



**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF GENERAL SERVICES
DIVISION OF CONSOLIDATED LABORATORY SERVICES**



Certifies that

**VA Laboratory ID#: 460235
Enthalpy Analytical LLC
1104 Windfield Way
El Dorado Hills, CA 95762**

Owner: ENTHALPY ANALYTICAL LLC

Operator: KARLA BUECHLER

Responsible Official: KARLA BUECHLER

Having met the requirements of 1 VAC 30-46 and
having been found compliant with the 2016 TNI Standard approved by The NELAC Institute
is hereby approved as an

Accredited Environmental Laboratory

As more fully described in the attached Scope of Accreditation

Effective Date: **August 15, 2025**

Expiration Date: **June 14, 2026**

Certificate # 13620

Denise M. Toney, Ph.D., HCLD
DGS Deputy Director for Laboratories

Continued accreditation status depends on successful ongoing participation in the program.

Certificate to be conspicuously displayed at the laboratory.

Not valid unless accompanied by a valid Virginia Environmental Laboratory Accreditation Program (VELAP)

Scope of Accreditation.

Customers are urged to verify the laboratory's current accreditation status.



Commonwealth of Virginia
Department of General Services
Division of Consolidated Laboratory Services



Scope of Accreditation

VELAP Certificate No.: 13620

Enthalpy Analytical LLC
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El Dorado Hills, CA 95762

Virginia Laboratory ID: 460235
Effective Date: August 15, 2025
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DRINKING WATER

METHOD	ANALYTE	PRIMARY
EPA 533	HEXAFLUOROPROPYLENE OXIDE DIMER ACID (HFPO-DA, GENX)	OR
EPA 533	PERFLUORO-1-HEXANESULFONIC ACID (PFHXS)	OR
EPA 533	PERFLUORONONANOIC ACID (PFNA)	OR
EPA 537.1 REV 2	HEXAFLUOROPROPYLENE OXIDE DIMER ACID (HFPO-DA, GENX)	OR
EPA 537.1 REV 2	PERFLUORO-1-HEXANESULFONIC ACID (PFHXS)	OR
EPA 537.1 REV 2	PERFLUORONONANOIC ACID (PFNA)	OR

METHOD	ANALYTE	PRIMARY
EPA 533	PERFLUORO-1-BUTANESULFONIC ACID (PFBS)	OR
EPA 533	PERFLUORO-1-OCTANESULFONIC ACID (PFOS)	OR
EPA 533	PERFLUOROOCTANOIC ACID (PFOA)	OR
EPA 537.1 REV 2	PERFLUORO-1-BUTANESULFONIC ACID (PFBS)	OR
EPA 537.1 REV 2	PERFLUORO-1-OCTANESULFONIC ACID (PFOS)	OR
EPA 537.1 REV 2	PERFLUOROOCTANOIC ACID (PFOA)	OR

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 1613 B	1,2,3,4,6,7,8,9-OCTACHLORODIBENZ O-P-DIOXIN (OCDD)	OR
EPA 1613 B	1,2,3,4,6,7,8-HEPTACHLORODIBENZ O-P-DIOXIN (1,2,3,4,6,7,8-HPCDD)	OR
EPA 1613 B	1,2,3,4,7,8,9-HEPTACHLORODIBENZ OFURAN (1,2,3,4,7,8,9-HPCDF)	OR
EPA 1613 B	1,2,3,4,7,8-HEXACHLORODIBENZOF URAN (1,2,3,4,7,8-HXCDF)	OR
EPA 1613 B	1,2,3,6,7,8-HEXACHLORODIBENZOF URAN (1,2,3,6,7,8-HXCDF)	OR
EPA 1613 B	1,2,3,7,8-HEXACHLORODIBENZOF URAN (1,2,3,7,8-HXCDF)	OR
EPA 1613 B	1,2,3,7,8-PENTACHLORODIBENZOF URAN (1,2,3,7,8-PECDF)	OR
EPA 1613 B	2,3,4,7,8-PENTACHLORODIBENZOF URAN	OR
EPA 1613 B	2,3,7,8-TETRACHLORODIBENZOFUR AN (2,3,7,8-TCDF)	OR
EPA 1633A	1H, 1H, 2H, 2H-PERFLUORODECANE SULFONIC ACID (8:2 FTS)	OR
EPA 1633A	1H, 1H, 2H, 2H-PERFLUOROOCTANE SULFONIC ACID (6:2 FTS)	OR
EPA 1633A	3-PERFLUOROHEPTYL PROPANOIC ACID (7:3 FTCA)	OR
EPA 1633A	4,8-DIOXA-3H-PERFLUORONONANO IC ACID (ADONA, DONA)	OR
EPA 1633A	HEXAFLUOROPROPYLENE OXIDE DIMER ACID (HFPO-DA, GENX)	OR
EPA 1633A	N-ETHYL PERFLUOROOCTANESULFONAMID OETHANOL (NETFOSE, ETFOSE)	OR

METHOD	ANALYTE	PRIMARY
EPA 1613 B	1,2,3,4,6,7,8,9-OCTACHLORODIBENZ OFURAN (OCDF)	OR
EPA 1613 B	1,2,3,4,6,7,8-HEPTACHLORODIBENZ OFURAN (1,2,3,4,6,7,8-HPCDF)	OR
EPA 1613 B	1,2,3,4,7,8-HEXACHLORODIBENZO-P -DIOXIN (1,2,3,4,7,8-HXCDD)	OR
EPA 1613 B	1,2,3,6,7,8-HEXACHLORODIBENZO-P -DIOXIN(1,2,3,6,7,8-HXCDD)	OR
EPA 1613 B	1,2,3,7,8-HEXACHLORODIBENZO-P -DIOXIN (1,2,3,7,8-HXCDD)	OR
EPA 1613 B	1,2,3,7,8-PENTACHLORODIBENZO-P -DIOXIN (1,2,3,7,8-PECDD)	OR
EPA 1613 B	2,3,4,6,7,8-HEXACHLORODIBENZOF URAN (2,3,4,6,7,8-HXCDF)	OR
EPA 1613 B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN (2,3,7,8-TCDD)	OR
EPA 1633A	11-CHLOROEICOSAFLUORO-3-OXA UNDECANE-1-SULFONIC ACID (11CL-PF30UDS)	OR
EPA 1633A	1H, 1H, 2H, 2H-PERFLUOROHEXANE SULFONIC ACID (4:2 FTS)	OR
EPA 1633A	2H,2H,3H,3H-PERFLUOROOCTANOI C ACID (5:3 FTCA)	OR
EPA 1633A	3-PERFLUOROPROPYL PROPANOIC ACID (3:3 FTCA)	OR
EPA 1633A	9-CHLOROHEXADECAFLUORO-3-OX ANONANE-1-SULFONIC ACID (9CL-PF30NS)	OR
EPA 1633A	N-ETHYL PERFLUOROOCTANESULFONAMID E (NETFOSA, ETFOSAM)	OR
EPA 1633A	N-ETHYLPERFLUORO-1-OCTANESU LFONAMIDOACETIC ACID (N-ETFOSAA)	OR

This Scope of Accreditation must accompany the Certificate issued by Virginia DCLS with the same Certificate Number indicated above.



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NON-POTABLE WATER

<u>METHOD</u>	<u>ANALYTE</u>	<u>PRIMARY</u>	<u>METHOD</u>	<u>ANALYTE</u>	<u>PRIMARY</u>
EPA 1633A	N-METHYL PERFLUOROOCTANESULFONAMID E (NMEFOSA, MEFOSE)	OR	EPA 1633A	N-METHYL PERFLUOROOCTANESULFONAMID OETHANOL (NMEFOSE, MEFOSE)	OR
EPA 1633A	N-METHYLPERFLUORO-1-OCTANES ULFONAMIDOACETIC ACID (N-MEFOSAA)	OR	EPA 1633A	NONAFLUORO-3,6-DIOXAHEPTANOI C ACID (NFDHA)	OR
EPA 1633A	PERFLUORO(2-ETHOXYETHANE)SU LFONIC ACID (PFEESA)	OR	EPA 1633A	PERFLUORO-1-BUTANESULFONIC ACID (PFBS)	OR
EPA 1633A	PERFLUORO-1-DECANESULFONIC ACID (PFDS)	OR	EPA 1633A	PERFLUORO-1-HEPTANESULFONIC ACID (PFHPS)	OR
EPA 1633A	PERFLUORO-1-HEXANESULFONIC ACID (PFHXS)	OR	EPA 1633A	PERFLUORO-1-NONANESULFONIC ACID (PFNS)	OR
EPA 1633A	PERFLUORO-1-OCTANESULFONAMI DE (PFOSA, PFOSAM)	OR	EPA 1633A	PERFLUORO-1-OCTANESULFONIC ACID (PFOS)	OR
EPA 1633A	PERFLUORO-1-PENTANESULFONIC ACID (PFPE)	OR	EPA 1633A	PERFLUORO-3-METHOXYPROPANO IC ACID (PFMPA)	OR
EPA 1633A	PERFLUORO-4-METHOXYBUTANOIC ACID (PFMBA)	OR	EPA 1633A	PERFLUOROBUTANOIC ACID (PFBA)	OR
EPA 1633A	PERFLUORODECANOIC ACID (PFDA)	OR	EPA 1633A	PERFLUORODODECANESULFONIC ACID (PFDOS)	OR
EPA 1633A	PERFLUORODODECANOIC ACID (PFDOA, PFDODA)	OR	EPA 1633A	PERFLUOROHEPTANOIC ACID (PFHPA)	OR
EPA 1633A	PERFLUOROHXANOIC ACID (PFHXA)	OR	EPA 1633A	PERFLUORONONANOIC ACID (PFNA)	OR
EPA 1633A	PERFLUOROOCTANOIC ACID (PFOA)	OR	EPA 1633A	PERFLUOROPENTANOIC ACID (PFPEA)	OR
EPA 1633A	PERFLUOROTETRADECANOIC ACID (PFTA, PFTDA, PFTEDA)	OR	EPA 1633A	PERFLUOROTRIDECANOIC ACID (PFTRDA)	OR
EPA 1633A	PERFLUOROUNDECANOIC ACID (PFUNA, PFUNDA)	OR	EPA 1668 A	2,2',3,3',4,4',5,5',6'-NONACHLOROBIP HENYL (BZ-206)	OR
EPA 1668 A	2,2',3,3',4,4',5,5'-OCTACHLOROBIPH ENYL (BZ-194)	OR	EPA 1668 A	2,2',3,3',4,4',5,6'-OCTACHLOROBIPH ENYL (BZ-196)	OR
EPA 1668 A	2,2',3,3',4,4',5,6,6'-NONACHLOROBIP HENYL (BZ-207)	OR	EPA 1668 A	2,2',3,3',4,4',5,6-OCTACHLOROBIPHE NYL BZ-195)	OR
EPA 1668 A	2,2',3,3',4,4',5-HEPTACHLOROBIPHE NYL (BZ-170)	OR	EPA 1668 A	2,2',3,3',4,4',6,6'-OCTACHLOROBIPH ENYL (BZ-197)	OR
EPA 1668 A	2,2',3,3',4,4',6-HEPTACHLOROBIPHE NYL (BZ-171)	OR	EPA 1668 A	2,2',3,3',4,4'-HEXACHLOROBIPHENY L (BZ-128)	OR
EPA 1668 A	2,2',3,3',4,5,6'-HEPTACHLOROBIPHE NYL (BZ-177)	OR	EPA 1668 A	2,2',3,3',4,5,6'-OCTACHLOROBIPH ENYL (BZ-201)	OR
EPA 1668 A	2,2',3,3',4,5,6-HEPTACHLOROBIPHE NYL (BZ-175)	OR	EPA 1668 A	2,2',3,3',4,5'-HEXACHLOROBIPHENY L (BZ-130)	OR
EPA 1668 A	2,2',3,3',4,5,5',6'-OCTACHLOROBIPH ENYL (BZ-199)	OR	EPA 1668 A	2,2',3,3',4,5,5',6'-NONACHLOROBIP HENYL (BZ-208)	OR
EPA 1668 A	2,2',3,3',4,5,5',6-OCTACHLOROBIPHE NYL (BZ-198)	OR	EPA 1668 A	2,2',3,3',4,5,5'-HEPTACHLOROBIPHE NYL (BZ-172)	OR
EPA 1668 A	2,2',3,3',4,5,6'-HEPTACHLOROBIPHE NYL (BZ-174)	OR	EPA 1668 A	2,2',3,3',4,5,6,6'-OCTACHLOROBIPHE NYL (BZ-200)	OR
EPA 1668 A	2,2',3,3',4,5,6-HEPTACHLOROBIPHE NYL (BZ-173)	OR	EPA 1668 A	2,2',3,3',4,5-HEXACHLOROBIPHENYL (BZ-129)	OR



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EPA 1668 A	2,2',3,3',4,6'-HEXACHLOROBIPHENYL (BZ-132)	OR
EPA 1668 A	2,2',3,3',4,6'-HEXACHLOROBIPHENYL (BZ-131)	OR
EPA 1668 A	2,2',3,3',5,5',6,6'-OCTACHLOROBIPHENYL (BZ-202)	OR
EPA 1668 A	2,2',3,3',5,5'-HEXACHLOROBIPHENYL (BZ-133)	OR
EPA 1668 A	2,2',3,3',5,6,6'-HEPTACHLOROBIPHENYL (BZ-179)	OR
EPA 1668 A	2,2',3,3',5-PENTACHLOROBIPHENYL (BZ-83)	OR
EPA 1668 A	2,2',3,3',6-PENTACHLOROBIPHENYL (BZ-84)	OR
EPA 1668 A	2,2',3,4',5,6-HEXACHLOROBIPHENYL (BZ-149)	OR
EPA 1668 A	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL (BZ-187)	OR
EPA 1668 A	2,2',3,4',5,6'-HEXACHLOROBIPHENYL (BZ-148)	OR
EPA 1668 A	2,2',3,4',5,6-HEXACHLOROBIPHENYL (BZ-147)	OR
EPA 1668 A	2,2',3,4',6-PENTACHLOROBIPHENYL (BZ-98)	OR
EPA 1668 A	2,2',3,4',6-PENTACHLOROBIPHENYL (BZ-91)	OR
EPA 1668 A	2,2',3,4,4',5'-HEPTACHLOROBIPHENYL (BZ-183)	OR
EPA 1668 A	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL (BZ-203)	OR
EPA 1668 A	2,2',3,4,4',5,6'-HEPTACHLOROBIPHENYL (BZ-182)	OR
EPA 1668 A	2,2',3,4,4',5,6-HEPTACHLOROBIPHENYL (BZ-181)	OR
EPA 1668 A	2,2',3,4,4',6'-HEXACHLOROBIPHENYL (BZ-140)	OR
EPA 1668 A	2,2',3,4,4',6-HEXACHLOROBIPHENYL (BZ-139)	OR
EPA 1668 A	2,2',3,4,5',6-HEXACHLOROBIPHENYL (BZ-144)	OR
EPA 1668 A	2,2',3,4,5,5',6-HEPTACHLOROBIPHENYL (BZ-185)	OR
EPA 1668 A	2,2',3,4,5,6'-HEXACHLOROBIPHENYL (BZ-143)	OR
EPA 1668 A	2,2',3,4,5,6-HEXACHLOROBIPHENYL (BZ-142)	OR
EPA 1668 A	2,2',3,4,6'-PENTACHLOROBIPHENYL (BZ-89)	OR
EPA 1668 A	2,2',3,4,6-PENTACHLOROBIPHENYL (BZ-88)	OR

<u>METHOD</u>	<u>ANALYTE</u>	<u>PRIMARY</u>
EPA 1668 A	2,2',3,3',4,6,6'-HEPTACHLOROBIPHENYL (BZ-176)	OR
EPA 1668 A	2,2',3,3',4-PENTACHLOROBIPHENYL (BZ-82)	OR
EPA 1668 A	2,2',3,3',5,5',6-HEPTACHLOROBIPHENYL (BZ-178)	OR
EPA 1668 A	2,2',3,3',5,6'-HEXACHLOROBIPHENYL (BZ-135)	OR
EPA 1668 A	2,2',3,3',5,6-HEXACHLOROBIPHENYL (BZ-134)	OR
EPA 1668 A	2,2',3,3',6,6'-HEXACHLOROBIPHENYL (BZ-136)	OR
EPA 1668 A	2,2',3,3'-TETRACHLOROBIPHENYL (BZ-40)	OR
EPA 1668 A	2,2',3,4',5'-PENTACHLOROBIPHENYL (BZ-97)	OR
EPA 1668 A	2,2',3,4',5,5'-HEXACHLOROBIPHENYL (BZ-146)	OR
EPA 1668 A	2,2',3,4',5,6,6'-HEPTACHLOROBIPHENYL (BZ-188)	OR
EPA 1668 A	2,2',3,4',5-PENTACHLOROBIPHENYL (BZ-90)	OR
EPA 1668 A	2,2',3,4',6,6'-HEXACHLOROBIPHENYL (BZ-150)	OR
EPA 1668 A	2,2',3,4'-TETRACHLOROBIPHENYL (BZ-42)	OR
EPA 1668 A	2,2',3,4,4',5'-HEXACHLOROBIPHENYL (BZ-138)	OR
EPA 1668 A	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL (BZ-180)	OR
EPA 1668 A	2,2',3,4,4',5,6,6'-OCTACHLOROBIPHENYL (BZ-204)	OR
EPA 1668 A	2,2',3,4,4',5-HEXACHLOROBIPHENYL (BZ-137)	OR
EPA 1668 A	2,2',3,4,4',6,6'-HEPTACHLOROBIPHENYL (BZ-184)	OR
EPA 1668 A	2,2',3,4,4'-PENTACHLOROBIPHENYL (BZ-85)	OR
EPA 1668 A	2,2',3,4,5'-PENTACHLOROBIPHENYL (BZ-87)	OR
EPA 1668 A	2,2',3,4,5,5'-HEXACHLOROBIPHENYL (BZ-141)	OR
EPA 1668 A	2,2',3,4,5,6,6'-HEPTACHLOROBIPHENYL (BZ-186)	OR
EPA 1668 A	2,2',3,4,5-PENTACHLOROBIPHENYL (BZ-86)	OR
EPA 1668 A	2,2',3,4,6,6'-HEXACHLOROBIPHENYL (BZ-145)	OR
EPA 1668 A	2,2',3,4,6-TETRACHLOROBIPHENYL (BZ-41)	OR



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EPA 1668 A	2,2',3,5',6-PENTACHLOROBIPHENYL (BZ-95)	OR
EPA 1668 A	2,2',3,5,5',6-HEXACHLOROBIPHENYL (BZ-151)	OR
EPA 1668 A	2,2',3,5,6'-PENTACHLOROBIPHENYL (BZ-94)	OR
EPA 1668 A	2,2',3,5,6-PENTACHLOROBIPHENYL (BZ-93)	OR
EPA 1668 A	2,2',3,6'-TETRACHLOROBIPHENYL (BZ-46)	OR
EPA 1668 A	2,2',3,6-TETRACHLOROBIPHENYL (BZ-45)	OR
EPA 1668 A	2,2',4,4',5,5'-HEXACHLOROBIPHENYL (BZ-153)	OR
EPA 1668 A	2,2',4,4',5-PENTACHLOROBIPHENYL (BZ-99)	OR
EPA 1668 A	2,2',4,4',6-PENTACHLOROBIPHENYL (BZ-100)	OR
EPA 1668 A	2,2',4,4',6-PENTACHLOROBIPHENYL (BZ-103)	OR
EPA 1668 A	2,2',4,5,5'-PENTACHLOROBIPHENYL (BZ-101)	OR
EPA 1668 A	2,2',4,5-TETRACHLOROBIPHENYL (BZ-48)	OR
EPA 1668 A	2,2',4,6,6'-PENTACHLOROBIPHENYL (BZ-104)	OR
EPA 1668 A	2,2',4-TRICHLOROBIPHENYL (BZ-17)	OR
EPA 1668 A	2,2',5,6'-TETRACHLOROBIPHENYL (BZ-53)	OR
EPA 1668 A	2,2',6,6'-TETRACHLOROBIPHENYL (BZ-54)	OR
EPA 1668 A	2,2'-DICHLOROBIPHENYL (BZ-4)	OR
EPA 1668 A	2,3',4',5'-TETRACHLOROBIPHENYL (BZ-76)	OR
EPA 1668 A	2,3',4',5-TETRACHLOROBIPHENYL (BZ-70)	OR
EPA 1668 A	2,3',4'-TRICHLOROBIPHENYL (BZ-33)	OR
EPA 1668 A	2,3',4,4',5'-PENTACHLOROBIPHENYL (BZ-123)	OR
EPA 1668 A	2,3',4,4',5-PENTACHLOROBIPHENYL (BZ-118)	OR
EPA 1668 A	2,3',4,4'-TETRACHLOROBIPHENYL (BZ-66)	OR
EPA 1668 A	2,3',4,5'-TETRACHLOROBIPHENYL (BZ-68)	OR
EPA 1668 A	2,3',4,5-TETRACHLOROBIPHENYL (BZ-67)	OR
EPA 1668 A	2,3',4-TRICHLOROBIPHENYL (BZ-25)	OR

<u>METHOD</u>	<u>ANALYTE</u>	<u>PRIMARY</u>
EPA 1668 A	2,2',3,5'-TETRACHLOROBIPHENYL (BZ-44)	OR
EPA 1668 A	2,2',3,5,5'-PENTACHLOROBIPHENYL (BZ-92)	OR
EPA 1668 A	2,2',3,5,6,6'-HEXACHLOROBIPHENYL (BZ-152)	OR
EPA 1668 A	2,2',3,5-TETRACHLOROBIPHENYL (BZ-43)	OR
EPA 1668 A	2,2',3,6,6'-PENTACHLOROBIPHENYL (BZ-96)	OR
EPA 1668 A	2,2',3-TRICHLOROBIPHENYL (BZ-16)	OR
EPA 1668 A	2,2',4,4',5,6'-HEXACHLOROBIPHENYL (BZ-154)	OR
EPA 1668 A	2,2',4,4',6,6'-HEXACHLOROBIPHENYL (BZ-155)	OR
EPA 1668 A	2,2',4,4'-TETRACHLOROBIPHENYL (BZ-47)	OR
EPA 1668 A	2,2',4,5'-TETRACHLOROBIPHENYL (BZ-49)	OR
EPA 1668 A	2,2',4,5,6'-PENTACHLOROBIPHENYL (BZ-102)	OR
EPA 1668 A	2,2',4,6'-TETRACHLOROBIPHENYL (BZ-51)	OR
EPA 1668 A	2,2',4,6-TETRACHLOROBIPHENYL (BZ-50)	OR
EPA 1668 A	2,2',5,5'-TETRACHLOROBIPHENYL (BZ-52)	OR
EPA 1668 A	2,2',5-TRICHLOROBIPHENYL (BZ-18)	OR
EPA 1668 A	2,2',6-TRICHLOROBIPHENYL (BZ-19)	OR
EPA 1668 A	2,3',4',5',6-PENTACHLOROBIPHENYL (BZ-125)	OR
EPA 1668 A	2,3',4',5,5'-PENTACHLOROBIPHENYL (BZ-124)	OR
EPA 1668 A	2,3',4',6-TETRACHLOROBIPHENYL (BZ-71)	OR
EPA 1668 A	2,3',4,4',5',6-HEXACHLOROBIPHENYL (BZ-168)	OR
EPA 1668 A	2,3',4,4',5,5'-HEXACHLOROBIPHENYL (BZ-167)	OR
EPA 1668 A	2,3',4,4',6-PENTACHLOROBIPHENYL (BZ-119)	OR
EPA 1668 A	2,3',4,5',6-PENTACHLOROBIPHENYL (BZ-121)	OR
EPA 1668 A	2,3',4,5,5'-PENTACHLOROBIPHENYL (BZ-120)	OR
EPA 1668 A	2,3',4,6-TETRACHLOROBIPHENYL (BZ-69)	OR

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Virginia Laboratory ID: 460235
Effective Date: August 15, 2025
Expiration Date: June 14, 2026

NON-POTABLE WATER

<u>METHOD</u>	<u>ANALYTE</u>	<u>PRIMARY</u>
EPA 1668 A	2,3',5',6-TETRACHLOROBIPHENYL (BZ-73)	OR
EPA 1668 A	2,3',5,5'-TETRACHLOROBIPHENYL (BZ-72)	OR
EPA 1668 A	2,3',6-TRICHLOROBIPHENYL (BZ-27)	OR
EPA 1668 A	2,3,3',4',5',6-HEXACHLOROBIPHENYL (BZ-164)	OR
EPA 1668 A	2,3,3',4',5,5',6-HEPTACHLOROBIPHENYL (BZ-193)	OR
EPA 1668 A	2,3,3',4',5,6-HEXACHLOROBIPHENYL (BZ-163)	OR
EPA 1668 A	2,3,3',4',6-PENTACHLOROBIPHENYL (BZ-110)	OR
EPA 1668 A	2,3,3',4,4',5',6-HEPTACHLOROBIPHENYL (BZ-191)	OR
EPA 1668 A	2,3,3',4,4',5,5',6-OCTACHLOROBIPHENYL (BZ-205)	OR
EPA 1668 A	2,3,3',4,4',5,6-HEPTACHLOROBIPHENYL (BZ-190)	OR
EPA 1668 A	2,3,3',4,4',6-HEXACHLOROBIPHENYL (BZ-158)	OR
EPA 1668 A	2,3,3',4,5',6-HEXACHLOROBIPHENYL (BZ-161)	OR
EPA 1668 A	2,3,3',4,5,5',6-HEPTACHLOROBIPHENYL (BZ-192)	OR
EPA 1668 A	2,3,3',4,5,6-HEXACHLOROBIPHENYL (BZ-160)	OR
EPA 1668 A	2,3,3',4,6-PENTACHLOROBIPHENYL (BZ-109)	OR
EPA 1668 A	2,3,3',5',6-PENTACHLOROBIPHENYL (BZ-113)	OR
EPA 1668 A	2,3,3',5,5',6-HEXACHLOROBIPHENYL (BZ-165)	OR
EPA 1668 A	2,3,3',5,6-PENTACHLOROBIPHENYL (BZ-112)	OR
EPA 1668 A	2,3,3',6-TETRACHLOROBIPHENYL (BZ-59)	OR
EPA 1668 A	2,3,4',5,6-PENTACHLOROBIPHENYL (BZ-117)	OR
EPA 1668 A	2,3,4',6-TETRACHLOROBIPHENYL (BZ-64)	OR
EPA 1668 A	2,3,4,4',5,6-HEXACHLOROBIPHENYL (BZ-166)	OR
EPA 1668 A	2,3,4,4',6-PENTACHLOROBIPHENYL (BZ-115)	OR
EPA 1668 A	2,3,4,5,6-PENTACHLOROBIPHENYL (BZ-116)	OR
EPA 1668 A	2,3,4,6-TETRACHLOROBIPHENYL (BZ-62)	OR
EPA 1668 A	2,3,5,6-TETRACHLOROBIPHENYL (BZ-65)	OR

<u>METHOD</u>	<u>ANALYTE</u>	<u>PRIMARY</u>
EPA 1668 A	2,3',5'-TRICHLOROBIPHENYL (BZ-34)	OR
EPA 1668 A	2,3',5-TRICHLOROBIPHENYL (BZ-26)	OR
EPA 1668 A	2,3'-DICHLOROBIPHENYL (BZ-6)	OR
EPA 1668 A	2,3,3',4',5'-PENTACHLOROBIPHENYL (BZ-122)	OR
EPA 1668 A	2,3,3',4',5,5'-HEXACHLOROBIPHENYL (BZ-162)	OR
EPA 1668 A	2,3,3',4',5-PENTACHLOROBIPHENYL (BZ-107)	OR
EPA 1668 A	2,3,3',4'-TETRACHLOROBIPHENYL (BZ-56)	OR
EPA 1668 A	2,3,3',4,4',5'-HEXACHLOROBIPHENYL (BZ-157)	OR
EPA 1668 A	2,3,3',4,4',5,5'-HEPTACHLOROBIPHENYL (BZ-189)	OR
EPA 1668 A	2,3,3',4,4',5-HEXACHLOROBIPHENYL (BZ-156)	OR
EPA 1668 A	2,3,3',4,4'-PENTACHLOROBIPHENYL (BZ-105)	OR
EPA 1668 A	2,3,3',4,5'-PENTACHLOROBIPHENYL (BZ-108)	OR
EPA 1668 A	2,3,3',4,5,5'-HEXACHLOROBIPHENYL (BZ-159)	OR
EPA 1668 A	2,3,3',4,5-PENTACHLOROBIPHENYL (BZ-106)	OR
EPA 1668 A	2,3,3',4-TETRACHLOROBIPHENYL (BZ-55)	OR
EPA 1668 A	2,3,3',5'-TETRACHLOROBIPHENYL (BZ-58)	OR
EPA 1668 A	2,3,3',5,5'-PENTACHLOROBIPHENYL (BZ-111)	OR
EPA 1668 A	2,3,3',5-TETRACHLOROBIPHENYL (BZ-57)	OR
EPA 1668 A	2,3,3'-TRICHLOROBIPHENYL (BZ-20)	OR
EPA 1668 A	2,3,4',5-TETRACHLOROBIPHENYL (BZ-63)	OR
EPA 1668 A	2,3,4'-TRICHLOROBIPHENYL (BZ-22)	OR
EPA 1668 A	2,3,4,4',5-PENTACHLOROBIPHENYL (BZ-114)	OR
EPA 1668 A	2,3,4,4'-TETRACHLOROBIPHENYL (BZ-60)	OR
EPA 1668 A	2,3,4,5-TETRACHLOROBIPHENYL (BZ-61)	OR
EPA 1668 A	2,3,4-TRICHLOROBIPHENYL (BZ-21)	OR
EPA 1668 A	2,3,5-TRICHLOROBIPHENYL (BZ-23)	OR

This Scope of Accreditation must accompany the Certificate issued by Virginia DCLS with the same Certificate Number indicated above.



Commonwealth of Virginia
Department of General Services
Division of Consolidated Laboratory Services



Scope of Accreditation

VELAP Certificate No.: 13620

Enthalpy Analytical LLC
1104 Windfield Way
El Dorado Hills, CA 95762

Virginia Laboratory ID: 460235
Effective Date: August 15, 2025
Expiration Date: June 14, 2026

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 1668 A	2,3,6-TRICHLOROBIPHENYL (BZ-24)	OR
EPA 1668 A	2,4',5-TRICHLOROBIPHENYL (BZ-31)	OR
EPA 1668 A	2,4'-DICHLOROBIPHENYL (BZ-8)	OR
EPA 1668 A	2,4,4',6-TETRACHLOROBIPHENYL (BZ-75)	OR
EPA 1668 A	2,4,5-TRICHLOROBIPHENYL (BZ-29)	OR
EPA 1668 A	2,4-DICHLOROBIPHENYL (BZ-7)	OR
EPA 1668 A	2,6-DICHLOROBIPHENYL (BZ-10)	OR
EPA 1668 A	3,3',4,4',5,5'-HEXACHLOROBIPHENYL (BZ-169)	OR
EPA 1668 A	3,3',4,4'-TETRACHLOROBIPHENYL (BZ-77)	OR
EPA 1668 A	3,3',4,5,5'-PENTACHLOROBIPHENYL (BZ-127)	OR
EPA 1668 A	3,3',4-TRICHLOROBIPHENYL (BZ-35)	OR
EPA 1668 A	3,3',5-TRICHLOROBIPHENYL (BZ-36)	OR
EPA 1668 A	3,4',5-TRICHLOROBIPHENYL (BZ-39)	OR
EPA 1668 A	3,4,4',5-TETRACHLOROBIPHENYL (BZ-81)	OR
EPA 1668 A	3,4,5-TRICHLOROBIPHENYL (BZ-38)	OR
EPA 1668 A	3,5-DICHLOROBIPHENYL (BZ-14)	OR
EPA 1668 A	4,4'-DICHLOROBIPHENYL (BZ-15)	OR
EPA 1668 A	DECACHLOROBIPHENYL (BZ-209)	OR
EPA 8290	1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN (OCDF)	OR
EPA 8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN (1,2,3,4,6,7,8-HPCDF)	OR
EPA 8290	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN (1,2,3,4,7,8-HXCDD)	OR
EPA 8290	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN (1,2,3,6,7,8-HXCDD)	OR
EPA 8290	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN (1,2,3,7,8,9-HXCDD)	OR
EPA 8290	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN (1,2,3,7,8-PCDD)	OR
EPA 8290	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN (2,3,4,6,7,8-HXCDF)	OR
EPA 8290	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN (2,3,7,8-TCDD)	OR
EPA 8290 A	1,2,3,4,6,7,8,9-OCTACHLORODIBENZ O-P-DIOXIN (OCDD)	OR
EPA 8290 A	1,2,3,4,6,7,8-HEPTACHLORODIBENZ O-P-DIOXIN (1,2,3,4,6,7,8-HPCDD)	OR
EPA 8290 A	1,2,3,4,7,8-HEPTACHLORODIBENZ OFURAN (1,2,3,4,7,8-HPCDF)	OR

METHOD	ANALYTE	PRIMARY
EPA 1668 A	2,3-DICHLOROBIPHENYL (BZ-5)	OR
EPA 1668 A	2,4',6-TRICHLOROBIPHENYL (BZ-32)	OR
EPA 1668 A	2,4,4',5-TETRACHLOROBIPHENYL (BZ-74)	OR
EPA 1668 A	2,4,4'-TRICHLOROBIPHENYL (BZ-28)	OR
EPA 1668 A	2,4,6-TRICHLOROBIPHENYL (BZ-30)	OR
EPA 1668 A	2,5-DICHLOROBIPHENYL (BZ-9)	OR
EPA 1668 A	2-CHLOROBIPHENYL (BZ-1)	OR
EPA 1668 A	3,3',4,4',5-PENTACHLOROBIPHENYL (BZ-126)	OR
EPA 1668 A	3,3',4,5'-TETRACHLOROBIPHENYL (BZ-79)	OR
EPA 1668 A	3,3',4,5-TETRACHLOROBIPHENYL (BZ-78)	OR
EPA 1668 A	3,3',5,5'-TETRACHLOROBIPHENYL (BZ-80)	OR
EPA 1668 A	3,3'-DICHLOROBIPHENYL (BZ-11)	OR
EPA 1668 A	3,4'-DICHLOROBIPHENYL (BZ-13)	OR
EPA 1668 A	3,4,4'-TRICHLOROBIPHENYL (BZ-37)	OR
EPA 1668 A	3,4-DICHLOROBIPHENYL (BZ-12)	OR
EPA 1668 A	3-CHLOROBIPHENYL (BZ-2)	OR
EPA 1668 A	4-CHLOROBIPHENYL (BZ-3)	OR
EPA 8290	1,2,3,4,6,7,8,9-OCTACHLORODIBENZ O-P-DIOXIN (OCDD)	OR
EPA 8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZ O-P-DIOXIN (1,2,3,4,6,7,8-HPCDD)	OR
EPA 8290	1,2,3,4,7,8,9-HEPTACHLORODIBENZ OFURAN (1,2,3,4,7,8,9-HPCDF)	OR
EPA 8290	1,2,3,4,7,8-HEXACHLORODIBENZOF URAN (1,2,3,4,7,8-HXCDF)	OR
EPA 8290	1,2,3,6,7,8-HEXACHLORODIBENZOF URAN (1,2,3,6,7,8-HXCDF)	OR
EPA 8290	1,2,3,7,8,9-HEXACHLORODIBENZOF URAN (1,2,3,7,8,9-HXCDF)	OR
EPA 8290	1,2,3,7,8-PENTACHLORODIBENZOF URAN (1,2,3,7,8-PCDF)	OR
EPA 8290	2,3,4,7,8-PENTACHLORODIBENZOF URAN	OR
EPA 8290	2,3,7,8-TETRACHLORODIBENZOFUR AN (2,3,7,8-TCDF)	OR
EPA 8290 A	1,2,3,4,6,7,8,9-OCTACHLORODIBENZ OFURAN (OCDF)	OR
EPA 8290 A	1,2,3,4,6,7,8-HEPTACHLORODIBENZ OFURAN (1,2,3,4,6,7,8-HPCDF)	OR
EPA 8290 A	1,2,3,4,7,8-HEXACHLORODIBENZO-P -DIOXIN (1,2,3,4,7,8-HXCDD)	OR

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NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 8290 A	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN (1,2,3,4,7,8-HXCDF)	OR
EPA 8290 A	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN (1,2,3,6,7,8-HXCDF)	OR
EPA 8290 A	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN (1,2,3,7,8,9-HXCDF)	OR
EPA 8290 A	1,2,3,7,8-PENTACHLORODIBENZOFURAN (1,2,3,7,8-PECDF)	OR
EPA 8290 A	2,3,4,7,8-PENTACHLORODIBENZOFURAN	OR
EPA 8290 A	2,3,7,8-TETRACHLORODIBENZOFURAN (2,3,7,8-TCDF)	OR
EPA 8290 A - EXTENDED	TOTAL HEPTACHLORODIBENZOFURAN (HPCDF, TOTAL)	OR
EPA 8290 A - EXTENDED	TOTAL HEXACHLORODIBENZOFURAN (HXCDF, TOTAL)	OR
EPA 8290 A - EXTENDED	TOTAL PENTACHLORODIBENZOFURAN (PECDF, TOTAL)	OR
EPA 8290 A - EXTENDED	TOTAL TETRACHLORODIBENZOFURAN (TCDF, TOTAL)	OR

METHOD	ANALYTE	PRIMARY
EPA 8290 A	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN(1,2,3,6,7,8-HXCDD)	OR
EPA 8290 A	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN (1,2,3,7,8,9-HXCDD)	OR
EPA 8290 A	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN (1,2,3,7,8-PECDD)	OR
EPA 8290 A	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN (2,3,4,6,7,8-HXCDF)	OR
EPA 8290 A	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN (2,3,7,8-TCDD)	OR
EPA 8290 A - EXTENDED	TOTAL HEPTACHLORODIBENZO-P-DIOXIN (HPCDD, TOTAL)	OR
EPA 8290 A - EXTENDED	TOTAL HEXACHLORODIBENZO-P-DIOXIN (HXCDD, TOTAL)	OR
EPA 8290 A - EXTENDED	TOTAL PENTACHLORODIBENZO-P-DIOXIN (PECDD, TOTAL)	OR
EPA 8290 A - EXTENDED	TOTAL TETRACHLORODIBENZO-P-DIOXIN (TCDD, TOTAL)	OR

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
EPA 1633A	11-CHLORO-EICOSAFLUORO-3-OXA UNDECANE-1-SULFONIC ACID (11CL-PF30UDS)	OR
EPA 1633A	1H, 1H, 2H, 2H-PERFLUOROHXANE SULFONIC ACID (4:2 FTS)	OR
EPA 1633A	2H,2H,3H,3H-PERFLUOROOCTANOIC ACID (5:3 FTCA)	OR
EPA 1633A	3-PERFLUOROPROPYL PROPANOIC ACID (3:3 FTCA)	OR
EPA 1633A	9-CHLOROHEXADECYLAFLUORO-3-OXANONANE-1-SULFONIC ACID (9CL-PF3ONS)	OR
EPA 1633A	N-ETHYL PERFLUOROOCTANESULFONAMIDE (NETFOSA, ETFOSAM)	OR
EPA 1633A	N-ETHYLPERFLUORO-1-OCTANESULFONAMIDOACETIC ACID (N-ETFOSAA)	OR
EPA 1633A	N-METHYL PERFLUOROOCTANESULFONAMIDE ETHANOL (NMEFOSE, MEFOSE)	OR
EPA 1633A	NONAFLUORO-3,6-DIOXAHEPTANOIC ACID (NFDHA)	OR

METHOD	ANALYTE	PRIMARY
EPA 1633A	1H, 1H, 2H, 2H-PERFLUORODECANE SULFONIC ACID (8:2 FTS)	OR
EPA 1633A	1H, 1H, 2H, 2H-PERFLUOROOCTANE SULFONIC ACID (6:2 FTS)	OR
EPA 1633A	3-PERFLUOROHEPTYL PROPANOIC ACID (7:3 FTCA)	OR
EPA 1633A	4,8-DIOXA-3H-PERFLUORONONANOIC ACID (ADONA, DONA)	OR
EPA 1633A	HEXAFLUOROPROPYLENE OXIDE DIMER ACID (HFPO-DA, GENX)	OR
EPA 1633A	N-ETHYL PERFLUOROOCTANESULFONAMIDE ETHANOL (NETFOSE, ETFOSE)	OR
EPA 1633A	N-METHYL PERFLUOROOCTANESULFONAMIDE (NMEFOSA, MEFOSA)	OR
EPA 1633A	N-METHYLPERFLUORO-1-OCTANESULFONAMIDOACETIC ACID (N-MEFOSAA)	OR
EPA 1633A	PERFLUORO(2-ETHOXYETHANE)SULFONIC ACID (PFEESA)	OR

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Expiration Date: June 14, 2026

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
EPA 1633A	PERFLUORO-1-BUTANESULFONIC ACID (PFBS)	OR
EPA 1633A	PERFLUORO-1-HEPTANESULFONIC ACID (PFHPS)	OR
EPA 1633A	PERFLUORO-1-NONANESULFONIC ACID (PFNS)	OR
EPA 1633A	PERFLUORO-1-OCTANESULFONIC ACID (PFOS)	OR
EPA 1633A	PERFLUORO-3-METHOXYPROPANOIC ACID (PFMPA)	OR
EPA 1633A	PERFLUOROBUTANOIC ACID (PFBA)	OR
EPA 1633A	PERFLUORODODECANESULFONIC ACID (PFDOS)	OR
EPA 1633A	PERFLUOROHEPTANOIC ACID (PFHPA)	OR
EPA 1633A	PERFLUORONONANOIC ACID (PFNA)	OR
EPA 1633A	PERFLUOROPENTANOIC ACID (PFPEA)	OR
EPA 1633A	PERFLUOROTRIDECANOIC ACID (PFTRDA)	OR
EPA 8290 A	1,2,3,4,6,7,8,9-OCTACHLORODIBENZ O-P-DIOXIN (OCDD)	OR
EPA 8290 A	1,2,3,4,6,7,8-HEPTACHLORODIBENZ O-P-DIOXIN (1,2,3,4,6,7,8-HPCDD)	OR
EPA 8290 A	1,2,3,4,7,8,9-HEPTACHLORODIBENZ OFURAN (1,2,3,4,7,8,9-HPCDF)	OR
EPA 8290 A	1,2,3,4,7,8-HEXACHLORODIBENZOF URAN (1,2,3,4,7,8-HXCDF)	OR
EPA 8290 A	1,2,3,6,7,8-HEXACHLORODIBENZOF URAN (1,2,3,6,7,8-HXCDF)	OR
EPA 8290 A	1,2,3,7,8,9-HEXACHLORODIBENZOF URAN (1,2,3,7,8,9-HXCDF)	OR
EPA 8290 A	2,3,4,7,8-PENTACHLORODIBENZOF URAN (1,2,3,7,8-PECDF)	OR
EPA 8290 A	2,3,4,7,8-PENTACHLORODIBENZOF URAN	OR
EPA 8290 A	2,3,7,8-TETRACHLORODIBENZOFUR AN (2,3,7,8-TCDF)	OR
EPA 8290 A - EXTENDED	TOTAL HEPTACHLORODIBENZOFURAN (HPCDF, TOTAL)	OR
EPA 8290 A - EXTENDED	TOTAL HEXACHLORODIBENZOFURAN (HXCDF, TOTAL)	OR
EPA 8290 A - EXTENDED	TOTAL PENTACHLORODIBENZOFURAN (PECDF, TOTAL)	OR

METHOD	ANALYTE	PRIMARY
EPA 1633A	PERFLUORO-1-DECANESULFONIC ACID (PFDS)	OR
EPA 1633A	PERFLUORO-1-HEXANESULFONIC ACID (PFHXS)	OR
EPA 1633A	PERFLUORO-1-OCTANESULFONAMI DE (PFOSA, PFOSAM)	OR
EPA 1633A	PERFLUORO-1-PENTANESULFONIC ACID (PFPEA)	OR
EPA 1633A	PERFLUORO-4-METHOXYBUTANOIC ACID (PFMBA)	OR
EPA 1633A	PERFLUORODECANOIC ACID (PFDA)	OR
EPA 1633A	PERFLUORODODECANOIC ACID (PFDOD, PFDODA)	OR
EPA 1633A	PERFLUOROHEXANOIC ACID (PFHXA)	OR
EPA 1633A	PERFLUOROOCCTANOIC ACID (PFOA)	OR
EPA 1633A	PERFLUOROTETRADECANOIC ACID (PFTA, PFTDA, PFTEDA)	OR
EPA 1633A	PERFLUOROUNDECANOIC ACID (PFUNA, PFUNDA)	OR
EPA 8290 A	1,2,3,4,6,7,8,9-OCTACHLORODIBENZ OFURAN (OCDF)	OR
EPA 8290 A	1,2,3,4,6,7,8-HEPTACHLORODIBENZ OFURAN (1,2,3,4,6,7,8-HPCDF)	OR
EPA 8290 A	1,2,3,4,7,8-HEXACHLORODIBENZO-P -DIOXIN (1,2,3,4,7,8-HXCDD)	OR
EPA 8290 A	1,2,3,6,7,8-HEXACHLORODIBENZO-P -DIOXIN(1,2,3,6,7,8-HXCDD)	OR
EPA 8290 A	1,2,3,7,8,9-HEXACHLORODIBENZO-P -DIOXIN (1,2,3,7,8,9-HXCDD)	OR
EPA 8290 A	1,2,3,7,8-PENTACHLORODIBENZO-P -DIOXIN (1,2,3,7,8-PECDD)	OR
EPA 8290 A	2,3,4,6,7,8-HEXACHLORODIBENZOF URAN (2,3,4,6,7,8-HXCDF)	OR
EPA 8290 A	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN (2,3,7,8-TCDD)	OR
EPA 8290 A - EXTENDED	TOTAL HEPTACHLORODIBENZO-P-DIOXIN (HPCDD, TOTAL)	OR
EPA 8290 A - EXTENDED	TOTAL HEXACHLORODIBENZO-P-DIOXIN (HXCDD, TOTAL)	OR
EPA 8290 A - EXTENDED	TOTAL PENTACHLORODIBENZO-P-DIOXIN (PECDD, TOTAL)	OR
EPA 8290 A - EXTENDED	TOTAL TETRACHLORODIBENZO-P-DIOXIN (TCDD, TOTAL)	OR



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Expiration Date: June 14, 2026

SOLID AND CHEMICAL MATERIALS

<u>METHOD</u>	<u>ANALYTE</u>	<u>PRIMARY</u>	<u>METHOD</u>	<u>ANALYTE</u>	<u>PRIMARY</u>
EPA 8290 A - EXTENDED	TOTAL TETRACHLORODIBENZOFURAN (TCDF, TOTAL)	OR			