



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

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Eric J. Holcomb
Governor

Brian C. Rockensuess
Commissioner

February 7, 2023

[REDACTED]
Wabash, IN 46992

Re: Drinking Water Sampling Results

Samples - LA #2094, 2095, 2097, 2183,
2184, 2186, 2188, and 2189

Dear [REDACTED],

IDEM received the results of the analysis for the water samples collected in August and October 2022 from your residential water well. The analysis was performed by IDEM's contract laboratory and tested for 18 per- and polyfluoroalkyl substances (PFAS), including the compounds perfluorooctanoic acid (PFOA) and perfluorooctane sulfonate (PFOS).

In August 2022, samples were collected from the outside faucet and kitchen sink (LA #2094, 2095, 2097) to determine the potential presence of PFAS. See Table 1.

Table 1 – August 2022 Water Sample Locations

Sample ID #	Location	PFAS Detected
LA2094	Outside spigot, riverside, past garage	Yes
LA2095	Field duplicate outside spigot, riverside, past garage	
LA2097	Kitchen sink	

Of the 18 PFAS compounds analyzed, five compounds were detected in the August 2022 sampling: specifically, PFHxA up to 10.9 parts per trillion (ppt), PFHpA up to 38.5 ppt, PFHxS up to 3.0 ppt, PFOS up to 107 ppt, and PFOA up to 256 ppt. The PFOA and PFOS results are greater than the United States Environmental Protection Agency's (U.S. EPA's) Regional Screening Levels (RSLs) of 60 parts per trillion (ppt) for PFOA and 40 ppt for PFOS.

Pending the results and possible treatment, IDEM provided bottled drinking water to your household, and subsequently implemented corrective measures to ensure safe drinking water, which included a point of use (POU) filter under your kitchen sink as well as the water line to your refrigerator.



A State that Works

In October 2022, IDEM collected samples from the outside faucet, kitchen sink and refrigerator (LA #2183, 2184, 2186, 2188, and 2189) to confirm the effectiveness of the installed filters. See Table 2.

Table 2 – October 2022 Confirmation Sample Locations

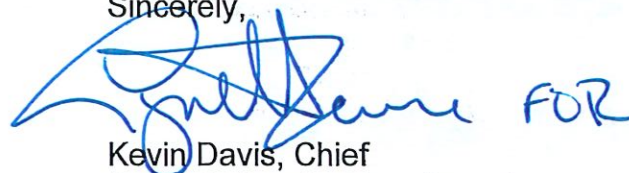
Sample ID #	Location	Treatment	PFAS Detected
LA2183	Outside faucet	Pre-treatment, Unfiltered	Yes
LA2184	Field Duplicate outside faucet		
LA2186	Kitchen sink	Post-treatment, Filtered	None
LA2188	Refrigerator		
LA2189	Field Duplicate kitchen sink		

Results of the filtered, drinking water samples showed no detections of PFAS, which shows the filters are working effectively.

However, as PFOA and PFOS levels in unfiltered, non-drinking water remain above the United States Environmental Protection Agency's (U.S. EPA's) Regional Screening Levels (RSLs) of 60 parts per trillion (ppt) for PFOA and 40 ppt for PFOS, IDEM will provide filter change-outs on a regular basis.

Please see the attached for your laboratory results. If you have questions regarding this matter, please contact Lynette Schrowe of the Remediation Services Branch at 317/234-8622, or via email at lschrowe1@idem.in.gov.

Sincerely,



Kevin Davis, Chief
Remediation Services Branch
Office of Land Quality

Attachment
cc: Wabash County Health Department

PFAS - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LA2094

Lab Name: Pace Analytical - Minnesota Contract: LA2094-LA2099
 Date Received: 08/16/2022 08:50 Matrix: Drinking SDG No.: 10621464
 Date Extracted: 08/18/2022 14:59 Lab Sample ID: 10621464001
 Date Analyzed: 08/23/2022 15:58 Lab File ID: _____
 Initial wt/vol: 248.469 Final wt/vol: 1 mL Dilution: 1 Instrument: 10PFA1 Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ng/L	Q
763051-92-9	11CI-PF3OUdS	ND	U
756426-58-1	9CI-PF3ONS	ND	U
919005-14-4	ADONA	ND	U
13252-13-6	HFPO-DA	ND	U
2991-50-6	NEtFOSAA	ND	U
2355-31-9	NMeFOSAA	ND	U
375-73-5	Perfluorobutanesulfonic acid	ND	U
335-76-2	Perfluorodecanoic acid	ND	U
307-24-4	Perfluorohexanoic acid	10.9	
307-55-1	Perfluorododecanoic acid	ND	U
375-85-9	Perfluoroheptanoic acid	38.5	
355-46-4	Perfluorohexanesulfonic acid	3.0	
375-95-1	Perfluorononanoic acid	ND	U
1763-23-1	Perfluorooctanesulfonic acid	107	
376-06-7	Perfluorotetradecanoic acid	ND	U
72629-94-8	Perfluorotridecanoic acid	ND	U
2058-94-8	Perfluoroundecanoic acid	ND	U

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PFAS - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LA2094

Lab Name: Pace Analytical - Minnesota Contract: LA2094-LA2099
Date Received: 08/16/2022 08:50 Matrix: Drinking SDG No.: 10621464
Date Extracted: 08/18/2022 14:59 Lab Sample ID: 10621464001
Date Analyzed: 08/23/2022 20:39 Lab File ID: _____
Initial wt/vol: 248.469 Final wt/vol: 1 mL Dilution: 10 Instrument: 10PFA1 Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ng/L	Q
335-67-1	Perfluorooctanoic acid	240	

PFAS - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LA2095

Lab Name: Pace Analytical - Minnesota
Date Received: 08/16/2022 08:50
Date Extracted: 08/18/2022 14:59
Date Analyzed: 08/23/2022 16:27
Initial wt/vol: 250.118 Final wt/vol: 1 mL Dilution: 1

Contract: LA2094-LA2099
Matrix: Drinking SDG No.: 10621464
Lab Sample ID: 10621464002
Lab File ID: _____
Instrument: 10PFA1 Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ng/L	Q
763051-92-9	11CI-PF3OUdS	ND	U
756426-58-1	9CI-PF3ONS	ND	U
919005-14-4	ADONA	ND	U
13252-13-6	HFPO-DA	ND	U
2991-50-6	NEtFOSAA	ND	U
2355-31-9	NMeFOSAA	ND	U
375-73-5	Perfluorobutanesulfonic acid	ND	U
335-76-2	Perfluorodecanoic acid	ND	U
307-24-4	Perfluorohexanoic acid	10	
307-55-1	Perfluorododecanoic acid	ND	U
375-85-9	Perfluoroheptanoic acid	35.5	
355-46-4	Perfluorohexanesulfonic acid	2.7	
375-95-1	Perfluorononanoic acid	ND	U
1763-23-1	Perfluorooctanesulfonic acid	98.5	
376-06-7	Perfluorotetradecanoic acid	ND	U
72629-94-8	Perfluorotridecanoic acid	ND	U
2058-94-8	Perfluoroundecanoic acid	ND	U

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PFAS - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LA2095

Lab Name: Pace Analytical - Minnesota Contract: LA2094-LA2099
Date Received: 08/16/2022 08:50 Matrix: Drinking SDG No.: 10621464
Date Extracted: 08/18/2022 14:59 Lab Sample ID: 10621464002
Date Analyzed: 08/23/2022 21:01 Lab File ID: _____
Initial wt/vol: 250.118 Final wt/vol: 1 mL Dilution: 10 Instrument: 10PFA1 Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ng/L	Q
335-67-1	Perfluorooctanoic acid	214	

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PFAS - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LA2097

Lab Name: Pace Analytical - Minnesota
Date Received: 08/16/2022 08:50
Date Extracted: 08/19/2022 14:50
Date Analyzed: 08/23/2022 19:27
Initial wt/vol: 260.997 Final wt/vol: 1 mL Dilution: 1

Contract: LA2094-LA2099
Matrix: Drinking SDG No.: 10621464
Lab Sample ID: 10621464004
Lab File ID: _____
Instrument: 10PFA1 Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ng/L	Q
763051-92-9	11CI-PF3OUdS	ND	U
756426-58-1	9CI-PF3ONS	ND	U
919005-14-4	ADONA	ND	U
13252-13-6	HFPO-DA	ND	U
2991-50-6	NEtFOSAA	ND	U
2355-31-9	NMeFOSAA	ND	U
375-73-5	Perfluorobutanesulfonic acid	ND	U
335-76-2	Perfluorodecanoic acid	ND	U
307-24-4	Perfluorohexanoic acid	10.1	
307-55-1	Perfluorododecanoic acid	ND	U
375-85-9	Perfluoroheptanoic acid	35.3	
355-46-4	Perfluorohexanesulfonic acid	2.6	
375-95-1	Perfluorononanoic acid	ND	U
1763-23-1	Perfluorooctanesulfonic acid	91.3	
376-06-7	Perfluorotetradecanoic acid	ND	U
72629-94-8	Perfluorotridecanoic acid	ND	U
2058-94-8	Perfluoroundecanoic acid	ND	U

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PFAS - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LA2097

Lab Name: Pace Analytical - Minnesota Contract: LA2094-LA2099
Date Received: 08/16/2022 08:50 Matrix: Drinking SDG No.: 10621464
Date Extracted: 08/19/2022 14:50 Lab Sample ID: 10621464004
Date Analyzed: 08/24/2022 09:28 Lab File ID: _____
Initial wt/vol: 260.997 Final wt/vol: 1 mL Dilution: 5 Instrument: 10PFA1 Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ng/L	Q
335-67-1	Perfluorooctanoic acid	256	

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PFAS - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LA2183

Lab Name: Pace Analytical - Minnesota
Date Received: 10/04/2022 08:50
Date Extracted: 10/12/2022 09:50
Date Analyzed: 10/12/2022 18:11
Initial wt/vol: 255.440 Final wt/vol: 1 mL Dilution: 1

Contract: LA2183-LA2190
Matrix: Drinking SDG No.: 10628204
Lab Sample ID: 10628204001
Lab File ID: _____
Instrument: 10PFA1 Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ng/L	Q
763051-92-9	11CI-PF3OUdS	ND	U
756426-58-1	9CI-PF3ONS	ND	U
919005-14-4	ADONA	ND	U
13252-13-6	HFPO-DA	ND	U
2991-50-6	NEtFOSAA	ND	U
2355-31-9	NMeFOSAA	ND	U
375-73-5	Perfluorobutanesulfonic acid	ND	U
335-76-2	Perfluorodecanoic acid	ND	U
307-24-4	Perfluorohexanoic acid	8.5	
307-55-1	Perfluorododecanoic acid	ND	U
375-85-9	Perfluoroheptanoic acid	30.8	
355-46-4	Perfluorohexanesulfonic acid	2.3	
375-95-1	Perfluorononanoic acid	ND	U
1763-23-1	Perfluorooctanesulfonic acid	87.2	
376-06-7	Perfluorotetradecanoic acid	ND	U
72629-94-8	Perfluorotridecanoic acid	ND	U
2058-94-8	Perfluoroundecanoic acid	ND	U

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PFAS - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LA2183

Lab Name: Pace Analytical - Minnesota Contract: LA2183-LA2190
Date Received: 10/04/2022 08:50 Matrix: Drinking SDG No.: 10628204
Date Extracted: 10/12/2022 09:50 Lab Sample ID: 10628204001
Date Analyzed: 10/13/2022 09:25 Lab File ID: _____
Initial wt/vol: 255.440 Final wt/vol: 1 mL Dilution: 5 Instrument: 10PFA1 Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ng/L	Q
335-67-1	Perfluorooctanoic acid	251	

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PFAS - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LA2184

Lab Name: Pace Analytical - Minnesota Contract: LA2183-LA2190
 Date Received: 10/04/2022 08:50 Matrix: Drinking SDG No.: 10628204
 Date Extracted: 10/12/2022 09:50 Lab Sample ID: 10628204002
 Date Analyzed: 10/12/2022 18:18 Lab File ID: _____
 Initial wt/vol: 249.206 Final wt/vol: 1 mL Dilution: 1 Instrument: 10PFA1 Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ng/L	Q
763051-92-9	11CI-PF3OUdS	ND	U
756426-58-1	9CI-PF3ONS	ND	U
919005-14-4	ADONA	ND	U
13252-13-6	HFPO-DA	ND	U
2991-50-6	NEtFOSAA	ND	U
2355-31-9	NMeFOSAA	ND	U
375-73-5	Perfluorobutanesulfonic acid	ND	U
335-76-2	Perfluorodecanoic acid	ND	U
307-24-4	Perfluorohexanoic acid	10.9	
307-55-1	Perfluorododecanoic acid	ND	U
375-85-9	Perfluoroheptanoic acid	39.4	
355-46-4	Perfluorohexanesulfonic acid	3.0	
375-95-1	Perfluorononanoic acid	ND	U
1763-23-1	Perfluorooctanesulfonic acid	113	
376-06-7	Perfluorotetradecanoic acid	ND	U
72629-94-8	Perfluorotridecanoic acid	ND	U
2058-94-8	Perfluoroundecanoic acid	ND	U

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PFAS - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LA2184

Lab Name: Pace Analytical - Minnesota Contract: LA2183-LA2190
Date Received: 10/04/2022 08:50 Matrix: Drinking SDG No.: 10628204
Date Extracted: 10/12/2022 09:50 Lab Sample ID: 10628204002
Date Analyzed: 10/13/2022 09:32 Lab File ID: _____
Initial wt/vol: 249.206 Final wt/vol: 1 mL Dilution: 5 Instrument: 10PFA1 Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ng/L	Q
335-67-1	Perfluorooctanoic acid	317	

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PFAS - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LA2186

Lab Name: Pace Analytical - Minnesota Contract: LA2183-LA2190
 Date Received: 10/04/2022 08:50 Matrix: Drinking SDG No.: 10628204
 Date Extracted: 10/12/2022 09:50 Lab Sample ID: 10628204004
 Date Analyzed: 10/12/2022 18:33 Lab File ID: _____
 Initial wt/vol: 254.918 Final wt/vol: 1 mL Dilution: 1 Instrument: 10PFA1 Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ng/L	Q
763051-92-9	11CI-PF3OUdS	ND	U
756426-58-1	9CI-PF3ONS	ND	U
919005-14-4	ADONA	ND	U
13252-13-6	HFPO-DA	ND	U
2991-50-6	NEtFOSAA	ND	U
2355-31-9	NMeFOSAA	ND	U
375-73-5	Perfluorobutanesulfonic acid	ND	U
335-76-2	Perfluorodecanoic acid	ND	U
307-24-4	Perfluorohexanoic acid	ND	U
307-55-1	Perfluorododecanoic acid	ND	U
375-85-9	Perfluoroheptanoic acid	ND	U
355-46-4	Perfluorohexanesulfonic acid	ND	U
375-95-1	Perfluorononanoic acid	ND	U
1763-23-1	Perfluorooctanesulfonic acid	ND	U
335-67-1	Perfluorooctanoic acid	ND	U
376-06-7	Perfluorotetradecanoic acid	ND	U
72629-94-8	Perfluorotridecanoic acid	ND	U
2058-94-8	Perfluoroundecanoic acid	ND	U

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PFAS - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LA2188

Lab Name: Pace Analytical - Minnesota Contract: LA2183-LA2190
 Date Received: 10/04/2022 08:50 Matrix: Drinking SDG No.: 10628204
 Date Extracted: 10/12/2022 09:50 Lab Sample ID: 10628204006
 Date Analyzed: 10/12/2022 19:09 Lab File ID: _____
 Initial wt/vol: 118.807 Final wt/vol: 1 mL Dilution: 1 Instrument: 10PFA1 Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ng/L	Q
763051-92-9	11CI-PF3OUdS	ND	U
756426-58-1	9CI-PF3ONS	ND	U
919005-14-4	ADONA	ND	U
13252-13-6	HFPO-DA	ND	U
2991-50-6	NEtFOSAA	ND	U
2355-31-9	NMeFOSAA	ND	U
375-73-5	Perfluorobutanesulfonic acid	ND	U
335-76-2	Perfluorodecanoic acid	ND	U
307-24-4	Perfluorohexanoic acid	ND	U
307-55-1	Perfluorododecanoic acid	ND	U
375-85-9	Perfluoroheptanoic acid	ND	U
355-46-4	Perfluorohexanesulfonic acid	ND	U
375-95-1	Perfluorononanoic acid	ND	U
1763-23-1	Perfluorooctanesulfonic acid	ND	U
335-67-1	Perfluorooctanoic acid	ND	U
376-06-7	Perfluorotetradecanoic acid	ND	U
72629-94-8	Perfluorotridecanoic acid	ND	U
2058-94-8	Perfluoroundecanoic acid	ND	U

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PFAS - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LA2189

Lab Name: Pace Analytical - Minnesota Contract: LA2183-LA2190
 Date Received: 10/04/2022 08:50 Matrix: Drinking SDG No.: 10628204
 Date Extracted: 10/12/2022 09:50 Lab Sample ID: 10628204007
 Date Analyzed: 10/12/2022 19:16 Lab File ID: _____
 Initial wt/vol: 251.538 Final wt/vol: 1 mL Dilution: 1 Instrument: 10PFA1 Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ng/L	Q
763051-92-9	11CI-PF3OUdS	ND	U
756426-58-1	9CI-PF3ONS	ND	U
919005-14-4	ADONA	ND	U
13252-13-6	HFPO-DA	ND	U
2991-50-6	NEtFOSAA	ND	U
2355-31-9	NMeFOSAA	ND	U
375-73-5	Perfluorobutanesulfonic acid	ND	U
335-76-2	Perfluorodecanoic acid	ND	U
307-24-4	Perfluorohexanoic acid	ND	U
307-55-1	Perfluorododecanoic acid	ND	U
375-85-9	Perfluoroheptanoic acid	ND	U
355-46-4	Perfluorohexanesulfonic acid	ND	U
375-95-1	Perfluorononanoic acid	ND	U
1763-23-1	Perfluorooctanesulfonic acid	ND	U
335-67-1	Perfluorooctanoic acid	ND	U
376-06-7	Perfluorotetradecanoic acid	ND	U
72629-94-8	Perfluorotridecanoic acid	ND	U
2058-94-8	Perfluoroundecanoic acid	ND	U

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