

IX. Specialty Analyses

ENCO maintains the capability to provide several specialty chromatographic tests that are not routinely performed by most environmental laboratories.

For all Analyses Listed here - Sample using three 40mL vials, HCL preservation. A 14 day holding time from date of sample collection to analysis is applicable. Units are shown in mg/L. **Note:** if CO2 is required, omit the HCl preservation.

Non-Halogenated Volatile Organics by Headspace

SW-846 Method 8015

Parameter:	MDL	MQL
Methanol	0.25	1.0
Ethanol	0.026	0.1
Isopropanol	0.021	0.1
n-Propanol	0.020	0.1
2-Butanone (MEK)	0.026	0.1
Isobutanol	0.030	0.1
n-Butanol	0.014	0.1
4-Methyl-2-pentanone (MIBK)	0.023	0.1

Glycols

SW-846 Method 8015 Direct Aqueous Injection (DAI)

Parameter:	MDL	MQL
Ethylene Glycol	1.4	10
Propylene Glycol	1.4	10

Dissolved Gases

EPA Method RSK175

Parameter:	MDL	MQL
Methane	0.00023	0.001
Ethane	0.00034	0.002
Ethene	0.00045	0.002
Carbon Dioxide (CO2) (See Note)	0.320	2.5

Specialty Analyses – continued

Volatile Fatty Acids
ENCO SOP

Parameter:	MDL	MLQ
Acetic acid	0.06	0.5
Butanoic acid (Butyric acid)	0.1	0.5
Propanoic acid (Propionic acid)	0.1	0.5
Lactic acid	0.05	0.5
Pyruvic acid	0.02	0.5