

VERTICAL AQUIFER PROFILE
 PFAS ANALYTICAL RESULTS SUMMARY
 March 2023
 Cherry Capital Airport, Traverse City, Michigan

EGLE Drinking Water Criteria Publish Date December 21, 2020	Sample ID	VAP-007-020	VAP-007-030	VAP-008-030	VAP-008-040	VAP-008-050
	Location	VAP-007	VAP-007	VAP-008	VAP-008	VAP-008
	Bottom Depth (ft-BGS)	20	30	30	40	50
	Bottom Depth (NAVD)	592.1	582.1	583.6	573.6	563.6
	Sample Date	3/1/2023	3/1/2023	3/1/2023	3/1/2023	3/1/2023
- 11CI-PF3OUdS		<2	<2	<2.1	<2.1	<2
- 4:2 Fluorotelomer sulfonate (4:2 FTS)		<2	<2	<2.1	<2.1	<2
- 6:2 Fluorotelomer sulfonate (6:2 FTS)		310	2,200	9.2	2.4	<2
- 8:2 Fluorotelomer sulfonate (8:2 FTS)		2.1	23	<2.1	<2.1	<2
- 9CI-PF3ONS		<2	<2	<2.1	<2.1	<2
- ADONA		<2	<2	<2.1	<2.1	<2
370 HFPO-DA		<2	<2	<2.1	<2.1	<2
- N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)		<4.1	<4	<4.2	<4.1	<4
- N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)		<2	<2	<2.1	<2.1	<2
- Perfluoro-1-heptanesulfonate (PFHpS)		<2	<2	<2.1	<2.1	<2
420 Perfluorobutanesulfonic acid (PFBS)		<2	<2	3.5	5.3	<2
- Perfluorobutanoic acid (PFBA)		13	92	<11	15	19
- Perfluorobutylsulfonamide (PFBSA)		<2	<2	<2.1	<2.1	<2
- Perfluorodecane Sulfonate (PFDS)		<2	<2	<2.1	<2.1	<2
- Perfluorodecanoic acid (PFDA)		<2	2.3	<2.1	<2.1	<2
- Perfluorododecanoic acid (PFDoA)		<2	<2	<2.1	<2.1	<2
- Perfluoroheptanoic acid (PFHpA)		21	140	23	31	32
51 Perfluorohexanesulfonic acid (PFHxS)		<2	<2	29	94	22
- Perfluorohexanesulfonamide (PFHxSA)		<2	<2	<2.1	<2.1	<2
400,000 Perfluorohexanoic acid (PFHxA)		32	260	19	31	43
6 Perfluorononanoic acid (PFNA)		7.6	57	<2.1	<2.1	<2
- Perfluorooctane Sulfonamide (FOSA)		<2	<2	<2.1	<2.1	<2
16 Perfluorooctanesulfonic acid (PFOS)		3.2	5.8	<2.1	<2.1	<2
8 Perfluorooctanoic acid (PFOA)		23	160	15	74	33
- Perfluoropentanesulfonic acid (PFPeS)		<2	<2	2.3	4.7	<2
- Perfluoropentanoic acid (PFPeA)		58.0	470	22	33	80
- Perfluorotetradecanoic acid (PFTeDA)		<4.1	<4	<4.2	<4.1	<4
- Perfluorotridecanoic acid (PFTrDA)		<2	<2	<2.1	<2.1	<2
- Perfluoroundecanoic acid (PFUdA)		<2	<2	<2.1	<2.1	<2
- PFECHS		<2	<2	<2.1	<2.1	<2
- PFNS		<2	<2	<2.1	<2.1	<2

NOTES: The analytes are acronym designations for PFAS (per- and poly- fluoroalkyl substances).
 The analytes are the EGLE-MPART Minimum Analyte List as of February 2022
 Analysis was by ASTM Method D7979-19M
 Grey shaded values are above the laboratory detection limit.
 Yellow highlighted values exceed residential drinking water criteria.
 The detection limit follows the less-than symbol.
 All concentrations presented in µg/L (ppt)
 VAP samples collected using a 5-foot PVC screen moved progressively up the water column to the depths listed.