



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

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ENVIRONMENTAL

Valid To: September 30, 2027

Certificate Number: 3091.01

In recognition of the successful completion of the A2LA evaluation process, (including an assessment of the laboratory's compliance with the requirements of the Department of Defense Environmental Laboratory Accreditation Program (DoD ELAP) as detailed in version 6.0 of the DoD/DOE Quality Systems Manual for Environmental Laboratories), accreditation is granted to this laboratory to perform recognized EPA methods using the following testing technologies and in the analyte categories identified below:

Testing Technologies: High Resolution Gas Chromatography / Mass Spectrometry, Liquid Chromatography Mass Spectrometry / Mass Spectrometry

| Parameter/Analyte                         | Non-Potable Water           | Solid Hazardous Waste<br>(Liquids and Solids) | Biological Tissue           |
|-------------------------------------------|-----------------------------|-----------------------------------------------|-----------------------------|
| <b><u>Dioxins/Furans</u></b>              |                             |                                               |                             |
| Clean Up Method                           | EPA 3620C                   | EPA 3620C                                     | EPA 3620C                   |
| 1,2,3,4,6,7,8-Heptachlorodibenzofuran     | EPA 1613B<br>EPA 8290/8290A | EPA 1613B<br>EPA 8290/8290A                   | EPA 1613B<br>EPA 8290/8290A |
| 1,2,3,4,7,8,9-Heptachlorodibenzofuran     | EPA 1613B<br>EPA 8290/8290A | EPA 1613B<br>EPA 8290/8290A                   | EPA 1613B<br>EPA 8290/8290A |
| 1,2,3,4,7,8-Hexachlorodibenzofuran        | EPA 1613B<br>EPA 8290/8290A | EPA 1613B<br>EPA 8290/8290A                   | EPA 1613B<br>EPA 8290/8290A |
| 1,2,3,6,7,8-Hexachlorodibenzofuran        | EPA 1613B<br>EPA 8290/8290A | EPA 1613B<br>EPA 8290/8290A                   | EPA 1613B<br>EPA 8290/8290A |
| 1,2,3,7,8,9-Hexachlorodibenzofuran        | EPA 1613B<br>EPA 8290/8290A | EPA 1613B<br>EPA 8290/8290A                   | EPA 1613B<br>EPA 8290/8290A |
| 2,3,4,6,7,8-Hexachlorodibenzofuran        | EPA 1613B<br>EPA 8290/8290A | EPA 1613B<br>EPA 8290/8290A                   | EPA 1613B<br>EPA 8290/8290A |
| 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin    | EPA 1613B<br>EPA 8290/8290A | EPA 1613B<br>EPA 8290/8290A                   | EPA 1613B<br>EPA 8290/8290A |
| 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin    | EPA 1613B<br>EPA 8290/8290A | EPA 1613B<br>EPA 8290/8290A                   | EPA 1613B<br>EPA 8290/8290A |
| 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin    | EPA 1613B<br>EPA 8290/8290A | EPA 1613B<br>EPA 8290/8290A                   | EPA 1613B<br>EPA 8290/8290A |
| 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin | EPA 1613B<br>EPA 8290/8290A | EPA 1613B<br>EPA 8290/8290A                   | EPA 1613B<br>EPA 8290/8290A |
| 1,2,3,4,6,7,8,9-Octachlorodibenzofuran    | EPA 1613B<br>EPA 8290/8290A | EPA 1613B<br>EPA 8290/8290A                   | EPA 1613B<br>EPA 8290/8290A |

| Parameter/Analyte                          | Non-Potable Water           | Solid Hazardous Waste<br>(Liquids and Solids) | Biological Tissue           |
|--------------------------------------------|-----------------------------|-----------------------------------------------|-----------------------------|
| 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin | EPA 1613B<br>EPA 8290/8290A | EPA 1613B<br>EPA 8290/8290A                   | EPA 1613B<br>EPA 8290/8290A |
| 1,2,3,7,8-Pentachlorodibenzofuran          | EPA 1613B<br>EPA 8290/8290A | EPA 1613B<br>EPA 8290/8290A                   | EPA 1613B<br>EPA 8290/8290A |
| 2,3,4,7,8-Pentachlorodibenzofuran          | EPA 1613B<br>EPA 8290/8290A | EPA 1613B<br>EPA 8290/8290A                   | EPA 1613B<br>EPA 8290/8290A |
| 1,2,3,7,8-Pentachlorodibenzo-p-dioxin      | EPA 1613B<br>EPA 8290/8290A | EPA 1613B<br>EPA 8290/8290A                   | EPA 1613B<br>EPA 8290/8290A |
| 2,3,7,8-Tetrachlorodibenzofuran            | EPA 1613B<br>EPA 8290/8290A | EPA 1613B<br>EPA 8290/8290A                   | EPA 1613B<br>EPA 8290/8290A |
| 2,3,7,8-Tetrachlorodibenzo-p-dioxin        | EPA 1613B<br>EPA 8290/8290A | EPA 1613B<br>EPA 8290/8290A                   | EPA 1613B<br>EPA 8290/8290A |
| Total Heptachlorodibenzofuran              | EPA 1613B<br>EPA 8290/8290A | EPA 1613B<br>EPA 8290/8290A                   | EPA 1613B<br>EPA 8290/8290A |
| Total Heptachlorodibenzo-p-dioxin          | EPA 1613B<br>EPA 8290/8290A | EPA 1613B<br>EPA 8290/8290A                   | EPA 1613B<br>EPA 8290/8290A |
| Total Hexachlorodibenzofuran               | EPA 1613B<br>EPA 8290/8290A | EPA 1613B<br>EPA 8290/8290A                   | EPA 1613B<br>EPA 8290/8290A |
| Total Hexachlorodibenzo-p-dioxin           | EPA 1613B<br>EPA 8290/8290A | EPA 1613B<br>EPA 8290/8290A                   | EPA 1613B<br>EPA 8290/8290A |
| Total Pentachlorodibenzofuran              | EPA 1613B<br>EPA 8290/8290A | EPA 1613B<br>EPA 8290/8290A                   | EPA 1613B<br>EPA 8290/8290A |
| Total Pentachlorodibenzo-p-dioxin          | EPA 1613B<br>EPA 8290/8290A | EPA 1613B<br>EPA 8290/8290A                   | EPA 1613B<br>EPA 8290/8290A |
| Total Tetrachlorodibenzofuran              | EPA 1613B<br>EPA 8290/8290A | EPA 1613B<br>EPA 8290/8290A                   | EPA 1613B<br>EPA 8290/8290A |
| Total Tetrachlorodibenzo-p-dioxin          | EPA 1613B<br>EPA 8290/8290A | EPA 1613B<br>EPA 8290/8290A                   | EPA 1613B<br>EPA 8290/8290A |
| <b>PCBs</b>                                |                             |                                               |                             |
| 2-Chlorobiphenyl (1)                       | EPA 1668A/1668C             | EPA 1668A/1668C                               | EPA 1668A/1668C             |
| 3-Chlorobiphenyl (2)                       | EPA 1668A/1668C             | EPA 1668A/1668C                               | EPA 1668A/1668C             |
| 4-Chlorobiphenyl (3)                       | EPA 1668A/1668C             | EPA 1668A/1668C                               | EPA 1668A/1668C             |
| 2,2'-Dichlorobiphenyl (4)                  | EPA 1668A/1668C             | EPA 1668A/1668C                               | EPA 1668A/1668C             |
| 2,3-Dichlorobiphenyl (5)                   | EPA 1668A/1668C             | EPA 1668A/1668C                               | EPA 1668A/1668C             |
| 2,3'-Dichlorobiphenyl (6)                  | EPA 1668A/1668C             | EPA 1668A/1668C                               | EPA 1668A/1668C             |
| 2,4-Dichlorobiphenyl (7)                   | EPA 1668A/1668C             | EPA 1668A/1668C                               | EPA 1668A/1668C             |
| 2,4'-Dichlorobiphenyl (8)                  | EPA 1668A/1668C             | EPA 1668A/1668C                               | EPA 1668A/1668C             |
| 2,5-Dichlorobiphenyl (9)                   | EPA 1668A/1668C             | EPA 1668A/1668C                               | EPA 1668A/1668C             |
| 2,6-Dichlorobiphenyl (10)                  | EPA 1668A/1668C             | EPA 1668A/1668C                               | EPA 1668A/1668C             |
| 3,3'-Dichlorobiphenyl (11)                 | EPA 1668A/1668C             | EPA 1668A/1668C                               | EPA 1668A/1668C             |
| 3,4-Dichlorobiphenyl (12)                  | EPA 1668A/1668C             | EPA 1668A/1668C                               | EPA 1668A/1668C             |
| 3,4'-Dichlorobiphenyl (13)                 | EPA 1668A/1668C             | EPA 1668A/1668C                               | EPA 1668A/1668C             |
| 3,5-Dichlorobiphenyl (14)                  | EPA 1668A/1668C             | EPA 1668A/1668C                               | EPA 1668A/1668C             |
| 4,4'-Dichlorobiphenyl (15)                 | EPA 1668A/1668C             | EPA 1668A/1668C                               | EPA 1668A/1668C             |
| 2,2',3-Trichlorobiphenyl (16)              | EPA 1668A/1668C             | EPA 1668A/1668C                               | EPA 1668A/1668C             |
| 2,2',4-Trichlorobiphenyl (17)              | EPA 1668A/1668C             | EPA 1668A/1668C                               | EPA 1668A/1668C             |
| 2,2',5-Trichlorobiphenyl (18)              | EPA 1668A/1668C             | EPA 1668A/1668C                               | EPA 1668A/1668C             |
| 2,2',6-Trichlorobiphenyl (19)              | EPA 1668A/1668C             | EPA 1668A/1668C                               | EPA 1668A/1668C             |

| Parameter/Analyte                  | Non-Potable Water | Solid Hazardous Waste<br>(Liquids and Solids) | Biological Tissue |
|------------------------------------|-------------------|-----------------------------------------------|-------------------|
| 2,3,3'-Trichlorobiphenyl (20)      | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3,4-Trichlorobiphenyl (21)       | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3,4'-Trichlorobiphenyl (22)      | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3,5-Trichlorobiphenyl (23)       | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3,6-Trichlorobiphenyl (24)       | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3',4-Trichlorobiphenyl (25)      | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3',5-Trichlorobiphenyl (26)      | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3',6-Trichlorobiphenyl (27)      | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,4,4'-Trichlorobiphenyl (28)      | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,4,5-Trichlorobiphenyl (29)       | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,4,6-Trichlorobiphenyl (30)       | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,4',5-Trichlorobiphenyl (31)      | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,4',6-Trichlorobiphenyl (32)      | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2',3,4-Trichlorobiphenyl (33)      | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2',3,5-Trichlorobiphenyl (34)      | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 3,3',4-Trichlorobiphenyl (35)      | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 3,3',5-Trichlorobiphenyl (36)      | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 3,4,4'-Trichlorobiphenyl (37)      | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 3,4,5-Trichlorobiphenyl (38)       | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 3,4',5-Trichlorobiphenyl (39)      | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,3'-Tetrachlorobiphenyl (40) | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,4-Tetrachlorobiphenyl (41)  | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,4'-Tetrachlorobiphenyl (42) | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,5-Tetrachlorobiphenyl (43)  | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,5'-Tetrachlorobiphenyl (44) | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,6-Tetrachlorobiphenyl (45)  | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,6'-Tetrachlorobiphenyl (46) | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',4,4'-Tetrachlorobiphenyl (47) | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',4,5-Tetrachlorobiphenyl (48)  | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',4,5'-Tetrachlorobiphenyl (49) | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',4,6-Tetrachlorobiphenyl (50)  | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',4,6'-Tetrachlorobiphenyl (51) | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',5,5'-Tetrachlorobiphenyl (52) | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',5,6'-Tetrachlorobiphenyl (53) | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',6,6'-Tetrachlorobiphenyl (54) | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3,3',4'-Tetrachlorobiphenyl (55) | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3,3',4'-Tetrachlorobiphenyl (56) | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3,3',5-Tetrachlorobiphenyl (57)  | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3,3',5'-Tetrachlorobiphenyl (58) | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3,3',6-Tetrachlorobiphenyl (59)  | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3,4,4'-Tetrachlorobiphenyl (60)  | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3,4,5-Tetrachlorobiphenyl (61)   | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3,4,6-Tetrachlorobiphenyl (62)   | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3,4',5-Tetrachlorobiphenyl (63)  | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3,4',6-Tetrachlorobiphenyl (64)  | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3,5,6-Tetrachlorobiphenyl (65)   | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3',4,4'-Tetrachlorobiphenyl (66) | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3',4,5-Tetrachlorobiphenyl (67)  | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |

| Parameter/Analyte                     | Non-Potable Water | Solid Hazardous Waste<br>(Liquids and Solids) | Biological Tissue |
|---------------------------------------|-------------------|-----------------------------------------------|-------------------|
| 2,3',4,5'-Tetrachlorobiphenyl (68)    | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3',4,6-Tetrachlorobiphenyl (69)     | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3',4',5-Tetrachlorobiphenyl (70)    | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3',4',6-Tetrachlorobiphenyl (71)    | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3',5,5'-Tetrachlorobiphenyl (72)    | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3',5',6-Tetrachlorobiphenyl (73)    | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,4,4',5-Tetrachlorobiphenyl (74)     | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,4,4',6-Tetrachlorobiphenyl (75)     | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2',3,4,5-Tetrachlorobiphenyl (76)     | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 3,3',4,4'-Tetrachlorobiphenyl (77)    | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 3,3',4,5-Tetrachlorobiphenyl (78)     | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 3,3',4,5'-Tetrachlorobiphenyl (79)    | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 3,3',5,5'-Tetrachlorobiphenyl (80)    | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 3,4,4',5-Tetrachlorobiphenyl (81)     | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,3',4-Pentachlorobiphenyl (82)  | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,3',5-Pentachlorobiphenyl (83)  | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,3',6-Pentachlorobiphenyl (84)  | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,4,4'-Pentachlorobiphenyl (85)  | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,4,5-Pentachlorobiphenyl (86)   | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,4,5'-Pentachlorobiphenyl (87)  | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,4,6-Pentachlorobiphenyl (88)   | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,4,6'-Pentachlorobiphenyl (89)  | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,4',5-Pentachlorobiphenyl (90)  | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,4',6-Pentachlorobiphenyl (91)  | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,5,5'-Pentachlorobiphenyl (92)  | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,5,6-Pentachlorobiphenyl (93)   | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,5,6'-Pentachlorobiphenyl (94)  | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,5',6-Pentachlorobiphenyl (95)  | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,6,6'-Pentachlorobiphenyl (96)  | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3',4,5-Pentachlorobiphenyl (97)  | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3',4,6-Pentachlorobiphenyl (98)  | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',4,4',5-Pentachlorobiphenyl (99)  | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',4,4',6-Pentachlorobiphenyl (100) | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',4,5,5'-Pentachlorobiphenyl (101) | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',4,5,6'-Pentachlorobiphenyl (102) | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',4,5',6-Pentachlorobiphenyl (103) | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',4,6,6'-Pentachlorobiphenyl (104) | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3,3',4,4'-Pentachlorobiphenyl (105) | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3,3',4,5-Pentachlorobiphenyl (106)  | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3,3',4',5-Pentachlorobiphenyl (107) | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3,3',4,5'-Pentachlorobiphenyl (108) | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3,3',4,6-Pentachlorobiphenyl (109)  | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3,3',4',6-Pentachlorobiphenyl (110) | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3,3',5,5'-Pentachlorobiphenyl (111) | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3,3',5,6-Pentachlorobiphenyl (112)  | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3,3',5',6-Pentachlorobiphenyl (113) | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3,4,4',5-Pentachlorobiphenyl (114)  | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3,4,4',6-Pentachlorobiphenyl (115)  | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |

| Parameter/Analyte                       | Non-Potable Water | Solid Hazardous Waste<br>(Liquids and Solids) | Biological Tissue |
|-----------------------------------------|-------------------|-----------------------------------------------|-------------------|
| 2,3,4,5,6-Pentachlorobiphenyl (116)     | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3,4',5,6-Pentachlorobiphenyl (117)    | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3',4,4',5-Pentachlorobiphenyl (118)   | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3',4,4',6-Pentachlorobiphenyl (119)   | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3',4,5,5'-Pentachlorobiphenyl (120)   | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3',4,5',6-Pentachlorobiphenyl (121)   | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2',3,3',4,5-Pentachlorobiphenyl (122)   | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2',3,4,4',5-Pentachlorobiphenyl (123)   | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2',3,4,5,5'-Pentachlorobiphenyl (124)   | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2',3,4,5,6'-Pentachlorobiphenyl (125)   | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 3,3',4,4',5-Pentachlorobiphenyl (126)   | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 3,3',4,5,5'-Pentachlorobiphenyl (127)   | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,3',4,4'-Hexachlorobiphenyl (128) | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,3',4,5-Hexachlorobiphenyl (129)  | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,3',4,5'-Hexachlorobiphenyl (130) | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,3',4,6-Hexachlorobiphenyl (131)  | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,3',4,6'-Hexachlorobiphenyl (132) | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,3',5,5'-Hexachlorobiphenyl (133) | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,3',5,6-Hexachlorobiphenyl (134)  | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,3',5,6'-Hexachlorobiphenyl (135) | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,3',6,6'-Hexachlorobiphenyl (136) | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,4,4',5-Hexachlorobiphenyl (137)  | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,4,4',5'-Hexachlorobiphenyl (138) | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,4,4',6-Hexachlorobiphenyl (139)  | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,4,4',6'-Hexachlorobiphenyl (140) | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,4,5,5'-Hexachlorobiphenyl (141)  | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,4,5,6-Hexachlorobiphenyl (142)   | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,4,5,6'-Hexachlorobiphenyl (143)  | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,4,5',6-Hexachlorobiphenyl (144)  | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,4,6,6'-Hexachlorobiphenyl (145)  | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,4',5,5'-Hexachlorobiphenyl (146) | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,4',5,6-Hexachlorobiphenyl (147)  | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,4',5,6'-Hexachlorobiphenyl (148) | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,4',5',6-Hexachlorobiphenyl (149) | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,4',6,6'-Hexachlorobiphenyl (150) | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,5,5',6-Hexachlorobiphenyl (151)  | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,5,6,6'-Hexachlorobiphenyl (152)  | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',4,4',5,5'-Hexachlorobiphenyl (153) | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',4,4',5',6-Hexachlorobiphenyl (154) | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',4,4',6,6'-Hexachlorobiphenyl (155) | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3,3',4,4',5-Hexachlorobiphenyl (156)  | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3,3',4,4',5'-Hexachlorobiphenyl (157) | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3,3',4,4',6-Hexachlorobiphenyl (158)  | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3,3',4,5,5'-Hexachlorobiphenyl (159)  | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3,3',4,5,6-Hexachlorobiphenyl (160)   | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3,3',4,5',6-Hexachlorobiphenyl (161)  | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3,3',4',5,5'-Hexachlorobiphenyl (162) | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3,3',4',5,6-Hexachlorobiphenyl (163)  | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |

| Parameter/Analyte                              | Non-Potable Water | Solid Hazardous Waste<br>(Liquids and Solids) | Biological Tissue |
|------------------------------------------------|-------------------|-----------------------------------------------|-------------------|
| 2,3,3',4',5',6-Hexachlorobiphenyl (164)        | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3,3',5,5',6-Hexachlorobiphenyl (165)         | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3,4,4',5,6-Hexachlorobiphenyl (166)          | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3',4,4',5,5'-Hexachlorobiphenyl (167)        | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3',4,4',5',6-Hexachlorobiphenyl (168)        | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 3,3',4,4',5,5'-Hexachlorobiphenyl (169)        | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,3',4,4',5-Heptachlorobiphenyl (170)     | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,3',4,4',6-Heptachlorobiphenyl (171)     | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,3',4,5,5'-Heptachlorobiphenyl (172)     | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,3',4,5,6-Heptachlorobiphenyl (173)      | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,3',4,5,6'-Heptachlorobiphenyl (174)     | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,3',4,5',6-Heptachlorobiphenyl (175)     | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,3',4,6,6'-Heptachlorobiphenyl (176)     | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,3',4',5,6-Heptachlorobiphenyl (177)     | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,3',5,5',6-Heptachlorobiphenyl (178)     | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,3',5,6,6'-Heptachlorobiphenyl (179)     | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,4,4',5,5'-Heptachlorobiphenyl (180)     | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,4,4',5,6-Heptachlorobiphenyl (181)      | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,4,4',5,6'-Heptachlorobiphenyl (182)     | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,4,4',5',6-Heptachlorobiphenyl (183)     | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,4,4',6,6'-Heptachlorobiphenyl (184)     | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,4,5,5',6-Heptachlorobiphenyl (185)      | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,4,5,6,6'-Heptachlorobiphenyl (186)      | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,4',5,5',6-Heptachlorobiphenyl (187)     | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,4',5,6,6'-Heptachlorobiphenyl (188)     | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3,3',4,4',5,5'-Heptachlorobiphenyl (189)     | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3,3',4,4',5,6-Heptachlorobiphenyl (190)      | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3,3',4,4',5',6-Heptachlorobiphenyl (191)     | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3,3',4,5,5',6-Heptachlorobiphenyl (192)      | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3,3',4',5,5',6-Heptachlorobiphenyl (193)     | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,3',4,4',5,5'-Octachlorobiphenyl (194)   | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,3',4,4',5,6-Octachlorobiphenyl (195)    | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,3',4,4',5,6'-Octachlorobiphenyl (196)   | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,3',4,4',6,6'-Octachlorobiphenyl (197)   | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,3',4,5,5',6-Octachlorobiphenyl (198)    | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,3',4,5,5',6'-Octachlorobiphenyl (199)   | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,3',4,5,6,6'-Octachlorobiphenyl (200)    | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,3',4,5',6,6'-Octachlorobiphenyl (201)   | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,3',5,5',6,6'-Octachlorobiphenyl (202)   | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,4,4',5,5',6-Octachlorobiphenyl (203)    | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,4,4',5,6,6'-Octachlorobiphenyl (204)    | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,3,3',4,4',5,5',6-Octachlorobiphenyl (205)    | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (206) | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl (207) | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |
| 2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl (208) | EPA 1668A/1668C   | EPA 1668A/1668C                               | EPA 1668A/1668C   |

| <b>Parameter/Analyte</b>   | <b>Non-Potable Water</b> | <b>Solid Hazardous Waste<br/>(Liquids and Solids)</b> | <b>Biological Tissue</b> |
|----------------------------|--------------------------|-------------------------------------------------------|--------------------------|
| Decachlorobiphenyl (209)   | EPA 1668A/1668C          | EPA 1668A/1668C                                       | EPA 1668A/1668C          |
| Decachlorobiphenyl, Total  | EPA 1668A/1668C          | EPA 1668A/1668C                                       | EPA 1668A/1668C          |
| Dichlorobiphenyl, Total    | EPA 1668A/1668C          | EPA 1668A/1668C                                       | EPA 1668A/1668C          |
| Heptachlorobiphenyl, Total | EPA 1668A/1668C          | EPA 1668A/1668C                                       | EPA 1668A/1668C          |
| Hexachlorobiphenyl, Total  | EPA 1668A/1668C          | EPA 1668A/1668C                                       | EPA 1668A/1668C          |
| Monochlorobiphenyl, Total  | EPA 1668A/1668C          | EPA 1668A/1668C                                       | EPA 1668A/1668C          |
| Nonachlorobiphenyl, Total  | EPA 1668A/1668C          | EPA 1668A/1668C                                       | EPA 1668A/1668C          |
| Octachlorobiphenyl, Total  | EPA 1668A/1668C          | EPA 1668A/1668C                                       | EPA 1668A/1668C          |
| Pentachlorobiphenyl, Total | EPA 1668A/1668C          | EPA 1668A/1668C                                       | EPA 1668A/1668C          |
| Tetrachlorobiphenyl, Total | EPA 1668A/1668C          | EPA 1668A/1668C                                       | EPA 1668A/1668C          |
| Trichlorobiphenyl, Total   | EPA 1668A/1668C          | EPA 1668A/1668C                                       | EPA 1668A/1668C          |

| <b><u>Parameter/Analyte</u></b>                                                     | <b><u>Potable Water</u></b> | <b><u>Non-Potable Water</u></b>                                          | <b><u>Solid Hazardous Waste<br/>(Liquids and Solids)</u></b>             | <b><u>Biological Tissue</u></b> |
|-------------------------------------------------------------------------------------|-----------------------------|--------------------------------------------------------------------------|--------------------------------------------------------------------------|---------------------------------|
| <b><u>Per-and Polyfluoroalkyl Substances (PFAS)</u></b>                             |                             |                                                                          |                                                                          |                                 |
| 1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2 FTS)<br>(CAS# 27619-97-2)          | EPA 533                     | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | EPA 1633/1633A                  |
| 1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2 FTS)<br>(CAS# 39108-34-4)          | EPA 533                     | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | EPA 1633/1633A                  |
| N-ethyl<br>perfluorooctanesulfonamidoacetic<br>acid (NEtFOSAA)<br>(CAS# 2991-50-6)  | EPA 537.1<br>Rev2           | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | EPA 1633/1633A                  |
| N-ethyl<br>perfluorooctanesulfonamide<br>(NEtFOSA)<br>(CAS# 4151-50-2)              | -----                       | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | EPA 1633/1633A                  |
| N-ethyl<br>perfluorooctanesulfonamidoethanol<br>(NEtFOSE)<br>(CAS# 1691-99-2)       | -----                       | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | EPA 1633/1633A                  |
| N-methyl<br>perfluorooctanesulfonamidoacetic<br>acid (NMeFOSAA)<br>(CAS# 2355-31-9) | EPA 537.1<br>Rev2           | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | EPA 1633/1633A                  |
| N-methyl<br>perfluorooctanesulfonamide<br>(NMeFOSA)<br>(CAS# 31506-32-8)            | -----                       | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | EPA 1633/1633A                  |

| <b><u>Parameter/Analyte</u></b>                                        | <b><u>Potable Water</u></b>  | <b><u>Non-Potable Water</u></b>                                          | <b><u>Solid Hazardous Waste (Liquids and Solids)</u></b>                 | <b><u>Biological Tissue</u></b> |
|------------------------------------------------------------------------|------------------------------|--------------------------------------------------------------------------|--------------------------------------------------------------------------|---------------------------------|
| N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE) (CAS# 24448-09-7) | -----                        | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | EPA 1633/1633A                  |
| Perfluorobutanesulfonic acid (PFBS) (CAS# 375-73-5)                    | EPA 537.1<br>Rev2<br>EPA 533 | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | EPA 1633/1633A                  |
| Perfluorobutanoic acid (PFBA) (CAS# 375-22-4)                          | EPA 533                      | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | EPA 1633/1633A                  |
| Perfluorodecanesulfonate (PFDS) (CAS# 335-77-3)                        | -----                        | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | EPA 1633/1633A                  |
| Perfluorodecanoic acid (PFDA) (CAS# 335-76-2)                          | EPA 537.1<br>Rev2<br>EPA 533 | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | EPA 1633/1633A                  |
| Perfluorododecanoic acid (PFDoA) (CAS# 307-55-1)                       | EPA 537.1<br>Rev2<br>EPA 533 | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | EPA 1633/1633A                  |
| Perfluoroheptanesulfonate (PFHpS) (CAS# 375-92-8)                      | EPA 533                      | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | EPA 1633/1633A                  |
| Perfluoroheptanoic acid (PFHpA) (CAS# 375-85-9)                        | EPA 537.1<br>Rev2<br>EPA 533 | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | EPA 1633/1633A                  |
| Perfluorohexadecanoic acid (PFHxDA) (CAS# 67905-19-5)                  | -----                        | PFAS by LCMSMS<br>Compliant with QSM<br>5.4 Table B-15                   | PFAS by LCMSMS<br>Compliant with QSM<br>5.4 Table B-15                   | -----                           |
| Perfluorohexanesulfonic acid (PFHxS) (CAS# 355-46-4)                   | EPA 537.1<br>Rev2<br>EPA 533 | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | EPA 1633/1633A                  |
| Perfluorohexanoic acid (PFHxA) (CAS# 307-24-4)                         | EPA 537.1<br>Rev2<br>EPA 533 | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | EPA 1633/1633A                  |
| Perfluorononanoic acid (PFNA) (CAS# 375-95-1)                          | EPA 537.1<br>Rev2<br>EPA 533 | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | EPA 1633/1633A                  |

| <b><u>Parameter/Analyte</u></b>                                                          | <b><u>Potable Water</u></b>  | <b><u>Non-Potable Water</u></b>                                          | <b><u>Solid Hazardous Waste (Liquids and Solids)</u></b>                 | <b><u>Biological Tissue</u></b> |
|------------------------------------------------------------------------------------------|------------------------------|--------------------------------------------------------------------------|--------------------------------------------------------------------------|---------------------------------|
| Perfluorooctanesulfonamide (PFOSA)<br>(CAS# 754-91-6)                                    | -----                        | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | EPA 1633/1633A                  |
| Perfluorooctanesulfonic acid (PFOS)<br>(CAS# 1763-23-1)                                  | EPA 537.1<br>Rev2<br>EPA 533 | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | EPA 1633/1633A                  |
| Perfluorooctanoic acid (PFOA)<br>(CAS# 335-67-1)                                         | EPA 537.1<br>Rev2<br>EPA 533 | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | EPA 1633/1633A                  |
| Perfluoropentanoic acid (PFPeA)<br>(CAS# 2706-90-3)                                      | EPA 533                      | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | EPA 1633/1633A                  |
| Perfluorotetradecanoic acid (PFTeDA)<br>(CAS# 376-06-7)                                  | EPA 537.1<br>Rev2            | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | EPA 1633/1633A                  |
| Perfluorotridecanoic acid (PFTrDA)<br>(CAS# 72629-94-8)                                  | EPA 537.1<br>Rev2            | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | EPA 1633/1633A                  |
| Perfluoroundecanoic acid (PFUnA)<br>(CAS# 2058-94-8)                                     | EPA 537.1<br>Rev2<br>EPA 533 | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | EPA 1633/1633A                  |
| Hexafluoropropylene oxide dimer acid (HFPO-DA)<br>(CAS# 13252-13-6)                      | EPA 537.1<br>Rev2<br>EPA 533 | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | EPA 1633/1633A                  |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA)<br>(CAS# 919005-14-4)                        | EPA 537.1<br>Rev2<br>EPA 533 | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | EPA 1633/1633A                  |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)<br>(CAS# 763051-92-9) | EPA 537.1<br>Rev2<br>EPA 533 | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | EPA 1633/1633A                  |
| 9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)<br>(CAS# 756426-58-1)      | EPA 537.1<br>Rev2<br>EPA 533 | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | EPA 1633/1633A                  |
| 1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2 FTS)<br>(CAS# 757124-72-4)              | EPA 533                      | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | EPA 1633/1633A                  |

| <b><u>Parameter/Analyte</u></b>                                             | <b><u>Potable Water</u></b> | <b><u>Non-Potable Water</u></b>                                          | <b><u>Solid Hazardous Waste (Liquids and Solids)</u></b>                 | <b><u>Biological Tissue</u></b> |
|-----------------------------------------------------------------------------|-----------------------------|--------------------------------------------------------------------------|--------------------------------------------------------------------------|---------------------------------|
| Perfluorononanesulfonic acid (PFNS)<br>(CAS# 68259-12-1)                    | -----                       | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | EPA 1633/1633A                  |
| Perfluorooctadecanoic acid (PFODA)<br>(CAS# 16517-11-6)                     | -----                       | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15                   | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15                   | -----                           |
| Perfluoropentanesulfonic acid (PFPeS)<br>(CAS# 2706-91-4)                   | EPA 533                     | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | EPA 1633/1633A                  |
| 10:2 Fluorotelomer sulfonic acid (10:2 FTS)<br>(CAS# 120226-60-0)           | -----                       | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15                   | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15                   | -----                           |
| 3-Perfluoropropyl propanoic acid (3:3 FTCA)<br>(CAS# 356-02-5)              | -----                       | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | EPA 1633/1633A                  |
| 3-Perfluoroheptyl propanoic acid (7:3 FTCA)<br>(CAS# 812-70-4)              | -----                       | EPA 1633/1633A                                                           | EPA 1633/1633A                                                           | EPA 1633/1633A                  |
| 2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)<br>(CAS# 914637-49-3)         | -----                       | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | EPA 1633/1633A                  |
| Potassium perfluoro-4-ethylcyclohexanesulfonate (PFecHS)<br>(CAS# 646-83-3) | -----                       | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15                   | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15                   | -----                           |
| Sodium perfluoro-1-propanesulfonate (PFPrS)<br>(CAS# 423-41-6)              | -----                       | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15                   | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15                   | -----                           |
| Perfluorododecanesulfonic acid (PFDoS)<br>(CAS# 79780-39-5)                 | -----                       | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | -----                           |
| Perfluoror(2-ethoxyethane)sulfonic acid (PFEEESA)<br>(CAS# 113507-82-7)     | EPA 533                     | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633       | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | EPA 1633/1633A                  |
| Perfluoro-3-methoxypropanoic acid (PFMPA)<br>(CAS# 377-73-1)                | EPA 533                     | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | EPA 1633/1633A                  |

| <b><u>Parameter/Analyte</u></b>                                      | <b><u>Potable Water</u></b> | <b><u>Non-Potable Water</u></b>                                          | <b><u>Solid Hazardous Waste (Liquids and Solids)</u></b>                 | <b><u>Biological Tissue</u></b> |
|----------------------------------------------------------------------|-----------------------------|--------------------------------------------------------------------------|--------------------------------------------------------------------------|---------------------------------|
| Perfluoro-4-methoxybutanoic acid (PFMBA)<br>(CAS# 863090-89-5)       | EPA 533                     | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | EPA 1633/1633A                  |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)<br>(CAS# 151772-58-6)     | EPA 533                     | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | PFAS by LCMSMS<br>Compliant with QSM 5.4<br>Table B-15<br>EPA 1633/1633A | EPA 1633/1633A                  |
| 2H-Perfluoro-2-octenoic acid (FHUEA, 6:2 FTUCA)<br>(CAS# 70887-88-6) | -----                       | EPA 1633/ 1633A                                                          | EPA 1633/ 1633A                                                          | -----                           |
| 2H-Perfluoro-2-decenoic acid (FOUEA, 8:2 FTUCA)<br>(CAS# 70887-84-2) | -----                       | EPA 1633/ 1633A                                                          | EPA 1633/ 1633A                                                          | -----                           |
| Perfluoropropionic Acid (PFPrA)<br>(CAS# 422-64-0)                   | -----                       | EPA 1633/ 1633A                                                          | EPA 1633/ 1633A                                                          | -----                           |
| Bis(trifluoromethane)sulfonimide (TFSI)<br>(CAS# 82113-65-3)         | -----                       | EPA 1633/ 1633A                                                          | EPA1633/ 1633A                                                           | -----                           |



# Accredited Laboratory

A2LA has accredited

**ENTHALPY ANALYTICAL, LLC**

*El Dorado Hills, CA*

for technical competence in the field of

**Environmental Testing**

In recognition of the successful completion of the A2LA evaluation process that includes an assessment of the laboratory's compliance with ISO/IEC 17025:2017 and the requirements of the Department of Defense Environmental Laboratory Accreditation Program (DoD ELAP) as detailed in version 6.0 of the DoD/DOE Quality System Manual for Environmental Laboratories (QSM) and the A2LA R220 – *Specific Requirements – A2LA DoD Environmental Laboratory Accreditation Program*, accreditation is granted to this laboratory to perform recognized EPA methods as defined on the associated A2LA Environmental Scope of Accreditation. This accreditation demonstrates technical competence for this defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 11<sup>th</sup> day of June 2025.

A blue ink signature of Mr. Trace McInturff, written in a cursive style.

Mr. Trace McInturff, Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 3091.01  
Valid to September 30, 2027

*For the tests to which this accreditation applies, please refer to the laboratory's Environmental Scope of Accreditation.*