

## SAMPLE CONTAINERS, PRESERVATION AND HOLDING TIMES

Parameter	Method	Matrix	Minimum Sample Volume	Container	Preservation	Maximum Holding Time
<b>Organic Analysis</b>						
Diesel Range Organics (Extractable TPH)	8015M NWTPH-Dx AK102	Water	500 mL	500 mL glass	*Cool, 4°C	*7 days to extract, 40 days after extr.
	8015M NWTPH-Dx AK102/103	Soil	50 grams	4 oz glass	Cool, 4°C	14 days to extract, 40 days after extr.
Gasoline Range Organics (Purgable TPH)	8015M NWTPH-Gx AK101	Water	40 mL	40 mL VOA	Cool, 4°C, HCl to pH<2, no headspace	14 days
	8015M NWTPH-Gx	Soil	20 grams	4 oz glass	Cool, 4°C	14 days
	AK101	Soil	app. 50 g	4 oz glass septum top	Methanol	28 days
HCID	NWTPH-HCID	Water	500 mL	500 mL glass	Cool, 4°C	7 days to extract, 40 days after extr.
		Soil	50 grams	4 oz glass	Cool, 4°C	14 days
Oil and Grease	1664	Water	1 Liter	1 L glass	Cool, 4°C, H <sub>2</sub> SO <sub>4</sub> to pH<2	28 days
PCBs	8082	Water	1 Liter	1 L glass	Cool, 4°C	7 days to extract, 40 days after extr.
	8082	Soil	50 grams	4 oz glass	Cool, 4°C	14 days to extract, 40 days after extr.
PNAs (PAHs)	8270C or 8270C SIM	Water	500 mL	500 mL glass	Cool, 4°C	7 days to extract, 40 days after extr.
	8270C or 8270C SIM	Soil	50 grams	4 oz glass	Cool, 4°C	14 days to extract, 40 days after extr.
Purgable Aromatic Hydrocarbons (BTEX, MTBE)	8021B or AK101	Water	40 mL	40 mL VOA	Cool, 4°C, HCl to pH<2, no headspace	14 days
	8021B	Soil	20 grams	4 oz glass	Cool, 4°C,	14 days
	AK101	Soil	app. 50 g	4 oz glass septum top	Methanol	28 days
Semivolatile Organic Compounds (SVOCs, BNAs)	8270C	Water	1 Liter	1 L glass	Cool, 4°C	7 days to extract, 40 days after extr.
	8270C	Soil	50 grams	4 oz glass	Cool, 4°C	14 days to extract, 40 days after extr.
Volatile Organic Compounds (VOCs)	8260B	Water	40 mL	40 mL VOA	Cool, 4°C, HCl to pH<2, no headspace	14 days
	8260B	Soil	20 grams	4 oz glass	Cool, 4°C	14 days

\* For NWTPH-Dx and AK102 methods, if preserved with HCl or H<sub>2</sub>SO<sub>4</sub> to pH<2, holding time is 14 days to extract.

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<b>Inorganic Analysis</b>						
Alkalinity	SM2320B	Water	100 mL	500 mL poly	Cool, 4°C	14 days
BOD	405.1	Water	1 Liter	1 L glass	Cool, 4°C	48 hours
Chloride	300.0	Water	100 mL	500 mL poly	Cool, 4°C	28 days
COD	410.4	Water	100 mL	500 mL poly	H <sub>2</sub> SO <sub>4</sub> to pH<2	28 days
Conductivity	120.1	Water	100 mL	500 mL poly	Cool, 4°C	28 days
Cyanide, total	335.2	Water	1 Liter	1 L glass	NaOH to pH 12	14 days
Fluoride	300.0	Water	100 mL	500 mL poly	Cool, 4°C	28 days
Hardness	SM2340B	Water	100 mL	500 mL poly	HNO <sub>3</sub> to pH,<2	6 months
Nitrate	300.0	Water	100 mL	500 mL poly	Cool, 4°C	48 hours
Nitrite	300.0	Water	100 mL	500 mL poly	Cool, 4°C	48 hours
Nitrate-Nitrite	353.2	Water	100 mL	500 mL poly	Cool, 4°C, H <sub>2</sub> SO <sub>4</sub> to pH<2	28 days
pH	9040/150.1	Water	20 mL	500 mL poly	none	24 hours
	9045	Soil	20 grams	4 oz glass	none	28 days
Phosphorus, total	365.2	Water	100 mL	500 mL poly	Cool, 4°C, H <sub>2</sub> SO <sub>4</sub> to pH<2	28 days
Sulfate	300.0	Water	100 mL	500 mL poly	Cool, 4°C	28 days
Sulfide	376.2	Water	500 mL	500 mL poly	Cool, 4°C ZnAcetate plus NaOH to pH>9	7 days
Sulfite	377.1	Water	100 mL	500 mL poly	none	24 hours
Total Dissolved Solids (TDS)	SM2540C/ 160.1	Water	500 mL	500 mL poly	Cool, 4°C	7 days
Total Organic Carbon (TOC)	415.1/ 9060M	Water	100 mL	500 mL poly	H <sub>2</sub> SO <sub>4</sub> to pH<2	28 days
Total Suspended Solids (TSS)	SM2540D	Water	250 mL	500 mL poly	Cool, 4°C	7 days
Turbidity	SM2130B	Water	20 mL	500 mL poly	Cool, 4°C	48 hours
<b>Metals Analysis</b>						
Metals (except Cr VI and Mercury)	6010B or 6020/200.8	Water	200 mL	500 mL poly	HNO <sub>3</sub> to pH<2	6 months
	6010B or 6020/200.8	Soil	20 grams	4 oz glass	Cool, 4°C	6 months
Chromium VI	7196A	Water	100 mL	500 mL poly	Cool, 4°C	24 hours
	7195	Soil	20 grams	4 oz glass	Cool, 4°C	28 days
Mercury	7040	Water	100 mL	500 mL poly	HNO <sub>3</sub> to pH<2	28 days
	7041	Soil	20 grams	4 oz glass	Cool, 4°C	28 days