



MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY



ANALYSIS HOLD TIMES

| ANALYSIS NAME | MATRIX | | | | | | | | | |
|--|--------|---------|-------------|---------|------|-------|-----|-------|---------|-------|
| | Water | | Waste Water | | Soil | | Air | | Product | |
| Organic Analyses | | | | | | | | | | |
| Volatiles-Full List | 14 | Days | 14 | Days | 14 | Days | - | (N/A) | - | (N/A) |
| BTEX/MTBE/TMB | 14 | Days | 14 | Days | 14 | Days | - | (N/A) | - | (N/A) |
| Chlorinated Only | 14 | Days | 14 | Days | 14 | Days | - | (N/A) | - | (N/A) |
| GRO | 14 | Days | 14 | Days | 14 | Days | - | (N/A) | - | (N/A) |
| 1,4 Dioxane | 14 | Days | 14 | Days | 14 | Days | - | (N/A) | - | (N/A) |
| Bottlevac | - | (N/A) | - | (N/A) | - | (N/A) | 30 | Days | - | (N/A) |
| Canister | - | (N/A) | - | (N/A) | - | (N/A) | 30 | Days | - | (N/A) |
| VOA-Methane | 14 | Days | 14 | Days | - | (N/A) | 30 | Days | - | (N/A) |
| Pesticides & PCBs | 7 | Days | 7 | Days | 14 | Days | - | (N/A) | - | (N/A) |
| Pesticides Only | 7 | Days | 7 | Days | 14 | Days | - | (N/A) | - | (N/A) |
| PCBs Only | 1 | Year | 1 | Year | 14 | Days | - | (N/A) | - | (N/A) |
| Toxaphene | 7 | Days | - | (N/A) | 14 | Days | - | (N/A) | - | (N/A) |
| Chlordane | 7 | Days | - | (N/A) | 14 | Days | - | (N/A) | - | (N/A) |
| BNAs | 7 | Days | 7 | Days | 14 | Days | - | (N/A) | - | (N/A) |
| PNAs Only | 7 | Days | - | (N/A) | 14 | Days | - | (N/A) | - | (N/A) |
| BNs Only | 7 | Days | - | (N/A) | 14 | Days | - | (N/A) | - | (N/A) |
| Acids Only | 7 | Days | - | (N/A) | - | (N/A) | - | (N/A) | - | (N/A) |
| Lib Search-Volatiles (Includes Volatiles-Full List) | 14 | Days | 14 | Days | 14 | Days | - | (N/A) | - | (N/A) |
| Lib Search-SemiVols (Includes BNAs) | 7 | Days | - | (N/A) | 14 | Days | - | (N/A) | - | (N/A) |
| Finger Print (Includes BNAs) | 7 | Days | - | (N/A) | 14 | Days | - | (N/A) | - | (N/A) |
| DRO / ORO | 7 | Days | - | (N/A) | 14 | Days | - | (N/A) | - | (N/A) |
| PFAS - Method 1633 (Environmental Water) | 28 | Days | 28 | Days | - | (N/A) | - | (N/A) | - | (N/A) |
| PFAS - Method 8327 (Environmental Water and Soil/Sediment) | 14 | Days | 14 | Days | 28 | Days | - | (N/A) | - | (N/A) |
| PFAS - Method 533 (Investigation-DW ONLY) | 28 | Days | - | (N/A) | - | (N/A) | - | (N/A) | - | (N/A) |
| Inorganic Analyses | | | | | | | | | | |
| | Water | | Waste Water | | Soil | | | | | |
| Ortho Phosphate | 48 | Hours | 48 | Hours | - | (N/A) | - | (N/A) | - | (N/A) |
| Diss O-Phos (Must be Field Filtered) | 48 | Hours | 48 | Hours | - | (N/A) | - | (N/A) | - | (N/A) |
| Nitrite-NO ₂ | 48 | Hours | 48 | Hours | - | (N/A) | - | (N/A) | - | (N/A) |
| Nitrate-NO ₃ (Includes Nitrite and Nitrite+Nitrate) | 48 | Hours | 48 | Hours | - | (N/A) | - | (N/A) | - | (N/A) |
| Suspended Solids | 7 | Days | 7 | Days | - | (N/A) | - | (N/A) | - | (N/A) |
| Diss Solids | 7 | Days | 7 | Days | - | (N/A) | - | (N/A) | - | (N/A) |
| Turbidity | 48 | Hours | 48 | Hours | - | (N/A) | - | (N/A) | - | (N/A) |
| Total Alkalinity | 14 | Days | 14 | Days | - | (N/A) | - | (N/A) | - | (N/A) |
| Bicarb/Carb Alk (Includes Total Alkalinity) | 14 | Days | 14 | Days | - | (N/A) | - | (N/A) | - | (N/A) |
| Chloride-Cl | 28 | Days | 28 | Days | - | (N/A) | - | (N/A) | - | (N/A) |
| Sulfate-SO ₄ | 28 | Days | 28 | Days | - | (N/A) | - | (N/A) | - | (N/A) |
| Diss Cr6+ (Must be Field Filtered) | 24 | Hours | 24 | Hours | - | (N/A) | - | (N/A) | - | (N/A) |
| pH | 15 | Minutes | 15 | Minutes | - | (N/A) | - | (N/A) | - | (N/A) |
| Conductivity | 28 | Days | 28 | Days | - | (N/A) | - | (N/A) | - | (N/A) |
| TDS-Calc | 28 | Days | 28 | Days | - | (N/A) | - | (N/A) | - | (N/A) |
| Total Org Carbon | 28 | Days | 28 | Days | - | (N/A) | - | (N/A) | - | (N/A) |
| Ammonia-NH ₃ | 28 | Days | 28 | Days | - | (N/A) | - | (N/A) | - | (N/A) |
| Nitrate+Nitrite (Must be Field Preserved) | 28 | Days | 28 | Days | - | (N/A) | - | (N/A) | - | (N/A) |
| Kjeldahl Nitrogen | 28 | Days | 28 | Days | - | (N/A) | - | (N/A) | - | (N/A) |
| Total Phosphorus | 28 | Days | 28 | Days | - | (N/A) | - | (N/A) | - | (N/A) |
| Diss Org Carb (Must be Field Filtered) | 28 | Days | 28 | Days | - | (N/A) | - | (N/A) | - | (N/A) |
| Chem Oxyg Dem | 28 | Days | 28 | Days | - | (N/A) | - | (N/A) | - | (N/A) |
| Chlorophyll | 48 | Hours | 48 | Hours | - | (N/A) | - | (N/A) | - | (N/A) |
| Total Cyanide | 14 | Days | 14 | Days | 14 | Days | 14 | Days | 14 | Days |
| Available Cyanide (Equivalent to Amenable Cyanide) | 14 | Days | 14 | Days | 14 | Days | 14 | Days | 14 | Days |

Note that all hold times provided are based on the time elapsed between Sample Date/Time and Extracted or Analyzed Date/Time. Adequate time must be provided between Sample Drop-Off Date/Time and the end of the listed hold time window, otherwise your samples may be subject to Rush surcharges or Data Qualifiers that indicate the samples were analyzed outside of their designated hold times.



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| ANALYSIS NAME | | MATRIX | | | | | |
|---|--|------------------------------|--------|-------------|--------------------|------------------|--------|
| Total Metals Analyses | | Water and Waste Water | | Soil | | Dust Wipe | |
| <small>Dissolved Metals Analyses available for Water and Waste Water when Field Filtered.</small> | | | | | | | |
| OpMemo2 Metals | | 6 | Months | 6 | Months | - | (N/A) |
| <i>OpMemo2 includes Sb,As,Ba,Be,Cd,Cr,Cu,Co,Fe,Pb,Mn,Hg,Mo,Ni,Se,Ag,Tl,V,Zn</i> | | | | | | | |
| Michigan10 Metals | | 6 | Months | 6 | Months | - | (N/A) |
| <i>Michigan10 includes As,Ba,Cd,Cr,Cu,Pb,Hg,Se,Ag,Zn</i> | | | | | | | |
| Aluminum-Al | | 6 | Months | 6 | Months | 6 | Months |
| Antimony-Sb | | 6 | Months | 6 | Months | - | (N/A) |
| Arsenic-As | | 6 | Months | 6 | Months | 6 | Months |
| Barium-Ba | | 6 | Months | 6 | Months | 6 | Months |
| Beryllium-Be | | 6 | Months | 6 | Months | 6 | Months |
| Boron-B | | 6 | Months | - | (N/A) | - | (N/A) |
| Cadmium-Cd | | 6 | Months | 6 | Months | 6 | Months |
| Calcium-Ca | | 6 | Months | 6 | Months | 6 | Months |
| Chromium-Cr | | 6 | Months | 6 | Months | 6 | Months |
| Cobalt-Co | | 6 | Months | 6 | Months | 6 | Months |
| Copper-Cu | | 6 | Months | 6 | Months | 6 | Months |
| Iron-Fe | | 6 | Months | 6 | Months | 6 | Months |
| Lead-Pb | | 6 | Months | 6 | Months | 6 | Months |
| Lithium-Li | | 6 | Months | 6 | Months | 6 | Months |
| Magnesium-Mg | | 6 | Months | 6 | Months | 6 | Months |
| Manganese-Mn | | 6 | Months | 6 | Months | 6 | Months |
| Mercury-Hg | | 28 | Days | 28 | Days | - | (N/A) |
| Molybdenum-Mo | | 6 | Months | 6 | Months | 6 | Months |
| Nickel-Ni | | 6 | Months | 6 | Months | 6 | Months |
| Potassium-K | | 6 | Months | 6 | Months | 6 | Months |
| Selenium-Se | | 6 | Months | 6 | Months | 6 | Months |
| Silver-Ag | | 6 | Months | 6 | Months | 6 | Months |
| Sodium-Na | | 6 | Months | 6 | Months | 6 | Months |
| Strontium-Sr | | 6 | Months | 6 | Months | 6 | Months |
| Thallium-Tl | | 6 | Months | 6 | Months | 6 | Months |
| Titanium-Ti | | 6 | Months | 6 | Months | 6 | Months |
| Uranium-U | | 6 | Months | 6 | Months | 6 | Months |
| Vanadium-V | | 6 | Months | 6 | Months | 6 | Months |
| Zinc-Zn | | 6 | Months | 6 | Months | 6 | Months |
| Hardness (Includes Calcium-Ca and Magnesium-Mg) | | 6 | Months | - | (N/A) | - | (N/A) |
| Low Level Mercury (Total Only) | | 90 | Days | - | (N/A) | - | (N/A) |
| Microbiological Analyses | | Water | | | Waste Water | | |
| NPEC - LOW (E. coli up to 24,196 MPN) | | 6 | Hours | | | - | (N/A) |
| NPEC - High (E. coli up to 241,960 MPN) | | 6 | Hours | | | - | (N/A) |
| NPFC (Fecal coliform up to 24,196 MPN) | | - | (N/A) | | | 6 | Hours |

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