

TECHNOLOGY LABORATORY, INC.
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Sample Amount, Holding Times & Preservative Requirements

Soil Samples

<u>Analysis</u>	<u>Amount Required</u>	<u>Holding Time</u>	<u>Preservative</u>
BTEX, TPH-GRO (Gasoline)	**	14 days	≤ 6° C
HEM / Oil and Grease	**	28 days	≤ 6° C
Herbicides	1 - 2 oz soil jar	14 days ‡	≤ 6° C
MTBE	**	14 days	≤ 6° C
PAH	**	7 days ‡	≤ 6° C
Paint Filter	**	14 days	≤ 6° C
PCB / Pesticides	1 - 2 oz soil jar	14 days ‡	≤ 6° C
pH	**	7 days	≤ 6° C
RCRA 8 Metals (Total or TCLP or Individual)	**	6 months	≤ 6° C
RIC (Reactivity, Ignitability, Corrosivity)	1 - 2 oz soil jar	14 days	≤ 6° C
Semi-VOC 8270	1 - 2 oz soil jar	14 days ‡	≤ 6° C
TPH-DRO (Diesel)	**	14 days	≤ 6° C
TOX	1 - 2 oz soil jar	14 days	≤ 6° C
VOC 8260 (Total or TCLP)	**	14 days	≤ 6° C

‡ 7 day extraction, 40 days after extraction for analysis

Technology Laboratory requests only **ONE 2 oz. soil jar and can perform many analyses from it. The tests we require an entire jar for are indicated. Please call ahead if you think you may require more containers, have questions, or concerns.

Water Samples

<u>Analysis</u>	<u>Amount Required</u>	<u>Holding Time</u>	<u>Preservative</u>
Alkalinity / Carb / Bicarb	1 - 250ml plastic bottle	14 days	≤ 6° C
Ammonia	1 - 250ml plastic bottle**	28 days	H ₂ SO ₄ (pH <2) / ≤ 6° C
Sulfate, Fluoride, Chloride, Bromide	1 - 250ml plastic bottle	28 days	≤ 6° C
BOD	1 - 250ml plastic bottle	48 hours	≤ 6° C
BTEX, TPH-GRO (Gasoline)	2 - 40ml VOA vials§	14 days	HCl / ≤ 6° C
Chlorine (Total Residual)	1 - Liter (glass)	Immediate	≤ 6° C
COD	1 - 250ml plastic bottle	28 days	H ₂ SO ₄ (pH <2)
Cyanide	1 - 250ml plastic bottle**	14 days	NaOH & Ascorbic Acid (pH 12)
Herbicides	1 - Liter (glass)	7 days‡	≤ 6° C
Hexavalent Chromium	1 - 250ml plastic bottle**	28 days	(NH ₄) ₂ SO ₄ / ≤ 6° C / pH 9.3-9.7
Metals (Dissolved)	1 - 250ml plastic bottle	6 months	Field Filtered / HNO ₃ (pH <2)
Metals (Total)	1 - 250ml plastic bottle	6 months	HNO ₃ (pH <2)
Metals (Potentially Dissolved)	1 - 250ml plastic bottle		≤ 6° C
MTBE	1 - 40ml VOA vial§	14 days	HCl / ≤ 6° C
Nitrate / Nitrite / Phosphate	1 - 250ml plastic bottle**	48 hours	≤ 6° C
Nitrogen (Total Kjeldahl)	1 - 250ml plastic bottle**	28 days	H ₂ SO ₄ (pH <2) / ≤ 6° C
Nitrogen (Total)	1 - 250ml plastic bottle	28 days	H ₂ SO ₄ (pH <2) / ≤ 6° C
Oil and Grease / HEM by EPA-1664	1 - Liter (glass or plastic, 2 if for NPDES)	28 days	HCl or H ₂ SO ₄ (pH <2) / ≤ 6° C
PCB	1 - Liter (glass)	1 year	≤ 6° C
Pesticides	1 - Liter (glass)	7 days‡	≤ 6° C (pH 5-9)
Phosphorus	1 - 250ml plastic bottle**	28 days	H ₂ SO ₄ (pH <2) / ≤ 6° C
RIC (Reactivity, Ignitability, Corrosivity)	1 - 250ml plastic bottle	14 days	≤ 6° C
Semi-VOC 8270 / 625	1 - Liter (glass)	7 days‡	≤ 6° C
Sulfate	1 - 250ml plastic bottle**	28 days	≤ 6° C
Sulfide	1 - 250ml plastic bottle**	7 days	NaOH & Zn Acetate (pH > 9)
TOC	1 - 250ml plastic bottle	28 days	H ₂ SO ₄ (pH <2) / ≤ 6° C
TOX	2 - Liter (glass)	28 days	H ₂ SO ₄ (pH <2) / ≤ 6° C
TPH-DRO (Diesel)	1 - 40ml VOA vial§	14 days	HCl / ≤ 6° C
TSS / TDS	1 - 250ml plastic bottle	7 days	≤ 6° C
VOC 624 / 1624	3 - 40ml VOA vials	14 days	HCl / ≤ 6° C
VOC 8260 (Total or TCLP)	2 - 40ml VOA vials	14 days	HCl / ≤ 6° C

‡ 7 day extraction, 40 days after extraction for analysis

** For any combination of these analytes fewer bottles may be required; please call ahead if you have questions regarding how many containers you require.

§Any combination of BTEX, MTBE, & GRO requires only 2 VOA vials; 3 VOAs are required for the addition of DRO to the latter tests.