



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



Certifies that

**VA Laboratory ID#: 460295
Enthalpy Analytical, LLC
2714 Exchange Drive
Wilmington, NC 28405**

**Owner: MONTROSE ENVIRONMENTAL GROUP
Operator: ENTHALPY ANALYTICAL, LLC
Responsible Official: BRYAN VINING**

Having met the requirements of 1 VAC 30-46 and
having been found compliant with the 2009 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: December 15, 2021

Expiration Date: December 14, 2022

Certificate # 11652

A handwritten signature in blue ink that reads "Denise M. Toney".

**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.



Scope of Accreditation

VELAP Certificate No.: 11652

Enthalpy Analytical, LLC
 2714 Exchange Drive
 Wilmington, NC 28405

Virginia Laboratory ID: 460295
 Effective Date: December 15, 2021
 Expiration Date: December 14, 2022

AIR

| <u>METHOD</u> | <u>ANALYTE</u> | <u>PRIMARY</u> |
|---------------|--|----------------|
| EPA 23 | 1,2,3,4,6,7,8,9-OCTACHLORODIBENZ O-P-DIOXIN (OCDD) | LA DEQ |
| EPA 23 | 1,2,3,4,6,7,8-HEPTACHLORODIBENZ O-P-DIOXIN (1,2,3,4,6,7,8-HPCDD) | LA DEQ |
| EPA 23 | 1,2,3,4,7,8,9-HEPTACHLORODIBENZ OFURAN (1,2,3,4,7,8,9-HPCDF) | LA DEQ |
| EPA 23 | 1,2,3,4,7,8-HEXACHLORODIBENZOF URAN (1,2,3,4,7,8-HXCDF) | LA DEQ |
| EPA 23 | 1,2,3,6,7,8-HEXACHLORODIBENZOF URAN (1,2,3,6,7,8-HXCDF) | LA DEQ |
| EPA 23 | 1,2,3,7,8,9-HEXACHLORODIBENZOF URAN (1,2,3,7,8,9-HXCDF) | LA DEQ |
| EPA 23 | 1,2,3,7,8-PENTACHLORODIBENZOF URAN (1,2,3,7,8-PCDF) | LA DEQ |
| EPA 23 | 2,3,4,7,8-PENTACHLORODIBENZOF URAN | LA DEQ |
| EPA 23 | 2,3,7,8-TETRACHLORODIBENZOFUR AN (2,3,7,8-TCDF) | LA DEQ |

| <u>METHOD</u> | <u>ANALYTE</u> | <u>PRIMARY</u> |
|---------------|--|----------------|
| EPA 23 | 1,2,3,4,6,7,8,9-OCTACHLORODIBENZ OFURAN (OCDF) | LA DEQ |
| EPA 23 | 1,2,3,4,6,7,8-HEPTACHLORODIBENZ OFURAN (1,2,3,4,6,7,8-HPCDF) | LA DEQ |
| EPA 23 | 1,2,3,4,7,8-HEXACHLORODIBENZO-P -DIOXIN (1,2,3,4,7,8-HXCDD) | LA DEQ |
| EPA 23 | 1,2,3,6,7,8-HEXACHLORODIBENZO-P -DIOXIN(1,2,3,6,7,8-HXCDD) | LA DEQ |
| EPA 23 | 1,2,3,7,8,9-HEXACHLORODIBENZO-P -DIOXIN (1,2,3,7,8,9-HXCDD) | LA DEQ |
| EPA 23 | 1,2,3,7,8-PENTACHLORODIBENZO-P -DIOXIN (1,2,3,7,8-PCDD) | LA DEQ |
| EPA 23 | 2,3,4,6,7,8-HEXACHLORODIBENZOF URAN (2,3,4,6,7,8-HXCDF) | LA DEQ |
| EPA 23 | 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN (2,3,7,8-TCDD) | LA DEQ |

BIOLOGICAL TISSUE

| <u>METHOD</u> | <u>ANALYTE</u> | <u>PRIMARY</u> |
|---------------|--|----------------|
| EPA 1613 B | 1,2,3,4,6,7,8,9-OCTACHLORODIBENZ O-P-DIOXIN (OCDD) | LA DEQ |
| EPA 1613 B | 1,2,3,4,6,7,8-HEPTACHLORODIBENZ O-P-DIOXIN (1,2,3,4,6,7,8-HPCDD) | LA DEQ |
| EPA 1613 B | 1,2,3,4,7,8,9-HEPTACHLORODIBENZ OFURAN (1,2,3,4,7,8,9-HPCDF) | LA DEQ |
| EPA 1613 B | 1,2,3,4,7,8-HEXACHLORODIBENZOF URAN (1,2,3,4,7,8-HXCDF) | LA DEQ |
| EPA 1613 B | 1,2,3,6,7,8-HEXACHLORODIBENZOF URAN (1,2,3,6,7,8-HXCDF) | LA DEQ |
| EPA 1613 B | 1,2,3,7,8,9-HEXACHLORODIBENZOF URAN (1,2,3,7,8,9-HXCDF) | LA DEQ |
| EPA 1613 B | 1,2,3,7,8-PENTACHLORODIBENZOF URAN (1,2,3,7,8-PCDF) | LA DEQ |
| EPA 1613 B | 2,3,4,7,8-PENTACHLORODIBENZOF URAN | LA DEQ |
| EPA 1613 B | 2,3,7,8-TETRACHLORODIBENZOFUR AN (2,3,7,8-TCDF) | LA DEQ |
| EPA 8290 A | 1,2,3,4,6,7,8,9-OCTACHLORODIBENZ OFURAN (OCDF) | LA DEQ |
| EPA 8290 A | 1,2,3,4,6,7,8-HEPTACHLORODIBENZ OFURAN (1,2,3,4,6,7,8-HPCDF) | LA DEQ |
| EPA 8290 A | 1,2,3,4,7,8-HEXACHLORODIBENZO-P -DIOXIN (1,2,3,4,7,8-HXCDD) | LA DEQ |
| EPA 8290 A | 1,2,3,6,7,8-HEXACHLORODIBENZO-P -DIOXIN(1,2,3,6,7,8-HXCDD) | LA DEQ |
| EPA 8290 A | 1,2,3,7,8,9-HEXACHLORODIBENZO-P -DIOXIN (1,2,3,7,8,9-HXCDD) | LA DEQ |

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| EPA 1613 B | 1,2,3,4,6,7,8,9-OCTACHLORODIBENZ OFURAN (OCDF) | LA DEQ |
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| EPA 1613 B | 1,2,3,6,7,8-HEXACHLORODIBENZO-P -DIOXIN(1,2,3,6,7,8-HXCDD) | LA DEQ |
| EPA 1613 B | 1,2,3,7,8,9-HEXACHLORODIBENZO-P -DIOXIN (1,2,3,7,8,9-HXCDD) | LA DEQ |
| EPA 1613 B | 1,2,3,7,8-PENTACHLORODIBENZO-P -DIOXIN (1,2,3,7,8-PCDD) | LA DEQ |
| EPA 1613 B | 2,3,4,6,7,8-HEXACHLORODIBENZOF URAN (2,3,4,6,7,8-HXCDF) | LA DEQ |
| EPA 1613 B | 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN (2,3,7,8-TCDD) | LA DEQ |
| EPA 8290 A | 1,2,3,4,6,7,8,9-OCTACHLORODIBENZ O-P-DIOXIN (OCDD) | LA DEQ |
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| EPA 8290 A | 1,2,3,6,7,8-HEXACHLORODIBENZOF URAN (1,2,3,6,7,8-HXCDF) | LA DEQ |
| EPA 8290 A | 1,2,3,7,8,9-HEXACHLORODIBENZOF URAN (1,2,3,7,8,9-HXCDF) | LA DEQ |



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BIOLOGICAL TISSUE

| <u>METHOD</u> | <u>ANALYTE</u> | <u>PRIMARY</u> |
|-----------------------|---|----------------|
| EPA 8290 A | 1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN (1,2,3,7,8-PECDD) | LA DEQ |
| EPA 8290 A | 2,3,4,6,7,8-HEXACHLORODIBENZOFURAN (2,3,4,6,7,8-HXCDF) | LA DEQ |
| EPA 8290 A | 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN (2,3,7,8-TCDD) | LA DEQ |
| EPA 8290 A - EXTENDED | TOTAL HEPTACHLORODIBENZO-P-DIOXIN (HPCDD, TOTAL) | LA DEQ |
| EPA 8290 A - EXTENDED | TOTAL HEXACHLORODIBENZO-P-DIOXIN (HXCDD, TOTAL) | LA DEQ |
| EPA 8290 A - EXTENDED | TOTAL PENTACHLORODIBENZO-P-DIOXIN (PECDD, TOTAL) | LA DEQ |
| EPA 8290 A - EXTENDED | TOTAL TETRACHLORODIBENZO-P-DIOXIN (TCDD, TOTAL) | LA DEQ |

| <u>METHOD</u> | <u>ANALYTE</u> | <u>PRIMARY</u> |
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| EPA 8290 A | 1,2,3,7,8-PENTACHLORODIBENZOFURAN (1,2,3,7,8-PCDF) | LA DEQ |
| EPA 8290 A | 2,3,4,7,8-PENTACHLORODIBENZOFURAN | LA DEQ |
| EPA 8290 A | 2,3,7,8-TETRACHLORODIBENZOFURAN (2,3,7,8-TCDF) | LA DEQ |
| EPA 8290 A - EXTENDED | TOTAL HEPTACHLORODIBENZOFURAN (HPCDF, TOTAL) | LA DEQ |
| EPA 8290 A - EXTENDED | TOTAL HEXACHLORODIBENZOFURAN (HXCDF, TOTAL) | LA DEQ |
| EPA 8290 A - EXTENDED | TOTAL PENTACHLORODIBENZOFURAN (PCDF, TOTAL) | LA DEQ |
| EPA 8290 A - EXTENDED | TOTAL TETRACHLORODIBENZOFURAN (TCDF, TOTAL) | LA DEQ |

NON-POTABLE WATER

| <u>METHOD</u> | <u>ANALYTE</u> | <u>PRIMARY</u> |
|---------------|---|----------------|
| EPA 1613 B | 1,2,3,4,6,7,8-OCTACHLORODIBENZO-P-DIOXIN (OCDD) | LA DEQ |
| EPA 1613 B | 1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN (1,2,3,4,6,7,8-HPCDD) | LA DEQ |
| EPA 1613 B | 1,2,3,4,7,8,9-HEPTACHLORODIBENZO-P-DIOXIN (1,2,3,4,7,8,9-HPCDF) | LA DEQ |
| EPA 1613 B | 1,2,3,4,7,8-HEXACHLORODIBENZOFURAN (1,2,3,4,7,8-HXCDF) | LA DEQ |
| EPA 1613 B | 1,2,3,6,7,8-HEXACHLORODIBENZOFURAN (1,2,3,6,7,8-HXCDF) | LA DEQ |
| EPA 1613 B | 1,2,3,7,8,9-HEXACHLORODIBENZOFURAN (1,2,3,7,8,9-HXCDF) | LA DEQ |
| EPA 1613 B | 1,2,3,7,8-PENTACHLORODIBENZOFURAN (1,2,3,7,8-PCDF) | LA DEQ |
| EPA 1613 B | 2,3,4,7,8-PENTACHLORODIBENZOFURAN | LA DEQ |
| EPA 1613 B | 2,3,7,8-TETRACHLORODIBENZOFURAN (2,3,7,8-TCDF) | LA DEQ |
| EPA 8290 A | 1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-P-DIOXIN (OCDF) | LA DEQ |
| EPA 8290 A | 1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN (1,2,3,4,6,7,8-HPCDD) | LA DEQ |
| EPA 8290 A | 1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN (1,2,3,4,7,8-HXCDD) | LA DEQ |
| EPA 8290 A | 1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN (1,2,3,6,7,8-HXCDD) | LA DEQ |
| EPA 8290 A | 1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN (1,2,3,7,8,9-HXCDD) | LA DEQ |
| EPA 8290 A | 1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN (1,2,3,7,8-PECDD) | LA DEQ |

| <u>METHOD</u> | <u>ANALYTE</u> | <u>PRIMARY</u> |
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| EPA 1613 B | 1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-P-DIOXIN (OCDF) | LA DEQ |
| EPA 1613 B | 1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN (1,2,3,4,6,7,8-HPCDF) | LA DEQ |
| EPA 1613 B | 1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN (1,2,3,4,7,8-HXCDD) | LA DEQ |
| EPA 1613 B | 1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN (1,2,3,6,7,8-HXCDD) | LA DEQ |
| EPA 1613 B | 1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN (1,2,3,7,8,9-HXCDD) | LA DEQ |
| EPA 1613 B | 1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN (1,2,3,7,8-PECDD) | LA DEQ |
| EPA 1613 B | 2,3,4,6,7,8-HEXACHLORODIBENZOFURAN (2,3,4,6,7,8-HXCDF) | LA DEQ |
| EPA 1613 B | 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN (2,3,7,8-TCDD) | LA DEQ |
| EPA 8290 A | 1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-P-DIOXIN (OCDD) | LA DEQ |
| EPA 8290 A | 1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN (1,2,3,4,6,7,8-HPCDD) | LA DEQ |
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| EPA 8290 A | 1,2,3,6,7,8-HEXACHLORODIBENZOFURAN (1,2,3,6,7,8-HXCDF) | LA DEQ |
| EPA 8290 A | 1,2,3,7,8,9-HEXACHLORODIBENZOFURAN (1,2,3,7,8,9-HXCDF) | LA DEQ |



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NON-POTABLE WATER

| <u>METHOD</u> | <u>ANALYTE</u> | <u>PRIMARY</u> |
|-----------------------|---|----------------|
| EPA 8290 A | 1,2,3,7,8-PENTACHLORODIBENZOFURAN (1,2,3,7,8-PECDF) | LA DEQ |
| EPA 8290 A | 2,3,4,7,8-PENTACHLORODIBENZOFURAN | LA DEQ |
| EPA 8290 A | 2,3,7,8-TETRACHLORODIBENZOFURAN (2,3,7,8-TCDF) | LA DEQ |
| EPA 8290 A - EXTENDED | TOTAL HEPTACHLORODIBENZOFURAN (HPCDF, TOTAL) | LA DEQ |
| EPA 8290 A - EXTENDED | TOTAL HEXACHLORODIBENZOFURAN (HXCDF, TOTAL) | LA DEQ |
| EPA 8290 A - EXTENDED | TOTAL PENTACHLORODIBENZOFURAN (PECDF, TOTAL) | LA DEQ |
| EPA 8290 A - EXTENDED | TOTAL TETRACHLORODIBENZOFURAN (TCDF, TOTAL) | LA DEQ |

| <u>METHOD</u> | <u>ANALYTE</u> | <u>PRIMARY</u> |
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| EPA 8290 A | 2,3,4,6,7,8-HEXACHLORODIBENZOFURAN (2,3,4,6,7,8-HXCDF) | LA DEQ |
| EPA 8290 A | 2,3,7,8-TETRACHLORODIBENZOP-DIOXIN (2,3,7,8-TCDD) | LA DEQ |
| EPA 8290 A - EXTENDED | TOTAL HEPTACHLORODIBENZOP-DIOXIN (HPCDD, TOTAL) | LA DEQ |
| EPA 8290 A - EXTENDED | TOTAL HEXACHLORODIBENZOP-DIOXIN (HXCDD, TOTAL) | LA DEQ |
| EPA 8290 A - EXTENDED | TOTAL PENTACHLORODIBENZOP-DIOXIN (PECDD, TOTAL) | LA DEQ |
| EPA 8290 A - EXTENDED | TOTAL TETRACHLORODIBENZOP-DIOXIN (TCDD, TOTAL) | LA DEQ |

SOLID AND CHEMICAL MATERIALS

| <u>METHOD</u> | <u>ANALYTE</u> | <u>PRIMARY</u> |
|---------------|--|----------------|
| EPA 1613 B | 1,2,3,4,6,7,8,9-OCTACHLORODIBENZOP-DIOXIN (OCDD) | LA DEQ |
| EPA 1613 B | 1,2,3,4,6,7,8-HEPTACHLORODIBENZOP-DIOXIN (1,2,3,4,6,7,8-HPCDD) | LA DEQ |
| EPA 1613 B | 1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN (1,2,3,4,7,8,9-HPCDF) | LA DEQ |
| EPA 1613 B | 1,2,3,4,7,8-HEXACHLORODIBENZOFURAN (1,2,3,4,7,8-HXCDF) | LA DEQ |
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| EPA 1613 B | 1,2,3,7,8-PENTACHLORODIBENZOFURAN (1,2,3,7,8-PECDF) | LA DEQ |
| EPA 1613 B | 2,3,4,7,8-PENTACHLORODIBENZOFURAN | LA DEQ |
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| EPA 8290 A | 1,2,3,4,6,7,8-OCTACHLORODIBENZOP-DIOXIN (OCDF) | LA DEQ |
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| EPA 8290 A | 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN (2,3,7,8-TCDD) | LA DEQ |
| EPA 8290 A - EXTENDED | TOTAL HEPTACHLORODIBENZO-P-DIOXIN (HPCDD, TOTAL) | LA DEQ |
| EPA 8290 A - EXTENDED | TOTAL HEXACHLORODIBENZO-P-DIOXIN (HXCDD, TOTAL) | LA DEQ |
| EPA 8290 A - EXTENDED | TOTAL PENTACHLORODIBENZO-P-DIOXIN (PECDD, TOTAL) | LA DEQ |
| EPA 8290 A - EXTENDED | TOTAL TETRACHLORODIBENZO-P-DIOXIN (TCDD, TOTAL) | LA DEQ |

| <u>METHOD</u> | <u>ANALYTE</u> | <u>PRIMARY</u> |
|-----------------------|---|----------------|
| EPA 8290 A | 1,2,3,7,8-PENTACHLORODIBENZOFURAN (1,2,3,7,8-PECDF) | LA DEQ |
| EPA 8290 A | 2,3,4,7,8-PENTACHLORODIBENZOFURAN | LA DEQ |
| EPA 8290 A | 2,3,7,8-TETRACHLORODIBENZOFURAN (2,3,7,8-TCDF) | LA DEQ |
| EPA 8290 A - EXTENDED | TOTAL HEPTACHLORODIBENZOFURAN (HPCDF, TOTAL) | LA DEQ |
| EPA 8290 A - EXTENDED | TOTAL HEXACHLORODIBENZOFURAN (HXCDF, TOTAL) | LA DEQ |
| EPA 8290 A - EXTENDED | TOTAL PENTACHLORODIBENZOFURAN (PECDF, TOTAL) | LA DEQ |
| EPA 8290 A - EXTENDED | TOTAL TETRACHLORODIBENZOFURAN (TCDF, TOTAL) | LA DEQ |