



U S Environmental Protection Agency (UCMR) 4411 Montgomery Rd. Cincinnati, OH 45212	Project: UCMR5 Project Number: 108697P Project Manager: Ouro Koumal	Reported: 5/10/24 9:08	Work Order: CB12104
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Sample Summary

Descriptions of all qualifiers listed throughout this report can be found on the Qualifiers and Definitions Page.

Lab ID	Sample	Matrix	Sample Type	Qualifiers	Date Sampled	Date Received
CB12104-01	108697P	DW			10/2/23 0:00	10/3/23 11:30

Analysis Qualifiers:

LabNumber	Analysis	Qualifier
CB12104-01	UCMR5 EPA Method 533	FBNA
CB12104-01	UCMR5 EPA Method 537.1	FBNA

Cancelled Tests:

LabNumber	SampleName	Analysis	Cancelled	Initials
CB12104-02	108697P FRB	Perfluorinated Chemicals by EPA Method 533	10/10/23 13:35	CSC
CB12104-02	108697P FRB	Perfluorinated Chemicals by EPA Method 537.1	10/9/23 9:33	CSC



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Sample Results

Sample: 108697P

CB12104-01 (DW) Sampled: 10/02/23 00:00

Analyte	Result	Qualifier	MRL	MCL	Units	Date Prepared	Date Analyzed	Analyst	Method	Lab Cert Code
Metals										
Lithium, Total	ND		9.0		ug/L	10/6/23 14:42	10/11/23 12:03	RAB	EPA 200.7, Rev 4.4	1
Surrogate: Yttrium 200.7 ISTD	90%		Limits: 60-125%			10/6/23 14:42	10/11/23 12:03	RAB	EPA 200.7, Rev 4.4	
Semi-Volatiles										
perfluorobutanoic acid (PFBA)	ND		0.0050		ug/L	10/9/23 6:25	10/9/23 21:35	RAW	EPA 533	1
perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.0040		ug/L	10/9/23 6:25	10/9/23 21:35	RAW	EPA 533	1
perfluoropentanoic acid (PFPeA)	ND		0.0030		ug/L	10/9/23 6:25	10/9/23 21:35	RAW	EPA 533	1
perfluorobutanesulfonic acid (PFBS)	ND		0.0030		ug/L	10/9/23 6:25	10/9/23 21:35	RAW	EPA 533	1
perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.0030		ug/L	10/9/23 6:25	10/9/23 21:35	RAW	EPA 533	1
perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		0.0030		ug/L	10/9/23 6:25	10/9/23 21:35	RAW	EPA 533	1
nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.020		ug/L	10/9/23 6:25	10/9/23 21:35	RAW	EPA 533	1
1H,1H, 2H, 2H-perfluorohexane sulfonic acid (4:2FTS)	ND		0.0030		ug/L	10/9/23 6:25	10/9/23 21:35	RAW	EPA 533	1
perfluorohexanoic acid (PFHxA)	ND		0.0030		ug/L	10/9/23 6:25	10/9/23 21:35	RAW	EPA 533	1
perfluoropentanesulfonic acid (PFPeS)	ND		0.0040		ug/L	10/9/23 6:25	10/9/23 21:35	RAW	EPA 533	1
hexafluoropropylene oxide dimer acid (HFPO DA)	ND		0.0050		ug/L	10/9/23 6:25	10/9/23 21:35	RAW	EPA 533	1
perfluoroheptanoic acid (PFHpA)	ND		0.0030		ug/L	10/9/23 6:25	10/9/23 21:35	RAW	EPA 533	1
perfluorohexanesulfonic acid (PFHxS)	ND		0.0030		ug/L	10/9/23 6:25	10/9/23 21:35	RAW	EPA 533	1
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.0030		ug/L	10/9/23 6:25	10/9/23 21:35	RAW	EPA 533	1
1H,1H, 2H, 2H-perfluorooctane sulfonic acid (6:2FTS)	ND		0.0050		ug/L	10/9/23 6:25	10/9/23 21:35	RAW	EPA 533	1
perfluoroheptanesulfonic acid (PFHpS)	ND		0.0030		ug/L	10/9/23 6:25	10/9/23 21:35	RAW	EPA 533	1
perfluorooctanoic acid (PFOA)	ND		0.0040		ug/L	10/9/23 6:25	10/9/23 21:35	RAW	EPA 533	1
perfluorononanoic acid (PFNA)	ND		0.0040		ug/L	10/9/23 6:25	10/9/23 21:35	RAW	EPA 533	1
perfluorooctanesulfonic acid (PFOS)	ND		0.0040		ug/L	10/9/23 6:25	10/9/23 21:35	RAW	EPA 533	1
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (3Cl-PF3ONS)	ND		0.0020		ug/L	10/9/23 6:25	10/9/23 21:35	RAW	EPA 533	1
perfluorodecanoic acid (PFDA)	ND		0.0030		ug/L	10/9/23 6:25	10/9/23 21:35	RAW	EPA 533	1
1H,1H, 2H, 2H-perfluorodecane sulfonic acid (8:2FTS)	ND		0.0050		ug/L	10/9/23 6:25	10/9/23 21:35	RAW	EPA 533	1
perfluoroundecanoic acid (PFUnA)	ND		0.0020		ug/L	10/9/23 6:25	10/9/23 21:35	RAW	EPA 533	1

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Sample Results (Continued)

Sample: 108697P (Continued)

CB12104-01 (DW) Sampled: 10/02/23 00:00

Analyte	Result	Qualifier	MRL	MCL	Units	Date Prepared	Date Analyzed	Analyst	Method	Lab Cert Code
Semi-Volatiles (Continued)										
11-chloroelcosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.0050		ug/L	10/9/23 6:25	10/9/23 21:35	RAW	EPA 533	1
perfluorododecanoic acid (PFDoA)	ND		0.0030		ug/L	10/9/23 6:25	10/9/23 21:35	RAW	EPA 533	1
Surrogate: (EIS) MPPBA	99%		Limits: 50-200%			10/9/23 6:25	10/9/23 21:35	RAW	EPA 533	
Surrogate: (EIS) M5PPbA	97%		Limits: 50-200%			10/9/23 6:25	10/9/23 21:35	RAW	EPA 533	
Surrogate: (EIS) M3PFbS	99%		Limits: 50-200%			10/9/23 6:25	10/9/23 21:35	RAW	EPA 533	
Surrogate: (EIS) M2-4:2FTS	110%		Limits: 50-200%			10/9/23 6:25	10/9/23 21:35	RAW	EPA 533	
Surrogate: (EIS) M5PFtbA	94%		Limits: 50-200%			10/9/23 6:25	10/9/23 21:35	RAW	EPA 533	
Surrogate: (EIS) M4PFtpA	91%		Limits: 50-200%			10/9/23 6:25	10/9/23 21:35	RAW	EPA 533	
Surrogate: (EIS) M3PFtbS	99%		Limits: 50-200%			10/9/23 6:25	10/9/23 21:35	RAW	EPA 533	
Surrogate: (EIS) M2-6:2FTS	101%		Limits: 50-200%			10/9/23 6:25	10/9/23 21:35	RAW	EPA 533	
Surrogate: (EIS) M8PFDA	96%		Limits: 50-200%			10/9/23 6:25	10/9/23 21:35	RAW	EPA 533	
Surrogate: (EIS) M9PFVA	96%		Limits: 50-200%			10/9/23 6:25	10/9/23 21:35	RAW	EPA 533	
Surrogate: (EIS) M8PFOS	99%		Limits: 50-200%			10/9/23 6:25	10/9/23 21:35	RAW	EPA 533	
Surrogate: (EIS) M2-8:2FTS	103%		Limits: 50-200%			10/9/23 6:25	10/9/23 21:35	RAW	EPA 533	
Surrogate: (EIS) M6PFDA	96%		Limits: 50-200%			10/9/23 6:25	10/9/23 21:35	RAW	EPA 533	
Surrogate: (EIS) M7PFUdA	98%		Limits: 50-200%			10/9/23 6:25	10/9/23 21:35	RAW	EPA 533	
Surrogate: (EIS) MPPDoA	93%		Limits: 50-200%			10/9/23 6:25	10/9/23 21:35	RAW	EPA 533	
Surrogate: (EIS) M3HFPODA	81%		Limits: 50-200%			10/9/23 6:25	10/9/23 21:35	RAW	EPA 533	
n-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.0060		ug/L	10/5/23 5:15	10/6/23 17:17	RAW	EPA 537.1, Rev 2.0	1
N-ethyl perfluorooctanesulfonamidoacetic acid (NEFOSAA)	ND		0.0050		ug/L	10/5/23 5:15	10/6/23 17:17	RAW	EPA 537.1, Rev 2.0	1
perfluorotridecanoic acid (PFTrDA)	ND		0.0070		ug/L	10/5/23 5:15	10/6/23 17:17	RAW	EPA 537.1, Rev 2.0	1
perfluorotetradecanoic acid (PFTA)	ND		0.0080		ug/L	10/5/23 5:15	10/6/23 17:17	RAW	EPA 537.1, Rev 2.0	1
Surrogate: (SURR) C13-PFtbA	94%		Limits: 70-130%			10/5/23 5:15	10/6/23 17:17	RAW	EPA 537.1, Rev 2.0	
Surrogate: (SURR) C13-HFPODA	92%		Limits: 70-130%			10/5/23 5:15	10/6/23 17:17	RAW	EPA 537.1, Rev 2.0	
Surrogate: (SURR) C13-PFDA	98%		Limits: 70-130%			10/5/23 5:15	10/6/23 17:17	RAW	EPA 537.1, Rev 2.0	
Surrogate: (SURR) d5-NEFOSAA	94%		Limits: 70-130%			10/5/23 5:15	10/6/23 17:17	RAW	EPA 537.1, Rev 2.0	

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List of Certifications

Code	Description	Number	Expires
1	EPA Laboratory ID No.	WI00034	1/1/26

DRAFT



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Qualifiers and Definitions

Item	Definition
FBNA	The field sample had no detects, therefore the corresponding trip blank/field reagent blank was not analyzed.
ND	Analyte NOT DETECTED at or above the LOD or MRL.
LOD	Limit of Detection.
LOQ	Limit of Quantitation.
NA	Not Applicable.
Dry	Dry Weight Basis.
Wet	Wet Weight Basis.
% Dry	Equal to: (mg/kg dry) / 10000.
1000 ug/L	Equal to: 1 mg/L.
MCL	Maximum Contaminant Levels for Drinking Water Samples. Shaded results indicate >MCL.
RPD	Relative Percent Difference.
%REC	Percent Recovery.
Source	Sample that was matrix spiked or duplicated.

All LOD/LOQs adjusted to reflect preparation volumes, dilutions, and/or solids content.



Water System Name: **PETERSBURG**

Collect TREATED drinking water at: **WELLS 9 AND 10**

Scheduled Collection Window: **October 2nd, 3rd, or 4th**

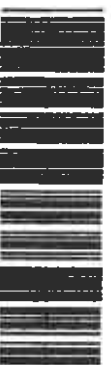
This is the second of two sample events for the above collection location; It has no more scheduled sampling events.

▶ **Sampler Name (print)** Hyle Hooley **Date Sampled** 10-2-23

Area below for lab use

PWSID	SE2	Method	Bottles	Temp	Received By
IL1290200	202310	533	3	6.0	RH
FacID: TP02					
SPID: TP02					
FacName: PETERSBURG		537.1	3	6.0	Receipt Date @ Lab
SPName: WELLS 9 AND 10		200.7	2		10/3/23

CBI21104



Have questions about anything UCMR related? Contact Great Lakes Environmental Center. We're here to help! Email UCMR@GLEC.com anytime, or phone (231) 525-0521 M-F, 9-5 EST.