FIELD QUALITY CONTROL SAMPLE RECOMMENDATIONS FOR PUBLISHED RCPs						
ANALYTICAL METHOD[2]	ANALYTICAL GROUP	FIELD DUPLICATE/ MATRIX DUPLICATE[1]	Site-Specific MS/MSD	EQUIPMENT BLANK	FIELD BLANK	TRIP BLANK
		Field quality control samples may be limited to site constituents of concern rather than all analytical groups.				
		Recommended Frequency Requirement is 1 per 20 per matrix for all field quality control samples (✓), unless otherwise specified		One per 20 field samples per type of non-dedicated equiment	Method-specific	One per cooler containing VOC/VPH samples
1633	PFAS	✓	Note[3]	✓	Note[4]	
6010, 6020, 7000/7010, 7196, 7470/7471	Metals	✓	✓ - required for soil, recommended for other matrices	✓		
9010/9012/9014	Cyanide	✓	✓	✓		
8260	Volatile Organics (VOCs)	✓	✓	✓		✓
8270	Semivolatile Organics (SVOCs)	✓	✓	✓		
8081	Pesticides	✓	✓	✓		
8082	PCBs	✓	✓	✓		
8151	Chlorinated Herbicides	✓	✓	✓		
EPH	Extractable Petroleum Hydrocarbons	✓	✓	✓		
VPH	Volatile Petroleum Hydrocarbons	✓	✓	✓		✓
CT ETPH	Extract petroleum Hydrocarbons	✓	✓	✓		
APH	Air-Phase Petroleum Hydrocarbons	✓[1]				
TO-13	PAHs in Air	✓[1]				
TO-15	VOCs in Air (Summa Canisters)	✓[1]				
TO-17	VOCs in Air (sorbent tube)	✓[1]			✓[5]	

Notes:

[1] Collocated duplicate for air samples

[2] All method references are to the latest promulgated version of the method found in "Test Methods for Evaluating Solid Waste, SW-846" or in the CFR (e.g., PFAS).

[3] Site-specific matrix spike/matrix spike duplicate (MS/MSD) analyses are generally not necessary for isotope dilution methods because each sample is fortified with extracted internal standards prior to extraction, effectively providing a sample-specific assessment of recovery and matrix effects.

[4] Field blanks are recommended for aqueous samples where contamination from sampling, handling, preservatives, or containers during handling is a concern.

[5] Cleaned certified cartridges and blank filter/sorbent cartridges shipped with samples are highly recommended for evaluating contamination from media, handling, shipment, and storage.