

PFAS Nomenclature
GSU Monitoring Well Sampling Analytical Results
October 2021
Iosco County, Michigan
60612721

Chemical Name	Abbreviation	Cas Number
Perfluorobutanoic acid	PFBA	375-22-4
Perfluoropentanoic acid	PFPeA	2706-90-3
Perfluorohexanoic acid	PFHxA	307-24-4
Perfluoroheptanoic acid	PFHpA	375-85-9
Perfluorooctanoic acid	PFOA	335-67-1
Perfluorononanoic acid	PFNA	375-95-1
Perfluorodecanoic acid	PFDA	335-76-2
Perfluoroundecanoic acid	PFUnA	2058-94-8
Perfluorododecanoic acid	PFDoA	307-55-1
Perfluorotridecanoic acid	PFTTrDA	72629-94-8
Perfluorotetradecanoic acid	PFTeDA	376-06-7
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid	9Cl-PF3ONS	756426-58-1
4,8-Dioxa-3H-perfluorononanoic acid	ADONA	919005-14-4
Perfluoro-2-propoxypropanoic acid	HFPO-DA	13252-13-6
Perfluorodecane sulfonic acid	PFDS	335-77-3
Perfluorobutane sulfonic acid	PFBS	375-73-5
Perfluoropentane sulfonic acid	PFPeS	2706-91-4
Perfluorohexane sulfonic acid	PFHxS	355-46-4
Perfluoroheptane sulfonic acid	PFHpS	375-92-8
Perfluorooctane sulfonic acid	PFOS	1763-23-1
Perfluorononane sulfonic acid	PFNS	68259-12-1
Perfluorooctanesulfonamide	PFOSA	754-91-6
4:2 Fluorotelomer sulfonic acid	4:2 FTS	757124-72-4
6:2 Fluorotelomer sulfonic acid	6:2 FTS	27619-97-2
8:2 Fluorotelomer sulfonic acid	8:2FTS	39108-34-4
N-Ethyl Perfluorooctane sulfonamido acetic acid	EtFOSAA	2991-50-6
N-Methyl Perfluorooctane sulfonamide	MeFOSAA	2355-31-9

	Perfluoroalkyl Carboxylic Acids (PFCAs)
	Perfluoropolyether carboxylic acids (PFPE)
	Perfluoroalkane Sulfonic Acids (PFSAs)
	Perfluoroalkane Sulfonamides (FASAs)
	Fluorotelomer Sulfonic Acids (FTSAs)
	N-Ethyl Perfluoroalkane Sulfonamidoacetic Acids (EtFASAAs)
	N-Methyl Perfluoroalkane Sulfonamidoacetic Acids (MeFASAAs)

GSU Quarterly Groudwater Sampling Analytical Results
October 2021
Iosco County, Michigan

		DEQ-CR-MW002												
		20 - 25 ft												
		Location												
		Well Screen Interval (bgs)												
		Sample												
		Sample Date												
		Lab Report												
		GW1910081420RAP	GW2001221050MK	GW2004151045RL	GW2007151105RL	GW2010281015RL	GW2101261405SK	GW2104071245RLF	GW2107211420RLF	FD2107211420RLF	GW2110130915BA			
		10/8/2019	1/22/2020	4/15/2020	7/15/2020	10/28/2020	1/26/2021	4/7/2021	7/21/2021	7/21/2021	10/13/2021			
		1903623	2000165	2000899	2001522	2002372	2102039	2104109	2107214	2107214	2107214	2110157		
Compound	Unit	Michigan Part 201 Generic Cleanup Criteria		Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
		Groundwater Surface Interface	Residential/Nonresidential Drinking Water											
PFBA	ng/l	NC	NC	< 2.11	2.39 J	1.62 J	2.84 J	1.95 J	2.99 J	2.37 J	1.86 J	1.80 J	2.08 J	
PFPeA	ng/l	NC	NC	< 2.11	< 2.02	< 2.02	1.50 J	< 2.02	1.24 J	3.26 J	1.90 J	1.98 J	2.1 J	
PFHxA	ng/l	NC	400,000	< 2.11	< 2.02	2.97 J	1.80 J	1.62 J	2.36 J, Q	6.11 Q	3.74 J	3.24 J	3.44 J, Q	
PFHpA	ng/l	NC	NC	< 2.11	3.03 J, Q	4.69 Q	2.07 J	1.09 J	4.09	4.93 Q	3.65 J	3.29 J	2.71 J	
PFOA	ng/l	12,000	8	2.12 J	7.31	7.65	4.37	2.52 J	5.32	10.90	10.40	9.58	12.8	
PFNA	ng/l	NC	6	< 2.11	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	
PFDA	ng/l	NC	NC	< 2.11	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	
PFUnDA	ng/l	NC	NC	< 2.11	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	
PFDoDA	ng/l	NC	NC	< 2.11	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	
PFTTrDA	ng/l	NC	NC	< 2.11	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	
PFTeDA	ng/l	NC	NC	< 2.11	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	
11CI-PF3OUdS	ng/l	NC	NC	---	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	
9CI-PF3ONS	ng/l	NC	NC	---	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	
ADONA	ng/l	NC	NC	---	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	
HFPO-DA	ng/l	NC	NC	---	< 3.02	< 3.04	< 3.22	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	
PFDS	ng/l	NC	NC	< 2.11	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	
PFBS	ng/l	NC	420	< 2.11	1.93 J	< 2.02	< 2.15	2.16 J	2.11 J	1.59 J	2.29 J	2.20 J	2.21 J	
PFPeS	ng/l	NC	NC	< 2.11	< 2.02	< 2.02	< 2.15	3.77 J	1.66 J	< 2.05	1.59 J, Q	1.52 J	2.17 J	
PFHxS	ng/l	NC	51	< 2.11	4.93	4.50	1.85 J	1.40 J	4.34	12.10	18.90	20.80	22.8	
PFHpS	ng/l	NC	NC	< 2.11	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	2.38 J, Q	< 1.99	
PFOS	ng/l	12	16	12.90	41.50	43.90	25.40	26.80	36.50	55.00	52.20	47.20	53.4	
PFNS	ng/l	NC	NC	< 2.11	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	
FOSA	ng/l	NC	NC	< 2.11	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	
4:2 FTS	ng/l	NC	NC	< 2.11	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	
6:2 FTS	ng/l	NC	NC	< 2.11	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	
8:2 FTS	ng/l	NC	NC	< 2.11	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	
NEtFOSAA	ng/l	NC	NC	< 2.11	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	
NMeFOSAA	ng/l	NC	NC	< 2.11	< 2.02	< 2.02	< 2.15	< 2.02	< 2.01	< 2.05	< 2.04	< 2.12	< 1.99	
Total PFAS	ng/l	NC	NC	15.02	61.09	65.33	39.83	41.31	60.61	96.26	96.53	93.99	103.71	

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
7. **BOLD** - Analyte above detection
8. **Highlight** - Above one or more criteria.
9. **GRAY** = Not Sampled

GSU Quarterly Groudwater Sampling Analytical Results
October 2021
Iosco County, Michigan

		Location			DEQ-CR-MW003						DEQ-CR-MW005					
		Well Screen Interval (bgs)									18 - 23 ft					
		Sample			GW2010281545RL		GW2101271510SK		GW2104071455RLF		GW1910081505RAP		GW2001221050RAP		GW2004150840RL	
		Sample Date			10/28/2020		1/27/2021		4/7/2021		10/8/2019		1/22/2020		4/15/2020	
		Lab Report			2002372		2102039		2104109		1903623		2000165		2000899	
Compound	Unit	Michigan Part 201 Generic Cleanup Criteria		Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
		Groundwater Surface Water Interface	Residential/Nonresidential Drinking Water													
PFBA	ng/l	NC	NC	< 2.01	< 2.01	< 1.99	< 2.05	< 2.05	< 2.03							
PFPeA	ng/l	NC	NC	< 2.01	< 2.01	< 1.99	< 2.05	< 2.05	< 2.03							
PFHxA	ng/l	NC	400,000	< 2.01	< 2.01	< 1.99	< 2.05	< 2.05	< 2.03							
PFHpA	ng/l	NC	NC	< 2.01	< 2.01	< 1.99	< 2.05	< 2.05	< 2.03							
PFOA	ng/l	12,000	8	< 2.01	< 2.01	< 1.99	< 2.05	< 2.05	< 2.03							
PFNA	ng/l	NC	6	< 2.01	< 2.01	< 1.99	< 2.05	< 2.05	< 2.03							
PFDA	ng/l	NC	NC	< 2.01	< 2.01	< 1.99	< 2.05	< 2.05	< 2.03							
PFUnDA	ng/l	NC	NC	< 2.01	< 2.01	< 1.99	< 2.05	< 2.05	< 2.03							
PFDoDA	ng/l	NC	NC	< 2.01	< 2.01	< 1.99	< 2.05	< 2.05	< 2.03							
PFTTrDA	ng/l	NC	NC	< 2.01	< 2.01	< 1.99	< 2.05	< 2.05	< 2.03							
PFTeDA	ng/l	NC	NC	< 2.01	< 2.01	< 1.99	< 2.05	< 2.05	< 2.03							
11CI-PF3OUdS	ng/l	NC	NC	< 2.01	< 2.01	< 1.99	---	< 2.05	< 2.03							
9CI-PF3ONS	ng/l	NC	NC	< 2.01	< 2.01	< 1.99	---	< 2.05	< 2.03							
ADONA	ng/l	NC	NC	< 2.01	< 2.01	< 1.99	---	< 2.05	< 2.03							
HFPO-DA	ng/l	NC	NC	< 2.01	< 2.01	< 1.99	---	< 3.07	< 3.05							
PFDS	ng/l	NC	NC	< 2.01	< 2.01	< 1.99	< 2.05	< 2.05	< 2.03							
PFBS	ng/l	NC	420	< 2.01	< 2.01	< 1.99	< 2.05	< 2.05	< 2.03							
PFPeS	ng/l	NC	NC	< 2.01	< 2.01	< 1.99	< 2.05	< 2.05	< 2.03							
PFHxS	ng/l	NC	51	< 2.01	< 2.01	< 1.99	< 2.05	< 2.05	< 2.03							
PFHpS	ng/l	NC	NC	< 2.01	< 2.01	< 1.99	< 2.05	< 2.05	< 2.03							
PFOS	ng/l	12	16	< 2.01	< 2.01	< 1.99	< 2.05	< 2.05	< 2.03							
PFNS	ng/l	NC	NC	< 2.01	< 2.01	< 1.99	< 2.05	< 2.05	< 2.03							
FOSA	ng/l	NC	NC	< 2.01	< 2.01	< 1.99	< 2.05	< 2.05	< 2.03							
4:2 FTS	ng/l	NC	NC	< 2.01	< 2.01	< 1.99	< 2.05	< 2.05	< 2.03							
6:2 FTS	ng/l	NC	NC	< 2.01	< 2.01	< 1.99	< 2.05	< 2.05	< 2.03							
8:2 FTS	ng/l	NC	NC	< 2.01	< 2.01	< 1.99	< 2.05	< 2.05	< 2.03							
NETFOSAA	ng/l	NC	NC	< 2.01	< 2.01	< 1.99	< 2.05	< 2.05	2.24 J							
NMeFOSAA	ng/l	NC	NC	< 2.01	< 2.01	< 1.99	< 2.05	< 2.05	< 2.03							
Total PFAS	ng/l	NC	NC	ND	ND	ND	ND	ND	2.24							

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
7. **Highlight** - Above one or more criteria.
8. **GRAY** = Not Sampled

GSU Quarterly Groudwater Sampling Analytical Results
October 2021
Iosco County, Michigan

		DEQ-CR-MW006											
		20 - 25 ft											
		Well Screen Interval (bgs)											
		Sample											
		Sample Date											
		Lab Report											
		GW1910081555RAP	GW2001220950MK	GW2004150945RL	GW2007151005RL	GW2007151005RL-FD	GW2010280930RL	GW2101291030SK	GW2104071350RLF	GW2107211525RLF	GW2110131025BA		
		10/8/2019	1/22/2020	4/15/2020	7/15/2020	7/15/2020	10/28/2020	1/29/2021	4/7/2021	7/21/2021	10/13/2021		
		1903623	2000165	2000899	2001522	2001522	2002372	2102040	2104109	2107214	2110157		
Compound	Unit	Michigan Part 201 Generic Cleanup Criteria		Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
		Groundwater Surface Interface	Residential/Nonresidential Drinking Water										
PFBA	ng/l	NC	NC	2.22 J	2.71 J	3.17 J	2.46 J	2.13 J	1.45 J	2.28 J	2.64 J	2.04 J	1.71 J
PFPeA	ng/l	NC	NC	2.29 J	< 1.99	< 1.99	< 2.07	< 1.92	1.23 J	1.53 J	1.44 J	1.82 J	< 1.99
PFHxA	ng/l	NC	400,000	3.03 J	< 1.99	< 1.99	< 2.07	< 1.92	1.21 J	2.51 J, Q	1.91 J, Q	3.31 J	1.16 J, Q
PFHpA	ng/l	NC	NC	1.52 J, Q	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	2.38 J	1.18 J, Q	1.55 J	< 1.99
PFOA	ng/l	12,000	8	5.64	3.85 J	5.57	3.44 J	3.19 J	3.85 J	8.07	4.48	5.83	3.79 J
PFNA	ng/l	NC	6	< 2.05	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99
PFDA	ng/l	NC	NC	< 2.05	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99
PFUnDA	ng/l	NC	NC	< 2.05	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99
PFDoDA	ng/l	NC	NC	< 2.05	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99
PFTTrDA	ng/l	NC	NC	< 2.05	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99
PFTeDA	ng/l	NC	NC	< 2.05	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99
11CI-PF3OUdS	ng/l	NC	NC	---	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99
9CI-PF3ONS	ng/l	NC	NC	---	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99
ADONA	ng/l	NC	NC	---	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99
HFPO-DA	ng/l	NC	NC	---	< 2.99	< 2.99	< 3.11	< 2.87	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99
PFDS	ng/l	NC	NC	< 2.05	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99
PFBS	ng/l	NC	420	< 2.05	1.66 J	1.94 J	< 2.07	< 1.92	< 1.99	2.19 J	1.73 J	2.69 J, Q	1.67 J
PFPeS	ng/l	NC	NC	< 2.05	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99
PFHxS	ng/l	NC	51	15.60	12.40	7.55	6.92	6.49	11.00	21.10	7.20	19.70	11.2
PFHpS	ng/l	NC	NC	< 2.05	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99
PFOS	ng/l	12	16	6.08 Q	7.27	3.79 J	5.96	6.31	9.89	10.90	5.36	1.40 J	3.05 J
PFNS	ng/l	NC	NC	< 2.05	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99
FOSA	ng/l	NC	NC	< 2.05	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99
4:2 FTS	ng/l	NC	NC	< 2.05	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99
6:2 FTS	ng/l	NC	NC	< 2.05	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99
8:2 FTS	ng/l	NC	NC	< 2.05	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99
NETFOSAA	ng/l	NC	NC	< 2.05	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99
NMeFOSAA	ng/l	NC	NC	< 2.05	< 1.99	< 1.99	< 2.07	< 1.92	< 1.99	< 2.02	< 2.02	< 2.00	< 1.99
Total PFAS	ng/l	NC	NC	36.38	27.89	22.02	18.78	18.12	28.63	50.96	25.94	38.34	22.58

Footnotes:

1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
7. **BOLD** - Analyte above detection
8. **Highlight** - Above one or more criteria.
9. **GRAY** = Not Sampled

GSU Quarterly Groudwater Sampling Analytical Results
October 2021
Iosco County, Michigan

		Location Well Screen Interval (bgs) Sample Sample Date Lab Report							DEQ-CR-MW007	DEQ-LD-MW001						
									GW2107211635RLF 7/21/2021 2107214	10 - 15 ft					GW2107211030RLF 7/21/2021 2107214	
										GW1910091100RAP 10/9/2019 1903623	GW2001221215RAP 1/22/2020 2000165	GW2004151505RL 4/15/2020 2000899	GW2007151325RL 7/15/2020 2001522	GW2010281300RL 10/28/2020 2002372		
		Michigan Part 201 Generic Cleanup Criteria							Result	Result	Result	Result	Result	Result	Result	
Compound	Unit	Groundwater Surface Water Interface	Residential/Nonresidential Drinking Water													
PFBA	ng/l	NC	NC					< 2.08	5.93	1.67 J	< 2.04	1.79 J	1.27 J		1.06 J	
PFPeA	ng/l	NC	NC					< 2.08	4.55	< 2.06	< 2.04	< 1.98	< 1.95		< 2.09	
PFHxA	ng/l	NC	400,000					< 2.08	6.81	1.66 J	< 2.04	< 1.98	< 1.95		< 2.09	
PFHpA	ng/l	NC	NC					< 2.08	2.33 J, Q	< 2.06	< 2.04	< 1.98	< 1.95		< 2.09	
PFOA	ng/l	12,000	8					< 2.08	3.44 J	3.12 J	2.56 J	3.24 J	2.03 J		3.04 J	
PFNA	ng/l	NC	6					< 2.08	< 2.07	< 2.06	< 2.04	< 1.98	< 1.95		< 2.09	
PFDA	ng/l	NC	NC					< 2.08	< 2.07	< 2.06	< 2.04	< 1.98	< 1.95		< 2.09	
PFUnDA	ng/l	NC	NC					< 2.08	< 2.07	< 2.06	< 2.04	< 1.98	< 1.95		< 2.09	
PFDODA	ng/l	NC	NC					< 2.08	< 2.07	< 2.06	< 2.04	< 1.98	< 1.95		< 2.09	
PFTTrDA	ng/l	NC	NC					< 2.08	< 2.07	< 2.06	< 2.04	< 1.98	< 1.95		< 2.09	
PFTeDA	ng/l	NC	NC	Oct 2019	Jan 2020	Apr 2020	Jul 2020	Oct 2020	Jan 2021	Apr 2021	Oct 2021	Jan 2021	Apr 2021	Oct 2021	< 2.09	
11Cl-PF3OUdS	ng/l	NC	NC					< 2.08	---	< 2.06	< 2.04	< 1.98	< 1.95		< 2.09	
9Cl-PF3ONS	ng/l	NC	NC					< 2.08	---	< 2.06	< 2.04	< 1.98	< 1.95		< 2.09	
ADONA	ng/l	NC	NC					< 2.08	---	< 2.06	< 2.04	< 1.98	< 1.95		< 2.09	
HFPO-DA	ng/l	NC	NC					< 2.08	---	< 3.09	< 3.06	< 2.96	< 1.95		< 2.09	
PFDS	ng/l	NC	NC					< 2.08	< 2.07	< 2.06	< 2.04	< 1.98	< 1.95		< 2.09	
PFBS	ng/l	NC	420					< 2.08	3.32 J	2.36 J	2.23 J	2.63 J	2.23 J		3.03 J	
PFPeS	ng/l	NC	NC					< 2.08	< 2.07	< 2.06	< 2.04	< 1.98	< 1.95		< 2.09	
PFHxS	ng/l	NC	51					< 2.08	3.33 J	1.82 J	1.71 J	3.53 J	3.33 J		2.84 J	
PFHpS	ng/l	NC	NC					< 2.08	< 2.07	< 2.06	< 2.04	< 1.98	< 1.95		< 2.09	
PFOS	ng/l	12	16					< 2.08	2.05 J, Q	2.66 J	< 2.04	2.26 J	2.76 J		< 2.09	
PFNS	ng/l	NC	NC					< 2.08	< 2.07	< 2.06	< 2.04	< 1.98	< 1.95		< 2.09	
FOSA	ng/l	NC	NC					< 2.08	< 2.07	< 2.06	< 2.04	< 1.98	< 1.95		< 2.09	
4:2 FTS	ng/l	NC	NC					< 2.08	< 2.07	< 2.06	< 2.04	< 1.98	< 1.95		< 2.09	
6:2 FTS	ng/l	NC	NC					< 2.08	< 2.07	< 2.06	< 2.04	< 1.98	< 1.95		< 2.09	
8:2 FTS	ng/l	NC	NC					< 2.08	< 2.07	< 2.06	< 2.04	< 1.98	< 1.95		< 2.09	
NETFOSAA	ng/l	NC	NC					< 2.08	< 2.07	< 2.06	< 2.04	< 1.98	< 1.95		< 2.09	
NMeFOSAA	ng/l	NC	NC					< 2.08	< 2.07	< 2.06	< 2.04	< 1.98	< 1.95		< 2.09	
Total PFAS	ng/l	NC	NC					ND	31.76	13.29	6.50	13.45	11.62		9.97	

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
7. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. **GRAY** = Not Sampled

GSU Quarterly Groudwater Sampling Analytical Results
October 2021
Iosco County, Michigan

		DEQ-LD-MW003												
		10 - 15 ft												
		GW1910091215RAP	GW2001221350RAP	GW2004151350RL	FD2004151350RL	GW2007151240RL	GW2010281145RL	FD2010281145RL	GW2101290915SK	GW2104071810RLF	GW2107211115RLF	GW2110131310BA		
		10/9/2019	1/22/2020	4/15/2020	4/15/2020	7/15/2020	10/28/2020	10/28/2020	1/29/2021	4/7/2021	7/21/2021	10/13/2021		
		1903623	2000165	2000899	2000899	2001522	2002372	2002372	2102040	2104108	2107214	2110157		
Compound	Unit	Michigan Part 201 Generic Cleanup Criteria		Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
		Groundwater Surface Water Interface	Residential/Nonresidential Drinking Water											
PFBA	ng/l	NC	NC	< 2.17	3.43 J	2.83 J	3.02 J	3.45 J	4.41	4.81	2.77 J	1.14 J	2.57 J	5.06
PFPeA	ng/l	NC	NC	1.70 J	6.97	4.50	5.25	7.06	16.90	16.60	7.95	2.99 J	2.33 J	12.4
PFHxA	ng/l	NC	400,000	2.56 J	7.95	4.96	4.59 Q	6.63	14.70	15.90	9.27	3.62 J	3.47 J, Q	17.1
PFHpA	ng/l	NC	NC	< 2.17	2.22 J	1.72 J, Q	1.58 J, Q	< 2.07	4.37	4.55	2.99 J	1.05 J	1.11 J	5.1
PFOA	ng/l	12,000	8	2.57 J	6.25	4.09	4.68	4.40	11.00	10.20	10.50	4.21	3.94 J	13.4
PFNA	ng/l	NC	6	< 2.17	< 2.01	< 2.02	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02
PFDA	ng/l	NC	NC	< 2.17	< 2.01	< 2.02	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02
PFUnDA	ng/l	NC	NC	< 2.17	< 2.01	< 2.02	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02
PFDaDA	ng/l	NC	NC	< 2.17	< 2.01	< 2.02	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02
PFTTrDA	ng/l	NC	NC	< 2.17	< 2.01	< 2.02	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02
PFTeDA	ng/l	NC	NC	< 2.17	< 2.01	< 2.02	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02
11Cl-PF3OUdS	ng/l	NC	NC	---	< 2.01	< 2.02	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02
9Cl-PF3ONS	ng/l	NC	NC	---	< 2.01	< 2.02	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02
ADONA	ng/l	NC	NC	---	< 2.01	< 2.02	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02
HFPO-DA	ng/l	NC	NC	---	< 3.01	< 3.02	< 3.02	< 3.10	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02
PFDS	ng/l	NC	NC	< 2.17	< 2.01	< 2.02	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02
PFBS	ng/l	NC	420	1.66 J	2.73 J	2.30 J	2.64 J, Q	3.29 J	4.45	5.10	4.36	2.81 J	1.96 J	6.74
PFPeS	ng/l	NC	NC	< 2.17	< 2.01	< 2.02	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02
PFHxS	ng/l	NC	51	< 2.17	2.36 J	1.40 J	1.57 J	2.23 J	3.91 J	3.83 J	3.96 J	2.72 J	2.66 J	5.72
PFHpS	ng/l	NC	NC	< 2.17	< 2.01	< 2.02	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02
PFOS	ng/l	12	16	< 2.17	2.60 J	< 2.02	< 2.02	< 2.07	2.34 J	2.38 J	2.74 J	1.68 J	< 2.08	< 2.02
PFNS	ng/l	NC	NC	< 2.17	< 2.01	< 2.02	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02
FOSA	ng/l	NC	NC	< 2.17	< 2.01	< 2.02	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02
4:2 FTS	ng/l	NC	NC	< 2.17	< 2.01	< 2.02	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02
6:2 FTS	ng/l	NC	NC	< 2.17	< 2.01	< 2.02	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02
8:2 FTS	ng/l	NC	NC	< 2.17	< 2.01	< 2.02	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02
NEtFOSAA	ng/l	NC	NC	< 2.17	< 2.01	< 2.02	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02
NMeFOSAA	ng/l	NC	NC	< 2.17	< 2.01	< 2.02	< 2.02	< 2.07	< 2.04	< 1.99	< 2.07	< 2.01	< 2.08	< 2.02
Total PFAS	ng/l	NC	NC	8.49	34.51	21.80	23.33	27.06	62.08	63.37	44.54	20.22	18.04	65.52

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. **GRAY** = Not Sampled

GSU Quarterly Groudwater Sampling Analytical Results
October 2021
Iosco County, Michigan

		DEQ-LD-MW005 5 - 10 ft						DEQ-RR-MW003 12 - 17 ft									
		Location		Sample		Sample Date		Lab Report		Sample		Sample Date		Lab Report			
		Well Screen Interval (bgs)		GW1910081710RAP	GW2001221650RAP	GW2004151605RL	GW2101281055SK	GW2104061440RLF	GW1910081440GSC	GW2001231315MK	GW2004141105GSC	GW2010291015RL					
		Michigan Part 201 Generic Cleanup Criteria		10/8/2019	1/22/2020	4/15/2020	1/28/2021	4/6/2021	10/8/2019	1/23/2020	4/14/2020	10/29/2020					
		Groundwater Surface Water Interface		1903623	2000166	2000906	2102039	2104109	1903623	2000166	2000899	2002372					
Compound	Unit	Groundwater Surface Water Interface	Residential/Nonresidential Drinking Water	Result	Result	Result	Result	Result	Result	Result	Result	Result					
PFBA	ng/l	NC	NC	14.50	13.10	11.90	9.62	9.65	2.09 J	2.38 J	< 1.99	< 2.03					
PFPeA	ng/l	NC	NC	< 2.16	< 2.01	< 2.02	2.40 J	1.69 J	< 2.02	< 2.02	< 1.99	< 2.03					
PFHxA	ng/l	NC	400,000	< 2.16	< 2.01	< 2.02	1.53 J	1.24 J, Q	< 2.02	< 2.02	< 1.99	< 2.03					
PFHpA	ng/l	NC	NC	< 2.16	< 2.01	< 2.02	< 2.01	< 1.99	< 2.02	< 2.02	< 1.99	< 2.03					
PFOA	ng/l	12,000	8	2.77 J	2.60 J	2.78 J	3.03 J	2.01 J	< 2.02	< 2.02	< 1.99	< 2.03					
PFNA	ng/l	NC	6	< 2.16	< 2.01	< 2.02	< 2.01	< 1.99	< 2.02	< 2.02	< 1.99	< 2.03					
PFDA	ng/l	NC	NC	< 2.16	< 2.01	< 2.02	< 2.01	< 1.99	< 2.02	< 2.02	< 1.99	< 2.03					
PFUnDA	ng/l	NC	NC	< 2.16	< 2.01	< 2.02	< 2.01	< 1.99	< 2.02	< 2.02	< 1.99	< 2.03					
PFDoDA	ng/l	NC	NC	< 2.16	< 2.01	< 2.02	< 2.01	< 1.99	< 2.02	< 2.02	< 1.99	< 2.03					
PFTrDA	ng/l	NC	NC	< 2.16	< 2.01	< 2.02	< 2.01	< 1.99	< 2.02	< 2.02	< 1.99	< 2.03					
PFTeDA	ng/l	NC	NC	< 2.16	< 2.01	< 2.02	< 2.01	< 1.99	< 2.02	< 2.02	< 1.99	< 2.03	Jul 2020	Jan 2021	Apr 2021	Jul 2021	Oct 2021
11Cl-PF3OUdS	ng/l	NC	NC	---	< 2.01	< 2.02	< 2.01	< 1.99	---	< 2.02	< 1.99	< 2.03					
9Cl-PF3ONS	ng/l	NC	NC	---	< 2.01	< 2.02	< 2.01	< 1.99	---	< 2.02	< 1.99	< 2.03					
ADONA	ng/l	NC	NC	---	< 2.01	< 2.02	< 2.01	< 1.99	---	< 2.02	< 1.99	< 2.03					
HFPO-DA	ng/l	NC	NC	---	< 3.01	< 3.04	< 2.01	< 1.99	---	< 3.02	< 2.99	< 2.03					
PFDS	ng/l	NC	NC	< 2.16	< 2.01	< 2.02	< 2.01	< 1.99	< 2.02	< 2.02	< 1.99	< 2.03					
PFBS	ng/l	NC	420	9.29	7.79	10.30	7.65	7.52	47.60	8.68	< 1.99	2.33 J					
PFPeS	ng/l	NC	NC	< 2.16	< 2.01	< 2.02	< 2.01	< 1.99	< 2.02	< 2.02	< 1.99	< 2.03					
PFHxS	ng/l	NC	51	4.96	9.49	6.28	8.97	8.71	< 2.02	< 2.02	< 1.99	< 2.03					
PFHpS	ng/l	NC	NC	< 2.16	< 2.01	< 2.02	< 2.01	< 1.99	< 2.02	< 2.02	< 1.99	< 2.03					
PFOS	ng/l	12	16	3.10 J, Q	3.08 J	2.51 J	6.03	4.50	< 2.02	1.87 J	< 1.99	< 2.03					
PFNS	ng/l	NC	NC	< 2.16	< 2.01	< 2.02	< 2.01	< 1.99	< 2.02	< 2.02	< 1.99	< 2.03					
FOSA	ng/l	NC	NC	< 2.16	< 2.01	< 2.02	< 2.01	< 1.99	< 2.02	< 2.02	< 1.99	< 2.03					
4:2 FTS	ng/l	NC	NC	< 2.16	< 2.01	< 2.02	< 2.01	< 1.99	< 2.02	< 2.02	< 1.99	< 2.03					
6:2 FTS	ng/l	NC	NC	< 2.16	< 2.01	< 2.02	< 2.01	< 1.99	< 2.02	< 2.02	< 1.99	< 2.03					
8:2 FTS	ng/l	NC	NC	< 2.16	< 2.01	< 2.02	< 2.01	< 1.99	< 2.02	< 2.02	< 1.99	< 2.03					
NETFOSAA	ng/l	NC	NC	< 2.16	< 2.01	< 2.02	< 2.01	< 1.99	< 2.02	< 2.02	< 1.99	< 2.03					
NMeFOSAA	ng/l	NC	NC	< 2.16	< 2.01	< 2.02	< 2.01	< 1.99	< 2.02	< 2.02	< 1.99	< 2.03					
Total PFAS	ng/l	NC	NC	34.62	36.06	33.77	39.23	35.32	49.69	12.93	ND	2.33					

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
7. **BOLD** - Analyte above detection
8. **Highlight** - Above one or more criteria.
9. **GRAY** = Not Sampled

GSU Quarterly Groudwater Sampling Analytical Results
October 2021
Iosco County, Michigan

		Location		DEQ-RR-MW004								
		Well Screen Interval (bgs)		17 - 22 ft								
		Sample		GW1910090950GSC	GW2001231225MK	GW2004141140GSC	GW2007151245GSC	GW2010290855RL	GW2101261445GSC	GW2104070950KEM	GW2107210750MLH	GW2110131230RF
		Sample Date		10/9/2019	1/23/2020	4/14/2020	7/15/2020	10/29/2020	1/26/2021	4/7/2021	7/21/2021	10/13/2021
		Lab Report		1903623	2000166	2000899	2001522	2002372	2102039	2104108	2107214	2110157
Compound	Unit	Michigan Part 201 Generic Cleanup Criteria		Result	Result	Result	Result	Result	Result	Result	Result	Result
		Groundwater Surface Interface	Residential/Nonresidential Drinking Water									
PFBA	ng/l	NC	NC	1.49 J	9.59	6.10	4.05	19.40	11.20	8.65	11.10	18.6
PFPeA	ng/l	NC	NC	< 2.09	2.66 J	3.07 J	1.82 J	8.33	1.32 J	11.00	2.79 J	1.74 J
PFHxA	ng/l	NC	400,000	< 2.09	1.91 J	1.67 J, Q	< 2.01	8.03	< 1.94	11.10	< 1.98	< 1.99
PFHpA	ng/l	NC	NC	< 2.09	1.41 J	< 2.03	< 2.01	2.26 J	< 1.94	8.26	1.22 J	< 1.99
PFOA	ng/l	12,000	8	< 2.09	3.96 J	2.88 J	2.00 J	2.84 J	1.28 J	8.49	3.07 J	2.83 J
PFNA	ng/l	NC	6	< 2.09	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99
PFDA	ng/l	NC	NC	< 2.09	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99
PFUnDA	ng/l	NC	NC	< 2.09	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99
PFDoDA	ng/l	NC	NC	< 2.09	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99
PFTTrDA	ng/l	NC	NC	< 2.09	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99
PFTeDA	ng/l	NC	NC	< 2.09	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99
11CI-PF3OUdS	ng/l	NC	NC	---	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99
9CI-PF3ONS	ng/l	NC	NC	---	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99
ADONA	ng/l	NC	NC	---	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99
HFPO-DA	ng/l	NC	NC	---	< 3.02	< 3.05	< 3.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99
PFDS	ng/l	NC	NC	< 2.09	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99
PFBS	ng/l	NC	420	99.10	103.00	399.00	611.00	194.00	85.70	121.00	938.00	526
PFPeS	ng/l	NC	NC	< 2.09	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99
PFHxS	ng/l	NC	51	< 2.09	2.87 J	1.69 J	< 2.01	4.07 J	2.93 J	2.38 J	1.78 J	3.98
PFHpS	ng/l	NC	NC	< 2.09	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99
PFOS	ng/l	12	16	11.00	18.90	27.50	9.86	15.40	15.90	30.00	13.70	13.3
PFNS	ng/l	NC	NC	< 2.09	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99
FOSA	ng/l	NC	NC	< 2.09	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99
4:2 FTS	ng/l	NC	NC	< 2.09	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99
6:2 FTS	ng/l	NC	NC	< 2.09	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99
8:2 FTS	ng/l	NC	NC	< 2.09	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99
NEtFOSAA	ng/l	NC	NC	< 2.09	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99
NMeFOSAA	ng/l	NC	NC	< 2.09	< 2.02	< 2.03	< 2.01	< 2.17	< 1.94	< 2.02	< 1.98	< 1.99
Total PFAS	ng/l	NC	NC	111.59	144.30	441.91	628.73	254.33	118.33	200.88	971.66	566.45

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
7. **BOLD** - Analyte above detection
8. **Highlight** - Above one or more criteria.
9. **GRAY** = Not Sampled

GSU Quarterly Groudwater Sampling Analytical Results
October 2021
Iosco County, Michigan

		DEQ-RR-MW005										
		13 - 18 ft										
		GW1910081530GSC	GW2001231425MK	GW2004141340GSC	GW2007151140GSC	GW2010291120RL	GW2101261545GSC	GW2104071040KEM	GW2107210940MLH	GW2110131405RF		
		10/8/2019	1/23/2020	4/14/2020	7/15/2020	10/29/2020	1/26/2021	4/7/2021	7/21/2021	10/13/2021		
		1903623	2000166	2000899	2001522	2002372	2102039	2104108	2107214	2110157		
Compound	Unit	Michigan Part 201 Generic Cleanup Criteria		Result	Result	Result	Result	Result	Result	Result	Result	Result
		Groundwater Surface Interface	Residential/Nonresidential Drinking Water									
PFBA	ng/l	NC	NC	23.50	7.92	24.10	174.00	39.80	8.78	30.00	129.00	81.7
PFPeA	ng/l	NC	NC	22.60	13.10	14.70	502.00	110.00	23.60	39.00	372.00	143
PFHxA	ng/l	NC	400,000	13.70	9.27	10.60	215.00	64.00	14.10	25.50	174.00	84.6
PFHpA	ng/l	NC	NC	1.62 J	1.99 J, Q	1.93 J, Q	18.70	2.74 J	< 2.02	2.48 J, Q	7.69	4.11 J
PFOA	ng/l	12,000	8	4.36	8.96	5.17	33.70	6.95	3.49 J	4.53	8.62	9.51
PFNA	ng/l	NC	6	< 2.03	< 2.12	< 1.97	6.13	< 2.02	< 2.02	< 2.05	< 2.07	< 2.11
PFDA	ng/l	NC	NC	< 2.03	< 2.12	< 1.97	6.86	1.76 J	2.40 J	< 2.05	< 2.07	< 2.11
PFUnDA	ng/l	NC	NC	< 2.03	< 2.12	< 1.97	< 2.10	< 2.02	< 2.02	< 2.05	< 2.07	< 2.11
PFDoDA	ng/l	NC	NC	< 2.03	< 2.12	< 1.97	< 2.10	< 2.02	< 2.02	< 2.05	< 2.07	< 2.11
PFTTrDA	ng/l	NC	NC	< 2.03	< 2.12	< 1.97	< 2.10	< 2.02	< 2.02	< 2.05	< 2.07	< 2.11
PFTeDA	ng/l	NC	NC	< 2.03	< 2.12	< 1.97	< 2.10	< 2.02	< 2.02	< 2.05	< 2.07	< 2.11
11CI-PF3OUdS	ng/l	NC	NC	---	< 2.12	< 1.97	< 2.10	< 2.02	< 2.02	< 2.05	< 2.07	< 2.11
9CI-PF3ONS	ng/l	NC	NC	---	< 2.12	< 1.97	< 2.10	< 2.02	< 2.02	< 2.05	< 2.07	< 2.11
ADONA	ng/l	NC	NC	---	< 2.12	< 1.97	< 2.10	< 2.02	< 2.02	< 2.05	< 2.07	< 2.11
HFPO-DA	ng/l	NC	NC	---	< 3.18	< 2.95	< 3.15	< 2.02	< 2.02	< 2.05	< 2.07	< 2.11
PFDS	ng/l	NC	NC	3.16 J	4.32	4.87	11.20 Q	6.18	15.40	10.10	2.21 J	3.25 J
PFBS	ng/l	NC	420	328.00	93.70	357.00	819.00	219.00	103.00	101.00	1,870.00	1090
PFPeS	ng/l	NC	NC	< 2.03	< 2.12	< 1.97	< 2.10	< 2.02	< 2.02	< 2.05	< 2.07	< 2.11
PFHxS	ng/l	NC	51	1.98 J	< 2.12	< 1.97	2.14 J	< 2.02	< 2.02	< 2.05	4.35	1.94 J
PFHpS	ng/l	NC	NC	< 2.03	< 2.12	< 1.97	< 2.10	< 2.02	< 2.02	< 2.05	< 2.07	< 2.11
PFOS	ng/l	12	16	39.70	46.50	21.30	150.00	46.20	23.40	12.50	8.37	19.7
PFNS	ng/l	NC	NC	< 2.03	< 2.12	< 1.97	< 2.10	< 2.02	< 2.02	< 2.05	< 2.07	< 2.11
FOSA	ng/l	NC	NC	24.00	12.60	17.10	30.10	38.00	77.20	25.70	9.58	18.5
4:2 FTS	ng/l	NC	NC	< 2.03	< 2.12	< 1.97	< 2.10	< 2.02	< 2.02	< 2.05	< 2.07	< 2.11
6:2 FTS	ng/l	NC	NC	< 2.03	< 2.12	< 1.97	4.93	< 2.02	< 2.02	< 2.05	< 2.07	< 2.11
8:2 FTS	ng/l	NC	NC	< 2.03	< 2.12	< 1.97	< 2.10	< 2.02	< 2.02	< 2.05	< 2.07	< 2.11
NEtFOSAA	ng/l	NC	NC	< 2.03	3.48 J	5.94	7.63	1.49 J	8.23	3.81 J	< 2.07	< 2.11
NMeFOSAA	ng/l	NC	NC	< 2.03	< 2.12	< 1.97	< 2.10	< 2.02	< 2.02	< 2.05	< 2.07	< 2.11
Total PFAS	ng/l	NC	NC	462.62	201.84	462.71	1,981.39	536.12	279.60	254.62	2,585.82	1,456.31

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
7. **BOLD** - Analyte above detection
8. **Highlight** - Above one or more criteria.
9. **GRAY** = Not Sampled

GSU Quarterly Groundwater Sampling Analytical Results
October 2021
Iosco County, Michigan

		Location		DEQ-RR-MW006			
		Well Screen Interval (bgs)		11 - 16 ft			
		Sample		GW1910091040GSC	GW2001231110MK	GW2004141240GSC	GW2007151210GSC
		Sample Date		10/9/2019	1/23/2020	4/14/2020	7/15/2020
		Lab Report		1903623	2000166	2000899	2001522
Compound	Unit	Michigan Part 201 Generic Cleanup Criteria		Result	Result	Result	Result
		Groundwater Surface Water Interface	Residential/Nonresidential Drinking Water				
PFBA	ng/l	NC	NC	3.43 J	2.20 J	< 2.06	< 2.07
PFPeA	ng/l	NC	NC	3.36 J	2.73 J	< 2.06	< 2.07
PFHxA	ng/l	NC	400,000	3.10 J	2.52 J	< 2.06	< 2.07
PFHpA	ng/l	NC	NC	< 2.05	< 2.00	< 2.06	< 2.07
PFOA	ng/l	12,000	8	1.57 J	1.40 J	< 2.06	< 2.07
PFNA	ng/l	NC	6	< 2.05	< 2.00	< 2.06	< 2.07
PFDA	ng/l	NC	NC	< 2.05	< 2.00	< 2.06	< 2.07
PFUnDA	ng/l	NC	NC	< 2.05	< 2.00	< 2.06	< 2.07
PFDoDA	ng/l	NC	NC	< 2.05	< 2.00	< 2.06	< 2.07
PFTTrDA	ng/l	NC	NC	< 2.05	< 2.00	< 2.06	< 2.07
PFTeDA	ng/l	NC	NC	< 2.05	< 2.00	< 2.06	< 2.07
11Cl-PF3OUdS	ng/l	NC	NC	---	< 2.00	< 2.06	< 2.07
9Cl-PF3ONS	ng/l	NC	NC	---	< 2.00	< 2.06	< 2.07
ADONA	ng/l	NC	NC	---	< 2.00	< 2.06	< 2.07
HFPO-DA	ng/l	NC	NC	---	< 3.00	< 3.09	< 3.11
PFDS	ng/l	NC	NC	< 2.05	< 2.00	< 2.06	< 2.07
PFBS	ng/l	NC	420	< 2.05	< 2.00	< 2.06	< 2.07
PFPeS	ng/l	NC	NC	< 2.05	< 2.00	< 2.06	< 2.07
PFHxS	ng/l	NC	51	1.79 J	2.03 J	< 2.06	1.75 J
PFHpS	ng/l	NC	NC	< 2.05	< 2.00	< 2.06	< 2.07
PFOS	ng/l	12	16	6.00	8.72	3.36 J	< 2.07
PFNS	ng/l	NC	NC	< 2.05	< 2.00	< 2.06	< 2.07
FOSA	ng/l	NC	NC	< 2.05	< 2.00	< 2.06	< 2.07
4:2 FTS	ng/l	NC	NC	< 2.05	< 2.00	< 2.06	< 2.07
6:2 FTS	ng/l	NC	NC	< 2.05	< 2.00	< 2.06	< 2.07
8:2 FTS	ng/l	NC	NC	< 2.05	< 2.00	< 2.06	< 2.07
NEtFOSAA	ng/l	NC	NC	< 2.05	< 2.00	< 2.06	< 2.07
NMeFOSAA	ng/l	NC	NC	< 2.05	< 2.00	< 2.06	< 2.07
Total PFAS	ng/l	NC	NC	19.25	19.60	3.36	1.75

Oct 2020	Jan 2021	Apr 2021	Jul 2021	Oct 2021

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
7. **BOLD** - Analyte above detection
8. **Highlight** - Above one or more criteria.
9. **GRAY** = Not Sampled

GSU Quarterly Groudwater Sampling Analytical Results
October 2021
Iosco County, Michigan

		Location		DEQ-RR-MW007										
		Well Screen Interval (bgs)		10 - 15 ft										
		Sample		GW1910081655GSC	GW2001231000MK	GW2004141420GSC	GW2007151005GSC							
		Sample Date		10/8/2019	1/23/2020	4/14/2020	7/15/2020	GW2101261635GSC	GW2104071140KEM	GW2107210850MLH	GW2110131135RF	FD2110131140RF		
		Lab Report		1903623	2000166	2000899	2001522	2102039	2104108	2107214	2110157	2110157		
Compound	Unit	Michigan Part 201 Generic Cleanup Criteria		Result	Result	Result	Result	Result	Result	Result	Result	Result		
		Groundwater Surface Water Interface	Residential/Nonresidential Drinking Water											
PFBA	ng/l	NC	NC	1.66 J	2.48 J	< 1.95	< 2.01	1.07 J	< 1.96	< 1.98	< 1.95	< 1.95		
PFPeA	ng/l	NC	NC	< 2.12	< 2.11	< 1.95	< 2.01	< 2.03	1.23 J	< 1.98	< 1.95	< 1.95		
PFHxA	ng/l	NC	400,000	< 2.12	< 2.11	< 1.95	< 2.01	< 2.03	< 1.96	< 1.98	< 1.95	< 1.95		
PFHpA	ng/l	NC	NC	< 2.12	< 2.11	1.77 J	< 2.01	< 2.03	1.67 J, Q	< 1.98	< 1.95	< 1.95		
PFOA	ng/l	12,000	8	5.65	6.70	6.73	4.18	8.15	13.00	4.64	3.3 J	3.22 J		
PFNA	ng/l	NC	6	< 2.12	< 2.11	< 1.95	< 2.01	< 2.03	< 1.96	< 1.98	< 1.95	< 1.95		
PFDA	ng/l	NC	NC	< 2.12	< 2.11	< 1.95	< 2.01	< 2.03	< 1.96	< 1.98	< 1.95	< 1.95		
PFUnDA	ng/l	NC	NC	< 2.12	< 2.11	< 1.95	< 2.01	< 2.03	< 1.96	< 1.98	< 1.95	< 1.95		
PFDoDA	ng/l	NC	NC	< 2.12	< 2.11	< 1.95	< 2.01	< 2.03	< 1.96	< 1.98	< 1.95	< 1.95		
PFTTrDA	ng/l	NC	NC	< 2.12	< 2.11	< 1.95	< 2.01	< 2.03	< 1.96	< 1.98	< 1.95	< 1.95		
PFTeDA	ng/l	NC	NC	< 2.12	< 2.11	< 1.95	< 2.01	< 2.03	< 1.96	< 1.98	< 1.95	< 1.95		
11CI-PF3OUds	ng/l	NC	NC	---	< 2.11	< 1.95	< 2.01	< 2.03	< 1.96	< 1.98	< 1.95	< 1.95		
9CI-PF3ONS	ng/l	NC	NC	---	< 2.11	< 1.95	< 2.01	< 2.03	< 1.96	< 1.98	< 1.95	< 1.95		
ADONA	ng/l	NC	NC	---	< 2.11	< 1.95	< 2.01	< 2.03	< 1.96	< 1.98	< 1.95	< 1.95		
HFPO-DA	ng/l	NC	NC	---	< 3.16	< 2.93	< 3.01	< 2.03	< 1.96	< 1.98	< 1.95	< 1.95		
PFDS	ng/l	NC	NC	< 2.12	< 2.11	< 1.95	< 2.01	< 2.03	< 1.96	< 1.98	< 1.95	< 1.95		
PFBS	ng/l	NC	420	< 2.12	< 2.11	< 1.95	< 2.01	< 2.03	< 1.96	< 1.98	< 1.95	< 1.95		
PFPeS	ng/l	NC	NC	< 2.12	< 2.11	< 1.95	< 2.01	< 2.03	< 1.96	< 1.98	< 1.95	< 1.95		
PFHxS	ng/l	NC	51	1.64 J	3.36 J	3.42 J	1.87 J	3.59 J	5.36	2.18 J	1.35 J	1.01 J		
PFHpS	ng/l	NC	NC	< 2.12	< 2.11	< 1.95	< 2.01	< 2.03	< 1.96	< 1.98	< 1.95	< 1.95		
PFOS	ng/l	12	16	41.40	35.90	57.90	39.70	31.70	42.10	30.60	36.2	34.8		
PFNS	ng/l	NC	NC	< 2.12	< 2.11	< 1.95	< 2.01	< 2.03	< 1.96	< 1.98	< 1.95	< 1.95		
FOSA	ng/l	NC	NC	< 2.12	< 2.11	< 1.95	< 2.01	< 2.03	< 1.96	1.79 J, Q	1.31 J	1.36 J, Q		
4:2 FTS	ng/l	NC	NC	< 2.12	< 2.11	< 1.95	< 2.01	< 2.03	< 1.96	< 1.98	< 1.95	< 1.95		
6:2 FTS	ng/l	NC	NC	< 2.12	< 2.11	< 1.95	< 2.01	< 2.03	< 1.96	< 1.98	< 1.95	< 1.95		
8:2 FTS	ng/l	NC	NC	< 2.12	< 2.11	< 1.95	< 2.01	< 2.03	< 1.96	< 1.98	< 1.95	< 1.95		
NETFOSAA	ng/l	NC	NC	< 2.12	< 2.11	< 1.95	< 2.01	< 2.03	< 1.96	< 1.98	< 1.95	< 1.95		
NMeFOSAA	ng/l	NC	NC	< 2.12	< 2.11	< 1.95	< 2.01	< 2.03	< 1.96	< 1.98	< 1.95	< 1.95		
Total PFAS	ng/l	NC	NC	50.35	48.44	69.82	45.75	44.51	63.36	39.21	42.16	40.39		

Footnotes:

1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. **GRAY** = Not Sampled

GSU Quarterly Groudwater Sampling Analytical Results
October 2021
Iosco County, Michigan

Location		DEQ-RR-MW008				RI-MW001						
Well Screen Interval (bgs)		8 - 13 ft				3 - 8 ft						
Sample		GW1910081610GSC	GW2001231455RAP	GW2004141505GSC	GW2007151055GSC	GW2110131315RF	GW2010281655RL	GW2101261525SK	GW2104061535RLF	GW2107210810RLF		
Sample Date		10/8/2019	1/23/2020	4/14/2020	7/15/2020	10/13/2021	10/28/2020	1/26/2021	4/6/2021	7/21/2021		
Lab Report		1903623	2000166	2000899	2001522	2110157	2002372	2102039	2104109	2107214		
Compound	Unit	Michigan Part 201 Generic Cleanup Criteria		Result	Result	Result	Result	Result	Result	Result	Result	Result
		Groundwater Surface Water Interface	Residential/Nonresidential Drinking Water									
PFBA	ng/l	NC	NC	9.53	3.30 J	4.20	3.40 J	1.7 J	7.50	3.95 J	2.97 J	2.89 J
PFPeA	ng/l	NC	NC	41.10	16.10	12.10	10.10	2.58 J	6.43	< 2.03	< 1.97	< 2.07
PFHxA	ng/l	NC	400,000	23.30	10.60	12.50	11.10	2.92 J, Q	6.42	1.73 J	< 1.97	< 2.07
PFHpA	ng/l	NC	NC	4.93	2.02 J, Q	3.59 J	< 2.04	1.34 J	7.14	1.68 J	< 1.97	1.10 J
PFOA	ng/l	12,000	8	16.80	16.00	13.90	10.10	5.93	8.43	4.33	1.61 J	2.81 J
PFNA	ng/l	NC	6	< 2.16	< 2.05	< 1.98	< 2.04	< 2.02	< 2.02	< 2.03	< 1.97	< 2.07
PFDA	ng/l	NC	NC	< 2.16	< 2.05	< 1.98	< 2.04	< 2.02	< 2.02	< 2.03	< 1.97	< 2.07
PFUnDA	ng/l	NC	NC	< 2.16	< 2.05	< 1.98	< 2.04	< 2.02	< 2.02	< 2.03	< 1.97	< 2.07
PFDoDA	ng/l	NC	NC	< 2.16	< 2.05	< 1.98	< 2.04	< 2.02	< 2.02	< 2.03	< 1.97	< 2.07
PFTrDA	ng/l	NC	NC	< 2.16	< 2.05	< 1.98	< 2.04	< 2.02	< 2.02	< 2.03	< 1.97	< 2.07
PFTeDA	ng/l	NC	NC	< 2.16	< 2.05	< 1.98	< 2.04	< 2.02	< 2.02	< 2.03	< 1.97	< 2.07
11Cl-PF3OUdS	ng/l	NC	NC	---	< 2.05	< 1.98	< 2.04	< 2.02	< 2.02	< 2.03	< 1.97	< 2.07
9Cl-PF3ONS	ng/l	NC	NC	---	< 2.05	< 1.98	< 2.04	< 2.02	< 2.02	< 2.03	< 1.97	< 2.07
ADONA	ng/l	NC	NC	---	< 2.05	< 1.98	< 2.04	< 2.02	< 2.02	< 2.03	< 1.97	< 2.07
HFPO-DA	ng/l	NC	NC	---	< 3.07	< 2.96	< 3.06	< 2.02	< 2.02	< 2.03	< 1.97	< 2.07
PFDS	ng/l	NC	NC	< 2.16	< 2.05	< 1.98	< 2.04	< 2.02	< 2.02	< 2.03	< 1.97	< 2.07
PFBS	ng/l	NC	420	14.00	22.90	51.60	10.50	17.4	3.99 J	3.04 J	4.58	4.40
PFPeS	ng/l	NC	NC	< 2.16	< 2.05	< 1.98	< 2.04	< 2.02	< 2.02	< 2.03	< 1.97	< 2.07
PFHxS	ng/l	NC	51	5.98	4.94	5.34	3.28 J	2.53 J	2.87 J	< 2.03	< 1.97	< 2.07
PFHpS	ng/l	NC	NC	< 2.16	< 2.05	< 1.98	< 2.04	< 2.02	< 2.02	< 2.03	< 1.97	< 2.07
PFOS	ng/l	12	16	11.60	16.00	8.56	11.70	9.43	5.20	2.31 J	< 1.97	1.36 J
PFNS	ng/l	NC	NC	< 2.16	< 2.05	< 1.98	< 2.04	< 2.02	< 2.02	< 2.03	< 1.97	< 2.07
FOSA	ng/l	NC	NC	< 2.16	< 2.05	< 1.98	< 2.04	< 2.02	< 2.02	< 2.03	< 1.97	< 2.07
4:2 FTS	ng/l	NC	NC	< 2.16	< 2.05	< 1.98	< 2.04	< 2.02	< 2.02	< 2.03	< 1.97	< 2.07
6:2 FTS	ng/l	NC	NC	< 2.16	< 2.05	< 1.98	< 2.04	< 2.02	< 2.02	< 2.03	< 1.97	< 2.07
8:2 FTS	ng/l	NC	NC	< 2.16	< 2.05	< 1.98	< 2.04	< 2.02	< 2.02	< 2.03	< 1.97	< 2.07
NETFOSAA	ng/l	NC	NC	< 2.16	< 2.05	< 1.98	< 2.04	< 2.02	< 2.02	< 2.03	< 1.97	< 2.07
NMeFOSAA	ng/l	NC	NC	< 2.16	< 2.05	< 1.98	< 2.04	< 2.02	< 2.02	< 2.03	< 1.97	< 2.07
Total PFAS	ng/l	NC	NC	127.24	91.86	111.79	60.18	43.83	47.98	17.04	9.16	12.56

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
7. **BOLD** - Analyte above detection
8. **Highlight** - Above one or more criteria.
9. **GRAY** = Not Sampled

**GSU Quarterly Groudwater Sampling Analytical Results
October 2021
Iosco County, Michigan**

		Location RI-MW002 2 - 7 ft				Location RI-MW003 2 - 7 ft						
		Well Screen Interval (bgs)				Well Screen Interval (bgs)						
		Sample Date				Sample Date						
		Lab Report				Lab Report						
Compound	Unit	Michigan Part 201 Generic Cleanup Criteria		GW2010281745RL	GW1910091430RAP	GW2001221710MK	GW2004151325GSC	GW2007151830RL	GW2101261615SK	GW2104061650RLF	GW2107210710RLF	GW2110121240RF
		Groundwater Surface Water Interface	Residential/Nonresidential Drinking Water	Result	10/28/2020	10/9/2019	1/22/2020	4/15/2020	7/15/2020	1/26/2021	4/6/2021	7/21/2021
				2002372	1903624	2000166	2000899	2001522	2102039	2104109	2107214	2110157
				Result	Result	Result	Result	Result	Result	Result	Result	Result
PFBA	ng/l	NC	NC	9.07	8.98	3.04 J	6.27	9.96	2.31 J	2.76 J	2.92 J	4 J
PFPeA	ng/l	NC	NC	4.27	7.18	2.02 J	5.77	13.50	1.16 J	2.32 J	2.40 J	3.86 J
PFHxA	ng/l	NC	400,000	3.00 J	8.70	2.87 J	5.73 Q	15.50	1.40 J	1.69 J	3.27 J, Q	3.63 J
PFHpA	ng/l	NC	NC	1.85 J	2.87 J, Q	< 2.02	1.37 J, Q	3.61 J	< 2.05	< 1.99	< 2.02	< 2.01
PFOA	ng/l	12,000	8	2.67 J	8.70	3.54 J	3.45 J	7.42	2.18 J	1.22 J	1.67 J	1.81 J
PFNA	ng/l	NC	6	< 2.07	1.59 J	< 2.02	< 2.00	1.87 J	< 2.05	< 1.99	< 2.02	< 2.01
PFDA	ng/l	NC	NC	< 2.07	< 2.07	< 2.02	< 2.00	< 1.99	< 2.05	< 1.99	< 2.02	< 2.01
PFUnDA	ng/l	NC	NC	< 2.07	< 2.07	< 2.02	< 2.00	< 1.99	< 2.05	< 1.99	< 2.02	< 2.01
PFDoDA	ng/l	NC	NC	< 2.07	< 2.07	< 2.02	< 2.00	< 1.99	< 2.05	< 1.99	< 2.02	< 2.01
PFTTrDA	ng/l	NC	NC	< 2.07	< 2.07	< 2.02	< 2.00	< 1.99	< 2.05	< 1.99	< 2.02	< 2.01
PFTeDA	ng/l	NC	NC	< 2.07	< 2.07	< 2.02	< 2.00	< 1.99	< 2.05	< 1.99	< 2.02	< 2.01
11Cl-PF3OUdS	ng/l	NC	NC	< 2.07	---	< 2.02	< 2.00	< 1.99	< 2.05	< 1.99	< 2.02	< 2.01
9Cl-PF3ONS	ng/l	NC	NC	< 2.07	---	< 2.02	< 2.00	< 1.99	< 2.05	< 1.99	< 2.02	< 2.01
ADONA	ng/l	NC	NC	< 2.07	---	< 2.02	< 2.00	< 1.99	< 2.05	< 1.99	< 2.02	< 2.01
HFPO-DA	ng/l	NC	NC	< 2.07	---	< 3.02	< 3.00	< 2.99	< 2.05	< 1.99	< 2.02	< 2.01
PFDS	ng/l	NC	NC	< 2.07	< 2.07	< 2.02	< 2.00	< 1.99	< 2.05	< 1.99	< 2.02	< 2.01
PFBS	ng/l	NC	420	1.98 J	3.05 J	< 2.02	2.52 J	3.80 J	< 2.05	< 1.99	< 2.02	1.42 J
PFPeS	ng/l	NC	NC	< 2.07	< 2.07	< 2.02	< 2.00	< 1.99	< 2.05	< 1.99	< 2.02	< 2.01
PFHxS	ng/l	NC	51	1.91 J	4.55	1.45 J	1.66 J	5.17	1.60 J	< 1.99	< 2.02	1.61 J
PFHpS	ng/l	NC	NC	< 2.07	< 2.07	< 2.02	< 2.00	< 1.99	< 2.05	< 1.99	< 2.02	< 2.01
PFOS	ng/l	12	16	1.43 J	3.75 J	3.76 J	2.26 J	7.60	2.38 J	< 1.99	1.81 J	1.71 J
PFNS	ng/l	NC	NC	< 2.07	< 2.07	< 2.02	< 2.00	< 1.99	< 2.05	< 1.99	< 2.02	< 2.01
FOSA	ng/l	NC	NC	< 2.07	< 2.07	< 2.02	< 2.00	< 1.99	< 2.05	< 1.99	< 2.02	< 2.01
4:2 FTS	ng/l	NC	NC	< 2.07	< 2.07	< 2.02	< 2.00	< 1.99	< 2.05	< 1.99	< 2.02	< 2.01
6:2 FTS	ng/l	NC	NC	< 2.07	< 2.07	< 2.02	< 2.00	< 1.99	< 2.05	< 1.99	< 2.02	< 2.01
8:2 FTS	ng/l	NC	NC	< 2.07	< 2.07	< 2.02	< 2.00	< 1.99	< 2.05	< 1.99	< 2.02	< 2.01
NETFOSAA	ng/l	NC	NC	< 2.07	< 2.07	< 2.02	< 2.00	< 1.99	< 2.05	< 1.99	< 2.02	< 2.01
NMeFOSAA	ng/l	NC	NC	< 2.07	< 2.07	< 2.02	< 2.00	< 1.99	< 2.05	< 1.99	< 2.02	< 2.01
Total PFAS	ng/l	NC	NC	26.18	49.37	16.68	29.03	68.43	11.03	7.99	12.07	18.04

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
7. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. **GRAY** = Not Sampled

GSU Quarterly Groudwater Sampling Analytical Results
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		Location Well Screen Interval (bgs) Sample Sample Date Lab Report								RI-MW003 16 - 17 ft				RI-MW004 5 - 10 ft				RI-MW005 7 - 12 ft							
										GW2110121240BA 10/12/2021 2110157				GW2007151735RL 7/15/2020 2001522				GW2101290930KEM 1/29/2021 2102040				GW2104071625RLF 4/7/2021 2104109			
Compound	Unit	Michigan Part 201 Generic Cleanup Criteria										Result	Result	Result	Result										
		Groundwater Surface Water Interface	Residential/Nonresidential Drinking Water													Result	Result								
PFBA	ng/l	NC	NC									4.51	2.49 J	< 2.11	47.00										
PFPeA	ng/l	NC	NC									1.2 J	< 2.02	< 2.11	2.67 J										
PFHxA	ng/l	NC	400,000									< 2.03	< 2.02	< 2.11	5.14										
PFHpA	ng/l	NC	NC									< 2.03	< 2.02	< 2.11	1.35 J										
PFOA	ng/l	12,000	8									1.11 J	< 2.02	< 2.11	4.68										
PFNA	ng/l	NC	6									< 2.03	< 2.02	< 2.11	< 2.00										
PFDA	ng/l	NC	NC									< 2.03	< 2.02	< 2.11	< 2.00										
PFUnDA	ng/l	NC	NC									< 2.03	< 2.02	< 2.11	< 2.00										
PFDoDA	ng/l	NC	NC									< 2.03	< 2.02	< 2.11	< 2.00										
PFTrDA	ng/l	NC	NC									< 2.03	< 2.02	< 2.11	< 2.00										
PFTeDA	ng/l	NC	NC									< 2.03	< 2.02	< 2.11	< 2.00										
11Cl-PF3OUdS	ng/l	NC	NC									< 2.03	< 2.02	< 2.11	< 2.00										
9Cl-PF3ONS	ng/l	NC	NC									< 2.03	< 2.02	< 2.11	< 2.00										
ADONA	ng/l	NC	NC									< 2.03	< 2.02	< 2.11	< 2.00										
HFPO-DA	ng/l	NC	NC									< 2.03	< 3.04	< 2.11	< 2.00										
PFDS	ng/l	NC	NC									< 2.03	< 2.02	< 2.11	< 2.00										
PFBS	ng/l	NC	420									< 2.03	< 2.02	< 2.11	1.20 J										
PFPeS	ng/l	NC	NC									< 2.03	< 2.02	< 2.11	< 2.00										
PFHxS	ng/l	NC	51									< 2.03	< 2.02	6.01	16.70										
PFHpS	ng/l	NC	NC									< 2.03	< 2.02	< 2.11	< 2.00										
PFOS	ng/l	12	16									< 2.03	< 2.02	< 2.11	< 2.00										
PFNS	ng/l	NC	NC									< 2.03	< 2.02	< 2.11	< 2.00										
FOSA	ng/l	NC	NC									< 2.03	< 2.02	< 2.11	< 2.00										
4:2 FTS	ng/l	NC	NC									< 2.03	< 2.02	< 2.11	< 2.00										
6:2 FTS	ng/l	NC	NC									< 2.03	< 2.02	< 2.11	< 2.00										
8:2 FTS	ng/l	NC	NC									< 2.03	< 2.02	< 2.11	< 2.00										
NEtFOSAA	ng/l	NC	NC									< 2.03	< 2.02	< 2.11	< 2.00										
NMeFOSAA	ng/l	NC	NC									< 2.03	< 2.02	< 2.11	< 2.00										
Total PFAS	ng/l	NC	NC									6.82	2.49	6.01	78.74										

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
7. **BOLD** - Analyte above detection
8. **Highlight** - Above one or more criteria.
9. **GRAY** = Not Sampled

GSU Quarterly Groudwater Sampling Analytical Results
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		Michigan Part 201 Generic Cleanup Criteria		Location		Sample Date		Lab Report		
		Groundwater	Residential/Nonresidential	RI-MW007		GW2101271635SK		GW2104071725RLF		
		Surface Water	Drinking Water	19 - 20 ft		1/27/2021		4/7/2021		
		Interface		2102039		2104108				
Compound	Unit					Result	Result			
PFBA	ng/l	NC	NC			< 1.98	< 2.03			
PFPeA	ng/l	NC	NC			< 1.98	< 2.03			
PFHxA	ng/l	NC	400,000			< 1.98	< 2.03			
PFHpA	ng/l	NC	NC			< 1.98	< 2.03			
PFOA	ng/l	12,000	8			< 1.98	< 2.03			
PFNA	ng/l	NC	6			< 1.98	< 2.03			
PFDA	ng/l	NC	NC			< 1.98	< 2.03			
PFUnDA	ng/l	NC	NC			< 1.98	< 2.03			
PFDoDA	ng/l	NC	NC			< 1.98	< 2.03			
PFTriDA	ng/l	NC	NC			< 1.98	< 2.03			
PFTeDA	ng/l	NC	NC			< 1.98	< 2.03			
11CI-PF3OUdS	ng/l	NC	NC	Oct 2019	Jan 2020	Apr 2020	Jul 2020	Oct 2020	Jul 2021	Oct 2021
9CI-PF3ONS	ng/l	NC	NC			< 1.98	< 2.03			
ADONA	ng/l	NC	NC			< 1.98	< 2.03			
HFPO-DA	ng/l	NC	NC			< 1.98	< 2.03			
PFDS	ng/l	NC	NC			< 1.98	< 2.03			
PFBS	ng/l	NC	420			< 1.98	< 2.03			
PFPeS	ng/l	NC	NC			< 1.98	< 2.03			
PFHxS	ng/l	NC	51			< 1.98	< 2.03			
PFHpS	ng/l	NC	NC			< 1.98	< 2.03			
PFOS	ng/l	12	16			< 1.98	< 2.03			
PFNS	ng/l	NC	NC			< 1.98	< 2.03			
FOSA	ng/l	NC	NC			< 1.98	< 2.03			
4:2 FTS	ng/l	NC	NC			< 1.98	< 2.03			
6:2 FTS	ng/l	NC	NC			< 1.98	< 2.03			
8:2 FTS	ng/l	NC	NC			< 1.98	< 2.03			
NETFOSAA	ng/l	NC	NC			< 1.98	< 2.03			
NMeFOSAA	ng/l	NC	NC			< 1.98	< 2.03			
Total PFAS	ng/l	NC	NC			ND	ND			

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
7. **BOLD** - Analyte above detection
8. **Highlight** - Above one or more criteria.
9. **GRAY** = Not Sampled

GSU Quarterly Groudwater Sampling Analytical Results
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		Location		RI-MW007								
		Well Screen Interval (bgs)		39 - 40 ft								
		Sample		GW1910090935RAPW	W1910090935RAP-F	GW2001221255MK	GW2001221255MK-FD	GW2004151110GSC	GW2007160910RL	GW2010281335RL	GW2107210940RLF	GW2110131155BA
		Sample Date		10/9/2019	10/9/2019	1/22/2020	1/22/2020	4/15/2020	7/16/2020	10/28/2020	7/21/2021	10/13/2021
		Lab Report		1903624	1903624	2000165	2000165	2000899	2001523	2002372	2107214	2110157
Compound	Unit	Michigan Part 201 Generic Cleanup Criteria		Result	Result	Result	Result	Result	Result	Result	Result	Result
		Groundwater Surface Water Interface	Residential/Nonresidential Drinking Water									
PFBA	ng/l	NC	NC	< 2.13	< 2.02	2.59 J	2.68 J	2.31 J	1.81 J	1.89 J	1.89 J	1.91 J
PFPeA	ng/l	NC	NC	< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00	< 2.06	< 1.98
PFHxA	ng/l	NC	400,000	< 2.13	< 2.02	1.76 J	< 2.07	1.52 J, Q	< 2.00	1.79 J, Q	1.52 J, Q	1.11 J
PFHpA	ng/l	NC	NC	< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00	< 2.06	< 1.98
PFOA	ng/l	12,000	8	< 2.13	< 2.02	1.90 J	1.74 J	1.73 J	< 2.00	1.41 J	1.73 J	1.33 J
PFNA	ng/l	NC	6	< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00	< 2.06	< 1.98
PFDA	ng/l	NC	NC	< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00	< 2.06	< 1.98
PFUnDA	ng/l	NC	NC	< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00	< 2.06	< 1.98
PFDoDA	ng/l	NC	NC	< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00	< 2.06	< 1.98
PFTTrDA	ng/l	NC	NC	< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00	< 2.06	< 1.98
PFTeDA	ng/l	NC	NC	< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00	< 2.06	< 1.98
11Cl-PF3OUdS	ng/l	NC	NC	---	---	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00	< 2.06	< 1.98
9Cl-PF3ONS	ng/l	NC	NC	---	---	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00	< 2.06	< 1.98
ADONA	ng/l	NC	NC	---	---	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00	< 2.06	< 1.98
HFPO-DA	ng/l	NC	NC	---	---	< 3.13	< 3.11	< 2.99	< 3.00	< 2.00	< 2.06	< 1.98
PFDS	ng/l	NC	NC	< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00	< 2.06	< 1.98
PFBS	ng/l	NC	420	< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00	< 2.06	< 1.98
PFPeS	ng/l	NC	NC	< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00	< 2.06	< 1.98
PFHxS	ng/l	NC	51	3.65 J	3.02 J	5.84	5.64	4.47	3.31 J	3.39 J	2.12 J	2.77 J
PFHpS	ng/l	NC	NC	< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00	< 2.06	< 1.98
PFOS	ng/l	12	16	< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00	< 2.06	< 1.98
PFNS	ng/l	NC	NC	< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00	< 2.06	< 1.98
FOSA	ng/l	NC	NC	< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00	< 2.06	< 1.98
4:2 FTS	ng/l	NC	NC	< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00	< 2.06	< 1.98
6:2 FTS	ng/l	NC	NC	< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00	< 2.06	< 1.98
8:2 FTS	ng/l	NC	NC	< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00	< 2.06	< 1.98
NETFOSAA	ng/l	NC	NC	< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00	< 2.06	< 1.98
NMeFOSAA	ng/l	NC	NC	< 2.13	< 2.02	< 2.08	< 2.07	< 1.99	< 2.00	< 2.00	< 2.06	< 1.98
Total PFAS	ng/l	NC	NC	3.65	3.02	12.09	10.06	10.03	5.12	8.48	7.26	7.12

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
7. **BOLD** - Analyte above detection
8. **Highlight** - Above one or more criteria.
9. **GRAY** = Not Sampled

GSU Quarterly Groudwater Sampling Analytical Results
October 2021
Iosco County, Michigan

		Location		RI-MW008				
		Well Screen Interval (bgs)		18 - 19 ft				
		Sample		GW2010281430RL	GW2101261715SK	GW2104061745RLF	GW2107211215RLF	GW2110131435BA
		Sample Date		10/28/2020	1/26/2021	4/6/2021	7/21/2021	10/13/2021
		Lab Report		2002372	2102039	2104109	2107214	2110157
Compound	Unit	Michigan Part 201 Generic Cleanup Criteria		Oct 2019	Jan 2020	Apr 2020	Jul 2020	Result
		Groundwater Surface Water Interface	Residential/Nonresidential Drinking Water					
PFBA	ng/l	NC	NC					1.54 J
PFPeA	ng/l	NC	NC					1.12 J
PFHxA	ng/l	NC	400,000					1.76 J
PFHpA	ng/l	NC	NC					< 2.04
PFOA	ng/l	12,000	8					3.46 J
PFNA	ng/l	NC	6					< 2.04
PFDA	ng/l	NC	NC					< 2.04
PFOA	ng/l	NC	NC					< 2.04
PFDoDA	ng/l	NC	NC					< 2.04
PFTTrDA	ng/l	NC	NC					< 2.04
PFTeDA	ng/l	NC	NC					< 2.04
11CI-PF3OUdS	ng/l	NC	NC					< 2.04
9CI-PF3ONS	ng/l	NC	NC					< 2.04
ADONA	ng/l	NC	NC					< 2.04
HFPO-DA	ng/l	NC	NC					< 2.04
PFDS	ng/l	NC	NC					< 2.04
PFBS	ng/l	NC	420					< 2.04
PFPeS	ng/l	NC	NC					< 2.04
PFHxS	ng/l	NC	51					3.79 J
PFHpS	ng/l	NC	NC					< 2.04
PFOS	ng/l	12	16					< 2.04
PFNS	ng/l	NC	NC					< 2.04
FOSA	ng/l	NC	NC					< 2.04
4:2 FTS	ng/l	NC	NC					< 2.04
6:2 FTS	ng/l	NC	NC					< 2.04
8:2 FTS	ng/l	NC	NC					< 2.04
NETFOSAA	ng/l	NC	NC					< 2.04
NMeFOSAA	ng/l	NC	NC					< 2.04
Total PFAS	ng/l	NC	NC					11.67

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. **GRAY** = Not Sampled

GSU Quarterly Groudwater Sampling Analytical Results
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Iosco County, Michigan

		Location				RI-MW008				RI-MW009			
		Well Screen Interval (bgs)				27.5 - 28.5 ft				32 - 33 ft			
		Sample		Sample Date		Lab Report							
		GW1910091525RAP		GW2001221500RAP		GW2004151005GSC		GW2007160945RL		GW2107211300RLF		GW2110131525BA	
		10/9/2019		1/22/2020		4/15/2020		7/16/2020		7/21/2021		10/13/2021	
		1903624		2000165		2000899		2001523		2107214		2110157	
		Michigan Part 201 Generic Cleanup Criteria											
		Groundwater Surface Water Interface		Residential/Nonresidential Drinking Water		Result		Result		Result		Result	
Compound	Unit												
PFBA	ng/l	NC	NC	1.98 J	3.70 J	1.56 J	1.85 J	< 2.04	< 1.98	3.30 J	3.69 J		
PFPeA	ng/l	NC	NC	2.67 J	5.26	4.63	4.37	3.22 J	2.5 J	3.07 J	2.91 J		
PFHxA	ng/l	NC	400,000	4.14	10.20	8.88	6.90	6.27	4.68	3.54 J	4.46		
PFHpA	ng/l	NC	NC	1.46 J, Q	4.48 Q	4.54	4.19	4.07 J	3.18 J	< 2.05	1.13 J, Q		
PFOA	ng/l	12,000	8	3.08 J	6.05	4.03	3.95 J	2.71 J	2.76 J	1.61 J	1.16 J		
PFNA	ng/l	NC	6	< 2.02	< 1.98	< 1.96	< 2.03	< 2.04	< 1.98	< 2.05	< 2.06		
PFDA	ng/l	NC	NC	< 2.02	< 1.98	< 1.96	< 2.03	< 2.04	< 1.98	< 2.05	< 2.06		
PFOA	ng/l	NC	NC	< 2.02	< 1.98	< 1.96	< 2.03	< 2.04	< 1.98	< 2.05	< 2.06		
PFDoDA	ng/l	NC	NC	< 2.02	< 1.98	< 1.96	< 2.03	< 2.04	< 1.98	< 2.05	< 2.06		
PFTTrDA	ng/l	NC	NC	< 2.02	< 1.98	< 1.96	< 2.03	< 2.04	< 1.98	< 2.05	< 2.06		
PFTeDA	ng/l	NC	NC	< 2.02	< 1.98	< 1.96	< 2.03	< 2.04	< 1.98	< 2.05	< 2.06		
11Cl-PF3OUds	ng/l	NC	NC	---	< 1.98	< 1.96	< 2.03	< 2.04	< 1.98	< 2.05	< 2.06		
9Cl-PF3ONS	ng/l	NC	NC	---	< 1.98	< 1.96	< 2.03	< 2.04	< 1.98	< 2.05	< 2.06		
ADONA	ng/l	NC	NC	---	< 1.98	< 1.96	< 2.03	< 2.04	< 1.98	< 2.05	< 2.06		
HFPO-DA	ng/l	NC	NC	---	< 2.98	< 2.94	< 3.05	< 2.04	< 1.98	< 2.05	< 2.06		
PFDS	ng/l	NC	NC	< 2.02	< 1.98	< 1.96	< 2.03	< 2.04	< 1.98	< 2.05	< 2.06		
PFBS	ng/l	NC	420	< 2.02	< 1.98	< 1.96	< 2.03	< 2.04	< 1.98	3.64 J	4.38 Q		
PFPeS	ng/l	NC	NC	< 2.02	1.56 J, Q	1.54 J, Q	< 2.03	< 2.04	< 1.98	1.65 J, Q	< 2.06		
PFHxS	ng/l	NC	51	4.22	7.91	7.00	7.59	6.30	7.8	8.82	9.31		
PFHpS	ng/l	NC	NC	< 2.02	< 1.98	< 1.96	< 2.03	< 2.04	< 1.98	< 2.05	< 2.06		
PFOS	ng/l	12	16	< 2.02	< 1.98	< 1.96	< 2.03	< 2.04	< 1.98	< 2.05	< 2.06		
PFNS	ng/l	NC	NC	< 2.02	< 1.98	< 1.96	< 2.03	< 2.04	< 1.98	< 2.05	< 2.06		
FOSA	ng/l	NC	NC	< 2.02	< 1.98	< 1.96	< 2.03	< 2.04	< 1.98	< 2.05	< 2.06		
4:2 FTS	ng/l	NC	NC	< 2.02	< 1.98	< 1.96	< 2.03	< 2.04	< 1.98	< 2.05	< 2.06		
6:2 FTS	ng/l	NC	NC	< 2.02	< 1.98	< 1.96	< 2.03	< 2.04	< 1.98	< 2.05	< 2.06		
8:2 FTS	ng/l	NC	NC	< 2.02	< 1.98	< 1.96	< 2.03	< 2.04	< 1.98	< 2.05	< 2.06		
NETFOSAA	ng/l	NC	NC	< 2.02	< 1.98	< 1.96	< 2.03	< 2.04	< 1.98	< 2.05	< 2.06		
NMeFOSAA	ng/l	NC	NC	< 2.02	< 1.98	< 1.96	< 2.03	< 2.04	< 1.98	< 2.05	< 2.06		
Total PFAS	ng/l	NC	NC	17.55	39.16	32.18	28.85	22.57	20.92	25.63	27.04		

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
7. **BOLD** - Analyte above detection
8. **Highlight** - Above one or more criteria.
9. **GRAY** = Not Sampled

**GSU Quarterly Groudwater Sampling Analytical Results
October 2021
Iosco County, Michigan**

Location		RI-MW024						RI-MW024								
Well Screen Interval (bgs)		17 - 18 ft						26 - 27 ft								
Sample		GW1910100900GSC	GW1910100900GSC-FD	GW2004141605GSC	GW2007151400GSC	GW2007151400GSC-FD	GW1910100945GSC	GW2001231215RAP	GW2004141640GSC							
Sample Date		10/10/2019	10/10/2019	4/14/2020	7/15/2020	7/15/2020	10/10/2019	1/23/2020	4/14/2020							
Lab Report		1903624	1903624	2000899	2001522	2001522	1903624	2000166	2000899							
Compound	Unit	Michigan Part 201 Generic Cleanup Criteria		Result	Result	Result	Result	Result	Result							
		Groundwater Surface Water Interface	Residential/Nonresidential Drinking Water													
PFBA	ng/l	NC	NC	< 2.07	< 2.02	3.55 J	< 1.97	< 2.04	< 2.02	< 1.96	< 1.99					
PFPeA	ng/l	NC	NC	< 2.07	< 2.02	1.67 J	< 1.97	< 2.04	2.00 J	< 1.96	2.36 J					
PFHxA	ng/l	NC	400,000	< 2.07	< 2.02	2.55 J, Q	< 1.97	< 2.04	3.88 J	< 1.96	3.61 J					
PFHpA	ng/l	NC	NC	< 2.07	< 2.02	< 1.99	< 1.97	< 2.04	2.04 J, Q	< 1.96	< 1.99					
PFOA	ng/l	12,000	8	2.31 J	2.50 J	3.96 J	1.57 J	< 2.04	1.65 J	2.77 J	3.07 J					
PFNA	ng/l	NC	6	< 2.07	< 2.02	< 1.99	< 1.97	< 2.04	< 2.02	< 1.96	< 1.99					
PFDA	ng/l	NC	NC	< 2.07	< 2.02	< 1.99	< 1.97	< 2.04	< 2.02	< 1.96	< 1.99					
PFUnDA	ng/l	NC	NC	< 2.07	< 2.02	< 1.99	< 1.97	< 2.04	< 2.02	< 1.96	< 1.99					
PFDoDA	ng/l	NC	NC	< 2.07	< 2.02	< 1.99	< 1.97	< 2.04	< 2.02	< 1.96	< 1.99					
PFTrDA	ng/l	NC	NC	< 2.07	< 2.02	< 1.99	< 1.97	< 2.04	< 2.02	< 1.96	< 1.99					
PFTeDA	ng/l	NC	NC	< 2.07	< 2.02	< 1.99	< 1.97	< 2.04	< 2.02	< 1.96	< 1.99					
11Cl-PF3OUdS	ng/l	NC	NC	---	---	< 1.99	< 1.97	< 2.04	---	< 1.96	< 1.99					
9Cl-PF3ONS	ng/l	NC	NC	---	---	< 1.99	< 1.97	< 2.04	---	< 1.96	< 1.99					
ADONA	ng/l	NC	NC	---	---	< 1.99	< 1.97	< 2.04	---	< 1.96	< 1.99					
HFPO-DA	ng/l	NC	NC	---	---	< 2.99	< 2.95	< 3.06	---	< 2.94	< 2.99					
PFDS	ng/l	NC	NC	< 2.07	< 2.02	< 1.99	< 1.97	< 2.04	< 2.02	< 1.96	< 1.99					
PFBS	ng/l	NC	420	8.07	7.91	15.30	5.49	4.50	3.98 J	2.69 J	3.74 J, Q					
PFPeS	ng/l	NC	NC	< 2.07	< 2.02	< 1.99	< 1.97	< 2.04	< 2.02	< 1.96	< 1.99					
PFHxS	ng/l	NC	51	< 2.07	< 2.02	< 1.99	< 1.97	< 2.04	7.07	1.49 J	1.70 J					
PFHpS	ng/l	NC	NC	< 2.07	< 2.02	< 1.99	< 1.97	< 2.04	< 2.02	< 1.96	< 1.99					
PFOS	ng/l	12	16	< 2.07	< 2.02	< 1.99	< 1.97	< 2.04	< 2.02	< 1.96	< 1.99					
PFNS	ng/l	NC	NC	< 2.07	< 2.02	< 1.99	< 1.97	< 2.04	< 2.02	< 1.96	< 1.99					
FOSA	ng/l	NC	NC	< 2.07	< 2.02	< 1.99	< 1.97	< 2.04	< 2.02	< 1.96	< 1.99					
4:2 FTS	ng/l	NC	NC	< 2.07	< 2.02	< 1.99	< 1.97	< 2.04	< 2.02	< 1.96	< 1.99					
6:2 FTS	ng/l	NC	NC	< 2.07	< 2.02	< 1.99	< 1.97	< 2.04	< 2.02	< 1.96	< 1.99					
8:2 FTS	ng/l	NC	NC	< 2.07	< 2.02	< 1.99	< 1.97	< 2.04	< 2.02	< 1.96	< 1.99					
NEtFOSAA	ng/l	NC	NC	< 2.07	< 2.02	< 1.98	< 1.97	< 2.04	< 2.02	< 1.96	< 1.99					
NMeFOSAA	ng/l	NC	NC	< 2.07	< 2.02	< 1.99	< 1.97	< 2.04	< 2.02	< 1.96	< 1.99					
Total PFAS	ng/l	NC	NC	10.38	10.41	27.03	7.06	4.50	20.62	9.28	14.48					

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. **GRAY** = Not Sampled

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		Location				RI-MW025				RI-MW026							
		Well Screen Interval (bgs)				5.5 - 10.5 ft				16 - 21 ft							
		Sample				GW2007151315GSC				GW2010281555CM							
		Sample Date				7/15/2020				10/28/2020							
		Lab Report				2001522				2002372							
		Michigan Part 201 Generic Cleanup Criteria															
		Groundwater		Residential/Nonresidential													
		Surface Water		Drinking Water													
		Interface		Water													
Compound	Unit					Result					Result						
PFBA	ng/l	NC	NC			3.59 J					< 2.08						
PFPeA	ng/l	NC	NC			< 2.07					< 2.08						
PFHxA	ng/l	NC	400,000			< 2.07					< 2.08						
PFHpA	ng/l	NC	NC			< 2.07					< 2.08						
PFOA	ng/l	12,000	8			1.83 J					< 2.08						
PFNA	ng/l	NC	6			< 2.07					< 2.08						
PFDA	ng/l	NC	NC			< 2.07					< 2.08						
PFUnDA	ng/l	NC	NC			< 2.07					< 2.08						
PFDoDA	ng/l	NC	NC			< 2.07					< 2.08						
PFTTrDA	ng/l	NC	NC			< 2.07					< 2.08						
PFTeDA	ng/l	NC	NC			< 2.07					< 2.08						
					Oct 2019	Jul 2020	Apr 2020							Jan 2021	Apr 2021	Jul 2021	Oct 2021
11Cl-PF3OUdS	ng/l	NC	NC			< 2.07					< 2.08						
9Cl-PF3ONS	ng/l	NC	NC			< 2.07					< 2.08						
ADONA	ng/l	NC	NC			< 2.07					< 2.08						
HFPO-DA	ng/l	NC	NC			< 3.11					< 2.08						
PFDS	ng/l	NC	NC			< 2.07					< 2.08						
PFBS	ng/l	NC	420			< 2.07					< 2.08						
PFPeS	ng/l	NC	NC			< 2.07					< 2.08						
PFHxS	ng/l	NC	51			< 2.07					< 2.08						
PFHpS	ng/l	NC	NC			< 2.07					< 2.08						
PFOS	ng/l	12	16			< 2.07					< 2.08						
PFNS	ng/l	NC	NC			< 2.07					< 2.08						
FOSA	ng/l	NC	NC			< 2.07					< 2.08						
4:2 FTS	ng/l	NC	NC			< 2.07					< 2.08						
6:2 FTS	ng/l	NC	NC			< 2.07					< 2.08						
8:2 FTS	ng/l	NC	NC			< 2.07					< 2.08						
NEtFOSAA	ng/l	NC	NC			< 2.07					< 2.08						
NMeFOSAA	ng/l	NC	NC			< 2.07					< 2.08						
Total PFAS	ng/l	NC	NC			5.42					ND						

Footnotes:

1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. **GRAY** = Not Sampled

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		Location		RI-MW026							
		Well Screen Interval (bgs)		32 - 33 ft							
		Sample		GW2001231320RAP	GW2007151440GSC	GW2010281445CM	GW2101270830GSC	GW2101270830GSC-FD	GW2104061910KEM	GW2107211500MLH	GW2110121420RF
		Sample Date		1/23/2020	7/15/2020	10/28/2020	1/27/2021	1/27/2021	4/6/2021	7/21/2021	10/12/2021
		Lab Report		2000166	2001522	2002372	2102039	2102039	2104108	2107214	2110157
Compound	Unit	Michigan Part 201 Generic Cleanup Criteria		Result	Result	Result	Result	Result	Result	Result	Result
		Groundwater Surface Water Interface	Residential/Nonresidential Drinking Water								
PFBA	ng/l	NC	NC	1.85 J	< 2.10	2.22 J	< 1.98	< 2.02	< 2.02	1.13 J	2.51 J
PFPeA	ng/l	NC	NC	5.01	2.52 J	5.56	< 1.98	< 2.02	2.05 J	2.92 J	1.98 J
PFHxA	ng/l	NC	400,000	5.25	2.94 J	5.66	< 1.98	< 2.02	1.84 J	2.26 J	1.94 J
PFHpA	ng/l	NC	NC	5.43	3.35 J	2.84 J	< 1.98	< 2.02	2.05 J	1.64 J	1.08 J
PFOA	ng/l	12,000	8	16.80	12.90	11.00	< 1.98	< 2.02	9.28	6.88	4.08 J
PFNA	ng/l	NC	6	< 1.99	< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09
PFDA	ng/l	NC	NC	< 1.99	< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09
PFUnDA	ng/l	NC	NC	< 1.99	< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09
PFDoDA	ng/l	NC	NC	< 1.99	< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09
PFTTrDA	ng/l	NC	NC	< 1.99	< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09
PFTeDA	ng/l	NC	NC	< 1.99	< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09
11CI-PF3OUds	ng/l	NC	NC	< 1.99	< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09
9CI-PF3ONS	ng/l	NC	NC	< 1.99	< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09
ADONA	ng/l	NC	NC	< 1.99	< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09
HFPO-DA	ng/l	NC	NC	< 2.99	< 3.15	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09
PFDS	ng/l	NC	NC	< 1.99	< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09
PFBS	ng/l	NC	420	< 1.99	< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09
PFPeS	ng/l	NC	NC	< 1.99	< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09
PFHxS	ng/l	NC	51	6.64	4.15 J	4.52	< 1.98	< 2.02	3.11 J	2.45 J	1.87 J
PFHpS	ng/l	NC	NC	< 1.99	< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09
PFOS	ng/l	12	16	< 1.99	< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09
PFNS	ng/l	NC	NC	< 1.99	< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09
FOSA	ng/l	NC	NC	< 1.99	< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09
4:2 FTS	ng/l	NC	NC	< 1.99	< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09
6:2 FTS	ng/l	NC	NC	< 1.99	< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09
8:2 FTS	ng/l	NC	NC	< 1.99	< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09
NETFOSAA	ng/l	NC	NC	< 1.99	< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09
NMeFOSAA	ng/l	NC	NC	< 1.99	< 2.10	< 2.04	< 1.98	< 2.02	< 2.02	< 1.98	< 2.09
Total PFAS	ng/l	NC	NC	40.98	25.86	31.80	ND	ND	18.33	17.28	13.46

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
7. **BOLD** - Analyte above detection
8. **Highlight** - Above one or more criteria.
9. **GRAY** = Not Sampled

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		Location Well Screen Interval (bgs)					RI-MW026 45 - 46 ft				RI-MW027 20 - 21 ft			
		Sample Sample Date Lab Report					GW2101270925GSC	GW2104062000KEM	GW2107211555MLH	GW2110121405BA	GW2010281140CM			
							1/27/2021	4/6/2021	7/21/2021	10/12/2021	10/28/2020			
							2102039	2104108	2107214	2110157	2002372			
Compound	Unit	Michigan Part 201 Generic Cleanup Criteria												
		Groundwater Surface Water Interface	Residential/Nonresidential Drinking Water											
						Result	Result	Result	Result					Result
PFBA	ng/l	NC	NC			2.20 J	< 2.13	< 2.06	< 1.95					1.26 J
PFPeA	ng/l	NC	NC			4.03 J	< 2.13	< 2.06	< 1.95					1.07 J
PFHxA	ng/l	NC	400,000			3.37 J	< 2.13	< 2.06	< 1.95					1.19 J
PFHpA	ng/l	NC	NC			3.39 J, Q	< 2.13	< 2.06	< 1.95					< 1.98
PFOA	ng/l	12,000	8			9.74	< 2.13	< 2.06	< 1.95					1.82 J
PFNA	ng/l	NC	6			< 2.06	< 2.13	< 2.06	< 1.95					< 1.98
PFDA	ng/l	NC	NC			< 2.06	< 2.13	< 2.06	< 1.95					< 1.98
PFUnDA	ng/l	NC	NC			< 2.06	< 2.13	< 2.06	< 1.95					< 1.98
PFDoDA	ng/l	NC	NC			< 2.06	< 2.13	< 2.06	< 1.95					< 1.98
PFTriDA	ng/l	NC	NC			< 2.06	< 2.13	< 2.06	< 1.95					< 1.98
PFTeDA	ng/l	NC	NC			< 2.06	< 2.13	< 2.06	< 1.95					< 1.98
11CI-PF3OUdS	ng/l	NC	NC			< 2.06	< 2.13	< 2.06	< 1.95					< 1.98
9CI-PF3ONS	ng/l	NC	NC			< 2.06	< 2.13	< 2.06	< 1.95					< 1.98
ADONA	ng/l	NC	NC			< 2.06	< 2.13	< 2.06	< 1.95					< 1.98
HFPO-DA	ng/l	NC	NC			< 2.06	< 2.13	< 2.06	< 1.95					< 1.98
PFDS	ng/l	NC	NC			< 2.06	< 2.13	< 2.06	< 1.95					< 1.98
PFBS	ng/l	NC	420			< 2.06	< 2.13	< 2.06	< 1.95					2.68 J
PFPeS	ng/l	NC	NC			< 2.06	< 2.13	< 2.06	< 1.95					< 1.98
PFHxS	ng/l	NC	51			3.30 J	< 2.13	< 2.06	< 1.95					4.09
PFHpS	ng/l	NC	NC			< 2.06	< 2.13	< 2.06	< 1.95					< 1.98
PFOS	ng/l	12	16			< 2.06	< 2.13	< 2.06	< 1.95					< 1.98
PFNS	ng/l	NC	NC			< 2.06	< 2.13	< 2.06	< 1.95					< 1.98
FOSA	ng/l	NC	NC			< 2.06	< 2.13	< 2.06	< 1.95					< 1.98
4:2 FTS	ng/l	NC	NC			< 2.06	< 2.13	< 2.06	< 1.95					< 1.98
6:2 FTS	ng/l	NC	NC			< 2.06	< 2.13	< 2.06	< 1.95					< 1.98
8:2 FTS	ng/l	NC	NC			< 2.06	< 2.13	< 2.06	< 1.95					< 1.98
NETFOSAA	ng/l	NC	NC			< 2.06	< 2.13	< 2.06	< 1.95					< 1.98
NMeFOSAA	ng/l	NC	NC			< 2.06	< 2.13	< 2.06	< 1.95					< 1.98
Total PFAS	ng/l	NC	NC			26.03	ND	ND	ND					12.11

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
7. **BOLD** - Analyte above detection
8. **Highlight** - Above one or more criteria.
9. **GRAY** = Not Sampled

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		Location				RI-MW027				RI-MW028							
		Well Screen Interval (bgs)				34.5 - 35.3 ft				5 - 10 ft							
		Sample				GW2010281250CM				GW2007151515GSC				GW2104061725KEM			
		Sample Date				10/28/2020				7/15/2020				10/28/2020			
		Lab Report				2002372				2001522				2002372			
		Michigan Part 201 Generic Cleanup Criteria															
		Groundwater		Residential/Nonresidential		Result				Result				Result			
Compound	Unit	Surface Water	Interface	Drinking Water	Jan	Apr	Jul	Oct	Jan	Apr	Jul	Oct	Jan	Apr	Jul	Oct	
PFBA	ng/l	NC	NC	NC													
PFPeA	ng/l	NC	NC	NC													
PFHxA	ng/l	NC	400,000	NC													
PFHpA	ng/l	NC	NC	NC													
PFOA	ng/l	12,000	8	NC													
PFNA	ng/l	NC	6	NC													
PFDA	ng/l	NC	NC	NC													
PFUnDA	ng/l	NC	NC	NC													
PFDoDA	ng/l	NC	NC	NC													
PFTriDA	ng/l	NC	NC	NC													
PFTeDA	ng/l	NC	NC	NC													
					Oct	Jan	Apr	Jul	Oct	Oct	Jan	Apr	Oct	Jan	Apr	Jul	Oct
					2019	2020	2020	2020	2021	2021	2021	2021	2019	2020	2020		
11CI-PF3OUdS	ng/l	NC	NC	NC													
9CI-PF3ONS	ng/l	NC	NC	NC													
ADONA	ng/l	NC	NC	NC													
HFPO-DA	ng/l	NC	NC	NC													
PFDS	ng/l	NC	NC	NC													
PFBS	ng/l	NC	420	NC													
PFPeS	ng/l	NC	NC	NC													
PFHxS	ng/l	NC	51	NC													
PFHpS	ng/l	NC	NC	NC													
PFOS	ng/l	12	16	NC													
PFNS	ng/l	NC	NC	NC													
FOSA	ng/l	NC	NC	NC													
4:2 FTS	ng/l	NC	NC	NC													
6:2 FTS	ng/l	NC	NC	NC													
8:2 FTS	ng/l	NC	NC	NC													
NETFOSAA	ng/l	NC	NC	NC													
NMeFOSAA	ng/l	NC	NC	NC													
Total PFAS	ng/l	NC	NC	NC													

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
7. **BOLD** - Analyte above detection
8. **Highlight** - Above one or more criteria.
9. **GRAY** = Not Sampled

**GSU Quarterly Groudwater Sampling Analytical Results
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		RI-MW028 20 - 21 ft				RI-MW030 24 - 25 ft					
		GW2010291115CM 10/29/2020 2002372		GW2107211710MLH 7/21/2021 2107214		GW1910101025RAP 10/10/2019 1903624		GW2001230915RAP 1/23/2020 2000166		GW2004141735GSC 4/14/2020 2000899	
Compound	Unit	Michigan Part 201 Generic Cleanup Criteria		Result	Result	Result	Result	Result	Result	Result	Result
		Groundwater Surface Water Interface	Residential/Nonresidential Drinking Water								
PFBA	ng/l	NC	NC	< 2.07	< 2.06	< 2.28	4.77	4.33			
PFPeA	ng/l	NC	NC	< 2.07	< 2.06	< 2.28	< 2.05	< 2.08			
PFHxA	ng/l	NC	400,000	< 2.07	< 2.06	< 2.28	< 2.05	< 2.08			
PFHpA	ng/l	NC	NC	< 2.07	< 2.06	< 2.28	< 2.05	< 2.08			
PFOA	ng/l	12,000	8	< 2.07	< 2.06	< 2.28	< 2.05	< 2.08			
PFNA	ng/l	NC	6	< 2.07	< 2.06	< 2.28	< 2.05	< 2.08			
PFDA	ng/l	NC	NC	< 2.07	< 2.06	< 2.28	< 2.05	< 2.08			
PFUnDA	ng/l	NC	NC	< 2.07	< 2.06	< 2.28	< 2.05	< 2.08			
PFDoDA	ng/l	NC	NC	< 2.07	< 2.06	< 2.28	< 2.05	< 2.08			
PFTriDA	ng/l	NC	NC	< 2.07	< 2.06	< 2.28	< 2.05	< 2.08			
PFTeDA	ng/l	NC	NC	< 2.07	< 2.06	< 2.28	< 2.05	< 2.08			
11CI-PF3OUdS	ng/l	NC	NC	< 2.07	< 2.06	---	< 2.05	< 2.08			
9CI-PF3ONS	ng/l	NC	NC	< 2.07	< 2.06	---	< 2.05	< 2.08			
ADONA	ng/l	NC	NC	< 2.07	< 2.06	---	< 2.05	< 2.08			
HFPO-DA	ng/l	NC	NC	< 2.07	< 2.06	---	< 3.07	< 3.13			
PFDS	ng/l	NC	NC	< 2.07	< 2.06	< 2.28	< 2.05	< 2.08			
PFBS	ng/l	NC	420	< 2.07	< 2.06	< 2.28	< 2.05	< 2.08			
PFPeS	ng/l	NC	NC	< 2.07	< 2.06	< 2.28	< 2.05	< 2.08			
PFHxS	ng/l	NC	51	< 2.07	< 2.06	< 2.28	< 2.05	< 2.08			
PFHpS	ng/l	NC	NC	< 2.07	< 2.06	< 2.28	< 2.05	< 2.08			
PFOS	ng/l	12	16	< 2.07	< 2.06	< 2.28	2.27 J	< 2.08			
PFNS	ng/l	NC	NC	< 2.07	< 2.06	< 2.28	< 2.05	< 2.08			
FOSA	ng/l	NC	NC	< 2.07	< 2.06	< 2.28	< 2.05	< 2.08			
4:2 FTS	ng/l	NC	NC	< 2.07	< 2.06	< 2.28	< 2.05	< 2.08			
6:2 FTS	ng/l	NC	NC	< 2.07	< 2.06	< 2.28	< 2.05	< 2.08			
8:2 FTS	ng/l	NC	NC	< 2.07	< 2.06	< 2.28	< 2.05	< 2.08			
NETFOSAA	ng/l	NC	NC	< 2.07	< 2.06	< 2.28	< 2.05	< 2.08			
NMeFOSAA	ng/l	NC	NC	< 2.07	< 2.06	< 2.28	< 2.05	< 2.08			
Total PFAS	ng/l	NC	NC	ND	ND	ND	7.04	4.33			

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
7. **BOLD** - Analyte above detection
8. **Highlight** - Above one or more criteria.
9. **GRAY** = Not Sampled

GSU Quarterly Groudwater Sampling Analytical Results
October 2021
Iosco County, Michigan

		Location		RI-MW032								
		Well Screen Interval (bgs)		18 - 23 ft								
		Sample		GW1910091630RAP	GW2001221530MK	GW2004150915GSC	GW2007151700GSC	GW2010291335CM	GW2101270930SK	GW2104071620KEM	GW2107220750MLH	GW2110131740BA
		Sample Date		10/9/2019	1/22/2020	4/15/2020	7/15/2020	10/29/2020	1/27/2021	4/7/2021	7/22/2021	10/13/2021
		Lab Report		1903624	2000166	2000899	2001522	2002372	2102039	2104108	2107214	2110158
Compound	Unit	Michigan Part 201 Generic Cleanup Criteria		Result	Result	Result	Result	Result	Result	Result	Result	Result
		Groundwater Surface Interface	Residential/Nonresidential Drinking Water									
PFBA	ng/l	NC	NC	6.72	8.18	5.64	8.09	9.46	8.83	8.05	8.68	10.2
PFPeA	ng/l	NC	NC	9.72	15.10	11.20	13.00	16.80	20.10	15.70	16.70	25.8
PFHxA	ng/l	NC	400,000	13.40	20.40	19.20	20.30	26.50	30.20	24.20	26.30	37.8
PFHpA	ng/l	NC	NC	3.87 J	5.84	6.59	8.73	12.70	15.90	15.40	15.90	18.2
PFOA	ng/l	12,000	8	11.30	15.90	17.90	19.80	22.40	25.10	19.30	18.70	24.3
PFNA	ng/l	NC	6	< 2.16	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94
PFDA	ng/l	NC	NC	< 2.16	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94
PFUnDA	ng/l	NC	NC	< 2.16	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94
PFDoDA	ng/l	NC	NC	< 2.16	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94
PFTTrDA	ng/l	NC	NC	< 2.16	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94
PFTeDA	ng/l	NC	NC	< 2.16	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94
11CI-PF3OUdS	ng/l	NC	NC	---	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94
9CI-PF3ONS	ng/l	NC	NC	---	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94
ADONA	ng/l	NC	NC	---	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94
HFPO-DA	ng/l	NC	NC	---	< 3.06	< 3.02	< 3.10	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94
PFDS	ng/l	NC	NC	< 2.16	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94
PFBS	ng/l	NC	420	23.80	27.60	23.80	25.60	31.30	33.10	23.00	22.70	19.7
PFPeS	ng/l	NC	NC	1.52 J	3.38 J	2.92 J	3.13 J	3.51 J	4.34	2.51 J	2.52 J	2.49 J
PFHxS	ng/l	NC	51	44.30	75.20	71.60	88.30	83.70	103.00	82.40	75.70	70
PFHpS	ng/l	NC	NC	< 2.16	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94
PFOS	ng/l	12	16	1.96 J, Q	3.21 J	< 2.02	2.15 J	2.76 J	5.21	2.48 J	< 1.95	2.31 J
PFNS	ng/l	NC	NC	< 2.16	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94
FOSA	ng/l	NC	NC	< 2.16	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94
4:2 FTS	ng/l	NC	NC	< 2.16	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94
6:2 FTS	ng/l	NC	NC	< 2.16	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94
8:2 FTS	ng/l	NC	NC	< 2.16	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94
NEtFOSAA	ng/l	NC	NC	< 2.16	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94
NMeFOSAA	ng/l	NC	NC	< 2.16	< 2.04	< 2.02	< 2.07	< 1.98	< 1.98	< 2.01	< 1.95	< 1.94
Total PFAS	ng/l	NC	NC	116.59	174.81	158.85	189.10	209.13	245.78	193.04	187.20	210.80

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
7. **BOLD** - Analyte above detection
8. **Highlight** - Above one or more criteria.
9. **GRAY** = Not Sampled

GSU Quarterly Groudwater Sampling Analytical Results
October 2021
Iosco County, Michigan

		Location				RI-MW032						
		Well Screen Interval (bgs)				29 - 30 ft						
		Sample				GW2101271010SK	GW2104071700KEM	GW2107220835MLH	GW2110131825BA			
		Sample Date				1/27/2021	4/7/2021	7/22/2021	10/13/2021			
		Lab Report				2102039	2104108	2107214	2110158			
Compound	Unit	Michigan Part 201 Generic Cleanup Criteria		Oct 2019	Jan 2020	Apr 2020	Jul 2020	Oct 2020	Result	Result	Result	Result
		Groundwater Surface Water Interface	Residential/Nonresidential Drinking Water									
PFBA	ng/l	NC	NC						7.15	5.32	7.61	15
PFPeA	ng/l	NC	NC						6.14	5.63	5.14	26.5
PFHxA	ng/l	NC	400,000						7.13	7.44	5.25	37.4
PFHpA	ng/l	NC	NC						1.80 J, Q	2.33 J, Q	2.77 J	6.49
PFOA	ng/l	12,000	8						5.29	9.51	2.72 J	2.27 J
PFNA	ng/l	NC	6						< 2.01	< 1.95	< 1.95	< 1.96
PFDA	ng/l	NC	NC						< 2.01	< 1.95	< 1.95	< 1.96
PFUnDA	ng/l	NC	NC						< 2.01	< 1.95	< 1.95	< 1.96
PFDODA	ng/l	NC	NC						< 2.01	< 1.95	< 1.95	< 1.96
PFTTrDA	ng/l	NC	NC						< 2.01	< 1.95	< 1.95	< 1.96
PFTeDA	ng/l	NC	NC						< 2.01	< 1.95	< 1.95	< 1.96
11CI-PF3OUdS	ng/l	NC	NC						< 2.01	< 1.95	< 1.95	< 1.96
9CI-PF3ONS	ng/l	NC	NC						< 2.01	< 1.95	< 1.95	< 1.96
ADONA	ng/l	NC	NC						< 2.01	< 1.95	< 1.95	< 1.96
HFPO-DA	ng/l	NC	NC						< 2.01	< 1.95	< 1.95	< 1.96
PFDS	ng/l	NC	NC						< 2.01	< 1.95	< 1.95	< 1.96
PFBS	ng/l	NC	420						19.80	16.70	17.80	20.1
PFPeS	ng/l	NC	NC						1.35 J	2.16 J	< 1.95	< 1.96
PFHxS	ng/l	NC	51						13.00	36.70	6.10	1.83 J
PFHpS	ng/l	NC	NC						< 2.01	< 1.95	< 1.95	< 1.96
PFOS	ng/l	12	16						< 2.01	< 1.95	< 1.95	< 1.96
PFNS	ng/l	NC	NC						< 2.01	< 1.95	< 1.95	< 1.96
FOSA	ng/l	NC	NC						< 2.01	< 1.95	< 1.95	< 1.96
4:2 FTS	ng/l	NC	NC						< 2.01	< 1.95	< 1.95	< 1.96
6:2 FTS	ng/l	NC	NC						< 2.01	< 1.95	< 1.95	< 1.96
8:2 FTS	ng/l	NC	NC						< 2.01	< 1.95	< 1.95	< 1.96
NEtFOSAA	ng/l	NC	NC						< 2.01	< 1.95	< 1.95	< 1.96
NMeFOSAA	ng/l	NC	NC						< 2.01	< 1.95	< 1.95	< 1.96
Total PFAS	ng/l	NC	NC						61.66	85.79	47.39	109.59

Footnotes:

1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
6. **BOLD** - Analyte above detection
7. **Highlight** - Above one or more criteria.
8. **GRAY** = Not Sampled

GSU Quarterly Groudwater Sampling Analytical Results
October 2021
Iosco County, Michigan

		Location		RI-MW033								
		Well Screen Interval (bgs)		13 - 18 ft								
		Sample		GW1910100915RAP	GW2001221440MK	GW2004150830GSC	GW2007151730GSC	GW2010291430CM	GW2101271100SK	GW2104071450KEM	GW2107211735RLF	GW2110121840RF
		Sample Date		10/10/2019	1/22/2020	4/15/2020	7/15/2020	10/29/2020	1/27/2021	4/7/2021	7/21/2021	10/12/2021
		Lab Report		1903624	2000165	2000899	2001522	2002372	2102039	2104108	2107214	2110157
Compound	Unit	Michigan Part 201 Generic Cleanup Criteria		Result	Result	Result	Result	Result	Result	Result	Result	Result
		Groundwater Surface Water Interface	Residential/Nonresidential Drinking Water									
PFBA	ng/l	NC	NC	2.43 J	5.68	6.51	3.45 J	1.76 J	<2.03	< 2.04	1.11 J	4.29
PFPeA	ng/l	NC	NC	1.51 J	< 2.02	1.85 J	3.42 J	1.75 J	1.05 J	< 2.04	< 2.10	1.98 J
PFHxA	ng/l	NC	400,000	1.53 J	1.90 J, Q	5.91	4.71	3.19 J, Q	1.14 J, Q	< 2.04	< 2.10	4.35
PFHpA	ng/l	NC	NC	< 2.09	1.68 J	3.30 J	4.68	3.62 J	2.09 J	1.15 J	2.11 J, Q	4.5
PFOA	ng/l	12,000	8	8.14	10.60	14.00	17.00	19.10	10.40	5.78	10.10	17.2
PFNA	ng/l	NC	6	< 2.09	< 2.02	< 1.98	< 2.05	< 2.07	<2.03	< 2.04	< 2.10	< 1.96
PFDA	ng/l	NC	NC	< 2.09	< 2.02	< 1.98	< 2.05	< 2.07	<2.03	< 2.04	< 2.10	< 1.96
PFUnDA	ng/l	NC	NC	< 2.09	< 2.02	< 1.98	< 2.05	< 2.07	<2.03	< 2.04	< 2.10	< 1.96
PFDoDA	ng/l	NC	NC	< 2.09	< 2.02	< 1.98	< 2.05	< 2.07	<2.03	< 2.04	< 2.10	< 1.96
PFTTrDA	ng/l	NC	NC	< 2.09	< 2.02	< 1.98	< 2.05	< 2.07	<2.03	< 2.04	< 2.10	< 1.96
PFTeDA	ng/l	NC	NC	< 2.09	< 2.02	< 1.98	< 2.05	< 2.07	<2.03	< 2.04	< 2.10	< 1.96
11CI-PF3OUdS	ng/l	NC	NC	---	< 2.02	< 1.98	< 2.05	< 2.07	<2.03	< 2.04	< 2.10	< 1.96
9CI-PF3ONS	ng/l	NC	NC	---	< 2.02	< 1.98	< 2.05	< 2.07	<2.03	< 2.04	< 2.10	< 1.96
ADONA	ng/l	NC	NC	---	< 2.02	< 1.98	< 2.05	< 2.07	<2.03	< 2.04	< 2.10	< 1.96
HFPO-DA	ng/l	NC	NC	---	< 3.02	< 2.96	< 3.07	< 2.07	<2.03	< 2.04	< 2.10	< 1.96
PFDS	ng/l	NC	NC	< 2.09	< 2.02	< 1.98	< 2.05	< 2.07	<2.03	< 2.04	< 2.10	< 1.96
PFBS	ng/l	NC	420	3.35 J	2.61 J	6.11	2.97 J	4.69	3.04 J	4.12	3.53 J	4.53
PFPeS	ng/l	NC	NC	< 2.09	< 2.02	< 1.98	< 2.05	< 2.07	<2.03	< 2.04	< 2.10	< 1.96
PFHxS	ng/l	NC	51	35.90	26.50	22.80	22.30	39.80	23.60	21.30	32.40	27.9
PFHpS	ng/l	NC	NC	< 2.09	< 2.02	< 1.98	< 2.05	< 2.07	<2.03	< 2.04	< 2.10	< 1.96
PFOS	ng/l	12	16	3.86 J	4.96	< 1.98	4.28	5.21	4.11	3.32 J	1.29 J	4.44
PFNS	ng/l	NC	NC	< 2.09	< 2.02	< 1.98	< 2.05	< 2.07	<2.03	< 2.04	< 2.10	< 1.96
FOSA	ng/l	NC	NC	< 2.09	< 2.02	< 1.98	< 2.05	< 2.07	<2.03	< 2.04	< 2.10	< 1.96
4:2 FTS	ng/l	NC	NC	< 2.09	< 2.02	< 1.98	< 2.05	< 2.07	<2.03	< 2.04	< 2.10	< 1.96
6:2 FTS	ng/l	NC	NC	< 2.09	< 2.02	< 1.98	< 2.05	< 2.07	<2.03	< 2.04	< 2.10	< 1.96
8:2 FTS	ng/l	NC	NC	< 2.09	< 2.02	< 1.98	< 2.05	< 2.07	<2.03	< 2.04	< 2.10	< 1.96
NEtFOSAA	ng/l	NC	NC	< 2.09	< 2.02	< 1.98	< 2.05	< 2.07	<2.03	< 2.04	< 2.10	< 1.96
NMeFOSAA	ng/l	NC	NC	< 2.09	< 2.02	< 1.98	< 2.05	< 2.07	<2.03	< 2.04	< 2.10	< 1.96
Total PFAS	ng/l	NC	NC	56.72	53.93	60.48	62.81	79.12	45.43	35.67	50.54	69.19

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
7. **BOLD** - Analyte above detection
8. **Highlight** - Above one or more criteria.
9. **GRAY** = Not Sampled

GSU Quarterly Groudwater Sampling Analytical Results
October 2021
Iosco County, Michigan

		Location				RI-MW033			RI-MW034				
		Well Screen Interval (bgs)				27.5 - 28.5 ft			7.5 - 12.5 ft				
		Sample				GW2101271130SK	GW2104071530KEM	GW2110121835BA	GW2007151800GSC	GW2101271310SK	GW2104071330KEM	GW2107211110MLH	GW2110140815BA
		Sample Date				1/27/2021	4/7/2021	10/12/2021	7/15/2020	1/27/2021	4/7/2021	7/21/2021	10/14/2021
		Lab Report				2102039	2104108	2110157	2001522	2102039	2104108	2107214	2110158
		Michigan Part 201 Generic Cleanup Criteria											
Compound	Unit	Groundwater		Residential/Nonresidential		Result		Result		Result		Result	
		Surface Water Interface	Drinking Water	Surface Water Interface	Drinking Water	Surface Water Interface	Drinking Water	Surface Water Interface	Drinking Water	Surface Water Interface	Drinking Water	Surface Water Interface	Drinking Water
PFBA	ng/l	NC	NC	< 2.03	< 1.99	< 2.03	< 1.99	5.06	1.88 J	2.44 J	1.79 J	2.42 J	< 1.99
PFPeA	ng/l	NC	NC	< 2.03	< 1.99	< 2.03	< 1.99	< 2.02	< 2.02	< 2.05	< 2.07	< 1.99	< 1.99
PFHxA	ng/l	NC	400,000	< 2.03	< 1.99	< 2.03	< 1.99	< 2.02	< 2.02	< 2.05	< 2.07	< 1.99	< 1.99
PFHpA	ng/l	NC	NC	< 2.03	< 1.99	< 2.03	< 1.99	< 2.02	< 2.02	< 2.05	< 2.07	< 1.99	< 1.99
PFOA	ng/l	12,000	8	< 2.03	< 1.99	< 2.03	< 1.99	< 2.02	< 2.02	< 2.05	< 2.07	1.15 J	< 1.99
PFNA	ng/l	NC	6	< 2.03	< 1.99	< 2.03	< 1.99	< 2.02	< 2.02	< 2.05	< 2.07	< 1.99	< 1.99
PFDA	ng/l	NC	NC	< 2.03	< 1.99	< 2.03	< 1.99	< 2.02	< 2.02	< 2.05	< 2.07	< 1.99	< 1.99
PFUnDA	ng/l	NC	NC	< 2.03	< 1.99	< 2.03	< 1.99	< 2.02	< 2.02	< 2.05	< 2.07	< 1.99	< 1.99
PFDoDA	ng/l	NC	NC	< 2.03	< 1.99	< 2.03	< 1.99	< 2.02	< 2.02	< 2.05	< 2.07	< 1.99	< 1.99
PFTTrDA	ng/l	NC	NC	< 2.03	< 1.99	< 2.03	< 1.99	< 2.02	< 2.02	< 2.05	< 2.07	< 1.99	< 1.99
PFTeDA	ng/l	NC	NC	< 2.03	< 1.99	< 2.03	< 1.99	< 2.02	< 2.02	< 2.05	< 2.07	< 1.99	< 1.99
11CI-PF3OUdS	ng/l	NC	NC	< 2.03	< 1.99	< 2.03	< 1.99	< 2.02	< 2.02	< 2.05	< 2.07	< 1.99	< 1.99
9CI-PF3ONS	ng/l	NC	NC	< 2.03	< 1.99	< 2.03	< 1.99	< 2.02	< 2.02	< 2.05	< 2.07	< 1.99	< 1.99
ADONA	ng/l	NC	NC	< 2.03	< 1.99	< 2.03	< 1.99	< 2.02	< 2.02	< 2.05	< 2.07	< 1.99	< 1.99
HFPO-DA	ng/l	NC	NC	< 2.03	< 1.99	< 2.03	< 1.99	< 2.02	< 3.02	< 2.05	< 2.07	< 1.99	< 1.99
PFDS	ng/l	NC	NC	< 2.03	< 1.99	< 2.03	< 1.99	< 2.02	< 2.02	< 2.05	< 2.07	< 1.99	< 1.99
PFBS	ng/l	NC	420	< 2.03	< 1.99	< 2.03	< 1.99	1.37 J	1.79 J	1.64 J	1.29 J	< 1.99	1.24 J
PFPeS	ng/l	NC	NC	< 2.03	< 1.99	< 2.03	< 1.99	1.06 J	< 2.02	< 2.05	< 2.07	< 1.99	< 1.99
PFHxS	ng/l	NC	51	1.43 J	1.28 J	1.43 J	1.28 J	3.14 J	2.65 J	3.04 J	2.46 J	2.74 J	1.8 J
PFHpS	ng/l	NC	NC	< 2.03	< 1.99	< 2.03	< 1.99	< 2.02	< 2.02	< 2.05	< 2.07	< 1.99	< 1.99
PFOS	ng/l	12	16	< 2.03	< 1.99	< 2.03	< 1.99	< 2.02	3.37 J	1.20 J	1.53 J	< 1.99	1.96 J
PFNS	ng/l	NC	NC	< 2.03	< 1.99	< 2.03	< 1.99	< 2.02	< 2.02	< 2.05	< 2.07	< 1.99	< 1.99
FOSA	ng/l	NC	NC	< 2.03	< 1.99	< 2.03	< 1.99	< 2.02	< 2.02	< 2.05	< 2.07	< 1.99	< 1.99
4:2 FTS	ng/l	NC	NC	< 2.03	< 1.99	< 2.03	< 1.99	< 2.02	< 2.02	< 2.05	< 2.07	< 1.99	< 1.99
6:2 FTS	ng/l	NC	NC	< 2.03	< 1.99	< 2.03	< 1.99	< 2.02	< 2.02	< 2.05	< 2.07	< 1.99	< 1.99
8:2 FTS	ng/l	NC	NC	< 2.03	< 1.99	< 2.03	< 1.99	< 2.02	< 2.02	< 2.05	< 2.07	< 1.99	< 1.99
NEtFOSAA	ng/l	NC	NC	< 2.03	< 1.99	< 2.03	< 1.99	< 2.02	< 2.02	< 2.05	< 2.07	< 1.99	< 1.99
NMeFOSAA	ng/l	NC	NC	< 2.03	< 1.99	< 2.03	< 1.99	< 2.02	< 2.02	< 2.05	< 2.07	< 1.99	< 1.99
Total PFAS	ng/l	NC	NC	1.43	1.28	1.43	1.28	10.63	9.69	8.32	7.07	6.31	5.00

Footnotes:
1. bgs - Below ground surface
2. ft = feet
3. ND - Result below detection limit
4. ng/l - Nanograms per liter
5. < 2.05 - Result below detection limit
6. --- = Analyte not included in analysis.
7. **BOLD** - Analyte above detection
8. **Highlight** - Above one or more criteria.
9. **GRAY** = Not Sampled

GSU Quarterly Groudwater Sampling Analytical Results
October 2021
Iosco County, Michigan

		Location				RI-MW035				RI-MW035							
		Well Screen Interval (bgs)				30 - 31 ft				49 - 50 FT							
		Sample				GW2104070845KEM-FI		GW2107211215MLH		GW2110131800RF		GW2107211310MLH		GW2110131700RF		FD2110131705RF	
		Sample Date				4/7/2021		4/7/2021		7/21/2021		10/13/2021		7/21/2021		10/13/2021	
		Lab Report				2104108		2104108		2107214		2110158		2107214		2110157	
		Michigan Part 201 Generic Cleanup Criteria															
		Groundwater		Residential/Nonresidential													
		Surface Water		Drinking Water													
		Interface		Drinking Water													
Compound	Unit					Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
PFBA	ng/l	NC	NC			< 2.07	< 2.06	2.95 J	19.6			2.07 J	1.78 J	1.85 J			
PFPeA	ng/l	NC	NC			< 2.07	< 2.06	3.81 J	12.6			7.85	3.01 J	3.24 J			
PFHxA	ng/l	NC	400,000			< 2.07	< 2.06	4.11	16.2			6.07	3.49 J	3.6 J			
PFHpA	ng/l	NC	NC			< 2.07	< 2.06	3.76 J	7.28			1.03 J	< 1.95	< 1.98			
PFOA	ng/l	12,000	8			< 2.07	< 2.06	3.18 J	12.3			< 1.95	< 1.95	< 1.98			
PFNA	ng/l	NC	6			< 2.07	< 2.06	< 1.95	< 1.94			< 1.95	< 1.95	< 1.98			
PFDA	ng/l	NC	NC			< 2.07	< 2.06	< 1.95	< 1.94			< 1.95	< 1.95	< 1.98			
PFUnDA	ng/l	NC	NC			< 2.07	< 2.06	< 1.95	< 1.94			< 1.95	< 1.95	< 1.98			
PFDoDA	ng/l	NC	NC			< 2.07	< 2.06	< 1.95	< 1.94			< 1.95	< 1.95	< 1.98			
PFTriDA	ng/l	NC	NC			< 2.07	< 2.06	< 1.95	< 1.94			< 1.95	< 1.95	< 1.98			
PFTeDA	ng/l	NC	NC			< 2.07	< 2.06	< 1.95	< 1.94			< 1.95	< 1.95	< 1.98			
11Cl-PF3OUdS	ng/l	NC	NC			< 2.07	< 2.06	< 1.95	< 1.94			< 1.95	< 1.95	< 1.98			
9Cl-PF3ONS	ng/l	NC	NC			< 2.07	< 2.06	< 1.95	< 1.94			< 1.95	< 1.95	< 1.98			
ADONA	ng/l	NC	NC			< 2.07	< 2.06	< 1.95	< 1.94			< 1.95	< 1.95	< 1.98			
HFPO-DA	ng/l	NC	NC			< 2.07	< 2.06	< 1.95	< 1.94			< 1.95	< 1.95	< 1.98			
PFDS	ng/l	NC	NC			< 2.07	< 2.06	< 1.95	< 1.94			< 1.95	< 1.95	< 1.98			
PFBS	ng/l	NC	420			4.57	4.54	8.69	27.6			< 1.95	< 1.95	< 1.98			
PFPeS	ng/l	NC	NC			< 2.07	< 2.06	< 1.95	< 1.94			< 1.95	< 1.95	< 1.98			
PFHxS	ng/l	NC	51			2.97 J	3.14 J	18.90	21.2			< 1.95	< 1.95	< 1.98			
PFHpS	ng/l	NC	NC			< 2.07	< 2.06	< 1.95	< 1.94			< 1.95	< 1.95	< 1.98			
PFOS	ng/l	12	16			< 2.07	1.95 J	< 1.95	< 1.94			< 1.95	< 1.95	< 1.98			
PFNS	ng/l	NC	NC			< 2.07	< 2.06	< 1.95	< 1.94			< 1.95	< 1.95	< 1.98			
FOSA	ng/l	NC	NC			< 2.07	< 2.06	< 1.95	< 1.94			< 1.95	< 1.95	< 1.98			
4:2 FTS	ng/l	NC	NC			< 2.07	< 2.06	< 1.95	< 1.94			< 1.95	< 1.95	< 1.98			
6:2 FTS	ng/l	NC	NC			< 2.07	< 2.06	< 1.95	< 1.94			< 1.95	< 1.95	< 1.98			
8:2 FTS	ng/l	NC	NC			< 2.07	< 2.06	< 1.95	< 1.94			< 1.95	< 1.95	< 1.98			
NEtFOSAA	ng/l	NC	NC			< 2.07	< 2.06	< 1.95	< 1.94			< 1.95	< 1.95	< 1.98			
NMeFOSAA	ng/l	NC	NC			< 2.07	< 2.06	< 1.95	< 1.94			< 1.95	< 1.95	< 1.98			
Total PFAS	ng/l	NC	NC			7.54	9.63	45.40	116.78			17.02	8.28	8.69			

Footnotes:
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GSU Quarterly Groundwater Sampling Analytical Results
October 2021
Iosco County, Michigan

		Location Well Screen Interval (bgs) Sample Sample Date Lab Report								RI-MW036 29 - 34 ft				RI-MW036 45 - 46 ft								
		Michigan Part 201 Generic Cleanup Criteria		GW2110131010RF 10/13/2021 2110157								GW2104071035RLF 4/7/2021 2104109		GW2107220915RLF 7/22/2021 2107214		FD2107220915RLF 7/22/2021 2107214		GW2110130925RF 10/13/2021 2110157				
Compound	Unit	Groundwater Surface Water Interface	Residential/Nonresidential Drinking Water	Oct 2019	Jan 2020	Apr 2020	Jul 2020	Oct 2020	Jan 2021	Apr 2021	Jul 2021	Oct 2019	Jan 2020	Apr 2020	Jul 2020	Oct 2020	Jan 2021	Result	Result	Result	Result	
PFBA	ng/l	NC	NC															3.25 J	1.08 J	1.22 J	1.32 J	1.92 J
PFPeA	ng/l	NC	NC															1.16 J	< 1.98	< 1.98	< 2.02	< 1.89
PFHxA	ng/l	NC	400,000															1.88 J	< 1.98	< 1.98	< 2.02	< 1.89
PFHpA	ng/l	NC	NC															< 1.99	< 1.98	< 1.98	< 2.02	< 1.89
PFOA	ng/l	12,000	8															< 1.99	< 1.98	< 1.98	< 2.02	< 1.89
PFNA	ng/l	NC	6															< 1.99	< 1.98	< 1.98	< 2.02	< 1.89
PFDA	ng/l	NC	NC															< 1.99	< 1.98	< 1.98	< 2.02	< 1.89
PFUnDA	ng/l	NC	NC															< 1.99	< 1.98	< 1.98	< 2.02	< 1.89
PFDoDA	ng/l	NC	NC															< 1.99	< 1.98	< 1.98	< 2.02	< 1.89
PFTTrDA	ng/l	NC	NC															< 1.99	< 1.98	< 1.98	< 2.02	< 1.89
PFTeDA	ng/l	NC	NC															< 1.99	< 1.98	< 1.98	< 2.02	< 1.89
11CI-PF3OUdS	ng/l	NC	NC															< 1.99	< 1.98	< 1.98	< 2.02	< 1.89
9CI-PF3ONS	ng/l	NC	NC															< 1.99	< 1.98	< 1.98	< 2.02	< 1.89
ADONA	ng/l	NC	NC															< 1.99	< 1.98	< 1.98	< 2.02	< 1.89
HFPO-DA	ng/l	NC	NC															< 1.99	< 1.98	< 1.98	< 2.02	< 1.89
PFDS	ng/l	NC	NC															< 1.99	< 1.98	< 1.98	< 2.02	< 1.89
PFBS	ng/l	NC	420															2.47 J	3.04 J	3.79 J	3.60 J	4.52
PFPeS	ng/l	NC	NC															< 1.99	< 1.98	< 1.98	< 2.02	< 1.89
PFHxS	ng/l	NC	51															1.64 J	1.26 J	1.99 J	2.97 J	2.09 J
PFHpS	ng/l	NC	NC															< 1.99	< 1.98	< 1.98	< 2.02	< 1.89
PFOS	ng/l	12	16															< 1.99	< 1.98	< 1.98	< 2.02	< 1.89
PFNS	ng/l	NC	NC															< 1.99	< 1.98	< 1.98	< 2.02	< 1.89
FOSA	ng/l	NC	NC															< 1.99	< 1.98	< 1.98	< 2.02	< 1.89
4:2 FTS	ng/l	NC	NC															< 1.99	< 1.98	< 1.98	< 2.02	< 1.89
6:2 FTS	ng/l	NC	NC															< 1.99	< 1.98	1.28 J, Q	< 2.02	< 1.89
8:2 FTS	ng/l	NC	NC															< 1.99	< 1.98	< 1.98	< 2.02	< 1.89
NEtFOSAA	ng/l	NC	NC															< 1.99	< 1.98	< 1.98	< 2.02	< 1.89
NMeFOSAA	ng/l	NC	NC															< 1.99	< 1.98	< 1.98	< 2.02	< 1.89
Total PFAS	ng/l	NC	NC															10.40	5.38	8.28	7.89	8.53

Footnotes:
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