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ANALYTICAL REPORT

PREPARED FOR

Attn: Todd Hone
City of Piqua
9801 N State Route 66
Piqua, Ohio 45356

Generated 8/11/2025 11:17:18 AM

JOB DESCRIPTION

UCMR5 - OH5501211 - SE3 - City of Piqua, OH

JOB NUMBER

810-158249-1

Eurofins Eaton Analytical South Bend
110 S Hill Street
South Bend IN 46617

See page two for job notes and contact information.

myEOL

Job Notes

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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Eaton Analytical, LLC Project Manager.

Authorization

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Authorized for release by
Pamela Brown, Project Manager
Pamela.Brown@et.eurofinsus.com
(574)233-4777

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Definitions/Glossary

Client: City of Piqua
Job ID: 810-158249-1
Project/Site: UCMR5 - OH5501211 - SE3 - City of Piqua, OH

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 810-158249-1 Eurofins Eaton Analytical South Bend

Job Narrative
810-158249-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The sample was received on 8/5/2025 9:15 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice.

PFAS
Method 533_UCMR5: The pH of the following samples were adjusted to pH 7.5 in the laboratory: 5562258/Treatment Plant (Piqua)/EP002 (810-158249-1), (810-158249-C-1 MS) and (810-158249-D-1 MSD)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: City of Piqua
Job ID: 810-158249-1
Project/Site: UCMR5 - OH5501211 - SE3 - City of Piqua, OH

Client Sample ID: 5562258/Treatment Plant (Piqua)/EP002
Lab Sample ID: 810-158249-1
PWSID Number: OH5501211

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Eaton Analytical South Bend

Client Sample ID: 5562258/Treatment Plant (Piqua)/EP002
Lab Sample ID: 810-158249-1
Date Collected: 08/04/25 08:30
Matrix: Drinking Water
Date Received: 08/05/25 09:15
PWSID Number: OH5501211

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<0.0050		0.0050		ug/L		08/06/25 08:42	08/06/25 19:39	1
Perfluoropentanoic acid (PFPeA)	<0.0030		0.0030		ug/L		08/06/25 08:42	08/06/25 19:39	1
Perfluorohexanoic acid (PFHxA)	<0.0030		0.0030		ug/L		08/06/25 08:42	08/06/25 19:39	1
Perfluoroheptanoic acid (PFHpA)	<0.0030		0.0030		ug/L		08/06/25 08:42	08/06/25 19:39	1
Perfluorooctanoic acid (PFOA)	<0.0040		0.0040		ug/L		08/06/25 08:42	08/06/25 19:39	1
Perfluorononanoic acid (PFNA)	<0.0040		0.0040		ug/L		08/06/25 08:42	08/06/25 19:39	1
Perfluorodecanoic acid (PFDA)	<0.0030		0.0030		ug/L		08/06/25 08:42	08/06/25 19:39	1
Perfluoroundecanoic acid (PFUnA)	<0.0020		0.0020		ug/L		08/06/25 08:42	08/06/25 19:39	1
Perfluorododecanoic acid (PFDoA)	<0.0030		0.0030		ug/L		08/06/25 08:42	08/06/25 19:39	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.0030		0.0030		ug/L		08/06/25 08:42	08/06/25 19:39	1
Perfluorobutanesulfonic acid (PFBS)	<0.0030		0.0030		ug/L		08/06/25 08:42	08/06/25 19:39	1
Perfluorohexanesulfonic acid (PFHxS)	<0.0030		0.0030		ug/L		08/06/25 08:42	08/06/25 19:39	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.0030		0.0030		ug/L		08/06/25 08:42	08/06/25 19:39	1
Perfluorooctanesulfonic acid (PFOS)	<0.0040		0.0040		ug/L		08/06/25 08:42	08/06/25 19:39	1
Perfluoropentanesulfonic acid (PFPeS)	<0.0040		0.0040		ug/L		08/06/25 08:42	08/06/25 19:39	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<0.0050		0.0050		ug/L		08/06/25 08:42	08/06/25 19:39	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	<0.0020		0.0020		ug/L		08/06/25 08:42	08/06/25 19:39	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	<0.0050		0.0050		ug/L		08/06/25 08:42	08/06/25 19:39	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<0.0030		0.0030		ug/L		08/06/25 08:42	08/06/25 19:39	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<0.0050		0.0050		ug/L		08/06/25 08:42	08/06/25 19:39	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<0.0050		0.0050		ug/L		08/06/25 08:42	08/06/25 19:39	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	<0.0200		0.0200		ug/L		08/06/25 08:42	08/06/25 19:39	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	<0.0040		0.0040		ug/L		08/06/25 08:42	08/06/25 19:39	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	<0.0030		0.0030		ug/L		08/06/25 08:42	08/06/25 19:39	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	<0.0030		0.0030		ug/L		08/06/25 08:42	08/06/25 19:39	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C3 HFPO-DA	*88*		*50 - 200*	*08/06/25 08:42*	*08/06/25 19:39*	*1*
13C4 PFBA	*95*		*50 - 200*	*08/06/25 08:42*	*08/06/25 19:39*	*1*
13C3 PFBS	*103*		*50 - 200*	*08/06/25 08:42*	*08/06/25 19:39*	*1*
13C5 PFPeA	*100*		*50 - 200*	*08/06/25 08:42*	*08/06/25 19:39*	*1*
13C5 PFHxA	*92*		*50 - 200*	*08/06/25 08:42*	*08/06/25 19:39*	*1*
13C4 PFHpA	*93*		*50 - 200*	*08/06/25 08:42*	*08/06/25 19:39*	*1*
13C8 PFOA	*95*		*50 - 200*	*08/06/25 08:42*	*08/06/25 19:39*	*1*
13C9 PFNA	*88*		*50 - 200*	*08/06/25 08:42*	*08/06/25 19:39*	*1*
13C6 PFDA	*77*		*50 - 200*	*08/06/25 08:42*	*08/06/25 19:39*	*1*
13C7 PFUnA	*73*		*50 - 200*	*08/06/25 08:42*	*08/06/25 19:39*	*1*
13C2 PFDoA	*78*		*50 - 200*	*08/06/25 08:42*	*08/06/25 19:39*	*1*
13C8 PFOS	*94*		*50 - 200*	*08/06/25 08:42*	*08/06/25 19:39*	*1*
13C3 PFHxS	*98*		*50 - 200*	*08/06/25 08:42*	*08/06/25 19:39*	*1*

Client Sample ID: 5562258/Treatment Plant (Piqua)/EP002
Lab Sample ID: 810-158249-1
Date Collected: 08/04/25 08:30
Matrix: Drinking Water
Date Received: 08/05/25 09:15
PWSID Number: OH5501211

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2-4:2-FTS	*100*		*50 - 200*	*08/06/25 08:42*	*08/06/25 19:39*	*1*
13C2-6:2-FTS	*101*		*50 - 200*	*08/06/25 08:42*	*08/06/25 19:39*	*1*
13C2-8:2-FTS	*101*		*50 - 200*	*08/06/25 08:42*	*08/06/25 19:39*	*1*

Method: EPA 537.1 UCMR5 - Perfluorinated Alkyl Acids (LC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<0.0050		0.0050	ug/L		08/06/25 07:52	08/08/25 00:41	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<0.0060		0.0060	ug/L		08/06/25 07:52	08/08/25 00:41	1
Perfluorotetradecanoic acid (PFTA)	<0.0080		0.0080	ug/L		08/06/25 07:52	08/08/25 00:41	1
Perfluorotridecanoic acid (PFTrDA)	<0.0070		0.0070	ug/L		08/06/25 07:52	08/08/25 00:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*104*		*70 - 130*	*08/06/25 07:52*	*08/08/25 00:41*	*1*
13C2 PFHxA	*97*		*70 - 130*	*08/06/25 07:52*	*08/08/25 00:41*	*1*
13C2 PFDA	*103*		*70 - 130*	*08/06/25 07:52*	*08/08/25 00:41*	*1*
13C3 HFPO-DA	*92*		*70 - 130*	*08/06/25 07:52*	*08/08/25 00:41*	*1*

Method: EPA 200.7 UCMR5 - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<9.00		9.00	ug/L		08/06/25 12:45	08/07/25 14:32	1

Surrogate Summary

Client: City of Piqua
Job ID: 810-158249-1
Project/Site: UCMR5 - OH5501211 - SE3 - City of Piqua, OH

Method: 537.1 UCMR5 - Perfluorinated Alkyl Acids (LC/MS)

Matrix: Drinking Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		d5NEFOS	PFHxA	PFDA	HFPODA
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)	(70-130)
810-158249-1	5562258/Treatment Plant (Piqua	104	97	103	92
810-158249-1 MS	5562258/Treatment Plant (Piqua)/EP002	96	99	100	99
810-158249-1 MSD	5562258/Treatment Plant (Piqua)/EP002	92	89	94	87
LLCS 810-154509/2-A	Lab Control Sample	95	97	98	90
MBL 810-154509/1-A	Method Blank	105	105	103	94

Surrogate Legend

d5NEFOS = d5-NEtFOSAA
PFHxA = 13C2 PFHxA
PFDA = 13C2 PFDA
HFPODA = 13C3 HFPO-DA

Isotope Dilution Summary

Client: City of Piqua
Job ID: 810-158249-1
Project/Site: UCMR5 - OH5501211 - SE3 - City of Piqua, OH

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Matrix: Drinking Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		HFPODA	PFBA	C3PFBS	PFPeA	13C5PHA	C4PFHA	C8PFOA	C9PFNA
Lab Sample ID	Client Sample ID	(50-200)	(50-200)	(50-200)	(50-200)	(50-200)	(50-200)	(50-200)	(50-200)
810-158249-1	5562258/Treatment Plant (Piqua	88	95	103	100	92	93	95	88
810-158249-1 MS	5562258/Treatment Plant (Piqua)/EP002	87	94	105	97	90	86	88	78
810-158249-1 MSD	5562258/Treatment Plant (Piqua)/EP002	87	96	104	98	90	88	90	78
LLCS 810-154517/2-A	Lab Control Sample	88	96	97	97	88	93	96	93
MBL 810-154517/1-A	Method Blank	90	97	99	96	90	93	96	95

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		C6PFDA	13C7PUA	PFDoA	C8PFOS	C3PFHS	42FTS	62FTS	82FTS
Lab Sample ID	Client Sample ID	(50-200)	(50-200)	(50-200)	(50-200)	(50-200)	(50-200)	(50-200)	(50-200)
810-158249-1	5562258/Treatment Plant (Piqua	77	73	78	94	98	100	101	101
810-158249-1 MS	5562258/Treatment Plant (Piqua)/EP002	70	70	73	95	97	114	106	102
810-158249-1 MSD	5562258/Treatment Plant (Piqua)/EP002	72	71	73	93	98	116	106	96
LLCS 810-154517/2-A	Lab Control Sample	92	88	86	95	95	88	92	97
MBL 810-154517/1-A	Method Blank	92	88	86	96	97	89	93	97

Surrogate Legend

HFPODA = 13C3 HFPO-DA
PFBA = 13C4 PFBA
C3PFBS = 13C3 PFBS
PFPeA = 13C5 PFPeA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFDoA = 13C2 PFDoA
C8PFOS = 13C8 PFOS
C3PFHS = 13C3 PFHxS
42FTS = 13C2-4:2-FTS
62FTS = 13C2-6:2-FTS
82FTS = 13C2-8:2-FTS

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Lab Sample ID: MBL 810-154517/1-A
Matrix: Drinking Water
Analysis Batch: 154650

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 154517

Analyte	MBL Result	MBL Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<0.0005		0.0050		ug/L		08/06/25 08:42	08/06/25 19:08	1
Perfluoropentanoic acid (PFPeA)	<0.0008		0.0030		ug/L		08/06/25 08:42	08/06/25 19:08	1
Perfluorohexanoic acid (PFHxA)	<0.0007		0.0030		ug/L		08/06/25 08:42	08/06/25 19:08	1
Perfluoroheptanoic acid (PFHpA)	<0.0007		0.0030		ug/L		08/06/25 08:42	08/06/25 19:08	1
Perfluorooctanoic acid (PFOA)	<0.0007		0.0040		ug/L		08/06/25 08:42	08/06/25 19:08	1
Perfluorononanoic acid (PFNA)	<0.0007		0.0040		ug/L		08/06/25 08:42	08/06/25 19:08	1
Perfluorodecanoic acid (PFDA)	<0.0007		0.0030		ug/L		08/06/25 08:42	08/06/25 19:08	1
Perfluoroundecanoic acid (PFUnA)	<0.0007		0.0020		ug/L		08/06/25 08:42	08/06/25 19:08	1
Perfluorododecanoic acid (PFDoA)	<0.0007		0.0030		ug/L		08/06/25 08:42	08/06/25 19:08	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.0006		0.0030		ug/L		08/06/25 08:42	08/06/25 19:08	1
Perfluorobutanesulfonic acid (PFBS)	<0.0007		0.0030		ug/L		08/06/25 08:42	08/06/25 19:08	1
Perfluorohexanesulfonic acid (PFHxS)	<0.0007		0.0030		ug/L		08/06/25 08:42	08/06/25 19:08	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.0006		0.0030		ug/L		08/06/25 08:42	08/06/25 19:08	1
Perfluorooctanesulfonic acid (PFOS)	<0.0007		0.0040		ug/L		08/06/25 08:42	08/06/25 19:08	1
Perfluoropentanesulfonic acid (PFPeS)	<0.0007		0.0040		ug/L		08/06/25 08:42	08/06/25 19:08	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<0.0007		0.0050		ug/L		08/06/25 08:42	08/06/25 19:08	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	<0.001		0.0020		ug/L		08/06/25 08:42	08/06/25 19:08	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	<0.0008		0.0050		ug/L		08/06/25 08:42	08/06/25 19:08	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<0.0007		0.0030		ug/L		08/06/25 08:42	08/06/25 19:08	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<0.0007		0.0050		ug/L		08/06/25 08:42	08/06/25 19:08	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<0.0006		0.0050		ug/L		08/06/25 08:42	08/06/25 19:08	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	<0.0009		0.0200		ug/L		08/06/25 08:42	08/06/25 19:08	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	<0.0008		0.0040		ug/L		08/06/25 08:42	08/06/25 19:08	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	<0.0007		0.0030		ug/L		08/06/25 08:42	08/06/25 19:08	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	<0.0007		0.0030		ug/L		08/06/25 08:42	08/06/25 19:08	1

Isotope Dilution	*MBL %Recovery*	*MBL Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C3 HFPO-DA	*90*		*50 - 200*	*08/06/25 08:42*	*08/06/25 19:08*	*1*
13C4 PFBA	*97*		*50 - 200*	*08/06/25 08:42*	*08/06/25 19:08*	*1*
13C3 PFBS	*99*		*50 - 200*	*08/06/25 08:42*	*08/06/25 19:08*	*1*
13C5 PFPeA	*96*		*50 - 200*	*08/06/25 08:42*	*08/06/25 19:08*	*1*
13C5 PFHxA	*90*		*50 - 200*	*08/06/25 08:42*	*08/06/25 19:08*	*1*
13C4 PFHpA	*93*		*50 - 200*	*08/06/25 08:42*	*08/06/25 19:08*	*1*
13C8 PFOA	*96*		*50 - 200*	*08/06/25 08:42*	*08/06/25 19:08*	*1*
13C9 PFNA	*95*		*50 - 200*	*08/06/25 08:42*	*08/06/25 19:08*	*1*
13C6 PFDA	*92*		*50 - 200*	*08/06/25 08:42*	*08/06/25 19:08*	*1*
13C7 PFUnA	*88*		*50 - 200*	*08/06/25 08:42*	*08/06/25 19:08*	*1*
13C2 PFDoA	*86*		*50 - 200*	*08/06/25 08:42*	*08/06/25 19:08*	*1*
13C8 PFOS	*96*		*50 - 200*	*08/06/25 08:42*	*08/06/25 19:08*	*1*

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: MBL 810-154517/1-A
Matrix: Drinking Water
Analysis Batch: 154650

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 154517

Isotope Dilution	MBL %Recovery	MBL Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 PFHxS	97		50 - 200	08/06/25 08:42	08/06/25 19:08	1
13C2-4:2-FTS	89		50 - 200	08/06/25 08:42	08/06/25 19:08	1
13C2-6:2-FTS	93		50 - 200	08/06/25 08:42	08/06/25 19:08	1
13C2-8:2-FTS	97		50 - 200	08/06/25 08:42	08/06/25 19:08	1

Lab Sample ID: LLCS 810-154517/2-A
Matrix: Drinking Water
Analysis Batch: 154650

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 154517

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	0.00200	0.0017		ug/L		87	50 - 150
Perfluoropentanoic acid (PFPeA)	0.00200	0.0018		ug/L		89	50 - 150
Perfluorohexanoic acid (PFHxA)	0.00200	0.0018		ug/L		90	50 - 150
Perfluoroheptanoic acid (PFHpA)	0.00200	0.0017		ug/L		85	50 - 150
Perfluorooctanoic acid (PFOA)	0.00200	0.0017		ug/L		83	50 - 150
Perfluorononanoic acid (PFNA)	0.00200	0.0017		ug/L		83	50 - 150
Perfluorodecanoic acid (PFDA)	0.00200	0.0019		ug/L		93	50 - 150
Perfluoroundecanoic acid (PFUnA)	0.00200	0.0019		ug/L		93	50 - 150
Perfluorododecanoic acid (PFDoA)	0.00200	0.0019		ug/L		93	50 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.00189	0.0017		ug/L		89	50 - 150
Perfluorobutanesulfonic acid (PFBS)	0.00178	0.0015		ug/L		85	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	0.00183	0.0015		ug/L		83	50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	0.00191	0.0015		ug/L		81	50 - 150
Perfluorooctanesulfonic acid (PFOS)	0.00186	0.0016		ug/L		87	50 - 150
Perfluoropentanesulfonic acid (PFPeS)	0.00188	0.0015		ug/L		80	50 - 150
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.00200	0.0017		ug/L		86	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.00187	0.0016		ug/L		86	50 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.00189	0.0015		ug/L		80	50 - 150
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.00188	0.0016		ug/L		84	50 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.00190	0.0019		ug/L		100	50 - 150
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.00192	0.0017		ug/L		88	50 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.00200	0.0018		ug/L		92	50 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.00200	0.0016		ug/L		82	50 - 150
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.00200	0.0017		ug/L		87	50 - 150
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.00178	0.0015		ug/L		87	50 - 150

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Isotope Dilution	LLCS %Recovery	LLCS Qualifier	Limits
13C3 HFPO-DA	88		50 - 200
13C4 PFBA	96		50 - 200
13C3 PFBS	97		50 - 200
13C5 PFPeA	97		50 - 200
13C5 PFHxA	88		50 - 200
13C4 PFHpA	93		50 - 200
13C8 PFOA	96		50 - 200
13C9 PFNA	93		50 - 200
13C6 PFDA	92		50 - 200
13C7 PFUnA	88		50 - 200
13C2 PFDoA	86		50 - 200
13C8 PFOS	95		50 - 200
13C3 PFHxS	95		50 - 200
13C2-4:2-FTS	88		50 - 200
13C2-6:2-FTS	92		50 - 200
13C2-8:2-FTS	97		50 - 200

Lab Sample ID: 810-158249-1 MS
Matrix: Drinking Water
Analysis Batch: 154650

Client Sample ID: 5562258/Treatment Plant (Piqua)/EP002
Prep Type: Total/NA
Prep Batch: 154517

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	<0.0050		0.200	0.1933		ug/L		95	
Perfluoropentanoic acid (PFPeA)	<0.0030		0.200	0.1951		ug/L		97	
Perfluorohexanoic acid (PFHxA)	<0.0030		0.200	0.1939		ug/L		96	
Perfluoroheptanoic acid (PFHpA)	<0.0030		0.200	0.1954		ug/L		98	
Perfluorooctanoic acid (PFOA)	<0.0040		0.200	0.1837		ug/L		91	
Perfluorononanoic acid (PFNA)	<0.0040		0.200	0.1920		ug/L		96	
Perfluorodecanoic acid (PFDA)	<0.0030		0.200	0.1998		ug/L		100	
Perfluoroundecanoic acid (PFUnA)	<0.0020		0.200	0.1990		ug/L		100	
Perfluorododecanoic acid (PFDoA)	<0.0030		0.200	0.1981		ug/L		99	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.0030		0.189	0.1867		ug/L		99	
Perfluorobutanesulfonic acid (PFBS)	<0.0030		0.178	0.1707		ug/L		95	
Perfluorohexanesulfonic acid (PFHxS)	<0.0030		0.183	0.1745		ug/L		96	
Perfluoroheptanesulfonic acid (PFHpS)	<0.0030		0.191	0.1789		ug/L		94	
Perfluorooctanesulfonic acid (PFOS)	<0.0040		0.186	0.1757		ug/L		94	
Perfluoropentanesulfonic acid (PFPeS)	<0.0040		0.188	0.1838		ug/L		98	
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<0.0050		0.200	0.1946		ug/L		97	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	<0.0020		0.187	0.1810		ug/L		97	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	<0.0050		0.189	0.1798		ug/L		95	
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<0.0030		0.188	0.1774		ug/L		95	
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<0.0050		0.190	0.1921		ug/L		101	

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: 810-158249-1 MS
Matrix: Drinking Water
Analysis Batch: 154650

Client Sample ID: 5562258/Treatment Plant (Piqua)/EP002
Prep Type: Total/NA
Prep Batch: 154517

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<0.0050		0.192	0.1809		ug/L		94	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	<0.0200		0.200	0.1922		ug/L		96	
Perfluoro-3-methoxypropanoic acid (PFMPA)	<0.0040		0.200	0.1920		ug/L		96	
Perfluoro-4-methoxybutanoic acid (PFMBA)	<0.0030		0.200	0.1918		ug/L		96	
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	<0.0030		0.178	0.1357		ug/L		76	

Isotope Dilution	*MS %Recovery*	*MS Qualifier*	*Limits*
13C3 HFPO-DA	*87*		*50 - 200*
13C4 PFBA	*94*		*50 - 200*
13C3 PFBS	*105*		*50 - 200*
13C5 PFPeA	*97*		*50 - 200*
13C5 PFHxA	*90*		*50 - 200*
13C4 PFHpA	*86*		*50 - 200*
13C8 PFOA	*88*		*50 - 200*
13C9 PFNA	*78*		*50 - 200*
13C6 PFDA	*70*		*50 - 200*
13C7 PFUnA	*70*		*50 - 200*
13C2 PFDoA	*73*		*50 - 200*
13C8 PFOS	*95*		*50 - 200*
13C3 PFHxS	*97*		*50 - 200*
13C2-4:2-FTS	*114*		*50 - 200*
13C2-6:2-FTS	*106*		*50 - 200*
13C2-8:2-FTS	*102*		*50 - 200*

Lab Sample ID: 810-158249-1 MSD
Matrix: Drinking Water
Analysis Batch: 154650

Client Sample ID: 5562258/Treatment Plant (Piqua)/EP002
Prep Type: Total/NA
Prep Batch: 154517

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	<0.0050		0.200	0.1957		ug/L		96		1	
Perfluoropentanoic acid (PFPeA)	<0.0030		0.200	0.1987		ug/L		99		2	
Perfluorohexanoic acid (PFHxA)	<0.0030		0.200	0.1939		ug/L		96		0	
Perfluoroheptanoic acid (PFHpA)	<0.0030		0.200	0.1953		ug/L		98		0	
Perfluorooctanoic acid (PFOA)	<0.0040		0.200	0.1862		ug/L		93		1	
Perfluorononanoic acid (PFNA)	<0.0040		0.200	0.1939		ug/L		97		1	
Perfluorodecanoic acid (PFDA)	<0.0030		0.200	0.2051		ug/L		103		3	
Perfluoroundecanoic acid (PFUnA)	<0.0020		0.200	0.2037		ug/L		102		2	
Perfluorododecanoic acid (PFDoA)	<0.0030		0.200	0.2029		ug/L		101		2	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.0030		0.189	0.1843		ug/L		97		1	
Perfluorobutanesulfonic acid (PFBS)	<0.0030		0.178	0.1745		ug/L		97		2	
Perfluorohexanesulfonic acid (PFHxS)	<0.0030		0.183	0.1732		ug/L		95		1	

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: 810-158249-1 MSD
Client Sample ID: 5562258/Treatment Plant (Piqua)/EP002
Matrix: Drinking Water
Prep Type: Total/NA
Analysis Batch: 154650
Prep Batch: 154517

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluoroheptanesulfonic acid (PFHpS)	<0.0030		0.191	0.1879		ug/L		98		5	
Perfluorooctanesulfonic acid (PFOS)	<0.0040		0.186	0.1762		ug/L		94		0	
Perfluoropentanesulfonic acid (PFPeS)	<0.0040		0.188	0.1844		ug/L		98		0	
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<0.0050		0.200	0.1928		ug/L		96		1	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	<0.0020		0.187	0.1776		ug/L		95		2	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	<0.0050		0.189	0.1725		ug/L		91		4	
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<0.0030		0.188	0.1780		ug/L		95		0	
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<0.0050		0.190	0.1945		ug/L		102		1	
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<0.0050		0.192	0.1852		ug/L		96		2	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	<0.0200		0.200	0.1913		ug/L		96		0	
Perfluoro-3-methoxypropanoic acid (PFMPA)	<0.0040		0.200	0.1935		ug/L		97		1	
Perfluoro-4-methoxybutanoic acid (PFMBA)	<0.0030		0.200	0.1950		ug/L		97		2	
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	<0.0030		0.178	0.1387		ug/L		78		2	

Isotope Dilution	*MSD %Recovery*	*MSD Qualifier*	*Limits*
13C3 HFPO-DA	*87*		*50 - 200*
13C4 PFBA	*96*		*50 - 200*
13C3 PFBS	*104*		*50 - 200*
13C5 PFPeA	*98*		*50 - 200*
13C5 PFHxA	*90*		*50 - 200*
13C4 PFHpA	*88*		*50 - 200*
13C8 PFOA	*90*		*50 - 200*
13C9 PFNA	*78*		*50 - 200*
13C6 PFDA	*72*		*50 - 200*
13C7 PFUnA	*71*		*50 - 200*
13C2 PFDoA	*73*		*50 - 200*
13C8 PFOS	*93*		*50 - 200*
13C3 PFHxS	*98*		*50 - 200*
13C2-4:2-FTS	*116*		*50 - 200*
13C2-6:2-FTS	*106*		*50 - 200*
13C2-8:2-FTS	*96*		*50 - 200*

Method: 537.1 UCMR5 - Perfluorinated Alkyl Acids (LC/MS)

Lab Sample ID: MBL 810-154509/1-A
Matrix: Drinking Water
Analysis Batch: 154658

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 154509

Analyte	MBL Result	MBL Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<0.0007		0.0050		ug/L		08/06/25 07:52	08/08/25 00:20	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<0.0006		0.0060		ug/L		08/06/25 07:52	08/08/25 00:20	1
Perfluorotetradecanoic acid (PFTA)	<0.0007		0.0080		ug/L		08/06/25 07:52	08/08/25 00:20	1
Perfluorotridecanoic acid (PFTrDA)	<0.0006		0.0070		ug/L		08/06/25 07:52	08/08/25 00:20	1

Surrogate	*MBL %Recovery*	*MBL Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*105*		*70 - 130*	*08/06/25 07:52*	*08/08/25 00:20*	*1*
13C2 PFHxA	*105*		*70 - 130*	*08/06/25 07:52*	*08/08/25 00:20*	*1*
13C2 PFDA	*103*		*70 - 130*	*08/06/25 07:52*	*08/08/25 00:20*	*1*
13C3 HFPO-DA	*94*		*70 - 130*	*08/06/25 07:52*	*08/08/25 00:20*	*1*

Lab Sample ID: LLCS 810-154509/2-A
Matrix: Drinking Water
Analysis Batch: 154658

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 154509

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)			0.00200	0.0016		ug/L		80	50 - 150		
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)			0.00200	0.0015		ug/L		74	50 - 150		
Perfluorotetradecanoic acid (PFTA)			0.00200	0.0014		ug/L		72	50 - 150		
Perfluorotridecanoic acid (PFTrDA)			0.00200	0.0016		ug/L		82	50 - 150		

Surrogate	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
d5-NEtFOSAA	*95*		*70 - 130*
13C2 PFHxA	*97*		*70 - 130*
13C2 PFDA	*98*		*70 - 130*
13C3 HFPO-DA	*90*		*70 - 130*

Lab Sample ID: 810-158249-1 MS
Matrix: Drinking Water
Analysis Batch: 154658

Client Sample ID: 5562258/Treatment Plant (Piqua)/EP002
Prep Type: Total/NA
Prep Batch: 154509

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<0.0050		0.100	0.0934		ug/L		93			
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<0.0060		0.100	0.0923		ug/L		92			
Perfluorotetradecanoic acid (PFTA)	<0.0080		0.100	0.0843		ug/L		84			
Perfluorotridecanoic acid (PFTrDA)	<0.0070		0.100	0.0929		ug/L		93			

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
d5-NEtFOSAA	*96*		*70 - 130*
13C2 PFHxA	*99*		*70 - 130*

Method: 537.1 UCMR5 - Perfluorinated Alkyl Acids (LC/MS) (Continued)

Lab Sample ID: 810-158249-1 MS
Matrix: Drinking Water
Analysis Batch: 154658

Client Sample ID: 5562258/Treatment Plant (Piqua)/EP002
Prep Type: Total/NA
Prep Batch: 154509

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
13C2 PFDA	*100*		*70 - 130*
13C3 HFPO-DA	*99*		*70 - 130*

Lab Sample ID: 810-158249-1 MSD
Matrix: Drinking Water
Analysis Batch: 154658

Client Sample ID: 5562258/Treatment Plant (Piqua)/EP002
Prep Type: Total/NA
Prep Batch: 154509

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<0.0050		0.100	0.0914		ug/L		91		2	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<0.0060		0.100	0.0898		ug/L		90		3	
Perfluorotetradecanoic acid (PFTA)	<0.0080		0.100	0.0786		ug/L		79		7	
Perfluorotridecanoic acid (PFTrDA)	<0.0070		0.100	0.0878		ug/L		88		6	

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
d5-NEtFOSAA	*92*		*70 - 130*
13C2 PFHxA	*89*		*70 - 130*
13C2 PFDA	*94*		*70 - 130*
13C3 HFPO-DA	*87*		*70 - 130*

Method: 200.7 UCMR5 - Metals (ICP)

Lab Sample ID: MBL 810-154611/1-A
Matrix: Drinking Water
Analysis Batch: 154852

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 154611

Analyte	MBL Result	MBL Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<1.70		9.00		ug/L		08/06/25 12:45	08/07/25 14:27	1

Lab Sample ID: LLCS 810-154611/2-A
Matrix: Drinking Water
Analysis Batch: 154852

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 154611

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Lithium			9.00	8.35	J	ug/L		93	50 - 150		

Lab Sample ID: 810-158249-1 MS
Matrix: Drinking Water
Analysis Batch: 154852

Client Sample ID: 5562258/Treatment Plant (Piqua)/EP002
Prep Type: Total/NA
Prep Batch: 154611

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Lithium	<9.00		500	497		ug/L		99			

Client: City of Piqua
Job ID: 810-158249-1
Project/Site: UCMR5 - OH5501211 - SE3 - City of Piqua, OH

Method: 200.7 UCMR5 - Metals (ICP) (Continued)

Lab Sample ID: 810-158249-1 MSD
Client Sample ID: 5562258/Treatment Plant (Piqua)/EP002
Matrix: Drinking Water
Prep Type: Total/NA
Analysis Batch: 154852
Prep Batch: 154611

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lithium	<9.00		500	495		ug/L		99		0	

QC Association Summary

Client: City of Piqua
Job ID: 810-158249-1
Project/Site: UCMR5 - OH5501211 - SE3 - City of Piqua, OH

LCMS

Prep Batch: 154509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
810-158249-1	5562258/Treatment Plant (Piqua)/EP002	Total/NA	Drinking Water	537.1 DW	
MBL 810-154509/1-A	Method Blank	Total/NA	Drinking Water	537.1 DW	
LLCS 810-154509/2-A	Lab Control Sample	Total/NA	Drinking Water	537.1 DW	
810-158249-1 MS	5562258/Treatment Plant (Piqua)/EP002	Total/NA	Drinking Water	537.1 DW	
810-158249-1 MSD	5562258/Treatment Plant (Piqua)/EP002	Total/NA	Drinking Water	537.1 DW	

Prep Batch: 154517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
810-158249-1	5562258/Treatment Plant (Piqua)/EP002	Total/NA	Drinking Water	533	
MBL 810-154517/1-A	Method Blank	Total/NA	Drinking Water	533	
LLCS 810-154517/2-A	Lab Control Sample	Total/NA	Drinking Water	533	
810-158249-1 MS	5562258/Treatment Plant (Piqua)/EP002	Total/NA	Drinking Water	533	
810-158249-1 MSD	5562258/Treatment Plant (Piqua)/EP002	Total/NA	Drinking Water	533	

Analysis Batch: 154650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
810-158249-1	5562258/Treatment Plant (Piqua)/EP002	Total/NA	Drinking Water	533	154517
MBL 810-154517/1-A	Method Blank	Total/NA	Drinking Water	533	154517
LLCS 810-154517/2-A	Lab Control Sample	Total/NA	Drinking Water	533	154517
810-158249-1 MS	5562258/Treatment Plant (Piqua)/EP002	Total/NA	Drinking Water	533	154517
810-158249-1 MSD	5562258/Treatment Plant (Piqua)/EP002	Total/NA	Drinking Water	533	154517

Analysis Batch: 154658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
810-158249-1	5562258/Treatment Plant (Piqua)/EP002	Total/NA	Drinking Water	537.1 UCMR5	154509
MBL 810-154509/1-A	Method Blank	Total/NA	Drinking Water	537.1 UCMR5	154509
LLCS 810-154509/2-A	Lab Control Sample	Total/NA	Drinking Water	537.1 UCMR5	154509
810-158249-1 MS	5562258/Treatment Plant (Piqua)/EP002	Total/NA	Drinking Water	537.1 UCMR5	154509
810-158249-1 MSD	5562258/Treatment Plant (Piqua)/EP002	Total/NA	Drinking Water	537.1 UCMR5	154509

Metals

Prep Batch: 154611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
810-158249-1	5562258/Treatment Plant (Piqua)/EP002	Total/NA	Drinking Water	200.7 UCMR5	
MBL 810-154611/1-A	Method Blank	Total/NA	Drinking Water	200.7 UCMR5	
LLCS 810-154611/2-A	Lab Control Sample	Total/NA	Drinking Water	200.7 UCMR5	
810-158249-1 MS	5562258/Treatment Plant (Piqua)/EP002	Total/NA	Drinking Water	200.7 UCMR5	
810-158249-1 MSD	5562258/Treatment Plant (Piqua)/EP002	Total/NA	Drinking Water	200.7 UCMR5	

Analysis Batch: 154852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
810-158249-1	5562258/Treatment Plant (Piqua)/EP002	Total/NA	Drinking Water	200.7 UCMR5	154611
MBL 810-154611/1-A	Method Blank	Total/NA	Drinking Water	200.7 UCMR5	154611
LLCS 810-154611/2-A	Lab Control Sample	Total/NA	Drinking Water	200.7 UCMR5	154611
810-158249-1 MS	5562258/Treatment Plant (Piqua)/EP002	Total/NA	Drinking Water	200.7 UCMR5	154611
810-158249-1 MSD	5562258/Treatment Plant (Piqua)/EP002	Total/NA	Drinking Water	200.7 UCMR5	154611

Lab Chronicle

Client: City of Piqua
Job ID: 810-158249-1
Project/Site: UCMR5 - OH5501211 - SE3 - City of Piqua, OH

Client Sample ID: 5562258/Treatment Plant (Piqua)/EP002
Lab Sample ID: 810-158249-1

Date Collected: 08/04/25 08:30
Matrix: Drinking Water
Date Received: 08/05/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			154517	MP	EA SB	08/06/25 08:42
Total/NA	Analysis	533		1	154650	MH	EA SB	08/06/25 19:39
Total/NA	Prep	537.1 DW			154509	FW	EA SB	08/06/25 07:52
Total/NA	Analysis	537.1 UCMR5		1	154658	ZK	EA SB	08/08/25 00:41
Total/NA	Prep	200.7 UCMR5			154611	AC	EA SB	08/06/25 12:45
Total/NA	Analysis	200.7 UCMR5		1	154852	AC	EA SB	08/07/25 14:32

Laboratory References:
EA SB = Eurofins Eaton Analytical South Bend, 110 S Hill Street, South Bend, IN 46617, TEL (574)233-4777

Accreditation/Certification Summary

Client: City of Piqua
Job ID: 810-158249-1
Project/Site: UCMR5 - OH5501211 - SE3 - City of Piqua, OH

Laboratory: Eurofins Eaton Analytical South Bend

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
USEPA UCMR 5	US Federal Programs	IN00035	12-31-25

Method Summary

Client: City of Piqua
Job ID: 810-158249-1
Project/Site: UCMR5 - OH5501211 - SE3 - City of Piqua, OH

Method	Method Description	Protocol	Laboratory
533	Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water	EPA	EA SB
537.1 UCMR5	Perfluorinated Alkyl Acids (LC/MS)	EPA	EA SB
200.7 UCMR5	Metals (ICP)	EPA	EA SB
200.7 UCMR5	Preparation, Total Recoverable Metals	EPA	EA SB
533	Extraction of Perfluorinated and Polyfluorinated Alkyl Acids	EPA	EA SB
537.1 DW	Extraction of Perfluorinated Alkyl Acids	EPA	EA SB

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EA SB = Eurofins Eaton Analytical South Bend, 110 S Hill Street, South Bend, IN 46617, TEL (574)233-4777

Sample Summary

Client: City of Piqua
Project/Site: UCMR5 - OH5501211 - SE3 - City of Piqua, OH

Job ID: 810-158249-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	PWSID Number
810-158249-1	5562258/Treatment Plant (Piqua)/EP002	Drinking Water	08/04/25 08:30	08/05/25 09:15	OH5501211

South Bend, IN
110 S Hill Street
South Bend, IN 46617
Phone (574) 233-4777; Phone (800) 332-4345

"UCMR 5 Sampling Form for Single Collection Site"

(Separate form is needed for each collection site)

eurofins | Drinking Water Testing

Company Contact: Jon Stevens
Company Name: City of Piqua
Company Address: 9801 N. St. Rt. 66
Piqua OH 45356
Phone: 1-937-778-2090
Email: jmstevens@piquaoh.gov
Purchase Order:

Lab PM(name): Pamela Brown
PM Email: Pamela.Brown@eurofinsus.com
EEA Project: 8100943

PWSID: OH5501211
FacID: 5562258
SPID: EP002
FacName: Treatment Plant (Piqua)
SPName: Ron Smith
Sampling Event: UCMR5

Water System Name: Piqua Municipal Water Plant
Collection Location: 9801 N. St. Rt 66 Piqua OH 45356
Scheduled Collection Date: 8-4-25

Sampler Name (Print): Jon Stevens

Date/Time Sampled: 8-4-25 0830

Client Storage temp, if > 2 days from collection:

AREA BELOW FOR LAB USE ONLY

For UCMR 5 specific criteria see: REC-WI55108 Guidance Document for UCMR 5 Sample Receiving Requirements and QA--SOP48964 UCMR 5 QAPP

IR Gun#: 25

Ice: Wet / Blue

Method	Type	# Bot	Temp °C (10°C within 2 days of collection, 6°C for > 2 days) Initial / Corrected	pH* value	✓if receipt pH acceptable	✓if pH needs adjustment	Cl (P/A) **	Sample Comments	✓if sample is invalid
200.7	FS	1	[redacted]		✓		[redacted]	810-158249 Chain of Custody	
200.7	FS	2							
533	FS	1	3.0 / 3.0		✓		A		
533	FS	2	3.0 / 3.0		✓		A		
533	FS	3	3.0 / 3.0		✓		A		
533	FRB	1	3.0 / 3.0		✓		A		
537.1	FS	1	3.0 / 3.0		✓	[redacted]	A		
537.1	FS	2	3.0 / 3.0		✓		A		
537.1	FS	3	3.0 / 3.0		✓		A		
537.1	FRB	1	3.6 / 3.6		✓		A		

* pH <2 for 200.7. pH 6-8 for 533 & 537.1. *Note: 200.7 & 533 pH may be adjusted upon receipt.*

** A = Absent if Free Cl <0.1 mg/L; P = Chlorine is present

Received By: Kameron Williams Date/Time: 08/05/2025 0915

Login Sample Receipt Checklist

Client: City of Piqua

Job Number: 810-158249-1

Login Number: 158249
List Number: 1
Creator: Williams, Kameron

List Source: Eurofins Eaton Analytical South Bend

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Samples do not require splitting or compositing.	True	
Were samples preserved to correct pH upon receipt, if applicable?	True	
Container provided by EEA	True	