

Sampling Procedures

Most samples received by 29 Palms Laboratory will have been taken by the client.

29 Palms Laboratory will provide to the client:

1. Appropriate certified clean sample containers that are traceable by lot to sources
2. Labels
3. Shipping containers
4. Chain-of-Custody forms
5. Method specific sampling instructions that include handling, preservation, and storage procedures

All samples should be handled and preserved in accordance with the method of analysis (See table I).

Samples known to be highly contaminated should be shipped according to DOT regulations for the transport of hazardous materials.

Due to extreme weather conditions in the Coachella Valley where 29 Palms Laboratory is located, all samples requiring preservation should be immediately kept on ice in an ice chest at time of sampling.

Care should be taken to ensure that samples remain on ice during delivery to the laboratory.

TABLE I - CONTAINERS, PRESERVATION TECHNIQUES, AND HOLDING TIMES

EPA METHOD	METHOD NAME	CONTAINER	SAMPLE AMOUNT	PRESERVATION	MAXIMUM HOLDING TIME
100-Series	Physical Properties				
120.1	Conductance	Polyethylene, Glass	100 ml	Cool, 4°C	28 Days
150.1	pH	Polyethylene, Glass	25 ml	None	Analyze Immediately
160.1	Residue, Filterable	Polyethylene, Glass	100 ml	Cool, 4°C	7 Days
200-Series	Total Metals	Polyethylene, Glass	100 ml	HNO ₃ to pH <2	6 Months
300-Series	Non-Metallics				
325.3	Chloride	Polyethylene, Glass	50 ml	None	28 Days
340.1	Fluoride	Polyethylene, Glass	300 ml	None	28 Days
352.1	Nitrate	Polyethylene, Glass	100 ml	Cool, 4°C	48 Hrs.
365.3	Orthophosphate	Polyethylene, Glass	50 ml	Filter on site, Cool, 4°C	48 Hrs.
365.3	Total Phosphate	Polyethylene, Glass	50 ml	Cool, 4°C, H ₂ SO ₄ to pH <2	28 Days
375.4	Sulfate	Polyethylene, Glass	50 ml	Cool, 4°C	28 Days
600-Series	Organics				
608	Organochlorine Pesticides	Amber Glass with Teflon-Lined Caps	1 liter	Cool, 4°C 0.008% Sodium Thiosulfate	Extracted by 7 Days Analyzed by 40 Days
632	Carbamate Pesticides	Amber Glass with Teflon-Lined Caps	1 liter	Cool, 4°C 0.008% Sodium Thiosulfate	Extracted by 7 Days Analyzed by 40 Days
8000-Series	Organics				
8081A	Organochlorine Pesticides	Solid - 8 oz. Glass Liquid - Amber Glass with Teflon-Lined Caps	50 grams 1 liter	Cool, 4°C Cool, 4°C 0.008% Sodium Thiosulfate	14 Days Extracted by 7 Days Analyzed by 40 Days
8141A	Organophosphorus Pesticides	Solid - 8 oz. Glass Liquid - Amber Glass with Teflon-Lined Caps	50 grams 1 liter	Cool, 4°C Cool, 4°C 0.008% Sodium Thiosulfate	14 Days Extracted by 7 Days Analyzed by 40 Days
8318	Carbamate Pesticides	Solid - 8 oz. Glass Liquid - Amber Glass with Teflon-Lined Caps	50 grams 1 liter	Cool, 4°C Cool, 4°C pH to 5-8 with NaOH or H ₂ SO ₄ 0.008% Sodium Thiosulfate pH to 4-5 with 0.1 N Chloroacetic Acid	14 Days Extracted by 7 Days Analyzed by 40 Days