

Organic Chemistry Analyses



Wastewater

Description	EPA Method	Hold Time	Container/Preservative
Oil and Grease	1664A	28 Day	2-1 L Glass, H ₂ SO ₄
Total Petroleum Hydrocarbons	1664A	28 Day	2-1 L Glass, HCl
Organochlorine Pesticides & PCB's	608	7, 40 Day	1-1L Glass
Volatile Organic Compounds (VOCs) by GC/MS	624	14 Day	40 ml Vials – 5 HCl
VOCs by GC/MS w/ 2-CEVE and/or Acrolein and Acrylonitrile	624	3 Days AC/AC; 7 Days 2-CEVE; 14 Days others	40 ml Vials – 5 HCl + 3 Non-preserved
VOCs by GC/MS: 2-CEVE and/or Acrolein and Acrylonitrile ONLY	624	3 Days AC/AC; 7 Days 2-CEVE	40 ml Vials – 3 Non-preserved
Total Trihalomethanes (TTHMs)	624	14 Days	40 ml Vials – 3 HCl
Semi-Volatiles by GC/MS	625	7,40 Days	1-1L Glass, Na ₂ S ₂ O ₃
Phenols or Phthalates	625	7, 40 Days	2-1 L Glass, Na ₂ S ₂ O ₃
Dioxin	1613	6 Month	2-1 L Glass, None
Organophosphorous Pesticides	1657	7, 40 Days	2-1 L Glass, Na ₂ S ₂ O ₃
Organochlorine Pesticides	8081A	7, 40 Days	2-1 L Glass, None
PCBs	8082	7, 40 Days	2-1 L Glass, None
Organochlorine Pesticides and PCBs	8081A/8082	7, 40 Days	2-1 L Glass, None
Chlorinated Herbicides	8151A	7, 40 Days	2-1 L Glass, None
Volatiles by GC/MS (No 2-CEVE)	8260B	14 Days	40 ml Vials – 5 HCl
Volatiles by GC/MS with 2-CEVE and/or Acrolein and Acrylonitrile	8260B	3 Days AC/AC; 7 Days 2-CEVE; 14 Days others	40 ml Vials – 5 HCl + 3 Non-preserved
VOCs by GC/MS: 2-CEVE and/or Acrolein and Acrylonitrile ONLY	8260B	3 Days AC/AC; 7 Days 2-CEVE	40 ml Vials – 3 Non-preserved
Volatiles by GC/MS: BTEX Only	8260B	14 Days	40 ml Vials – 5 HCl
Semi-Volatile Organics by GC/MS	8270C	7, 40 Days	2-1 L Glass, None
Polynuclear Aromatic Hydrocarbons (PAHs)	8270C/8310	7, 40 Days	2-1 L Glass, None
Explosives	8330	7, 40 Days	2-1 L Glass, None

For analyses with two hold times listed, the first applies to the extraction time, the second for the analysis.

For further information on LEGEND's analytical capabilities please [contact us](#).