



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



Issues accreditation to

State Laboratory ID: 006-999-466

EPA Lab Code: CA00413

**Enthalpy Analytical LLC**

**1104 Windfield Way**

**El Dorado Hills, CA 95762**

**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: 12/06/2024**

**Expires: 12/31/2025**

**Certificate Number: 2837630**

**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: 2837630**

State Laboratory ID: 006-999-466

EPA Lab Code: CA00413

Issue Date: 12/6/2024

Expiration Date: 12/31/2025

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

**Clean Water Program**

**EPA 1633 Rev. Jan 2024**

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
CWP	EPA 1633 Rev. Jan 2024	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	NPW	OR	
CWP	EPA 1633 Rev. Jan 2024	1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS)	NPW	OR	
CWP	EPA 1633 Rev. Jan 2024	1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS)	NPW	OR	
CWP	EPA 1633 Rev. Jan 2024	1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS)	NPW	OR	
CWP	EPA 1633 Rev. Jan 2024	2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA)	NPW	OR	
CWP	EPA 1633 Rev. Jan 2024	2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NPW	OR	
CWP	EPA 1633 Rev. Jan 2024	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3 FTCA)	NPW	OR	
CWP	EPA 1633 Rev. Jan 2024	4,8-Dioxa-3H-perfluorononanoic acid (DONA)	NPW	OR	
CWP	EPA 1633 Rev. Jan 2024	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	NPW	OR	
CWP	EPA 1633 Rev. Jan 2024	Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX)	NPW	OR	
CWP	EPA 1633 Rev. Jan 2024	N-Ethylperfluorooctane sulfonamide (EtFOSAm)	NPW	OR	

Program	Method	Analyte	Matrix	Primary	SOP
CWP	EPA 1633 Rev. Jan 2024	N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	NPW	OR	
CWP	EPA 1633 Rev. Jan 2024	N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE)	NPW	OR	
CWP	EPA 1633 Rev. Jan 2024	N-Methylperfluorooctane sulfonamide (MeFOSA)	NPW	OR	
CWP	EPA 1633 Rev. Jan 2024	N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	NPW	OR	
CWP	EPA 1633 Rev. Jan 2024	N-Methylperfluorooctane sulfonamido ethanol (MeFOSE)	NPW	OR	
CWP	EPA 1633 Rev. Jan 2024	Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	NPW	OR	
CWP	EPA 1633 Rev. Jan 2024	Perfluoro(2-ethoxyethane) sulfonic acid (PFEEA)	NPW	OR	
CWP	EPA 1633 Rev. Jan 2024	Perfluoro-3-methoxypropanoic acid (PFMPA)	NPW	OR	
CWP	EPA 1633 Rev. Jan 2024	Perfluoro-4-methoxybutanoic acid (PFMBA)	NPW	OR	
CWP	EPA 1633 Rev. Jan 2024	Perfluorobutane sulfonic acid (PFBS)	NPW	OR	
CWP	EPA 1633 Rev. Jan 2024	Perfluorobutanoic acid (PFBA)	NPW	OR	
CWP	EPA 1633 Rev. Jan 2024	Perfluorodecane sulfonic acid (PFDS)	NPW	OR	
CWP	EPA 1633 Rev. Jan 2024	Perfluorodecanoic acid (PFDA)	NPW	OR	
CWP	EPA 1633 Rev. Jan 2024	Perfluorododecane sulfonic acid (PFDoS)	NPW	OR	
CWP	EPA 1633 Rev. Jan 2024	Perfluorododecanoic acid (PFDOA)	NPW	OR	
CWP	EPA 1633 Rev. Jan 2024	Perfluoroheptane sulfonic acid (PFHpS)	NPW	OR	
CWP	EPA 1633 Rev. Jan 2024	Perfluoroheptanoic acid (PFHpA)	NPW	OR	
CWP	EPA 1633 Rev. Jan 2024	Perfluorohexane sulfonic acid (PFHxS)	NPW	OR	
CWP	EPA 1633 Rev. Jan 2024	Perfluorohexanoic acid (PFHxA)	NPW	OR	
CWP	EPA 1633 Rev. Jan 2024	Perfluorononane sulfonic acid (PFNS)	NPW	OR	
CWP	EPA 1633 Rev. Jan 2024	Perfluorononanoic acid (PFNA)	NPW	OR	
CWP	EPA 1633 Rev. Jan 2024	Perfluorooctane sulfonamide (PFOSAm)	NPW	OR	
CWP	EPA 1633 Rev. Jan 2024	Perfluorooctane sulfonic acid (PFOS)	NPW	OR	
CWP	EPA 1633 Rev. Jan 2024	Perfluorooctanoic acid (PFOA)	NPW	OR	
CWP	EPA 1633 Rev. Jan 2024	Perfluoropentane sulfonic acid (PFPeS)	NPW	OR	
CWP	EPA 1633 Rev. Jan 2024	Perfluoropentanoic acid (PFPeA)	NPW	OR	
CWP	EPA 1633 Rev. Jan 2024	Perfluorotetradecanoic acid (PFTDA)	NPW	OR	
CWP	EPA 1633 Rev. Jan 2024	Perfluorotridecanoic acid (PFTTrDA)	NPW	OR	
CWP	EPA 1633 Rev. Jan 2024	Perfluoroundecanoic acid (PFUnDA)	NPW	OR	

**EPA 537 Rev. 1.1**

## Preparation Techniques: Extraction, solid phase (SPE);

Program	Method	Analyte	Matrix	Primary	SOP
CWP	EPA 537 Rev. 1.1	11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	NPW	OR	User Defined SOP-49 Rev. 24
CWP	EPA 537 Rev. 1.1	1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS)	NPW	OR	User Defined SOP-49 Rev. 24
CWP	EPA 537 Rev. 1.1	1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS)	NPW	OR	User Defined SOP-49 Rev. 24
CWP	EPA 537 Rev. 1.1	1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS)	NPW	OR	User Defined SOP-49 Rev. 24
CWP	EPA 537 Rev. 1.1	1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS)	NPW	OR	User Defined SOP-49 Rev. 24
CWP	EPA 537 Rev. 1.1	2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NPW	OR	User Defined SOP-49 Rev. 24
CWP	EPA 537 Rev. 1.1	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3 FTCA)	NPW	OR	User Defined SOP-49 Rev. 24
CWP	EPA 537 Rev. 1.1	4,8-Dioxa-3H-perfluorononanoic acid (DONA)	NPW	OR	User Defined SOP-49 Rev. 24
CWP	EPA 537 Rev. 1.1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	NPW	OR	User Defined SOP-49 Rev. 24
CWP	EPA 537 Rev. 1.1	Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX)	NPW	OR	User Defined SOP-49 Rev. 24
CWP	EPA 537 Rev. 1.1	N-Ethylperfluorooctane sulfonamide (EtFOSA <sub>m</sub> )	NPW	OR	User Defined SOP-49 Rev. 24
CWP	EPA 537 Rev. 1.1	N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSA <sub>AA</sub> )	NPW	OR	User Defined SOP-49 Rev. 24
CWP	EPA 537 Rev. 1.1	N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE)	NPW	OR	User Defined SOP-49 Rev. 24
CWP	EPA 537 Rev. 1.1	N-Methylperfluorooctane sulfonamide (MeFOSA)	NPW	OR	User Defined SOP-49 Rev. 24
CWP	EPA 537 Rev. 1.1	N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSA <sub>AA</sub> )	NPW	OR	User Defined SOP-49 Rev. 24
CWP	EPA 537 Rev. 1.1	N-Methylperfluorooctane sulfonamido ethanol (MeFOSE)	NPW	OR	User Defined SOP-49 Rev. 24
CWP	EPA 537 Rev. 1.1	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NPW	OR	User Defined SOP-49 Rev. 24
CWP	EPA 537 Rev. 1.1	Perfluoro(2-ethoxyethane) sulfonic acid (PFEEESA)	NPW	OR	User Defined SOP-49 Rev. 24
CWP	EPA 537 Rev. 1.1	Perfluoro-3-methoxypropanoic acid (PFMPA)	NPW	OR	User Defined SOP-49 Rev. 24
CWP	EPA 537 Rev. 1.1	Perfluoro-4-methoxybutanoic acid (PFMBA)	NPW	OR	User Defined SOP-49 Rev. 24
CWP	EPA 537 Rev. 1.1	Perfluorobutane sulfonic acid (PFBS)	NPW	OR	User Defined SOP-49 Rev. 24
CWP	EPA 537 Rev. 1.1	Perfluorobutanoic acid (PFBA)	NPW	OR	User Defined SOP-49 Rev. 24
CWP	EPA 537 Rev. 1.1	Perfluorodecane sulfonic acid (PFDS)	NPW	OR	User Defined SOP-49 Rev. 24
CWP	EPA 537 Rev. 1.1	Perfluorodecanoic acid (PFDA)	NPW	OR	User Defined SOP-49 Rev. 24
CWP	EPA 537 Rev. 1.1	Perfluorododecane sulfonic acid (PFDoS)	NPW	OR	User Defined SOP-49 Rev. 24

Program	Method	Analyte	Matrix	Primary	SOP
CWP	EPA 537 Rev. 1.1	Perfluorododecanoic acid (PFDOA)	NPW	OR	User Defined SOP-49 Rev. 24
CWP	EPA 537 Rev. 1.1	Perfluoroheptane sulfonic acid (PFHpS)	NPW	OR	User Defined SOP-49 Rev. 24
CWP	EPA 537 Rev. 1.1	Perfluoroheptanoic acid (PFHpA)	NPW	OR	User Defined SOP-49 Rev. 24
CWP	EPA 537 Rev. 1.1	Perfluorohexadecanoic acid (PFHXDA)	NPW	OR	User Defined SOP-49 Rev. 24
CWP	EPA 537 Rev. 1.1	Perfluorohexane sulfonic acid (PFHxS)	NPW	OR	User Defined SOP-49 Rev. 24
CWP	EPA 537 Rev. 1.1	Perfluorohexanoic acid (PFHxA)	NPW	OR	User Defined SOP-49 Rev. 24
CWP	EPA 537 Rev. 1.1	Perfluorononane sulfonic acid (PFNS)	NPW	OR	User Defined SOP-49 Rev. 24
CWP	EPA 537 Rev. 1.1	Perfluorononanoic acid (PFNA)	NPW	OR	User Defined SOP-49 Rev. 24
CWP	EPA 537 Rev. 1.1	Perfluorooctadecanoic acid (PFODA)	NPW	OR	User Defined SOP-49 Rev. 24
CWP	EPA 537 Rev. 1.1	Perfluorooctane sulfonamide (PFOSAm)	NPW	OR	User Defined SOP-49 Rev. 24
CWP	EPA 537 Rev. 1.1	Perfluorooctane sulfonic acid (PFOS)	NPW	OR	User Defined SOP-49 Rev. 24
CWP	EPA 537 Rev. 1.1	Perfluorooctanoic acid (PFOA)	NPW	OR	User Defined SOP-49 Rev. 24
CWP	EPA 537 Rev. 1.1	Perfluoropentane sulfonic acid (PFPeS)	NPW	OR	User Defined SOP-49 Rev. 24
CWP	EPA 537 Rev. 1.1	Perfluoropentanoic acid (PFPeA)	NPW	OR	User Defined SOP-49 Rev. 24
CWP	EPA 537 Rev. 1.1	Perfluorotetradecanoic acid (PFTDA)	NPW	OR	User Defined SOP-49 Rev. 24
CWP	EPA 537 Rev. 1.1	Perfluorotridecanoic acid (PFTrDA)	NPW	OR	User Defined SOP-49 Rev. 24
CWP	EPA 537 Rev. 1.1	Perfluoroundecanoic acid (PFUnDA)	NPW	OR	User Defined SOP-49 Rev. 24

### EPA 1613B

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

Program	Method	Analyte	Matrix	Primary	SOP
CWP	EPA 1613B	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	NPW	OR	
CWP	EPA 1613B	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	NPW	OR	
CWP	EPA 1613B	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-hpcdd)	NPW	OR	
CWP	EPA 1613B	1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-hpcdf)	NPW	OR	
CWP	EPA 1613B	1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-hpcdf)	NPW	OR	
CWP	EPA 1613B	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,4,7,8-Hxcdd)	NPW	OR	
CWP	EPA 1613B	1,2,3,4,7,8-Hexachlorodibenzofuran (1,2,3,4,7,8-Hxcdf)	NPW	OR	
CWP	EPA 1613B	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin(1,2,3,6,7,8-Hxcdd)	NPW	OR	
CWP	EPA 1613B	1,2,3,6,7,8-Hexachlorodibenzofuran (1,2,3,6,7,8-Hxcdf)	NPW	OR	

Program	Method	Analyte	Matrix	Primary	SOP
CWP	EPA 1613B	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (1,2,3,7,8,9-Hxcdd)	NPW	OR	
CWP	EPA 1613B	1,2,3,7,8,9-Hexachlorodibenzofuran (1,2,3,7,8,9-Hxcdf)	NPW	OR	
CWP	EPA 1613B	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (1,2,3,7,8-Pecdd)	NPW	OR	
CWP	EPA 1613B	1,2,3,7,8-Pentachlorodibenzofuran (1,2,3,7,8-Pecdf)	NPW	OR	
CWP	EPA 1613B	2,3,4,6,7,8-Hexachlorodibenzofuran	NPW	OR	
CWP	EPA 1613B	2,3,4,7,8-Pentachlorodibenzofuran	NPW	OR	
CWP	EPA 1613B	2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD)	NPW	OR	
CWP	EPA 1613B	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	NPW	OR	
CWP	EPA 1613B	Total Heptachlorodibenzo-p-dioxin (Total HPCDD)	NPW	OR	
CWP	EPA 1613B	Total Heptachlorodibenzofuran (Total HPCDF)	NPW	OR	
CWP	EPA 1613B	Total Hexachlorodibenzo-p-dioxin (Total HXCDD)	NPW	OR	
CWP	EPA 1613B	Total Hexachlorodibenzofuran (Total HXCDF)	NPW	OR	
CWP	EPA 1613B	Total Pentachlorodibenzo-p-dioxin (Total PECDD)	NPW	OR	
CWP	EPA 1613B	Total Pentachlorodibenzofuran (Total PECDF)	NPW	OR	
CWP	EPA 1613B	Total Tetrachlorodibenzo-p-dioxin (Total TCDD)	NPW	OR	
CWP	EPA 1613B	Total Tetrachlorodibenzofuran (Total TCDF)	NPW	OR	

## Resource Conservation Recovery Program

### EPA 1633 Rev. Jan 2024

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 1633 Rev. Jan 2024	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	SCM	OR	
RCRP	EPA 1633 Rev. Jan 2024	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	NPW	OR	
RCRP	EPA 1633 Rev. Jan 2024	1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS)	SCM	OR	
RCRP	EPA 1633 Rev. Jan 2024	1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS)	NPW	OR	
RCRP	EPA 1633 Rev. Jan 2024	1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS)	SCM	OR	

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 1633 Rev. Jan 2024	1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS)	NPW	OR	
RCRP	EPA 1633 Rev. Jan 2024	1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS)	NPW	OR	
RCRP	EPA 1633 Rev. Jan 2024	1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS)	SCM	OR	
RCRP	EPA 1633 Rev. Jan 2024	2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA)	SCM	OR	
RCRP	EPA 1633 Rev. Jan 2024	2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA)	NPW	OR	
RCRP	EPA 1633 Rev. Jan 2024	2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	SCM	OR	
RCRP	EPA 1633 Rev. Jan 2024	2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NPW	OR	
RCRP	EPA 1633 Rev. Jan 2024	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3 FTCA)	NPW	OR	
RCRP	EPA 1633 Rev. Jan 2024	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3 FTCA)	SCM	OR	
RCRP	EPA 1633 Rev. Jan 2024	4,8-Dioxa-3H-perfluorononanoic acid (DONA)	NPW	OR	
RCRP	EPA 1633 Rev. Jan 2024	4,8-Dioxa-3H-perfluorononanoic acid (DONA)	SCM	OR	
RCRP	EPA 1633 Rev. Jan 2024	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	SCM	OR	
RCRP	EPA 1633 Rev. Jan 2024	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	NPW	OR	
RCRP	EPA 1633 Rev. Jan 2024	Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX)	NPW	OR	
RCRP	EPA 1633 Rev. Jan 2024	Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX)	SCM	OR	
RCRP	EPA 1633 Rev. Jan 2024	N-Ethylperfluorooctane sulfonamide (EtFOSAm)	SCM	OR	
RCRP	EPA 1633 Rev. Jan 2024	N-Ethylperfluorooctane sulfonamide (EtFOSAm)	NPW	OR	
RCRP	EPA 1633 Rev. Jan 2024	N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	SCM	OR	
RCRP	EPA 1633 Rev. Jan 2024	N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	NPW	OR	
RCRP	EPA 1633 Rev. Jan 2024	N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE)	NPW	OR	
RCRP	EPA 1633 Rev. Jan 2024	N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE)	SCM	OR	
RCRP	EPA 1633 Rev. Jan 2024	N-Methylperfluorooctane sulfonamide (MeFOSA)	NPW	OR	
RCRP	EPA 1633 Rev. Jan 2024	N-Methylperfluorooctane sulfonamide (MeFOSA)	SCM	OR	
RCRP	EPA 1633 Rev. Jan 2024	N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	NPW	OR	
RCRP	EPA 1633 Rev. Jan 2024	N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	SCM	OR	

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 1633 Rev. Jan 2024	N-Methylperfluorooctane sulfonamido ethanol (MeFOSE)	NPW	OR	
RCRP	EPA 1633 Rev. Jan 2024	N-Methylperfluorooctane sulfonamido ethanol (MeFOSE)	SCM	OR	
RCRP	EPA 1633 Rev. Jan 2024	Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	NPW	OR	
RCRP	EPA 1633 Rev. Jan 2024	Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	SCM	OR	
RCRP	EPA 1633 Rev. Jan 2024	Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)	NPW	OR	
RCRP	EPA 1633 Rev. Jan 2024	Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)	SCM	OR	
RCRP	EPA 1633 Rev. Jan 2024	Perfluoro-3-methoxypropanoic acid (PFMPA)	NPW	OR	
RCRP	EPA 1633 Rev. Jan 2024	Perfluoro-3-methoxypropanoic acid (PFMPA)	SCM	OR	
RCRP	EPA 1633 Rev. Jan 2024	Perfluoro-4-methoxybutanoic acid (PFMBA)	NPW	OR	
RCRP	EPA 1633 Rev. Jan 2024	Perfluoro-4-methoxybutanoic acid (PFMBA)	SCM	OR	
RCRP	EPA 1633 Rev. Jan 2024	Perfluorobutane sulfonic acid (PFBS)	SCM	OR	
RCRP	EPA 1633 Rev. Jan 2024	Perfluorobutane sulfonic acid (PFBS)	NPW	OR	
RCRP	EPA 1633 Rev. Jan 2024	Perfluorobutanoic acid (PFBA)	NPW	OR	
RCRP	EPA 1633 Rev. Jan 2024	Perfluorobutanoic acid (PFBA)	SCM	OR	
RCRP	EPA 1633 Rev. Jan 2024	Perfluorodecane sulfonic acid (PFDS)	SCM	OR	
RCRP	EPA 1633 Rev. Jan 2024	Perfluorodecane sulfonic acid (PFDS)	NPW	OR	
RCRP	EPA 1633 Rev. Jan 2024	Perfluorodecanoic acid (PFDA)	NPW	OR	
RCRP	EPA 1633 Rev. Jan 2024	Perfluorodecanoic acid (PFDA)	SCM	OR	
RCRP	EPA 1633 Rev. Jan 2024	Perfluorododecane sulfonic acid (PFDoS)	SCM	OR	
RCRP	EPA 1633 Rev. Jan 2024	Perfluorododecane sulfonic acid (PFDoS)	NPW	OR	
RCRP	EPA 1633 Rev. Jan 2024	Perfluorododecanoic acid (PFDOA)	SCM	OR	
RCRP	EPA 1633 Rev. Jan 2024	Perfluorododecanoic acid (PFDOA)	NPW	OR	
RCRP	EPA 1633 Rev. Jan 2024	Perfluoroheptane sulfonic acid (PFHpS)	SCM	OR	
RCRP	EPA 1633 Rev. Jan 2024	Perfluoroheptane sulfonic acid (PFHpS)	NPW	OR	
RCRP	EPA 1633 Rev. Jan 2024	Perfluoroheptanoic acid (PFHpA)	NPW	OR	
RCRP	EPA 1633 Rev. Jan 2024	Perfluoroheptanoic acid (PFHpA)	SCM	OR	
RCRP	EPA 1633 Rev. Jan 2024	Perfluorohexane sulfonic acid (PFHxS)	NPW	OR	
RCRP	EPA 1633 Rev. Jan 2024	Perfluorohexane sulfonic acid (PFHxS)	SCM	OR	
RCRP	EPA 1633 Rev. Jan 2024	Perfluorohexanoic acid (PFHxA)	NPW	OR	
RCRP	EPA 1633 Rev. Jan 2024	Perfluorohexanoic acid (PFHxA)	SCM	OR	
RCRP	EPA 1633 Rev. Jan 2024	Perfluorononane sulfonic acid (PFNS)	SCM	OR	
RCRP	EPA 1633 Rev. Jan 2024	Perfluorononane sulfonic acid (PFNS)	NPW	OR	



Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 1633 Rev. Jan 2024	Perfluorononanoic acid (PFNA)	NPW	OR	
RCRP	EPA 1633 Rev. Jan 2024	Perfluorononanoic acid (PFNA)	SCM	OR	
RCRP	EPA 1633 Rev. Jan 2024	Perfluorooctane sulfonamide (PFOSAm)	NPW	OR	
RCRP	EPA 1633 Rev. Jan 2024	Perfluorooctane sulfonamide (PFOSAm)	SCM	OR	
RCRP	EPA 1633 Rev. Jan 2024	Perfluorooctane sulfonic acid (PFOS)	NPW	OR	
RCRP	EPA 1633 Rev. Jan 2024	Perfluorooctane sulfonic acid (PFOS)	SCM	OR	
RCRP	EPA 1633 Rev. Jan 2024	Perfluorooctanoic acid (PFOA)	NPW	OR	
RCRP	EPA 1633 Rev. Jan 2024	Perfluorooctanoic acid (PFOA)	SCM	OR	
RCRP	EPA 1633 Rev. Jan 2024	Perfluoropentane sulfonic acid (PFPeS)	SCM	OR	
RCRP	EPA 1633 Rev. Jan 2024	Perfluoropentane sulfonic acid (PFPeS)	NPW	OR	
RCRP	EPA 1633 Rev. Jan 2024	Perfluoropentanoic acid (PFPeA)	NPW	OR	
RCRP	EPA 1633 Rev. Jan 2024	Perfluoropentanoic acid (PFPeA)	SCM	OR	
RCRP	EPA 1633 Rev. Jan 2024	Perfluorotetradecanoic acid (PFTDA)	SCM	OR	
RCRP	EPA 1633 Rev. Jan 2024	Perfluorotetradecanoic acid (PFTDA)	NPW	OR	
RCRP	EPA 1633 Rev. Jan 2024	Perfluorotridecanoic acid (PFTrDA)	NPW	OR	
RCRP	EPA 1633 Rev. Jan 2024	Perfluorotridecanoic acid (PFTrDA)	SCM	OR	
RCRP	EPA 1633 Rev. Jan 2024	Perfluoroundecanoic acid (PFUnDA)	SCM	OR	
RCRP	EPA 1633 Rev. Jan 2024	Perfluoroundecanoic acid (PFUnDA)	NPW	OR	

### EPA 537 Rev. 1.1

Preparation Techniques: Extraction, solid phase (SPE);

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 537 Rev. 1.1	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	SCM	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	NPW	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	TISSUE	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS)	TISSUE	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS)	SCM	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS)	NPW	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS)	NPW	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS)	TISSUE	OR	User Defined SOP-49 Rev. 24

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 537 Rev. 1.1	1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS)	SCM	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS)	SCM	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS)	TISSUE	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS)	NPW	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS)	NPW	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS)	SCM	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS)	TISSUE	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NPW	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	TISSUE	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	SCM	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3 FTCA)	SCM	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3 FTCA)	NPW	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3 FTCA)	TISSUE	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	4,8-Dioxa-3H-perfluorononanoic acid (DONA)	SCM	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	4,8-Dioxa-3H-perfluorononanoic acid (DONA)	TISSUE	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	4,8-Dioxa-3H-perfluorononanoic acid (DONA)	NPW	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	TISSUE	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	NPW	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	SCM	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX)	SCM	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX)	TISSUE	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX)	NPW	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	N-Ethylperfluorooctane sulfonamide (EtFOSAm)	TISSUE	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	N-Ethylperfluorooctane sulfonamide (EtFOSAm)	NPW	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	N-Ethylperfluorooctane sulfonamide (EtFOSAm)	SCM	OR	User Defined SOP-49 Rev. 24

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 537 Rev. 1.1	N-Ethylperfluorooctane sulfonamido acetic acid (NEIFOSAA)	NPW	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	N-Ethylperfluorooctane sulfonamido acetic acid (NEIFOSAA)	TISSUE	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	N-Ethylperfluorooctane sulfonamido acetic acid (NEIFOSAA)	SCM	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE)	SCM	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE)	TISSUE	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE)	NPW	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	N-Methylperfluorooctane sulfonamide (MeFOSA)	TISSUE	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	N-Methylperfluorooctane sulfonamide (MeFOSA)	NPW	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	N-Methylperfluorooctane sulfonamide (MeFOSA)	SCM	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	NPW	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	SCM	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	TISSUE	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	N-Methylperfluorooctane sulfonamido ethanol (MeFOSE)	TISSUE	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	N-Methylperfluorooctane sulfonamido ethanol (MeFOSE)	SCM	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	N-Methylperfluorooctane sulfonamido ethanol (MeFOSE)	NPW	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NPW	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	TISSUE	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	SCM	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluoro(2-ethoxyethane) sulfonic acid (PFEEISA)	SCM	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluoro(2-ethoxyethane) sulfonic acid (PFEEISA)	NPW	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluoro(2-ethoxyethane) sulfonic acid (PFEEISA)	TISSUE	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluoro-3-methoxypropanoic acid (PFMPA)	SCM	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluoro-3-methoxypropanoic acid (PFMPA)	NPW	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluoro-3-methoxypropanoic acid (PFMPA)	TISSUE	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluoro-4-methoxybutanoic acid (PFMBA)	TISSUE	OR	User Defined SOP-49 Rev. 24

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 537 Rev. 1.1	Perfluoro-4-methoxybutanoic acid (PFMBA)	NPW	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluoro-4-methoxybutanoic acid (PFMBA)	SCM	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluorobutane sulfonic acid (PFBS)	SCM	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluorobutane sulfonic acid (PFBS)	TISSUE	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluorobutane sulfonic acid (PFBS)	NPW	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluorobutanoic acid (PFBA)	SCM	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluorobutanoic acid (PFBA)	TISSUE	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluorobutanoic acid (PFBA)	NPW	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluorodecane sulfonic acid (PFDS)	TISSUE	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluorodecane sulfonic acid (PFDS)	NPW	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluorodecane sulfonic acid (PFDS)	SCM	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluorodecanoic acid (PFDA)	NPW	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluorodecanoic acid (PFDA)	SCM	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluorodecanoic acid (PFDA)	TISSUE	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluorododecane sulfonic acid (PFDoS)	TISSUE	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluorododecane sulfonic acid (PFDoS)	SCM	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluorododecane sulfonic acid (PFDoS)	NPW	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluorododecanoic acid (PFDOA)	TISSUE	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluorododecanoic acid (PFDOA)	SCM	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluorododecanoic acid (PFDOA)	NPW	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluoroheptane sulfonic acid (PFHpS)	TISSUE	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluoroheptane sulfonic acid (PFHpS)	NPW	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluoroheptane sulfonic acid (PFHpS)	SCM	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluoroheptanoic acid (PFHpA)	TISSUE	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluoroheptanoic acid (PFHpA)	SCM	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluoroheptanoic acid (PFHpA)	NPW	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluorohexadecanoic acid (PFHXDA)	TISSUE	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluorohexadecanoic acid (PFHXDA)	SCM	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluorohexadecanoic acid (PFHXDA)	NPW	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluorohexane sulfonic acid (PFHxS)	SCM	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluorohexane sulfonic acid (PFHxS)	NPW	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluorohexane sulfonic acid (PFHxS)	TISSUE	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluorohexanoic acid (PFHxA)	NPW	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluorohexanoic acid (PFHxA)	SCM	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluorohexanoic acid (PFHxA)	TISSUE	OR	User Defined SOP-49 Rev. 24

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 537 Rev. 1.1	Perfluorononane sulfonic acid (PFNS)	SCM	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluorononane sulfonic acid (PFNS)	NPW	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluorononane sulfonic acid (PFNS)	TISSUE	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluorononanoic acid (PFNA)	SCM	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluorononanoic acid (PFNA)	TISSUE	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluorononanoic acid (PFNA)	NPW	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluorooctadecanoic acid (PFODA)	SCM	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluorooctadecanoic acid (PFODA)	TISSUE	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluorooctadecanoic acid (PFODA)	NPW	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluorooctane sulfonamide (PFOSAm)	SCM	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluorooctane sulfonamide (PFOSAm)	NPW	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluorooctane sulfonamide (PFOSAm)	TISSUE	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluorooctane sulfonic acid (PFOS)	SCM	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluorooctane sulfonic acid (PFOS)	NPW	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluorooctane sulfonic acid (PFOS)	TISSUE	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluorooctanoic acid (PFOA)	TISSUE	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluorooctanoic acid (PFOA)	SCM	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluorooctanoic acid (PFOA)	NPW	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluoropentane sulfonic acid (PFPeS)	SCM	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluoropentane sulfonic acid (PFPeS)	TISSUE	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluoropentane sulfonic acid (PFPeS)	NPW	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluoropentanoic acid (PFPeA)	TISSUE	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluoropentanoic acid (PFPeA)	NPW	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluoropentanoic acid (PFPeA)	SCM	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluorotetradecanoic acid (PFTDA)	NPW	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluorotetradecanoic acid (PFTDA)	TISSUE	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluorotetradecanoic acid (PFTDA)	SCM	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluorotridecanoic acid (PFTrDA)	SCM	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluorotridecanoic acid (PFTrDA)	NPW	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluorotridecanoic acid (PFTrDA)	TISSUE	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluoroundecanoic acid (PFUnDA)	TISSUE	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluoroundecanoic acid (PFUnDA)	SCM	OR	User Defined SOP-49 Rev. 24
RCRP	EPA 537 Rev. 1.1	Perfluoroundecanoic acid (PFUnDA)	NPW	OR	User Defined SOP-49 Rev. 24

**EPA 537.1 Rev. 2**

## Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 537.1 Rev. 2	11-Chloroeicosafiuoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	DW	OR	
RCRP	EPA 537.1 Rev. 2	4,8-Dioxa-3H-perfluorononanoic acid (DONA)	DW	OR	
RCRP	EPA 537.1 Rev. 2	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	DW	OR	
RCRP	EPA 537.1 Rev. 2	Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX)	DW	OR	
RCRP	EPA 537.1 Rev. 2	N-Ethylperfluorooctane sulfonamido acetic acid (NEFOSAA)	DW	OR	
RCRP	EPA 537.1 Rev. 2	N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	DW	OR	
RCRP	EPA 537.1 Rev. 2	Perfluorobutane sulfonic acid (PFBS)	DW	OR	
RCRP	EPA 537.1 Rev. 2	Perfluorodecanoic acid (PFDA)	DW	OR	
RCRP	EPA 537.1 Rev. 2	Perfluorododecanoic acid (PFDOA)	DW	OR	
RCRP	EPA 537.1 Rev. 2	Perfluoroheptanoic acid (PFHpA)	DW	OR	
RCRP	EPA 537.1 Rev. 2	Perfluorohexane sulfonic acid (PFHxS)	DW	OR	
RCRP	EPA 537.1 Rev. 2	Perfluorohexanoic acid (PFHxA)	DW	OR	
RCRP	EPA 537.1 Rev. 2	Perfluorononanoic acid (PFNA)	DW	OR	
RCRP	EPA 537.1 Rev. 2	Perfluorooctane sulfonic acid (PFOS)	DW	OR	
RCRP	EPA 537.1 Rev. 2	Perfluorooctanoic acid (PFOA)	DW	OR	
RCRP	EPA 537.1 Rev. 2	Perfluorotetradecanoic acid (PFTDA)	DW	OR	
RCRP	EPA 537.1 Rev. 2	Perfluorotridecanoic acid (PFTTrDA)	DW	OR	
RCRP	EPA 537.1 Rev. 2	Perfluoroundecanoic acid (PFUnDA)	DW	OR	

**EPA 1613B**

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

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 1613B	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	SCM	OR	
RCRP	EPA 1613B	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	TISSUE	OR	
RCRP	EPA 1613B	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	NPW	OR	
RCRP	EPA 1613B	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	NPW	OR	
RCRP	EPA 1613B	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	TISSUE	OR	

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 1613B	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	SCM	OR	
RCRP	EPA 1613B	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-hpcdd)	NPW	OR	
RCRP	EPA 1613B	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-hpcdd)	TISSUE	OR	
RCRP	EPA 1613B	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-hpcdd)	SCM	OR	
RCRP	EPA 1613B	1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-hpcdf)	NPW	OR	
RCRP	EPA 1613B	1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-hpcdf)	TISSUE	OR	
RCRP	EPA 1613B	1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-hpcdf)	SCM	OR	
RCRP	EPA 1613B	1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-hpcdf)	NPW	OR	
RCRP	EPA 1613B	1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-hpcdf)	TISSUE	OR	
RCRP	EPA 1613B	1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-hpcdf)	SCM	OR	
RCRP	EPA 1613B	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,4,7,8-Hxcdd)	TISSUE	OR	
RCRP	EPA 1613B	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,4,7,8-Hxcdd)	SCM	OR	
RCRP	EPA 1613B	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,4,7,8-Hxcdd)	NPW	OR	
RCRP	EPA 1613B	1,2,3,4,7,8-Hexachlorodibenzofuran (1,2,3,4,7,8-Hxcdf)	SCM	OR	
RCRP	EPA 1613B	1,2,3,4,7,8-Hexachlorodibenzofuran (1,2,3,4,7,8-Hxcdf)	TISSUE	OR	
RCRP	EPA 1613B	1,2,3,4,7,8-Hexachlorodibenzofuran (1,2,3,4,7,8-Hxcdf)	NPW	OR	
RCRP	EPA 1613B	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin(1,2,3,6,7,8-Hxcdd)	NPW	OR	
RCRP	EPA 1613B	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin(1,2,3,6,7,8-Hxcdd)	SCM	OR	
RCRP	EPA 1613B	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin(1,2,3,6,7,8-Hxcdd)	TISSUE	OR	
RCRP	EPA 1613B	1,2,3,6,7,8-Hexachlorodibenzofuran (1,2,3,6,7,8-Hxcdf)	NPW	OR	
RCRP	EPA 1613B	1,2,3,6,7,8-Hexachlorodibenzofuran (1,2,3,6,7,8-Hxcdf)	SCM	OR	
RCRP	EPA 1613B	1,2,3,6,7,8-Hexachlorodibenzofuran (1,2,3,6,7,8-Hxcdf)	TISSUE	OR	
RCRP	EPA 1613B	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (1,2,3,7,8,9-Hxcdd)	TISSUE	OR	
RCRP	EPA 1613B	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (1,2,3,7,8,9-Hxcdd)	NPW	OR	
RCRP	EPA 1613B	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (1,2,3,7,8,9-Hxcdd)	SCM	OR	

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 1613B	1,2,3,7,8,9-Hexachlorodibenzofuran (1,2,3,7,8,9-Hxcdf)	SCM	OR	
RCRP	EPA 1613B	1,2,3,7,8,9-Hexachlorodibenzofuran (1,2,3,7,8,9-Hxcdf)	NPW	OR	
RCRP	EPA 1613B	1,2,3,7,8,9-Hexachlorodibenzofuran (1,2,3,7,8,9-Hxcdf)	TISSUE	OR	
RCRP	EPA 1613B	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (1,2,3,7,8-Pecdd)	NPW	OR	
RCRP	EPA 1613B	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (1,2,3,7,8-Pecdd)	TISSUE	OR	
RCRP	EPA 1613B	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (1,2,3,7,8-Pecdd)	SCM	OR	
RCRP	EPA 1613B	1,2,3,7,8-Pentachlorodibenzofuran (1,2,3,7,8-Pecdf)	NPW	OR	
RCRP	EPA 1613B	1,2,3,7,8-Pentachlorodibenzofuran (1,2,3,7,8-Pecdf)	SCM	OR	
RCRP	EPA 1613B	1,2,3,7,8-Pentachlorodibenzofuran (1,2,3,7,8-Pecdf)	TISSUE	OR	
RCRP	EPA 1613B	2,3,4,6,7,8-Hexachlorodibenzofuran	SCM	OR	
RCRP	EPA 1613B	2,3,4,6,7,8-Hexachlorodibenzofuran	NPW	OR	
RCRP	EPA 1613B	2,3,4,6,7,8-Hexachlorodibenzofuran	TISSUE	OR	
RCRP	EPA 1613B	2,3,4,7,8-Pentachlorodibenzofuran	NPW	OR	
RCRP	EPA 1613B	2,3,4,7,8-Pentachlorodibenzofuran	SCM	OR	
RCRP	EPA 1613B	2,3,4,7,8-Pentachlorodibenzofuran	TISSUE	OR	
RCRP	EPA 1613B	2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD)	SCM	OR	
RCRP	EPA 1613B	2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD)	NPW	OR	
RCRP	EPA 1613B	2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD)	TISSUE	OR	
RCRP	EPA 1613B	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	TISSUE	OR	
RCRP	EPA 1613B	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	NPW	OR	
RCRP	EPA 1613B	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	SCM	OR	
RCRP	EPA 1613B	Total Heptachlorodibenzo-p-dioxin (Total HPCDD)	TISSUE	OR	
RCRP	EPA 1613B	Total Heptachlorodibenzo-p-dioxin (Total HPCDD)	SCM	OR	
RCRP	EPA 1613B	Total Heptachlorodibenzo-p-dioxin (Total HPCDD)	NPW	OR	
RCRP	EPA 1613B	Total Heptachlorodibenzofuran (Total HPCDF)	SCM	OR	
RCRP	EPA 1613B	Total Heptachlorodibenzofuran (Total HPCDF)	TISSUE	OR	
RCRP	EPA 1613B	Total Heptachlorodibenzofuran (Total HPCDF)	NPW	OR	
RCRP	EPA 1613B	Total Hexachlorodibenzo-p-dioxin (Total HXCDD)	TISSUE	OR	



Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 1613B	Total Hexachlorodibenzo-p-dioxin (Total HXCDD)	NPW	OR	
RCRP	EPA 1613B	Total Hexachlorodibenzo-p-dioxin (Total HXCDD)	SCM	OR	
RCRP	EPA 1613B	Total Hexachlorodibenzofuran (Total HXCDF)	NPW	OR	
RCRP	EPA 1613B	Total Hexachlorodibenzofuran (Total HXCDF)	TISSUE	OR	
RCRP	EPA 1613B	Total Hexachlorodibenzofuran (Total HXCDF)	SCM	OR	
RCRP	EPA 1613B	Total Pentachlorodibenzo-p-dioxin (Total PECDD)	TISSUE	OR	
RCRP	EPA 1613B	Total Pentachlorodibenzo-p-dioxin (Total PECDD)	SCM	OR	
RCRP	EPA 1613B	Total Pentachlorodibenzo-p-dioxin (Total PECDD)	NPW	OR	
RCRP	EPA 1613B	Total Pentachlorodibenzofuran (Total PECDF)	TISSUE	OR	
RCRP	EPA 1613B	Total Pentachlorodibenzofuran (Total PECDF)	NPW	OR	
RCRP	EPA 1613B	Total Pentachlorodibenzofuran (Total PECDF)	SCM	OR	
RCRP	EPA 1613B	Total Tetrachlorodibenzo-p-dioxin (Total TCDD)	TISSUE	OR	
RCRP	EPA 1613B	Total Tetrachlorodibenzo-p-dioxin (Total TCDD)	SCM	OR	
RCRP	EPA 1613B	Total Tetrachlorodibenzo-p-dioxin (Total TCDD)	NPW	OR	
RCRP	EPA 1613B	Total Tetrachlorodibenzofuran (Total TCDF)	TISSUE	OR	
RCRP	EPA 1613B	Total Tetrachlorodibenzofuran (Total TCDF)	SCM	OR	
RCRP	EPA 1613B	Total Tetrachlorodibenzofuran (Total TCDF)	NPW	OR	

## Safe Drinking Water Program

### EPA 533

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
SDWP	EPA 533	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	DW	OR	
SDWP	EPA 533	1H, 1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2 FTS)	DW	OR	
SDWP	EPA 533	1H, 1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2 FTS)	DW	OR	

Program	Method	Analyte	Matrix	Primary	SOP
SDWP	EPA 533	1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS)	DW	OR	
SDWP	EPA 533	4,8-Dioxa-3H-perfluorononanoic acid (DONA)	DW	OR	
SDWP	EPA 533	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	DW	OR	
SDWP	EPA 533	Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX)	DW	OR	
SDWP	EPA 533	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	DW	OR	
SDWP	EPA 533	Perfluoro(2-ethoxyethane) sulfonic acid (PFEEESA)	DW	OR	
SDWP	EPA 533	Perfluoro-3-methoxypropanoic acid (PFMPA)	DW	OR	
SDWP	EPA 533	Perfluoro-4-methoxybutanoic acid (PFMBA)	DW	OR	
SDWP	EPA 533	Perfluorobutane sulfonic acid (PFBS)	DW	OR	
SDWP	EPA 533	Perfluorobutanoic acid (PFBA)	DW	OR	
SDWP	EPA 533	Perfluorodecanoic acid (PFDA)	DW	OR	
SDWP	EPA 533	Perfluorododecanoic acid (PFDOA)	DW	OR	
SDWP	EPA 533	Perfluoroheptane sulfonic acid (PFHpS)	DW	OR	
SDWP	EPA 533	Perfluoroheptanoic acid (PFHpA)	DW	OR	
SDWP	EPA 533	Perfluorohexane sulfonic acid (PFHxS)	DW	OR	
SDWP	EPA 533	Perfluorohexanoic acid (PFHxA)	DW	OR	
SDWP	EPA 533	Perfluorononanoic acid (PFNA)	DW	OR	
SDWP	EPA 533	Perfluorooctane sulfonic acid (PFOS)	DW	OR	
SDWP	EPA 533	Perfluorooctanoic acid (PFOA)	DW	OR	
SDWP	EPA 533	Perfluoropentane sulfonic acid (PFPeS)	DW	OR	
SDWP	EPA 533	Perfluoropentanoic acid (PFPeA)	DW	OR	
SDWP	EPA 533	Perfluoroundecanoic acid (PFUnDA)	DW	OR	

### EPA 537.1 Rev. 2

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
SDWP	EPA 537.1 Rev. 2	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	DW	OR	
SDWP	EPA 537.1 Rev. 2	4,8-Dioxa-3H-perfluorononanoic acid (DONA)	DW	OR	
SDWP	EPA 537.1 Rev. 2	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	DW	OR	

Program	Method	Analyte	Matrix	Primary	SOP
SDWP	EPA 537.1 Rev. 2	Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX)	DW	OR	
SDWP	EPA 537.1 Rev. 2	N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	DW	OR	
SDWP	EPA 537.1 Rev. 2	N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	DW	OR	
SDWP	EPA 537.1 Rev. 2	Perfluorobutane sulfonic acid (PFBS)	DW	OR	
SDWP	EPA 537.1 Rev. 2	Perfluorodecanoic acid (PFDA)	DW	OR	
SDWP	EPA 537.1 Rev. 2	Perfluorododecanoic acid (PFDOA)	DW	OR	
SDWP	EPA 537.1 Rev. 2	Perfluoroheptanoic acid (PFHpA)	DW	OR	
SDWP	EPA 537.1 Rev. 2	Perfluorohexane sulfonic acid (PFHxS)	DW	OR	
SDWP	EPA 537.1 Rev. 2	Perfluorohexanoic acid (PFHxA)	DW	OR	
SDWP	EPA 537.1 Rev. 2	Perfluorononanoic acid (PFNA)	DW	OR	
SDWP	EPA 537.1 Rev. 2	Perfluorooctane sulfonic acid (PFOS)	DW	OR	
SDWP	EPA 537.1 Rev. 2	Perfluorooctanoic acid (PFOA)	DW	OR	
SDWP	EPA 537.1 Rev. 2	Perfluorotetradecanoic acid (PFTDA)	DW	OR	
SDWP	EPA 537.1 Rev. 2	Perfluorotridecanoic acid (PFTrDA)	DW	OR	
SDWP	EPA 537.1 Rev. 2	Perfluoroundecanoic acid (PFUnDA)	DW	OR	

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.