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COMMENTS: Volatile soil limits ^{are} corrected on the 2 tables.

RED GRCC 1999.

Table E-1. Principal Hazardous Constituents

Parameter	EPA Method ^a SW-846	Description	Containers	Preservative	Holding Time/Days	Liquid Detection Limit (µg/L)	Soil Detection Limit µg/kg)
Volatile Organics							
Ethyl benzene	8260	GC/MS	G Glass	4°C	14	5.0	250.0
Total Xylene	8260	GC/MS	G Glass	4°C	14	5.0	250.0
Semivolatile Organics							
Total Cresol	8270	GC/MS	G Glass	4°C	14	10.0	660.0
Chrysene	8270	GC/MS	G Glass	4°C	14	10.0	660.0
Pyrene	8270	GC/MS	G Glass	4°C	14	10.0	660.0
Phenanthrene	8270	GC/MS	G Glass	4°C	14	10.0	660.0
Benzo(a) Pyrene	8270	GC/MS	G Glass	4°C	14	10.0	660.0
2-methylnaphthalene	8270	GC/MS	G Glass	4°C	14	10.0	660.0
Metals							
Chromium	6010	ICP-AES	Plastic	4°C ^c	180	7.0	^b
Lead	6010	ICP-AES	Plastic	4°C ^c	180	42.0	^b
	7471	CVAA	Plastic	4°C ^c	28	0.2	0.2

^aLatest edition.

^bDetection limits for soil samples are dependent on matrices and individual instrument performance.

^cSoil detection limits for volatile organics 50 times liquid detection limit.

^dField acidified to pH < 2 with HNO₃; applicable to liquid samples only.

µg/L = microgram per liter
 µg/kg = microgram per kilogram
 CVAA = cold vapor atomic absorption
 ICP-AES = inductively coupled plasma - atomic emission spectroscopy
 Plastic = teflon or polyethylene

Table E-2A. Modified Skinner List 8260 Volatile Organics

Parameter	EPA Method SW-846	Description	Containers	Preservative	Holding Time/Days	Liquid Detection Limit (µg/L)	Soil Detection Limit (µg/kg) ^c
Benzene	8260	GC/MS	G Glass	4°C	14	5.0	250
2-Butanone (MEK)	8260	GC/MS	G Glass	4°C	14	100.0	5000
Carbon Disulfide	8260	GC/MS	G Glass	4°C	14	100.0	5000
Chlorobenzene	8260	GC/MS	G Glass	4°C	14	5.0	250
Chloroform	8260	GC/MS	G Glass	4°C	14	5.0	250
Chloromethane	8260	GC/MS	G Glass	4°C	14	10.0	500
1,1 Dichloroethane	8260	GC/MS	G Glass	4°C	14	5.0	250
1,2 Dichloroethane	8260	GC/MS	G Glass	4°C	14	5.0	250
1,1 Dichloroethene	8260	GC/MS	G Glass	4°C	14	5.0	250
trans-1,2-Dichloroethene	8260	GC/MS	G Glass	4°C	14	5.0	250
1,4-Dioxane	8260	GC/MS	G Glass	4°C	14	^a	^a
Ethylbenzene	8260	GC/MS	G Glass	4°C	14	5.0	250
Methylene Chloride	8260	GC/MS	G Glass	4°C	14	5.0	250
Styrene	8260	GC/MS	G Glass	4°C	14	5.0	250
1,1,2,2-Tetrachloroethane ^b	8260	GC/MS	G Glass	4°C	14	5.0	250
Tetrachloroethene ^b	8260	GC/MS	G Glass	4°C	14	5.0	250
Toluene	8260	GC/MS	G Glass	4°C	14	5.0	250
1,1,1-Trichloroethane	8260	GC/MS	G Glass	4°C	14	5.0	250
Trichloroethene	8260	GC/MS	G Glass	4°C	14	5.0	250
Xylene	8260	GC/MS	G Glass	4°C	14	5.0	250
Ethylene Dibromide ^b	8260	GC/MS	G Glass	4°C	14	5.0	250
Acetone	8260	GC/MS	G Glass	4°C	14	100.0	5000

^aSW-846 detection limits not established.^bAdditional constituents.^cSoil detection limits 50 times liquid detection limit.