



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

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ENVIRONMENTAL

Valid To: September 30, 2023

Certificate Number: 3091.01

In recognition of the successful completion of the A2LA evaluation process, (including an assessment of the laboratory's compliance with ISO IEC 17025:2017, the 2009/2016 TNI Environmental Testing Laboratory Standard, the requirements of the DoD Environmental Laboratory Accreditation Program (DoD ELAP) as detailed in version 5.4 of the DoD 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	Nonpotable Water	Solid Hazardous Waste	Tissue
<b><u>Dioxins/Furans</u></b>			
Clean Up Method	3620C	3620C	3620C
1,2,3,4,6,7,8-Heptachlorodibenzofuran	EPA 1613B EPA 8290	EPA 1613B EPA 8290	EPA 1613B EPA 8290
1,2,3,4,7,8,9-Heptachlorodibenzofuran	EPA 1613B EPA 8290	EPA 1613B EPA 8290	EPA 1613B EPA 8290
1,2,3,4,7,8-Hexachlorodibenzofuran	EPA 1613B EPA 8290	EPA 1613B EPA 8290	EPA 1613B EPA 8290
1,2,3,6,7,8-Hexachlorodibenzofuran	EPA 1613B EPA 8290	EPA 1613B EPA 8290	EPA 1613B EPA 8290
1,2,3,7,8,9-Hexachlorodibenzofuran	EPA 1613B EPA 8290	EPA 1613B EPA 8290	EPA 1613B EPA 8290
2,3,4,6,7,8-Hexachlorodibenzofuran	EPA 1613B EPA 8290	EPA 1613B EPA 8290	EPA 1613B EPA 8290
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	EPA 1613B EPA 8290	EPA 1613B EPA 8290	EPA 1613B EPA 8290
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	EPA 1613B EPA 8290	EPA 1613B EPA 8290	EPA 1613B EPA 8290
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	EPA 1613B EPA 8290	EPA 1613B EPA 8290	EPA 1613B EPA 8290
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	EPA 1613B EPA 8290	EPA 1613B EPA 8290	EPA 1613B EPA 8290

Parameter/Analyte	Nonpotable Water	Solid Hazardous Waste	Tissue
1,2,3,4,6,7,8,9-Octachlorodibenzofuran	EPA 1613B EPA 8290	EPA 1613B EPA 8290	EPA 1613B EPA 8290
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin	EPA 1613B EPA 8290	EPA 1613B EPA 8290	EPA 1613B EPA 8290
1,2,3,7,8-Pentachlorodibenzofuran	EPA 1613B EPA 8290	EPA 1613B EPA 8290	EPA 1613B EPA 8290
2,3,4,7,8-Pentachlorodibenzofuran	EPA 1613B EPA 8290	EPA 1613B EPA 8290	EPA 1613B EPA 8290
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	EPA 1613B EPA 8290	EPA 1613B EPA 8290	EPA 1613B EPA 8290
2,3,7,8-Tetrachlorodibenzofuran	EPA 1613B EPA 8290	EPA 1613B EPA 8290	EPA 1613B EPA 8290
2,3,7,8-Tetrachlorodibenzo-p-dioxin	EPA 1613B EPA 8290	EPA 1613B EPA 8290	EPA 1613B EPA 8290
Total Heptachlorodibenzofuran	EPA 1613B EPA 8290	EPA 1613B EPA 8290	EPA 1613B EPA 8290
Total Heptachlorodibenzo-p-dioxin	EPA 1613B EPA 8290	EPA 1613B EPA 8290	EPA 1613B EPA 8290
Total Hexachlorodibenzofuran	EPA 1613B EPA 8290	EPA 1613B EPA 8290	EPA 1613B EPA 8290
Total Hexachlorodibenzo-p-dioxin	EPA 1613B EPA 8290	EPA 1613B EPA 8290	EPA 1613B EPA 8290
Total Pentachlorodibenzofuran	EPA 1613B EPA 8290	EPA 1613B EPA 8290	EPA 1613B EPA 8290
Total Pentachlorodibenzo-p-dioxin	EPA 1613B EPA 8290	EPA 1613B EPA 8290	EPA 1613B EPA 8290
Total Tetrachlorodibenzofuran	EPA 1613B EPA 8290	EPA 1613B EPA 8290	EPA 1613B EPA 8290
Total Tetrachlorodibenzo-p-dioxin	EPA 1613B EPA 8290	EPA 1613B EPA 8290	EPA 1613B EPA 8290
<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

Parameter/Analyte	Nonpotable Water	Solid Hazardous Waste	Tissue
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
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

Parameter/Analyte	Nonpotable Water	Solid Hazardous Waste	Tissue
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
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



Parameter/Analyte	Nonpotable Water	Solid Hazardous Waste	Tissue
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
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

Parameter/Analyte	Nonpotable Water	Solid Hazardous Waste	Tissue
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
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

Parameter/Analyte	Nonpotable Water	Solid Hazardous Waste	Tissue
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
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

<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Aqueous Film Forming Foams (AFF)</u>	<u>Non Potable Water</u>	<u>Solid Hazardous Waste (Liquids and Solids)</u>	<u>Tissue</u>
<b><u>Per-and Polyfluoroalkyl Substances (PFAS)</u></b>					
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2 FTS)  CASRN: 27619-97-2	EPA 533 PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B- 15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B- 15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B- 15
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2 FTS)  CASRN: 39108-34-4	EPA 533 PFAS by LCMSMS Compliant with QSM 5.4 Table B- 15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B- 15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B- 15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B- 15

<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Aqueous Film Forming Foams (AFF)</u>	<u>Non Potable Water</u>	<u>Solid Hazardous Waste (Liquids and Solids)</u>	<u>Tissue</u>
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	EPA 537.1 PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	EPA 537.1 PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15
N-methyl perfluorooctanesulfonamide (NMeFOSA)	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15



<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Aqueous Film Forming Foams (AFF)</u>	<u>Non Potable Water</u>	<u>Solid Hazardous Waste (Liquids and Solids)</u>	<u>Tissue</u>
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)  CASRN: 24448-09-7	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15
Perfluorobutanesulfonic acid (PFBS)	EPA 537.1 EPA 533 PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15
Perfluorobutanoic acid (PFBA)	EPA 533 PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15
Perfluorodecanesulfonate (PFDS)	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15
Perfluorodecanoic acid (PFDA)  CASRN: 335-76-2	EPA 537.1 EPA 533 PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15

<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Aqueous Film Forming Foams (AFF)</u>	<u>Non Potable Water</u>	<u>Solid Hazardous Waste (Liquids and Solids)</u>	<u>Tissue</u>
Perfluorododecanoic acid (PFDoA)	EPA 537.1 EPA 533 PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15
Perfluoroheptanesulfonate (PFHpS)	EPA 533 PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15
Perfluoroheptanonic acid (PFHpA)	EPA 537.1 EPA 533 PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15
Perfluorohexadecanoic acid (PFHxDA)	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15
Perfluorohexanesulfonic acid (PFHxS)  CASRN: 355-46-4	EPA 537.1 EPA 533 PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15

<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Aqueous Film Forming Foams (AFF)</u>	<u>Non Potable Water</u>	<u>Solid Hazardous Waste (Liquids and Solids)</u>	<u>Tissue</u>
Perfluorohexanoic acid (PFHxA)	EPA 537.1 EPA 533 PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15
Perfluorononanoic acid (PFNA)	EPA 537.1 EPA 533 PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15
Perfluorooctanesulfonamide (PFOSA)	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15
Perfluorooctanesulfonic acid (PFOS)  CASRN: 1763-23-1	EPA 537.1 EPA 533 PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15
Perfluorooctanoic acid (PFOA)	EPA 537.1 EPA 533 PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15

<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Aqueous Film Forming Foams (AFF)</u>	<u>Non Potable Water</u>	<u>Solid Hazardous Waste (Liquids and Solids)</u>	<u>Tissue</u>
Perfluoropentanoic acid (PFPeA)  CASRN: 2706-90-3	EPA 533 PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15
Perfluorotetradecanoic acid (PFTeDA)  CASRN: 376-06-7	EPA 537.1 PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15
Perfluorotridecanoic acid (PFTrDA)  CASRN: 72629-94-8	EPA 537.1 PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15
Perfluoroundecanoic acid (PFUnA)  CASRN: 2058-94-8	EPA 537.1 EPA 533 PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15
Hexafluoropropylene oxide dimer acid (HFPO-DA)	EPA 537.1 EPA 533 PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15

<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Aqueous Film Forming Foams (AFF)</u>	<u>Non Potable Water</u>	<u>Solid Hazardous Waste (Liquids and Solids)</u>	<u>Tissue</u>
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	EPA 537.1 EPA 533 PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	EPA 537.1 EPA 533 PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15
9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	EPA 537.1 EPA 533 PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2 FTS)	EPA 533 PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15
Perfluorononanesulfonic acid (PFNS)	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15
Perfluorooctadecanoic acid (PFODA)	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15

<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Aqueous Film Forming Foams (AFFF)</u>	<u>Non Potable Water</u>	<u>Solid Hazardous Waste (Liquids and Solids)</u>	<u>Tissue</u>
Perfluoropentanesulfonic acid (PFPeS)	EPA 533 PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15
3-Perfluoropropyl propanoic acid (3:3 FTCA)  CASRN: 356-02-5	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15
3-Perfluoroheptyl propanoic acid (7:3 FTCA)  CASRN: 812-70-4	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15
Potassium perfluoro-4-ethylcyclohexanesulfonate (PFecHS)	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15

<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Aqueous Film Forming Foams (AFF)</u>	<u>Non Potable Water</u>	<u>Solid Hazardous Waste (Liquids and Solids)</u>	<u>Tissue</u>
Sodium perfluoro-1-propanesulfonate (PFPrS)_	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15
Perfluorododecanesulfonic acid (PFDoS)	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	EPA 533 PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 ----- -
Perfluoro-3-methoxypropanoic acid (PFMPA)  CASRN: 377-73-1	EPA 533 PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 ----- -
Perfluoro-4-methoxybutanoic acid (PFMBA)	EPA 533 PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 ----- -
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	EPA 533 PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15 Draft Method EPA 1633	PFAS by LCMSMS Compliant with QSM 5.4 Table B-15



<b>Parameter/Analyte</b>	<b>Air</b>
<b>Dioxins/Furans</b>	
1,2,3,4,7,8-HxCDD	EPA TO-9A
1,2,3,6,7,8-HxCDD	EPA TO-9A
1,2,3,7,8,9-HxCDD	EPA TO-9A
1,2,3,4,7,8-HxCDF	EPA TO-9A
1,2,3,6,7,8-HxCDF	EPA TO-9A
1,2,3,7,8,9-HxCDF	EPA TO-9A
2,3,4,6,7,8-HxCDF	EPA TO-9A
1,2,3,4,6,7,8-HpCDD	EPA TO-9A
1,2,3,4,6,7,8-HpCDF	EPA TO-9A
1,2,3,4,7,8,9-HpCDF	EPA TO-9A
OCDD	EPA TO-9A
OCDF	EPA TO-9A
1,2,3,7,8-PeCDD	EPA TO-9A
1,2,3,7,8-PeCDF	EPA TO-9A
2,3,4,7,8-PeCDF	EPA TO-9A
2,3,7,8-TCDD	EPA TO-9A
2,3,7,8-TCDF	EPA TO-9A
Total HPCDD	EPA TO-9A
Total HPCDF	EPA TO-9A
Total HxCDD	EPA TO-9A
Total HxCDF	EPA TO-9A
Total TCDD	EPA TO-9A
Total TCDF	EPA TO-9A
Total PCDF	EPA TO-9A
Total PCDD	EPA TO-9A





# 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, the 2009 TNI Environmental Testing Laboratory Standard, and the requirements of the Department of Defense Environmental Laboratory Accreditation Program (DoD ELAP) as detailed in version 5.4 of the DoD Quality System Manual for Environmental Laboratories (QSM), 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 7<sup>th</sup> day of July 2021.

A blue ink signature of a man, written over a horizontal line.

Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 3091.01  
Valid to September 30, 2023  
Revised January 31, 2023

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