



**Minnesota Department of Health  
Environmental Laboratory Accreditation Program**



Issues accreditation to

State Laboratory ID: 037-999-488

EPA Lab Code: NC01463

**Enthalpy Analytical, LLC  
2714 Exchange Drive  
Wilmington, NC 28405**

for fields of accreditation listed on the laboratory's accompanying Scope of Certification  
in accordance with the provisions in Minnesota Laws and Rules.

Continued accreditation is contingent upon successful on-going compliance with Minnesota Statutes 144.97 to 144.98, 2016 TNI Standard and applicable Minnesota Rules 4740.2010 to 4740.2120. The laboratory's Scope of Certification cites the specific programs, methods, analytes and matrices for which MDH issues this accreditation.

This certificate is valid proof of accreditation only when associated with its accompanying Scope of Certification.

The Scope of Certification and reports of on-site assessments are on file at the Minnesota Department of Health, 601 Robert Street North, Saint Paul, Minnesota. Customers may verify the laboratory's accreditation status in Minnesota by contacting MNELAP at (651) 201-5324.

Effective Date: 07/23/2021

Expires: 12/31/2021

Certificate Number: 2109751

Issued under the authority  
delegated by the  
Commissioner of Health,  
State of Minnesota



*Environmental Laboratory Accreditation Program  
Scope of Certification*

**THIS LISTING OF FIELDS OF ACCREDITATION MUST BE  
ACCOMPANIED BY CERTIFICATE NUMBER: 2109751**

State Laboratory ID: 037-999-488

EPA Lab Code: NC01463

Issue Date: 7/23/2021

Expiration Date: 12/31/2021

**Enthalpy Analytical, LLC**  
2714 Exchange Drive  
Wilmington, NC 28405

**Clean Air Act**

**EPA Method 23**

Preparation Techniques: N/A

<b>Program</b>	<b>Method</b>	<b>Analyte</b>	<b>Matrix</b>	<b>Primary</b>	<b>SOP</b>
CAA	EPA Method 23	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	AIR	LA_DEQ	
CAA	EPA Method 23	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	AIR	LA_DEQ	
CAA	EPA Method 23	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-hpcdd)	AIR	LA_DEQ	
CAA	EPA Method 23	1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-hpcdf)	AIR	LA_DEQ	
CAA	EPA Method 23	1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-hpcdf)	AIR	LA_DEQ	
CAA	EPA Method 23	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,4,7,8-Hxcdd)	AIR	LA_DEQ	
CAA	EPA Method 23	1,2,3,4,7,8-Hexachlorodibenzofuran (1,2,3,4,7,8-Hxcdf)	AIR	LA_DEQ	
CAA	EPA Method 23	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin(1,2,3,6,7,8-Hxcdd)	AIR	LA_DEQ	
CAA	EPA Method 23	1,2,3,6,7,8-Hexachlorodibenzofuran (1,2,3,6,7,8-Hxcdf)	AIR	LA_DEQ	
CAA	EPA Method 23	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (1,2,3,7,8,9-Hxcdd)	AIR	LA_DEQ	
CAA	EPA Method 23	1,2,3,7,8,9-Hexachlorodibenzofuran (1,2,3,7,8,9-Hxcdf)	AIR	LA_DEQ	

Program	Method	Analyte	Matrix	Primary	SOP
CAA	EPA Method 23	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (1,2,3,7,8-Pecdd)	AIR	LA_DEQ	
CAA	EPA Method 23	1,2,3,7,8-Pentachlorodibenzofuran (1,2,3,7,8-Pecdf)	AIR	LA_DEQ	
CAA	EPA Method 23	2,3,4,6,7,8-Hexachlorodibenzofuran	AIR	LA_DEQ	
CAA	EPA Method 23	2,3,4,7,8-Pentachlorodibenzofuran	AIR	LA_DEQ	
CAA	EPA Method 23	2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD)	AIR	LA_DEQ	
CAA	EPA Method 23	2,3,7,8-Tetrachlorodibenzofuran	AIR	LA_DEQ	

## Clean Water Program

### EPA 537.1

Preparation Techniques: Extraction, solid phase (SPE);

Program	Method	Analyte	Matrix	Primary	SOP
CWP	EPA 537.1	4:2 fluorotelomer sulfonate (4:2 FTS)	NPW	LA_DEQ	User Defined EU047 Rev. 6
CWP	EPA 537.1	6:2 fluorotelomersulfonate (6:2 FTS)	NPW	LA_DEQ	User Defined EU047 Rev. 6
CWP	EPA 537.1	8:2 fluorotelomersulfonate (8:2 FTS)	NPW	LA_DEQ	User Defined EU047 Rev. 6
CWP	EPA 537.1	Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX)	NPW	LA_DEQ	User Defined EU047 Rev. 6
CWP	EPA 537.1	N-Ethylperfluorooctane sulfonamido acetic acid NEtFOSAA)	NPW	LA_DEQ	User Defined EU047 Rev. 6
CWP	EPA 537.1	N-Methylperfluorooctane sulfonamido acetic acid (N-MeFOSAA)	NPW	LA_DEQ	User Defined EU047 Rev. 6
CWP	EPA 537.1	Perfluorobutane sulfonate (PFBS)	NPW	LA_DEQ	User Defined EU047 Rev. 6
CWP	EPA 537.1	Perfluorobutanoic acid (PFBA)	NPW	LA_DEQ	User Defined EU047 Rev. 6
CWP	EPA 537.1	Perfluorodecane sulfonate (PFDS)	NPW	LA_DEQ	User Defined EU047 Rev. 6
CWP	EPA 537.1	Perfluorodecanoic acid (PFDA)	NPW	LA_DEQ	User Defined EU047 Rev. 6
CWP	EPA 537.1	Perfluorododecanoic acid (PFDOA)	NPW	LA_DEQ	User Defined EU047 Rev. 6
CWP	EPA 537.1	Perfluoroheptane sulfonic acid (PFHpS)	NPW	LA_DEQ	User Defined EU047 Rev. 6
CWP	EPA 537.1	Perfluoroheptanoic acid (PFHpA)	NPW	LA_DEQ	User Defined EU047 Rev. 6
CWP	EPA 537.1	Perfluoroheptane sulfonate (PFHxS)	NPW	LA_DEQ	User Defined EU047 Rev. 6
CWP	EPA 537.1	Perfluoroheptanoic acid (PFHxA)	NPW	LA_DEQ	User Defined EU047 Rev. 6
CWP	EPA 537.1	Perfluorononane sulfonate (PFNS)	NPW	LA_DEQ	User Defined EU047 Rev. 6
CWP	EPA 537.1	Perfluorononanoic acid (PFNA)	NPW	LA_DEQ	User Defined EU047 Rev. 6
CWP	EPA 537.1	Perfluorooctane sulfonamide (PFOSAm)	NPW	LA_DEQ	User Defined EU047 Rev. 6
CWP	EPA 537.1	Perfluorooctane sulfonate (PFOS)	NPW	LA_DEQ	User Defined EU047 Rev. 6
CWP	EPA 537.1	Perfluorooctanoic acid (PFOA)	NPW	LA_DEQ	User Defined EU047 Rev. 6

Program	Method	Analyte	Matrix	Primary	SOP
CWP	EPA 537.1	Perfluoropentane sulfonate (PFPeS)	NPW	LA_DEQ	User Defined EU047 Rev. 6
CWP	EPA 537.1	Perfluoropentanoic acid (PFPeA)	NPW	LA_DEQ	User Defined EU047 Rev. 6
CWP	EPA 537.1	Perfluorotetradecanoic acid (PFTDA)	NPW	LA_DEQ	User Defined EU047 Rev. 6
CWP	EPA 537.1	Perfluorotridecanoic acid (PFTrDA)	NPW	LA_DEQ	User Defined EU047 Rev. 6
CWP	EPA 537.1	Perfluoroundecanoic acid (PFUDA)	NPW	LA_DEQ	User Defined EU047 Rev. 6

### EPA 1613B

Preparation Techniques: Extraction, automated soxhlet; Extraction, solid phase (SPE); Extraction, separatory funnel liquid-liquid (LLE);

Program	Method	Analyte	Matrix	Primary	SOP
CWP	EPA 1613B	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	NPW	LA_DEQ	
CWP	EPA 1613B	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	NPW	LA_DEQ	
CWP	EPA 1613B	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-hpcdd)	NPW	LA_DEQ	
CWP	EPA 1613B	1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-hpcdf)	NPW	LA_DEQ	
CWP	EPA 1613B	1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-hpcdf)	NPW	LA_DEQ	
CWP	EPA 1613B	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,4,7,8-Hxcdd)	NPW	LA_DEQ	
CWP	EPA 1613B	1,2,3,4,7,8-Hexachlorodibenzofuran (1,2,3,4,7,8-Hxcdf)	NPW	LA_DEQ	
CWP	EPA 1613B	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin(1,2,3,6,7,8-Hxcdd)	NPW	LA_DEQ	
CWP	EPA 1613B	1,2,3,6,7,8-Hexachlorodibenzofuran (1,2,3,6,7,8-Hxcdf)	NPW	LA_DEQ	
CWP	EPA 1613B	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (1,2,3,7,8,9-Hxcdd)	NPW	LA_DEQ	
CWP	EPA 1613B	1,2,3,7,8,9-Hexachlorodibenzofuran (1,2,3,7,8,9-Hxcdf)	NPW	LA_DEQ	
CWP	EPA 1613B	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (1,2,3,7,8-Pecdd)	NPW	LA_DEQ	
CWP	EPA 1613B	1,2,3,7,8-Pentachlorodibenzofuran (1,2,3,7,8-Pecdf)	NPW	LA_DEQ	
CWP	EPA 1613B	2,3,4,6,7,8-Hexachlorodibenzofuran	NPW	LA_DEQ	
CWP	EPA 1613B	2,3,4,7,8-Pentachlorodibenzofuran	NPW	LA_DEQ	
CWP	EPA 1613B	2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD)	NPW	LA_DEQ	
CWP	EPA 1613B	2,3,7,8-Tetrachlorodibenzofuran	NPW	LA_DEQ	
CWP	EPA 1613B	Total HpCDD	NPW	LA_DEQ	

Program	Method	Analyte	Matrix	Primary	SOP
CWP	EPA 1613B	Total HpCDF	NPW	LA_DEQ	
CWP	EPA 1613B	Total HxCDD	NPW	LA_DEQ	
CWP	EPA 1613B	Total HxCDF	NPW	LA_DEQ	
CWP	EPA 1613B	Total PeCDD	NPW	LA_DEQ	
CWP	EPA 1613B	Total PeCDF	NPW	LA_DEQ	
CWP	EPA 1613B	Total TCDD	NPW	LA_DEQ	
CWP	EPA 1613B	Total TCDF	NPW	LA_DEQ	

## Resource Conservation Recovery Program

### EPA 1613B

Preparation Techniques: Extraction, automated soxhlet; Extraction, solid phase (SPE); Extraction, separatory funnel liquid-liquid (LLE);

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 1613B	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	SCM	LA_DEQ	
RCRP	EPA 1613B	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	SCM	LA_DEQ	
RCRP	EPA 1613B	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-hpcdd)	SCM	LA_DEQ	
RCRP	EPA 1613B	1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-hpcdf)	SCM	LA_DEQ	
RCRP	EPA 1613B	1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-hpcdf)	SCM	LA_DEQ	
RCRP	EPA 1613B	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,4,7,8-Hxcdd)	SCM	LA_DEQ	
RCRP	EPA 1613B	1,2,3,4,7,8-Hexachlorodibenzofuran (1,2,3,4,7,8-Hxcdf)	SCM	LA_DEQ	
RCRP	EPA 1613B	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin(1,2,3,6,7,8-Hxcdd)	SCM	LA_DEQ	
RCRP	EPA 1613B	1,2,3,6,7,8-Hexachlorodibenzofuran (1,2,3,6,7,8-Hxcdf)	SCM	LA_DEQ	
RCRP	EPA 1613B	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (1,2,3,7,8,9-Hxcdd)	SCM	LA_DEQ	
RCRP	EPA 1613B	1,2,3,7,8,9-Hexachlorodibenzofuran (1,2,3,7,8,9-Hxcdf)	SCM	LA_DEQ	
RCRP	EPA 1613B	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (1,2,3,7,8-Pecdd)	SCM	LA_DEQ	
RCRP	EPA 1613B	1,2,3,7,8-Pentachlorodibenzofuran (1,2,3,7,8-Pecdf)	SCM	LA_DEQ	
RCRP	EPA 1613B	2,3,4,6,7,8-Hexachlorodibenzofuran	SCM	LA_DEQ	
RCRP	EPA 1613B	2,3,4,7,8-Pentachlorodibenzofuran	SCM	LA_DEQ	

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 1613B	2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD)	SCM	LA_DEQ	
RCRP	EPA 1613B	2,3,7,8-Tetrachlorodibenzofuran	SCM	LA_DEQ	
RCRP	EPA 1613B	Total HpCDD	SCM	LA_DEQ	
RCRP	EPA 1613B	Total HpCDF	SCM	LA_DEQ	
RCRP	EPA 1613B	Total HxCDD	SCM	LA_DEQ	
RCRP	EPA 1613B	Total HxCDF	SCM	LA_DEQ	
RCRP	EPA 1613B	Total PeCDD	SCM	LA_DEQ	
RCRP	EPA 1613B	Total PeCDF	SCM	LA_DEQ	
RCRP	EPA 1613B	Total TCDD	SCM	LA_DEQ	
RCRP	EPA 1613B	Total TCDF	SCM	LA_DEQ	

### EPA 8290

Preparation Techniques: Extraction, separatory funnel liquid-liquid (LLE); Extraction, soxhlet; Extraction, continuous liquid-liquid (LLE);

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 8290	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	SCM	LA_DEQ	
RCRP	EPA 8290	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	NPW	LA_DEQ	
RCRP	EPA 8290	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	SCM	LA_DEQ	
RCRP	EPA 8290	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	NPW	LA_DEQ	
RCRP	EPA 8290	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-hpcdd)	NPW	LA_DEQ	
RCRP	EPA 8290	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-hpcdd)	SCM	LA_DEQ	
RCRP	EPA 8290	1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-hpcdf)	NPW	LA_DEQ	
RCRP	EPA 8290	1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-hpcdf)	SCM	LA_DEQ	
RCRP	EPA 8290	1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-hpcdf)	SCM	LA_DEQ	
RCRP	EPA 8290	1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-hpcdf)	NPW	LA_DEQ	
RCRP	EPA 8290	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,4,7,8-Hxcdd)	SCM	LA_DEQ	
RCRP	EPA 8290	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,4,7,8-Hxcdd)	NPW	LA_DEQ	
RCRP	EPA 8290	1,2,3,4,7,8-Hexachlorodibenzofuran (1,2,3,4,7,8-Hxcdf)	SCM	LA_DEQ	

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 8290	1,2,3,4,7,8-Hexachlorodibenzofuran (1,2,3,4,7,8-Hxcdf)	NPW	LA_DEQ	
RCRP	EPA 8290	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin(1,2,3,6,7,8-Hxcdd)	NPW	LA_DEQ	
RCRP	EPA 8290	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin(1,2,3,6,7,8-Hxcdd)	SCM	LA_DEQ	
RCRP	EPA 8290	1,2,3,6,7,8-Hexachlorodibenzofuran (1,2,3,6,7,8-Hxcdf)	SCM	LA_DEQ	
RCRP	EPA 8290	1,2,3,6,7,8-Hexachlorodibenzofuran (1,2,3,6,7,8-Hxcdf)	NPW	LA_DEQ	
RCRP	EPA 8290	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (1,2,3,7,8,9-Hxcdd)	SCM	LA_DEQ	
RCRP	EPA 8290	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (1,2,3,7,8,9-Hxcdd)	NPW	LA_DEQ	
RCRP	EPA 8290	1,2,3,7,8,9-Hexachlorodibenzofuran (1,2,3,7,8,9-Hxcdf)	NPW	LA_DEQ	
RCRP	EPA 8290	1,2,3,7,8,9-Hexachlorodibenzofuran (1,2,3,7,8,9-Hxcdf)	SCM	LA_DEQ	
RCRP	EPA 8290	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (1,2,3,7,8-Pecdd)	NPW	LA_DEQ	
RCRP	EPA 8290	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (1,2,3,7,8-Pecdd)	SCM	LA_DEQ	
RCRP	EPA 8290	1,2,3,7,8-Pentachlorodibenzofuran (1,2,3,7,8-Pecdf)	SCM	LA_DEQ	
RCRP	EPA 8290	1,2,3,7,8-Pentachlorodibenzofuran (1,2,3,7,8-Pecdf)	NPW	LA_DEQ	
RCRP	EPA 8290	2,3,4,6,7,8-Hexachlorodibenzofuran	NPW	LA_DEQ	
RCRP	EPA 8290	2,3,4,6,7,8-Hexachlorodibenzofuran	SCM	LA_DEQ	
RCRP	EPA 8290	2,3,4,7,8-Pentachlorodibenzofuran	SCM	LA_DEQ	
RCRP	EPA 8290	2,3,4,7,8-Pentachlorodibenzofuran	NPW	LA_DEQ	
RCRP	EPA 8290	2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD)	SCM	LA_DEQ	
RCRP	EPA 8290	2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD)	NPW	LA_DEQ	
RCRP	EPA 8290	2,3,7,8-Tetrachlorodibenzofuran	SCM	LA_DEQ	
RCRP	EPA 8290	2,3,7,8-Tetrachlorodibenzofuran	NPW	LA_DEQ	
RCRP	EPA 8290	Total Hpcdd	NPW	LA_DEQ	
RCRP	EPA 8290	Total Hpcdd	SCM	LA_DEQ	
RCRP	EPA 8290	Total Hpcdf	SCM	LA_DEQ	
RCRP	EPA 8290	Total Hpcdf	NPW	LA_DEQ	
RCRP	EPA 8290	Total Hxcdd	SCM	LA_DEQ	
RCRP	EPA 8290	Total Hxcdd	NPW	LA_DEQ	
RCRP	EPA 8290	Total Hxcdf	SCM	LA_DEQ	
RCRP	EPA 8290	Total Hxcdf	NPW	LA_DEQ	

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 8290	Total Pecdd	NPW	LA_DEQ	
RCRP	EPA 8290	Total Pecdd	SCM	LA_DEQ	
RCRP	EPA 8290	Total Pecdf	SCM	LA_DEQ	
RCRP	EPA 8290	Total Pecdf	NPW	LA_DEQ	
RCRP	EPA 8290	Total TCDD	NPW	LA_DEQ	
RCRP	EPA 8290	Total TCDD	SCM	LA_DEQ	
RCRP	EPA 8290	Total TCDF	SCM	LA_DEQ	
RCRP	EPA 8290	Total TCDF	NPW	LA_DEQ	

### EPA 8290A

Preparation Techniques: Extraction, separatory funnel liquid-liquid (LLE); Extraction, soxhlet; Extraction, continuous liquid-liquid (LLE);

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 8290A	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	SCM	LA_DEQ	
RCRP	EPA 8290A	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	NPW	LA_DEQ	
RCRP	EPA 8290A	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	TISSUE	LA_DEQ	
RCRP	EPA 8290A	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	NPW	LA_DEQ	
RCRP	EPA 8290A	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	TISSUE	LA_DEQ	
RCRP	EPA 8290A	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	SCM	LA_DEQ	
RCRP	EPA 8290A	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-hpcdd)	TISSUE	LA_DEQ	
RCRP	EPA 8290A	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-hpcdd)	NPW	LA_DEQ	
RCRP	EPA 8290A	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-hpcdd)	SCM	LA_DEQ	
RCRP	EPA 8290A	1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-hpcdf)	NPW	LA_DEQ	
RCRP	EPA 8290A	1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-hpcdf)	TISSUE	LA_DEQ	
RCRP	EPA 8290A	1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-hpcdf)	SCM	LA_DEQ	
RCRP	EPA 8290A	1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-hpcdf)	NPW	LA_DEQ	
RCRP	EPA 8290A	1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-hpcdf)	SCM	LA_DEQ	
RCRP	EPA 8290A	1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-hpcdf)	TISSUE	LA_DEQ	



Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 8290A	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,4,7,8-Hxcdd)	TISSUE	LA_DEQ	
RCRP	EPA 8290A	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,4,7,8-Hxcdd)	SCM	LA_DEQ	
RCRP	EPA 8290A	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,4,7,8-Hxcdd)	NPW	LA_DEQ	
RCRP	EPA 8290A	1,2,3,4,7,8-Hexachlorodibenzofuran (1,2,3,4,7,8-Hxcdf)	SCM	LA_DEQ	
RCRP	EPA 8290A	1,2,3,4,7,8-Hexachlorodibenzofuran (1,2,3,4,7,8-Hxcdf)	NPW	LA_DEQ	
RCRP	EPA 8290A	1,2,3,4,7,8-Hexachlorodibenzofuran (1,2,3,4,7,8-Hxcdf)	TISSUE	LA_DEQ	
RCRP	EPA 8290A	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin(1,2,3,6,7,8-Hxcdd)	NPW	LA_DEQ	
RCRP	EPA 8290A	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin(1,2,3,6,7,8-Hxcdd)	SCM	LA_DEQ	
RCRP	EPA 8290A	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin(1,2,3,6,7,8-Hxcdd)	TISSUE	LA_DEQ	
RCRP	EPA 8290A	1,2,3,6,7,8-Hexachlorodibenzofuran (1,2,3,6,7,8-Hxcdf)	TISSUE	LA_DEQ	
RCRP	EPA 8290A	1,2,3,6,7,8-Hexachlorodibenzofuran (1,2,3,6,7,8-Hxcdf)	SCM	LA_DEQ	
RCRP	EPA 8290A	1,2,3,6,7,8-Hexachlorodibenzofuran (1,2,3,6,7,8-Hxcdf)	NPW	LA_DEQ	
RCRP	EPA 8290A	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (1,2,3,7,8,9-Hxcdd)	SCM	LA_DEQ	
RCRP	EPA 8290A	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (1,2,3,7,8,9-Hxcdd)	NPW	LA_DEQ	
RCRP	EPA 8290A	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (1,2,3,7,8,9-Hxcdd)	TISSUE	LA_DEQ	
RCRP	EPA 8290A	1,2,3,7,8,9-Hexachlorodibenzofuran (1,2,3,7,8,9-Hxcdf)	NPW	LA_DEQ	
RCRP	EPA 8290A	1,2,3,7,8,9-Hexachlorodibenzofuran (1,2,3,7,8,9-Hxcdf)	SCM	LA_DEQ	
RCRP	EPA 8290A	1,2,3,7,8,9-Hexachlorodibenzofuran (1,2,3,7,8,9-Hxcdf)	TISSUE	LA_DEQ	
RCRP	EPA 8290A	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (1,2,3,7,8-Pecdd)	SCM	LA_DEQ	
RCRP	EPA 8290A	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (1,2,3,7,8-Pecdd)	NPW	LA_DEQ	
RCRP	EPA 8290A	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (1,2,3,7,8-Pecdd)	TISSUE	LA_DEQ	
RCRP	EPA 8290A	1,2,3,7,8-Pentachlorodibenzofuran (1,2,3,7,8-Pecdf)	NPW	LA_DEQ	
RCRP	EPA 8290A	1,2,3,7,8-Pentachlorodibenzofuran (1,2,3,7,8-Pecdf)	TISSUE	LA_DEQ	
RCRP	EPA 8290A	1,2,3,7,8-Pentachlorodibenzofuran (1,2,3,7,8-Pecdf)	SCM	LA_DEQ	
RCRP	EPA 8290A	2,3,4,6,7,8-Hexachlorodibenzofuran	SCM	LA_DEQ	

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 8290A	2,3,4,6,7,8-Hexachlorodibenzofuran	NPW	LA_DEQ	
RCRP	EPA 8290A	2,3,4,6,7,8-Hexachlorodibenzofuran	TISSUE	LA_DEQ	
RCRP	EPA 8290A	2,3,4,7,8-Pentachlorodibenzofuran	NPW	LA_DEQ	
RCRP	EPA 8290A	2,3,4,7,8-Pentachlorodibenzofuran	TISSUE	LA_DEQ	
RCRP	EPA 8290A	2,3,4,7,8-Pentachlorodibenzofuran	SCM	LA_DEQ	
RCRP	EPA 8290A	2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD)	TISSUE	LA_DEQ	
RCRP	EPA 8290A	2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD)	NPW	LA_DEQ	
RCRP	EPA 8290A	2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD)	SCM	LA_DEQ	
RCRP	EPA 8290A	2,3,7,8-Tetrachlorodibenzofuran	TISSUE	LA_DEQ	
RCRP	EPA 8290A	2,3,7,8-Tetrachlorodibenzofuran	SCM	LA_DEQ	
RCRP	EPA 8290A	2,3,7,8-Tetrachlorodibenzofuran	NPW	LA_DEQ	
RCRP	EPA 8290A	Total Heptachlorodibenzo-p-dioxin (HpCDD, Total)	SCM	LA_DEQ	
RCRP	EPA 8290A	Total Heptachlorodibenzo-p-dioxin (HpCDD, Total)	NPW	LA_DEQ	
RCRP	EPA 8290A	Total Heptachlorodibenzofuran (HpCDF, Total)	SCM	LA_DEQ	
RCRP	EPA 8290A	Total Heptachlorodibenzofuran (HpCDF, Total)	NPW	LA_DEQ	
RCRP	EPA 8290A	Total Hexachlorodibenzo-p-dioxin (HxCDD, Total)	NPW	LA_DEQ	
RCRP	EPA 8290A	Total Hexachlorodibenzo-p-dioxin (HxCDD, Total)	SCM	LA_DEQ	
RCRP	EPA 8290A	Total Hexachlorodibenzofuran (HxCDF, Total)	SCM	LA_DEQ	
RCRP	EPA 8290A	Total Hexachlorodibenzofuran (HxCDF, Total)	NPW	LA_DEQ	
RCRP	EPA 8290A	Total HpCDD	TISSUE	LA_DEQ	
RCRP	EPA 8290A	Total HpCDF	TISSUE	LA_DEQ	
RCRP	EPA 8290A	Total HxCDD	TISSUE	LA_DEQ	
RCRP	EPA 8290A	Total HxCDF	TISSUE	LA_DEQ	
RCRP	EPA 8290A	Total PeCDD	TISSUE	LA_DEQ	
RCRP	EPA 8290A	Total PeCDF	TISSUE	LA_DEQ	
RCRP	EPA 8290A	Total Pentachlorodibenzo-p-dioxin (PeCDD, Total)	NPW	LA_DEQ	
RCRP	EPA 8290A	Total Pentachlorodibenzo-p-dioxin (PeCDD, Total)	SCM	LA_DEQ	
RCRP	EPA 8290A	Total Pentachlorodibenzofuran (PeCDF, Total)	NPW	LA_DEQ	
RCRP	EPA 8290A	Total Pentachlorodibenzofuran (PeCDF, Total)	SCM	LA_DEQ	

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 8290A	Total TCDD	TISSUE	LA_DEQ	
RCRP	EPA 8290A	Total TCDD	TISSUE	LA_DEQ	
RCRP	EPA 8290A	Total TCDF	TISSUE	LA_DEQ	
RCRP	EPA 8290A	Total TCDF	NPW	LA_DEQ	
RCRP	EPA 8290A	Total Tetrachlorodibenzo-p-dioxin (TCDD, Total)	SCM	LA_DEQ	
RCRP	EPA 8290A	Total Tetrachlorodibenzo-p-dioxin (TCDD, Total)	NPW	LA_DEQ	
RCRP	EPA 8290A	Total Tetrachlorodibenzofuran (TCDF, Total)	SCM	LA_DEQ	
RCRP	EPA 8290A	Total Tetrachlorodibenzofuran (TCDF, Total)	NPW	LA_DEQ	

## Safe Drinking Water Program

### EPA 533

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
SDWP	EPA 533	1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS)	DW	FL	
SDWP	EPA 533	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	DW	FL	
SDWP	EPA 533	1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS)	DW	FL	
SDWP	EPA 533	1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS)	DW	FL	
SDWP	EPA 533	4,8-Dioxa-3H-perfluorononanoic acid (DONA)	DW	FL	
SDWP	EPA 533	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	DW	FL	
SDWP	EPA 533	Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX)	DW	FL	
SDWP	EPA 533	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	DW	FL	
SDWP	EPA 533	Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	DW	FL	
SDWP	EPA 533	Perfluoro-3-methoxypropanoic acid (PFMPA)	DW	FL	
SDWP	EPA 533	Perfluoro-4-methoxybutanoic acid (PFMBA)	DW	FL	
SDWP	EPA 533	Perfluorobutane sulfonic acid (PFBS)	DW	FL	
SDWP	EPA 533	Perfluorobutanoic acid (PFBA)	DW	FL	
SDWP	EPA 533	Perfluorodecanoic acid (PFDA)	DW	FL	

Program	Method	Analyte	Matrix	Primary	SOP
SDWP	EPA 533	Perfluorododecanoic acid (PFDOA)	DW	FL	
SDWP	EPA 533	Perfluoroheptane sulfonic acid (PFHpS)	DW	FL	
SDWP	EPA 533	Perfluoroheptanoic acid (PFHpA)	DW	FL	
SDWP	EPA 533	Perfluorohexane sulfonic acid (PFHxS)	DW	FL	
SDWP	EPA 533	Perfluorohexanoic acid (PFHxA)	DW	FL	
SDWP	EPA 533	Perfluorononanoic acid (PFNA)	DW	FL	
SDWP	EPA 533	Perfluorooctane sulfonic acid (PFOS)	DW	FL	
SDWP	EPA 533	Perfluorooctanoic acid (PFOA)	DW	FL	
SDWP	EPA 533	Perfluoropentane sulfonic acid (PFPeS)	DW	FL	
SDWP	EPA 533	Perfluoropentanoic acid (PFPeA)	DW	FL	
SDWP	EPA 533	Perfluoroundecanoic acid (PFUDA)	DW	FL	

### EPA 537.1

Preparation Techniques: Extraction, solid phase (SPE);

Program	Method	Analyte	Matrix	Primary	SOP
SDWP	EPA 537.1	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	DW	FL	
SDWP	EPA 537.1	4,8-Dioxa-3H-perfluorononanoic acid (DONA)	DW	FL	
SDWP	EPA 537.1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	DW	FL	
SDWP	EPA 537.1	Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX)	DW	FL	
SDWP	EPA 537.1	N-Ethylperfluorooctane sulfonamido acetic acid NEtFOSAA)	DW	FL	
SDWP	EPA 537.1	N-Methylperfluorooctane sulfonamido acetic acid (N-MeFOSAA)	DW	FL	
SDWP	EPA 537.1	Perfluorobutane sulfonic acid (PFBS)	DW	FL	
SDWP	EPA 537.1	Perfluorodecanoic acid (PFDA)	DW	FL	
SDWP	EPA 537.1	Perfluorododecanoic acid (PFDOA)	DW	FL	
SDWP	EPA 537.1	Perfluoroheptanoic acid (PFHpA)	DW	FL	
SDWP	EPA 537.1	Perfluorohexane sulfonic acid (PFHxS)	DW	FL	
SDWP	EPA 537.1	Perfluorohexanoic acid (PFHxA)	DW	FL	
SDWP	EPA 537.1	Perfluorononanoic acid (PFNA)	DW	FL	
SDWP	EPA 537.1	Perfluorooctane sulfonic acid (PFOS)	DW	FL	
SDWP	EPA 537.1	Perfluorooctanoic acid (PFOA)	DW	FL	
SDWP	EPA 537.1	Perfluorotetradecanoic acid (PFTDA)	DW	FL	
SDWP	EPA 537.1	Perfluorotridecanoic acid (PFTTrDA)	DW	FL	

<b>Program</b>	<b>Method</b>	<b>Analyte</b>	<b>Matrix</b>	<b>Primary</b>	<b>SOP</b>
SDWP	EPA 537.1	Perfluoroundecanoic acid (PFUDA)	DW	FL	

Note: Method beginning with "SM" refer to the approved editions of Standard methods for the Examination of Water and Wastes. Approved methods are listed in the applicable parts of Title 40 of the Code of Federal Regulations (including its subsequent Federal Register updates), MN Statutes and Rules, and state-issued permits.