13C12,99%) (I<br>UPAC #101)        | [104130-39-4] | 100 | ng/mL |
| CS3, IUPAC# 138L | 2,2',3,4,4',5'-Hexachlo<br>robiphenyl (13C12,99%)<br>(IUPAC #138)       | [208263-66-5] | 100 | ng/mL |
| CS3, IUPAC# 194L | 2,2',3,3',4,4',5,5'-Oct<br>achlorobiphenyl (13C12,<br>99%) (IUPAC #194) | [208263-74-5] | 100 | ng/mL |
| CS4, IUPAC# 1    | 2-Monochlorobiphenyl (P<br>CB 1)  | [2051-60-7]   | 400 | ng/mL |
| CS4, IUPAC# 3    | 4-Monochlorobiphenyl (P<br>CB 3)  | [2051-62-9]   | 400 | ng/mL |
| CS4, IUPAC# 4    | 2,2'-Dichlorobiphenyl (<br>PCB 4)                                       | [13029-08-8]  | 400 | ng/mL |
| CS4, IUPAC# 15   | 4,4'-Dichlorobiphenyl (<br>PCB 15)                                      | [2050-68-2]   | 400 | ng/mL |
| CS4, IUPAC# 19   | 2,2',6-Trichlorobipheny<br>I (PCB 19)                                   | [38444-73-4]  | 400 | ng/mL |
| CS4, IUPAC# 37   | 3,4,4'-Trichlorobipheny   | [38444-90-5]  | 400 | ng/mL |

| I (PCB 37)      |  |              |     |       |
|-----------------|--|--------------|-----|-------|
| CS4, IUPAC# 54  | 2,2',6,6'-Tetrachlorobi<br>phenyl (PCB 54)               | [15968-05-5] | 400 | ng/mL |
| CS4, IUPAC# 77  | 3,3',4,4'-Tetrachlorobi<br>phenyl (PCB 77)               | [32598-13-3] | 400 | ng/mL |
| CS4, IUPAC# 81  | 3,4,4',5-Tetrachlorobip<br>henyl (PCB 81)                | [70362-50-4] | 400 | ng/mL |
| CS4, IUPAC# 104 | 2,2',4,6,6'-Pentachloro<br>biphenyl (PCB 104)            | [56558-16-8] | 400 | ng/mL |
| CS4, IUPAC# 105 | 2,3,3',4,4'-Pentachloro<br>biphenyl (PCB 105)            | [32598-14-4] | 400 | ng/mL |
| CS4, IUPAC# 114 | 2,3,4,4',5-Pentachlorob<br>iphenyl (PCB 114)             | [74472-37-0] | 400 | ng/mL |
| CS4, IUPAC# 118 | 2,3',4,4',5-Pentachloro<br>biphenyl (PCB 118)            | [31508-00-6] | 400 | ng/mL |
| CS4, IUPAC# 123 | 2',3,4,4',5-Pentachloro<br>biphenyl (PCB 123)            | [65510-44-3] | 400 | ng/mL |
| CS4, IUPAC# 126 | 3,3',4,4',5-Pentachloro<br>biphenyl (PCB 126)            | [57465-28-8] | 400 | ng/mL |
| CS4, IUPAC# 155 | 2,2',4,4',6,6'-Hexachlo<br>robiphenyl (PCB 155)          | [33979-03-2] | 400 | ng/mL |
| CS4, IUPAC# 156 | 2,3,3',4,4',5-Hexachlor<br>obiphenyl (PCB 156)           | [38380-08-4] | 400 | ng/mL |
| CS4, IUPAC# 157 | 2,3,3',4,4',5'-Hexachlo<br>robiphenyl (PCB 157)          | [69782-90-7] | 400 | ng/mL |
| CS4, IUPAC# 167 | 2,3',4,4',5,5'-Hexachlo<br>robiphenyl (PCB 167)          | [52663-72-6] | 400 | ng/mL |
| CS4, IUPAC# 169 | 3,3',4,4',5,5'-Hexachlo<br>robiphenyl (PCB 169)          | [32774-16-6] | 400 | ng/mL |
| CS4, IUPAC# 188 | 2,2',3,4',5,6,6'-Heptac<br>hlorobiphenyl (PCB 188)       | [74487-85-7] | 400 | ng/mL |
| CS4, IUPAC# 189 | 2,3,3',4,4',5,5'-Heptac<br>hlorobiphenyl (PCB 189)       | [39635-31-9] | 400 | ng/mL |
| CS4, IUPAC# 202 | 2,2',3,3',5,5',6,6'-Oct<br>achlorobiphenyl (PCB 20<br>2) | [2136-99-4]  | 400 | ng/mL |
| CS4, IUPAC# 205 | 2,3,3',4,4',5,5',6-Octa<br>chlorobiphenyl (PCB 205)      | [74472-53-0] | 400 | ng/mL |

|                  |  |               |     |       |
|------------------|--|---------------|-----|-------|
| CS4, IUPAC# 206  | 2,2',3,3',4,4',5,5',6-N<br>onachlorobiphenyl (PCB<br>206)        | [40186-72-9]  | 400 | ng/mL |
| CS4, IUPAC# 208  | 2,2',3,3',4,5,5',6,6'-N<br>onachlorobiphenyl (PCB<br>208)        | [52663-77-1]  | 400 | ng/mL |
| CS4, IUPAC# 209  | 2,2',3,3',4,4',5,5',6,6<br>'-Decachlorobiphenyl (P<br>CB 209)    | [2051-24-3]   | 400 | ng/mL |
| CS4, IUPAC# 1L   | 2-Monochlorobiphenyl (1<br>3C12,99%) (IUPAC #1)                  | [234432-85-0] | 100 | ng/mL |
| CS4, IUPAC# 3L   | 4-Monochlorobiphenyl (1<br>3C12,99%) (IUPAC #3)                  | [208263-77-8] | 100 | ng/mL |
| CS4, IUPAC# 4L   | 2,2'-Dichlorobiphenyl (<br>13C12,99%) (IUPAC #4)                 | [234432-86-1] | 100 | ng/mL |
| CS4, IUPAC# 15L  | 4,4'-Dichlorobiphenyl (<br>13C12,99%) (IUPAC #15)                | [208263-67-6] | 100 | ng/mL |
| CS4, IUPAC# 19L  | 2,2',6-Trichlorobipheny<br>I (13C12,99%) (IUPAC #1<br>9)         | [234432-87-2] | 100 | ng/mL |
| CS4, IUPAC# 37L  | 3,4,4'-Trichlorobipheny<br>I (13C12,99%) (IUPAC #3<br>7)         | [208263-79-0] | 100 | ng/mL |
| CS4, IUPAC# 54L  | 2,2',6,6'-Tetrachlorobi<br>phenyl (13C12,98%) (IUP<br>AC #54)    |               | 100 | ng/mL |
| CS4, IUPAC# 77L  | 3,3',4,4'-Tetrachlorobi<br>phenyl (13C12,99%) (IUP<br>AC #77)    | [105600-23-5] | 100 | ng/mL |
| CS4, IUPAC# 81L  | 3,4,4',5-Tetrachlorobip<br>henyl (13C12,99%) (IUPA<br>C# 81)     | [208461-24-9] | 100 | ng/mL |
| CS4, IUPAC# 104L | 2,2',4,6,6'-Pentachloro<br>biphenyl (13C12,98%) (I<br>UPAC #104) |               | 100 | ng/mL |
| CS4, IUPAC# 105L | 2,3,3',4,4'-Pentachloro<br>biphenyl (13C12,99%) (I               | [208263-62-1] | 100 | ng/mL |

| UPAC #105)       |   |               |     |  |       |
|------------------|---|---------------|-----|--|-------|
| CS4, IUPAC# 114L | 2,3,4,4',5-Pentachlorobiphenyl (13C12,99%) (IUPAC #114)         | [208263-63-2] | 100 |  | ng/mL |
| CS4, IUPAC# 118L | 2,3',4,4',5-Pentachlorobiphenyl (13C12,99%) (IUPAC #118)        | [104130-40-7] | 100 |  | ng/mL |
| CS4, IUPAC# 123L | 2',3,4,4',5-Pentachlorobiphenyl (13C12,99%) (IUPAC #123)        | [208263-64-3] | 100 |  | ng/mL |
| CS4, IUPAC# 126L | 3,3',4,4',5-Pentachlorobiphenyl (13C12,99%) (IUPAC #126)        | [208263-65-4] | 100 |  | ng/mL |
| CS4, IUPAC# 155L | 2,2',4,4',6,6'-Hexachlorobiphenyl (13C12,99%) (IUPAC #155)      | [234432-90-7] | 100 |  | ng/mL |
| CS4, IUPAC# 156L | 2,3,3',4,4',5-Hexachlorobiphenyl (13C12,99%) (IUPAC #156)       | [208263-68-7] | 100 |  | ng/mL |
| CS4, IUPAC# 157L | 2,3,3',4,4',5'-Hexachlorobiphenyl (13C12,99%) (IUPAC #157)      | [235416-30-5] | 100 |  | ng/mL |
| CS4, IUPAC# 167L | 2,3',4,4',5,5'-Hexachlorobiphenyl (13C12,99%) (IUPAC #167)      | [208263-69-8] | 100 |  | ng/mL |
| CS4, IUPAC# 169L | 3,3',4,4',5,5'-Hexachlorobiphenyl (13C12,99%) (IUPAC #169)      | [208263-70-1] | 100 |  | ng/mL |
| CS4, IUPAC# 188L | 2,2',3,4',5,6,6'-Heptachlorobiphenyl (13C12,99%) (IUPAC #188)   | [234432-91-8] | 100 |  | ng/mL |
| CS4, IUPAC# 189L | 2,3,3',4,4',5,5'-Heptachlorobiphenyl (13C12,99%) (IUPAC #189)   | [208263-73-4] | 100 |  | ng/mL |
| CS4, IUPAC# 202L | 2,2',3,3',5,5',6,6'-Octachlorobiphenyl (13C12,99%) (IUPAC# 202) | [105600-26-8] | 100 |  | ng/mL |
| CS4, IUPAC# 205L | 2,3,3',4,4',5,5',6-Octachlorobiphenyl (13C12,99%) (IUPAC# 205)  | [234446-64-1] | 100 |  | ng/mL |



|                  |   |               |      |       |
|------------------|---|---------------|------|-------|
|                  | chlorobiphenyl (13C12,9<br>9%) (IUPAC #205)                               |               |      |       |
| CS4, IUPAC# 206L | 2,2',3,3',4,4',5,5',6-N<br>onachlorobiphenyl (13C1<br>2,99%) (IUPAC #206) | [208263-75-6] | 100  | ng/mL |
| CS4, IUPAC# 208L | 2,2',3,3',4,5,5',6,6'-N<br>onachlorobiphenyl (13C1<br>2,99%) (IUPAC #208) | [234432-92-9] | 100  | ng/mL |
| CS4, IUPAC# 209L | Decachlorobiphenyl (13C<br>12,99%) (IUPAC #209)                           | [105600-27-9] | 100  | ng/mL |
| CS4, IUPAC# 28L  | 2,4,4'-Trichlorobipheny<br>l (13C12,99%) (IUPAC #2<br>8)                  | [208263-76-7] | 100  | ng/mL |
| CS4, IUPAC# 111L | 2,3,3',5,5'-Pentachloro<br>biphenyl (13C12,99%) (I<br>UPAC #111)          | [235416-29-2] | 100  | ng/mL |
| CS4, IUPAC# 178L | 2,2',3,3',5,5',6-Heptac<br>hlorobiphenyl (13C12,99<br>%) (IUPAC #178)     | [232919-67-4] | 100  | ng/mL |
| CS4, IUPAC# 9L   | 2,5-Dichlorobiphenyl (1<br>3C12,99%) (IUPAC #9)                           | [250694-89-4] | 100  | ng/mL |
| CS4, IUPAC# 52L  | 2,2',5,5'-Tetrachlorobi<br>phenyl (13C12,99%) (IUP<br>AC #52)             | [208263-80-3] | 100  | ng/mL |
| CS4, IUPAC# 101L | 2,2',4,5,5'-Pentachloro<br>biphenyl (13C12,99%) (I<br>UPAC #101)          | [104130-39-4] | 100  | ng/mL |
| CS4, IUPAC# 138L | 2,2',3,4,4',5'-Hexachlo<br>robiphenyl (13C12,99%)<br>(IUPAC #138)         | [208263-66-5] | 100  | ng/mL |
| CS4, IUPAC# 194L | 2,2',3,3',4,4',5,5'-Oct<br>achlorobiphenyl (13C12,<br>99%) (IUPAC #194)   | [208263-74-5] | 100  | ng/mL |
| CS5, IUPAC# 1    | 2-Monochlorobiphenyl (P<br>CB 1)  | [2051-60-7]   | 2000 | ng/mL |
| CS5, IUPAC# 3    | 4-Monochlorobiphenyl (P<br>CB 3)  | [2051-62-9]   | 2000 | ng/mL |
| CS5, IUPAC# 4    | 2,2'-Dichlorobiphenyl (   | [13029-08-8]  | 2000 | ng/mL |

|                 |  |              |      |       |
|-----------------|--|--------------|------|-------|
|                 | PCB 4)   |              |      |       |
| CS5, IUPAC# 15  | 4,4'-Dichlorobiphenyl (PCB 15)                 | [2050-68-2]  | 2000 | ng/mL |
| CS5, IUPAC# 19  | 2,2',6-Trichlorobiphenyl (PCB 19)              | [38444-73-4] | 2000 | ng/mL |
| CS5, IUPAC# 37  | 3,4,4'-Trichlorobiphenyl (PCB 37)              | [38444-90-5] | 2000 | ng/mL |
| CS5, IUPAC# 54  | 2,2',6,6'-Tetrachlorobiphenyl (PCB 54)         | [15968-05-5] | 2000 | ng/mL |
| CS5, IUPAC# 77  | 3,3',4,4'-Tetrachlorobiphenyl (PCB 77)         | [32598-13-3] | 2000 | ng/mL |
| CS5, IUPAC# 81  | 3,4,4',5-Tetrachlorobiphenyl (PCB 81)          | [70362-50-4] | 2000 | ng/mL |
| CS5, IUPAC# 104 | 2,2',4,6,6'-Pentachlorobiphenyl (PCB 104)      | [56558-16-8] | 2000 | ng/mL |
| CS5, IUPAC# 105 | 2,3,3',4,4'-Pentachlorobiphenyl (PCB 105)      | [32598-14-4] | 2000 | ng/mL |
| CS5, IUPAC# 114 | 2,3,4,4',5-Pentachlorobiphenyl (PCB 114)       | [74472-37-0] | 2000 | ng/mL |
| CS5, IUPAC# 118 | 2,3',4,4',5-Pentachlorobiphenyl (PCB 118)      | [31508-00-6] | 2000 | ng/mL |
| CS5, IUPAC# 123 | 2',3,4,4',5-Pentachlorobiphenyl (PCB 123)      | [65510-44-3] | 2000 | ng/mL |
| CS5, IUPAC# 126 | 3,3',4,4',5-Pentachlorobiphenyl (PCB 126)      | [57465-28-8] | 2000 | ng/mL |
| CS5, IUPAC# 155 | 2,2',4,4',6,6'-Hexachlorobiphenyl (PCB 155)    | [33979-03-2] | 2000 | ng/mL |
| CS5, IUPAC# 156 | 2,3,3',4,4',5-Hexachlorobiphenyl (PCB 156)     | [38380-08-4] | 2000 | ng/mL |
| CS5, IUPAC# 157 | 2,3,3',4,4',5'-Hexachlorobiphenyl (PCB 157)    | [69782-90-7] | 2000 | ng/mL |
| CS5, IUPAC# 167 | 2,3',4,4',5,5'-Hexachlorobiphenyl (PCB 167)    | [52663-72-6] | 2000 | ng/mL |
| CS5, IUPAC# 169 | 3,3',4,4',5,5'-Hexachlorobiphenyl (PCB 169)    | [32774-16-6] | 2000 | ng/mL |
| CS5, IUPAC# 188 | 2,2',3,4',5,6,6'-Heptachlorobiphenyl (PCB 188) | [74487-85-7] | 2000 | ng/mL |
| CS5, IUPAC# 189 | 2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB 189) | [39635-31-9] | 2000 | ng/mL |

|                 |   |               |      |  |       |
|-----------------|---|---------------|------|--|-------|
|                 | chlorobiphenyl (PCB 189)                              |               |      |  |       |
| CS5, IUPAC# 202 | 2,2',3,3',5,5',6,6'-Octachlorobiphenyl (PCB 202)      | [2136-99-4]   | 2000 |  | ng/mL |
| CS5, IUPAC# 205 | 2,3,3',4,4',5,5',6-Octachlorobiphenyl (PCB 205)       | [74472-53-0]  | 2000 |  | ng/mL |
| CS5, IUPAC# 206 | 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (PCB 206)    | [40186-72-9]  | 2000 |  | ng/mL |
| CS5, IUPAC# 208 | 2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl (PCB 208)    | [52663-77-1]  | 2000 |  | ng/mL |
| CS5, IUPAC# 209 | 2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl (PCB 209) | [2051-24-3]   | 2000 |  | ng/mL |
| CS5, IUPAC# 1L  | 2-Monochlorobiphenyl (13C12,99%) (IUPAC #1)           | [234432-85-0] | 100  |  | ng/mL |
| CS5, IUPAC# 3L  | 4-Monochlorobiphenyl (13C12,99%) (IUPAC #3)           | [208263-77-8] | 100  |  | ng/mL |
| CS5, IUPAC# 4L  | 2,2'-Dichlorobiphenyl (13C12,99%) (IUPAC #4)          | [234432-86-1] | 100  |  | ng/mL |
| CS5, IUPAC# 15L | 4,4'-Dichlorobiphenyl (13C12,99%) (IUPAC #15)         | [208263-67-6] | 100  |  | ng/mL |
| CS5, IUPAC# 19L | 2,2',6-Trichlorobiphenyl (13C12,99%) (IUPAC #19)      | [234432-87-2] | 100  |  | ng/mL |
| CS5, IUPAC# 37L | 3,4,4'-Trichlorobiphenyl (13C12,99%) (IUPAC #37)      | [208263-79-0] | 100  |  | ng/mL |
| CS5, IUPAC# 54L | 2,2',6,6'-Tetrachlorobiphenyl (13C12,98%) (IUPAC #54) |               | 100  |  | ng/mL |
| CS5, IUPAC# 77L | 3,3',4,4'-Tetrachlorobiphenyl (13C12,99%) (IUPAC #77) | [105600-23-5] | 100  |  | ng/mL |
| CS5, IUPAC# 81L | 3,4,4',5-Tetrachlorobiphenyl (13C12,99%) (IUPAC #81)  | [208461-24-9] | 100  |  | ng/mL |

| C# 81)           |   |               |     |       |
|------------------|---|---------------|-----|-------|
| CS5, IUPAC# 104L | 2,2',4,6,6'-Pentachloro biphenyl (13C12,98%) (IUPAC #104)     |               | 100 | ng/mL |
| CS5, IUPAC# 105L | 2,3,3',4,4'-Pentachloro biphenyl (13C12,99%) (IUPAC #105)     | [208263-62-1] | 100 | ng/mL |
| CS5, IUPAC# 114L | 2,3,4,4',5-Pentachlorobiphenyl (13C12,99%) (IUPAC #114)       | [208263-63-2] | 100 | ng/mL |
| CS5, IUPAC# 118L | 2,3',4,4',5-Pentachloro biphenyl (13C12,99%) (IUPAC #118)     | [104130-40-7] | 100 | ng/mL |
| CS5, IUPAC# 123L | 2',3,4,4',5-Pentachloro biphenyl (13C12,99%) (IUPAC #123)     | [208263-64-3] | 100 | ng/mL |
| CS5, IUPAC# 126L | 3,3',4,4',5-Pentachloro biphenyl (13C12,99%) (IUPAC #126)     | [208263-65-4] | 100 | ng/mL |
| CS5, IUPAC# 155L | 2,2',4,4',6,6'-Hexachlorobiphenyl (13C12,99%) (IUPAC #155)    | [234432-90-7] | 100 | ng/mL |
| CS5, IUPAC# 156L | 2,3,3',4,4',5-Hexachlorobiphenyl (13C12,99%) (IUPAC #156)     | [208263-68-7] | 100 | ng/mL |
| CS5, IUPAC# 157L | 2,3,3',4,4',5'-Hexachlorobiphenyl (13C12,99%) (IUPAC #157)    | [235416-30-5] | 100 | ng/mL |
| CS5, IUPAC# 167L | 2,3',4,4',5,5'-Hexachlorobiphenyl (13C12,99%) (IUPAC #167)    | [208263-69-8] | 100 | ng/mL |
| CS5, IUPAC# 169L | 3,3',4,4',5,5'-Hexachlorobiphenyl (13C12,99%) (IUPAC #169)    | [208263-70-1] | 100 | ng/mL |
| CS5, IUPAC# 188L | 2,2',3,4',5,6,6'-Heptachlorobiphenyl (13C12,99%) (IUPAC #188) | [234432-91-8] | 100 | ng/mL |
| CS5, IUPAC# 189L | 2,3,3',4,4',5,5'-Heptachlorobiphenyl (13C12,99%) (IUPAC #189) | [208263-73-4] | 100 | ng/mL |

|                  |   |               |     |       |
|------------------|---|---------------|-----|-------|
|                  | hlorobiphenyl (13C12,99%) (IUPAC #189)                            |               |     |       |
| CS5, IUPAC# 202L | 2,2',3,3',5,5',6,6'-Octachlorobiphenyl (13C12,99%) (IUPAC# 202)   | [105600-26-8] | 100 | ng/mL |
| CS5, IUPAC# 205L | 2,3,3',4,4',5,5',6-Octachlorobiphenyl (13C12,9%) (IUPAC #205)     | [234446-64-1] | 100 | ng/mL |
| CS5, IUPAC# 206L | 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (13C12,99%) (IUPAC #206) | [208263-75-6] | 100 | ng/mL |
| CS5, IUPAC# 208L | 2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl (13C12,99%) (IUPAC #208) | [234432-92-9] | 100 | ng/mL |
| CS5, IUPAC# 209L | Decachlorobiphenyl (13C12,99%) (IUPAC #209)                       | [105600-27-9] | 100 | ng/mL |
| CS5, IUPAC# 28L  | 2,4,4'-Trichlorobiphenyl I (13C12,99%) (IUPAC #28)                | [208263-76-7] | 100 | ng/mL |
| CS5, IUPAC# 111L | 2,3,3',5,5'-Pentachlorobiphenyl (13C12,99%) (IUPAC #111)          | [235416-29-2] | 100 | ng/mL |
| CS5, IUPAC# 178L | 2,2',3,3',5,5',6-Heptachlorobiphenyl (13C12,99%) (IUPAC #178)     | [232919-67-4] | 100 | ng/mL |
| CS5, IUPAC# 9L   | 2,5-Dichlorobiphenyl (13C12,99%) (IUPAC #9)                       | [250694-89-4] | 100 | ng/mL |
| CS5, IUPAC# 52L  | 2,2',5,5'-Tetrachlorobiphenyl (13C12,99%) (IUPAC #52)             | [208263-80-3] | 100 | ng/mL |
| CS5, IUPAC# 101L | 2,2',4,5,5'-Pentachlorobiphenyl (13C12,99%) (IUPAC #101)          | [104130-39-4] | 100 | ng/mL |
| CS5, IUPAC# 138L | 2,2',3,4,4',5'-Hexachlorobiphenyl (13C12,99%) (IUPAC #138)        | [208263-66-5] | 100 | ng/mL |
| CS5, IUPAC# 194L | 2,2',3,3',4,4',5,5'-Octachlorobiphenyl (13C12,99%) (IUPAC #194)   | [208263-74-5] | 100 | ng/mL |

99%) (IUPAC #194)