

## Wisconsin Department of Natural Resources Laboratory Certification Program

Approved Proficiency Testing Samples for the Aqueous Matrix *(Effective December 1, 2008)*

The following proficiency testing samples are required for all applications and annual renewal for WDNR certification or registration. These PTs must be from a Water Pollution (WP) study. Laboratories that are certified in the aqueous matrix must submit one acceptable PT result, where required, for each analytical technique/analyte combination. If a laboratory maintains certification or registration for the same analyte but multiple analytical techniques, they must analyze the PT by each technique, but can use the same PT sample for each analytical technique. PT samples for each analytical technique/analyte combination in the solid matrix are not required at this time. There are no PT requirements for certification in the Waste Characterization Assays and Extractions analytical technique.

Each table indicates the PT in which the analyte is contained. Organic analytes are abbreviated as follows: ACID (Acid Extractables), B/N (Base/Neutral Extractables), CARB (N-Methyl Carbamates and Thiourea Pesticides), EXPLO (Explosive Residues), HERB (Acid Herbicides), PAH (Polynuclear Aromatic Hydrocarbons), PCB (PCBs as Aroclors), PCDD/DF (Polychlorinated Dibenzo-Dioxins and Furans), PEST-NT (Nitrogen and Triazine Pesticides), PEST-OC (Organochlorine Pesticides), PEST-OP (Organophosphorus Pesticides), UST (Petroleum Hydrocarbons), VOL- AR (Aromatic VOCs), and VOL- HC (Halocarbon VOCs). Please note that the Wisconsin State Laboratory of Hygiene Proficiency Testing Program does not offer organic PTs.

**TABLE 15  
GAS CHROMATOGRAPHY**

Analytical Technique	Class	Analyte	PT	Req'd	Absolute	ERA	NSI	NYDoH	RTC	Wibby
Gas Chromatography										
	BNAs, Aldehydes and Ketones									
	None Required		NA	No	-N-	-N-	-N-	-N-	-N-	-N-
	BNAs, Benzidines									
	Benzidine		B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
	3,3'-Dichlorobenzidine		B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
	BNAs, Chlorinated Hydrocarbons									
	1,2-Dichlorobenzene		B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
	1,3-Dichlorobenzene		B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
	1,4-Dichlorobenzene		B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
	Hexachlorobenzene		B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
	Hexachlorobutadiene		B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
	Hexachlorocyclopentadiene		B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
	Hexachloroethane		B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
	1,2,4-Trichlorobenzene		B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
	1,2,4,5-Tetrachlorobenzene		B/N	Yes	-Y-	-Y-	-N-	-Y-	-Y-	-Y-

Required Proficiency Testing Samples for GC and GC/MS Analytes

Analytical Technique	Class	Analyte	PT	Req'd	Absolute	ERA	NSI	NYDoH	RTC	Wibby
Gas Chromatography										
BNAs, Explosive Residues										
		1,3-Dinitrobenzene	EXPLO	Yes	-Y-	-Y-	-Y-	-N-	-Y-	-Y-
		2,4-Dinitrotoluene	EXPLO	Yes	-Y-	-Y-	-Y-	-N-	-Y-	-Y-
		2,6-Dinitrotoluene	EXPLO	Yes	-Y-	-Y-	-Y-	-N-	-Y-	-Y-
		Nitrobenzene	EXPLO	Yes	-Y-	-Y-	-Y-	-N-	-Y-	-Y-
		1,3,5-Trinitrobenzene	EXPLO	Yes	-Y-	-Y-	-Y-	-N-	-Y-	-Y-
BNAs, Haloethers										
		Bis(2-chloroethoxy)methane	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Bis(2-chloroethyl) ether	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Bis(2-chloroisopropyl) ether	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		4-Bromophenyl phenyl ether	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
BNAs, Nitroaromatics and Cyclic Ketones										
		Isophorone	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
BNAs, Nitrosamines										
		N-Nitrosodi-n-butylamine	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		N-Nitrosodiethylamine	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		N-Nitrosodimethylamine	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		N-Nitrosodiphenylamine	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		N-Nitrosodipropylamine	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		N-Nitrosodi-n-propylamine	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
BNAs, Nonhalogenated Organics										
		Pyridine	B/N	Yes	-Y-	-Y-	-Y-	-N-	-Y-	-Y-
BNAs, Phenols										
		2-Chlorophenol	ACID	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		2,4-Dichlorophenol	ACID	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		2,6-Dichlorophenol	ACID	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		2,4-Dimethylphenol	ACID	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		2,4-Dinitrophenol	ACID	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		2-Methylphenol (o-Cresol)	ACID	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-

Required Proficiency Testing Samples for GC and GC/MS Analytes

Analytical Technique	Class	Analyte	PT	Req'd	Absolute	ERA	NSI	NYDoH	RTC	Wibby
Gas Chromatography										
		3-Methylphenol (m-Cresol)	ACID	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		4-Methylphenol (p-Cresol)	ACID	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		2-Nitrophenol	ACID	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		4-Nitrophenol	ACID	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Pentachlorophenol	ACID	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Phenol	ACID	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		2,3,4,6-Tetrachlorophenol	ACID	Yes	-Y-	-Y-	-Y-	-N-	-Y-	-Y-
		2,4,5-Trichlorophenol	ACID	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		2,4,6-Trichlorophenol	ACID	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
BNAs, Phthalate Esters										
		Benzyl Butyl Phthalate	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Bis(2-ethylhexyl)phthalate	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Di-n-butyl Phthalate	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Diethyl Phthalate	B/N	Yes	-Y-	-Y-	-N-	-Y-	-Y-	-Y-
		Dimethyl Phthalate	B/N	Yes	-Y-	-Y-	-N-	-Y-	-Y-	-Y-
		Di-n-octyl Phthalate	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
Pesticides, Acid Herbicides										
		2,4-D	HERB	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Dalapon	HERB	Yes	-Y-	-Y-	-Y-	-N-	-Y-	-Y-
		Dinoseb	HERB	Yes	-Y-	-Y-	-Y-	-N-	-Y-	-Y-
		2,4,5-T	HERB	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		2,4,5-TP (Silvex)	HERB	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
Pesticides, N-Methyl Carbamates and Substituted Ureas										
		None Required	NA	No	-N-	-N-	-N-	-N-	-N-	-N-
Pesticides, Nitrogen										
		Alachlor	PEST- NT	Yes	-N-	-Y-	-Y-	-N-	-Y-	-Y-
		Bromacil Salts and Esters	PEST- NT	Yes	-N-	-Y-	-Y-	-N-	-Y-	-Y-
		Metribuzin	PEST- NT	Yes	-N-	-Y-	-Y-	-N-	-Y-	-Y-
		Propachlor	PEST- NT	Yes	-N-	-Y-	-Y-	-N-	-Y-	-Y-

Required Proficiency Testing Samples for GC and GC/MS Analytes

Analytical Technique	Class	Analyte	PT	Req'd	Absolute	ERA	NSI	NYDoH	RTC	Wibby
Gas Chromatography										
		Trifluralin	PEST- NT	Yes	-N-	-Y-	-Y-	-N-	-Y-	-Y-
Pesticides, Not Otherwise Specified										
		None Required	NA	No	-N-	-N-	-N-	-N-	-N-	-N-
Pesticides, Organochlorine										
		<i>Organochlorine Pests Analyte Group</i>	PEST- OC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Aldrin	PEST- OC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		$\alpha$ -BHC	PEST- OC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		$\beta$ -BHC	PEST- OC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		$\delta$ -BHC	PEST- OC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		$\delta$ -BHC (Lindane)	PEST- OC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Chlordane	PEST- OC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		4,4'-DDD	PEST- OC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		4,4'-DDE	PEST- OC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		4,4'-DDT	PEST- OC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Dieldrin	PEST- OC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Endosulfan I	PEST- OC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Endosulfan II	PEST- OC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Endosulfan Sulfate	PEST- OC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Endrin	PEST- OC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Endrin Aldehyde	PEST- OC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Heptachlor	PEST- OC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Heptachlor Epoxide	PEST- OC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Methoxychlor	PEST- OC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Toxaphene	PEST- OC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
Pesticides, Organophosphorus										
		Azinphos Methyl	PEST- OP	Yes	-Y-	-Y-	-Y-	-N-	-Y-	-Y-
		Diazinon	PEST- OP	Yes	-Y-	-Y-	-Y-	-N-	-Y-	-Y-
		Disulfoton	PEST- OP	Yes	-Y-	-Y-	-Y-	-N-	-Y-	-Y-
		Famphur	PEST- OP	Yes	-N-	-Y-	-N-	-N-	-Y-	-Y-

Required Proficiency Testing Samples for GC and GC/MS Analytes

Analytical Technique	Class	Analyte	PT	Req'd	Absolute	ERA	NSI	NYDoH	RTC	Wibby
Gas Chromatography										
		Malathion	PEST- OP	Yes	-Y-	-Y-	-Y-	-N-	-Y-	-Y-
		Parathion (Parathion Ethyl)	PEST- OP	Yes	-Y-	-Y-	-Y-	-N-	-Y-	-Y-
Pesticides, Triazines										
		Atrazine	PEST- NT	Yes	-Y-	-Y-	-Y-	-N-	-Y-	-Y-
		Deisopropylatrazine	PEST- NT	Yes	-N-	-Y-	-N-	-N-	-Y-	-Y-
		Diaminoatrazine	PEST- NT	Yes	-N-	-N-	-N-	-N-	-Y-	-Y-
		Prometon	PEST- NT	Yes	-N-	-Y-	-Y-	-N-	-Y-	-Y-
		Propazine	PEST- NT	Yes	-Y-	-N-	-N-	-N-	-Y-	-Y-
		Simazine	PEST- NT	Yes	-Y-	-N-	-Y-	-N-	-Y-	-Y-
Petroleum Hydrocarbons										
		Diesel Range Organics (DRO)	UST	Yes	-N-	-Y-	-N-	-N-	-Y-	-Y-
		Gasoline Range Organics (GRO)	UST	Yes	-N-	-Y-	-N-	-N-	-Y-	-Y-
		<i>Petroleum VOCS</i>	UST	Yes	-N-	-Y-	-N-	-N-	-Y-	-Y-
Polychlorinated Biphenyl Congeners										
		<i>PCB Congeners Analyte Group</i>	NA	No	-N-	-N-	-N-	-N-	-N-	-N-
Polychlorinated Biphenyls as Aroclors										
		<i>PCB as Aroclors Analyte Group</i>	PCB	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
Polynuclear Aromatic Hydrocarbons										
		<i>PAHs Analyte Group</i>	PAH	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Acenaphthene	PAH	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Acenaphthylene	PAH	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Anthracene	PAH	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Benzo(a)anthracene	PAH	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Benzo(a)pyrene	PAH	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Benzo(b)fluoranthene	PAH	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Benzo(g,h,i)perylene	PAH	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Benzo(k)fluoranthene	PAH	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Chrysene	PAH	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Dibenzo(a,h)anthracene	PAH	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-

Required Proficiency Testing Samples for GC and GC/MS Analytes

Analytical Technique	Class	Analyte	PT	Req'd	Absolute	ERA	NSI	NYDoH	RTC	Wibby
Gas Chromatography										
		Fluoranthene	PAH	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Fluorene	PAH	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Indeno(1,2,3-cd)pyrene	PAH	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Naphthalene	PAH	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Phenanthrene	PAH	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Pyrene	PAH	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
Volatile Organic Compounds										
		<i>VOCs Analyte Group</i>	VOC- AR + HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Acetonitrile	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Acrolein	VOL- HC	Yes	-Y-	-Y-	-Y-	-N-	-Y-	-Y-
		Acrylonitrile	VOL- HC	Yes	-Y-	-Y-	-Y-	-N-	-Y-	-Y-
		Benzene	VOL- AR	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Bromodichloromethane	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Bromoform	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Bromomethane	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		2-Butanone (MEK)	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Carbon Disulfide	VOL- HC	Yes	-Y-	-Y-	-Y-	-N-	-Y-	-Y-
		Carbon Tetrachloride	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Chlorobenzene	VOL- AR	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Chloroethane	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Chloroform	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Chloromethane	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Dibromochloromethane	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		1,2-Dibromo-3-chloropropane (DBCP)	VOL- HC	Yes	-Y-	-Y-	-N-	-N-	-Y-	-Y-
		1,2-Dibromomethane (EDB)	VOL- HC	Yes	-Y-	-Y-	-N-	-N-	-Y-	-Y-
		Dibromomethane	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		1,2-Dichlorobenzene	VOL- AR	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		1,3-Dichlorobenzene	VOL- AR	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		1,4-Dichlorobenzene	VOL- AR	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-

Required Proficiency Testing Samples for GC and GC/MS Analytes

Analytical Technique	Class	Analyte	PT	Req'd	Absolute	ERA	NSI	NYDoH	RTC	Wibby
Gas Chromatography										
		Dichlorodifluoromethane	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		1,1-Dichloroethane	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		1,2-Dichloroethane	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		1,1-Dichloroethene	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		cis-1,2-Dichloroethene	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		trans-1,2-Dichloroethene	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		1,2-Dichloropropane	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		cis-1,3-Dichloropropene	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		trans-1,3-Dichloropropene	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Ethylbenzene	VOL- AR	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Hexachlorobutadiene	VOL-HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		2-Hexanone	VOL-HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Methyl tert-Butyl Ether (MtBE)	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Methylene Chloride	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		4-Methyl-2-pentanone (MIBK)	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Naphthalene	VOL-AR	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Pyridine	VOL- HC	Yes	-Y-	-Y-	-Y-	-N-	-Y-	-Y-
		Styrene	VOL- AR	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		1,1,1,2-Tetrachloroethane	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		1,1,2,2-Tetrachloroethane	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Tetrachloroethene	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Toluene	VOL- AR	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		1,2,4-Trichlorobenzene	VOL- AR	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		1,1,1-Trichloroethane	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		1,1,2-Trichloroethane	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Trichloroethene	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Trichlorofluoromethane	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		1,2,3-Trichloropropane	VOL- HC	Yes	-Y-	-Y-	-N-	-N-	-Y-	-Y-
		m-Xylene	VOL- AR	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-

Required Proficiency Testing Samples for GC and GC/MS Analytes

Analytical Technique	Class	Analyte	PT	Req'd	Absolute	ERA	NSI	NYDoH	RTC	Wibby
Gas Chromatography										
		o-Xylene	VOL- AR	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		p-Xylene	VOL- AR	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Vinyl Acetate	VOL- HC	Yes	-Y-	-N-	-Y-	-Y-	-Y-	-Y-
		Vinyl Chloride	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-

TABLE 16  
GAS CHROMATOGRAPHY-MASS SPECTROMETRY

Analytical Technique	Class	Analyte	PT	Req'd	Absolute	ERA	NSI	NYDoH	RTC	Wibby
Gas Chromatography/Mass Spectrometry										
		<i>BNA Semivolatiles Analyte Group</i>	B/N + ACID	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
	BNAs, Benzidines									
		Benzidine	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		3,3'-Dichlorobenzidine	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
	BNAs, Chlorinated Hydrocarbons									
		1-Chloronaphthalene	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		2-Chloronaphthalene	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		1,2-Dichlorobenzene	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		1,3-Dichlorobenzene	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		1,4-Dichlorobenzene	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Hexachlorobenzene	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Hexachlorobutadiene	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Hexachlorocyclopentadiene	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Hexachloroethane	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Hexachloropropene	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		1,2,4,5-Tetrachlorobenzene	B/N	Yes	-Y-	-Y-	-N-	-Y-	-Y-	-Y-
		1,2,4-Trichlorobenzene	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
	BNAs, Explosive Residues									
		1,3-Dinitrobenzene	EXPLO	Yes	-Y-	-Y-	-Y-	-N-	-Y-	-Y-
		2,4-Dinitrotoluene	EXPLO	Yes	-Y-	-Y-	-Y-	-N-	-Y-	-Y-

Required Proficiency Testing Samples for GC and GC/MS Analytes

Analytical Technique	Class	Analyte	PT	Req'd	Absolute	ERA	NSI	NYDoH	RTC	Wibby
Gas Chromatography/Mass Spectrometry										
		2,6-Dinitrotoluene	EXPLO	Yes	-Y-	-Y-	-Y-	-N-	-Y-	-Y-
		Nitrobenzene	EXPLO	Yes	-Y-	-Y-	-Y-	-N-	-Y-	-Y-
		2-Nitrotoluene	EXPLO	Yes	-Y-	-Y-	-Y-	-N-	-Y-	-Y-
		3-Nitrotoluene	EXPLO	Yes	-Y-	-Y-	-Y-	-N-	-Y-	-Y-
		4-Nitrotoluene	EXPLO	Yes	-Y-	-Y-	-Y-	-N-	-Y-	-Y-
		1,3,5-Trinitrobenzene	EXPLO	Yes	-Y-	-Y-	-Y-	-N-	-Y-	-Y-
BNAs, Haloethers										
		Bis(2-chloroethoxy)methane	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Bis(2-chloroethyl)ether	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Bis(2-chloroethyl)sulfide	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Bis(2-chloroisopropyl)ether	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		4-Chlorophenyl Phenyl Ether	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
BNAs, Nitroaromatics and Cyclic Ketones										
		4-Chloroaniline	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		2-Naphthylamine	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Isophorone	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		2-Nitroaniline	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		3-Nitroaniline	B/N	Yes	-Y-	-Y-	-N-	-Y-	-Y-	-Y-
		4-Nitroaniline	B/N	Yes	-Y-	-Y-	-N-	-N-	-N-	-Y-
		2,4,5-Trimethylaniline	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
BNAs, Nitrosamines										
		N-Nitrosodi-n-butylamine	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		N-Nitrosodiethylamine	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		N-Nitrosodimethylamine	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		N-Nitrosodiphenylamine	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		N-Nitrosodipropylamine	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
BNAs, Nonhalogenated Organics										
		Aniline	B/N	Yes	-Y-	-Y-	-N-	-Y-	-Y-	-Y-
		Benzoic Acid	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-

Required Proficiency Testing Samples for GC and GC/MS Analytes

Analytical Technique	Class	Analyte	PT	Req'd	Absolute	ERA	NSI	NYDoH	RTC	Wibby
Gas Chromatography/Mass Spectrometry										
		Benzyl Alcohol	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Carbazole	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Dibenzofuran	B/N	Yes	-Y-	-Y-	-N-	-Y-	-Y-	-Y-
		Pyridine	B/N	Yes	-Y-	-Y-	-Y-	-N-	-Y-	-Y-
BNAs, Phenols										
		2-Chlorophenol	ACID	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		2,4-Dichlorophenol	ACID	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		2,6-Dichlorophenol	ACID	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		2,4-Dimethylphenol	ACID	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		2,4-Dinitrophenol	ACID	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		2-Methylphenol (o-Cresol)	ACID	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		3-Methylphenol (m-Cresol)	ACID	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		4-Methylphenol (p-Cresol)	ACID	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		2-Nitrophenol	ACID	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		4-Nitrophenol	ACID	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Pentachlorophenol	ACID	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Phenol	ACID	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		2,3,4,6-Tetrachlorophenol	ACID	Yes	-Y-	-Y-	-N-	-Y-	-Y-	-Y-
		2,4,5-Trichlorophenol	ACID	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		2,4,6-Trichlorophenol	ACID	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
BNAs, Phthalate Esters										
		Benzyl Butyl Phthalate	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Bis(2-ethylhexyl)phthalate	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Di-n-butyl Phthalate	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Diethyl Phthalate	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Dimethyl Phthalate	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Di-n-octyl Phthalate	B/N	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
Pesticides, N-Methyl Carbamates and Substituted Ureas										
		None Required	NA	No	-N-	-N-	-N-	-N-	-N-	-N-

Required Proficiency Testing Samples for GC and GC/MS Analytes

Analytical Technique	Class	Analyte	PT	Req'd	Absolute	ERA	NSI	NYDoH	RTC	Wibby
Gas Chromatography/Mass Spectrometry										
Pesticides, Nitrogen										
		Alachlor	PEST- NT	Yes	-Y-	-Y-	-Y-	-N-	-Y-	-Y-
		Bromacil Salts and Esters	PEST- NT	Yes	-N-	-Y-	-Y-	-N-	-Y-	-Y-
		Metribuzin	PEST- NT	Yes	-Y-	-Y-	-Y-	-N-	-Y-	-Y-
		Propachlor	PEST- NT	Yes	-N-	-Y-	-Y-	-N-	-Y-	-Y-
		Trifluralin	PEST- NT	Yes	-N-	-Y-	-Y-	-N-	-Y-	-Y-
Pesticides, Not Otherwise Specified										
		None Required	NA	No	-N-	-N-	-N-	-N-	-N-	-N-
Pesticides, Organochlorine										
		<i>Organochlorine Pests Analyte Group</i>	PEST- OC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Aldrin	PEST- OC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		α-BHC	PEST- OC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		β-BHC	PEST- OC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		δ-BHC	PEST- OC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		γ-BHC (Lindane)	PEST- OC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Chlordane	PEST- OC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		4,4'-DDD	PEST- OC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		4,4'-DDE	PEST- OC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		4,4'-DDT	PEST- OC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Dieldrin	PEST- OC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Endosulfan I	PEST- OC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Endosulfan II	PEST- OC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Endosulfan Sulfate	PEST- OC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Endrin	PEST- OC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Endrin Aldehyde	PEST- OC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Endrin Ketone	PEST- OC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Heptachlor	PEST- OC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Heptachlor Epoxide	PEST- OC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Methoxychlor	PEST- OC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-

Required Proficiency Testing Samples for GC and GC/MS Analytes

Analytical Technique	Class	Analyte	PT	Req'd	Absolute	ERA	NSI	NYDoH	RTC	Wibby
Gas Chromatography/Mass Spectrometry										
		Toxaphene	PEST- OC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
	Pesticides, Organophosphorus									
		Azinphos Methyl	PEST- OP	Yes	-Y-	-Y-	-Y-	-N-	-Y-	-Y-
		Diazinon	PEST- OP	Yes	-Y-	-Y-	-Y-	-N-	-Y-	-Y-
		Disulfoton	PEST- OP	Yes	-Y-	-Y-	-Y-	-N-	-Y-	-Y-
		Famphur	PEST- OP	Yes	-N-	-Y-	-N-	-N-	-Y-	-Y-
		Malathion	PEST- OP	Yes	-Y-	-Y-	-Y-	-N-	-Y-	-Y-
		Parathion (Parathion Ethyl)	PEST- OP	Yes	-Y-	-Y-	-Y-	-N-	-Y-	-Y-
	Pesticides, Triazines									
		Atrazine	PEST- NT	Yes	-Y-	-Y-	-Y-	-N-	-Y-	-Y-
		Deisopropylatrazine	PEST- NT	Yes	-N-	-Y-	-N-	-N-	-Y-	-Y-
		Diaminoatrazine	PEST- NT	Yes	-N-	-N-	-N-	-N-	-Y-	-Y-
		Prometon	PEST- NT	Yes	-N-	-Y-	-Y-	-N-	-Y-	-Y-
		Propazine	PEST- NT	Yes	-Y-	-N-	-N-	-N-	-Y-	-Y-
		Simazine	PEST- NT	Yes	-Y-	-N-	-Y-	-N-	-Y-	-Y-
	Petroleum Hydrocarbons									
		<i>Petroleum VOCs</i>	UST	Yes	-N-	-Y-	-N-	-N-	-Y-	-Y-
	Polychlorinated Biphenyl Congeners									
		<i>PCB Congeners Analyte Group</i>	NA	No	-N-	-N-	-N-	-N-	-N-	-N-
	Polychlorinated Dibenzo-p-Dioxins and Furans									
		<i>PCDD/PCDF Analyte Group</i>	PCDD/DF	Yes	-Y-	-N-	-N-	-N-	-Y-	-N-
	Polychlorinated Biphenyls as Aroclors									
		<i>PCBs as Aroclors Analyte Group</i>	PCB	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
	Polynuclear Aromatic Hydrocarbons									
		<i>PAHs Analyte Group</i>	PAH	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Acenaphthene	PAH	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Acenaphthylene	PAH	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Anthracene	PAH	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Benzo(a)anthracene	PAH	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-

Required Proficiency Testing Samples for GC and GC/MS Analytes

Analytical Technique	Class	Analyte	PT	Req'd	Absolute	ERA	NSI	NYDoH	RTC	Wibby
Gas Chromatography/Mass Spectrometry										
		Benzo(a)pyrene	PAH	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Benzo(b)fluoranthene	PAH	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Benzo(g,h,i)perylene	PAH	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Benzo(k)fluoranthene	PAH	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Chrysene	PAH	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Dibenzo(a,h)anthracene	PAH	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Fluoranthene	PAH	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Fluorene	PAH	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Indeno(1,2,3-cd)pyrene	PAH	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		2-Methylnaphthalene	PAH	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Naphthalene	PAH	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Phenanthrene	PAH	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Pyrene	PAH	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
Volatile Organic Compounds										
		<b>VOCs Analyte Group</b>	VOC- AR + HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Acetonitrile	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Acrolein	VOL- HC	Yes	-Y-	-Y-	-Y-	-N-	-Y-	-Y-
		Acrylonitrile	VOL- HC	Yes	-Y-	-Y-	-Y-	-N-	-Y-	-Y-
		Benzene	VOL- AR	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Bromodichloromethane	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Bromoform	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Bromomethane	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		2-Butanone (MEK)	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Carbon Disulfide	VOL- HC	Yes	-Y-	-Y-	-Y-	-N-	-Y-	-Y-
		Carbon Tetrachloride	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Chlorobenzene	VOL- AR	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Chloroethane	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Chloroform	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Chloromethane	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-

Required Proficiency Testing Samples for GC and GC/MS Analytes

Analytical Technique	Class	Analyte	PT	Req'd	Absolute	ERA	NSI	NYDoH	RTC	Wibby
Gas Chromatography/Mass Spectrometry										
		Dibromochloromethane	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		1,2-Dibromo-3-chloropropane (DBCP)	VOL- HC	Yes	-Y-	-Y-	-N-	-N-	-Y-	-Y-
		1,2-Dibromomethane (EDB)	VOL- HC	Yes	-Y-	-Y-	-N-	-N-	-Y-	-Y-
		Dibromomethane	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		1,2-Dichlorobenzene	VOL- AR	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		1,3-Dichlorobenzene	VOL- AR	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		1,4-Dichlorobenzene	VOL- AR	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Dichlorodifluoromethane	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		1,1-Dichloroethane	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		1,2-Dichloroethane	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		1,1-Dichloroethene	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		cis-1,2-Dichloroethene	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		trans-1,2-Dichloroethene	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		1,2-Dichloropropane	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		cis-1,3-Dichloropropene	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		trans-1,3-Dichloropropene	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Ethylbenzene	VOL- AR	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Hexachlorobutadiene	VOL-HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		2-Hexanone	VOL-HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Methyl tert-Butyl Ether (MtBE)	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		4-Methyl-2-pentanone (MIBK)	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Methylene Chloride	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Naphthalene	VOL-AR	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Pyridine	VOL- HC	Yes	-Y-	-Y-	-Y-	-N-	-Y-	-Y-
		Styrene	VOL- AR	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		1,1,1,2-Tetrachloroethane	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		1,1,2,2-Tetrachloroethane	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Tetrachloroethene	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Toluene	VOL- AR	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-

## Required Proficiency Testing Samples for GC and GC/MS Analytes

Analytical Technique	Class	Analyte	PT	Req'd	Absolute	ERA	NSI	NYDoH	RTC	Wibby
Gas Chromatography/Mass Spectrometry										
		1,2,4-Trichlorobenzene	VOL- AR	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		1,1,1-Trichloroethane	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		1,1,2-Trichloroethane	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Trichloroethene	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Trichlorofluoromethane	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		1,2,3-Trichloropropane	VOL- HC	Yes	-Y-	-Y-	-N-	-N-	-Y-	-Y-
		m-Xylene	VOL- AR	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		o-Xylene	VOL- AR	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		p-Xylene	VOL- AR	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-
		Vinyl Acetate	VOL- HC	Yes	-N-	-Y-	-Y-	-Y-	-Y-	-Y-
		Vinyl Chloride	VOL- HC	Yes	-Y-	-Y-	-Y-	-Y-	-Y-	-Y-

<sup>1</sup> Certification or registration for Gas Chromatography/Mass Spectrometry Analytical Technique in the Base/Neutral/Acid Analyte Group is comprised of all analytes in the following classes: Aldehydes and Ketones, Benzidines, Chlorinated Hydrocarbons, Explosive Residues, Haloethers, Nitrosamines, Nonhalogenated Organics, Phenols, Phthalate Esters, and Polynuclear Aromatic Hydrocarbons.

<sup>2</sup> Certification or registration for individual PCDD/PCDF analytes in the Gas Chromatography/Mass Spectrometry Analytical Technique available upon request.