

Table 1. List of Chemicals Used Within NMISA Laboratories

Acetic acid	Perdeuterated PAH-II 2270	Florisil	Bismuth(III)nitrate
Acetic anhydride	Tungsten carbide	Formaldehyde	Butylamine
Alpha hydroxyisobutyric acid	Phenyl isothiocyanate	Fruktose	Calcium hydroxide
Amidosulfonic acid	Glucoronidase	Imidazole	Calcium oxide
Ascorbic acid	Lipase from <i>Candida rugosa</i>	Iodine solution	Cesium iodide
Benzoic acid	Protease	Liquid paraffin	Chromium trioxide
Boric acid	Bicyclo(2.2.1)hepta-2,50diene	Methyl orange	di-ammonium hydrogen nitrate
Chloropropionic acid	Diethylamine	Molecular sieve	di-Phosphatepentoxid
Decanesulfonic acid	Glycerol	Perdrogen	di-sodium hydrogen phosphate
Formic acid	N,N-dimethylacetamide	Silica gel	di-sodium tetraborate hydrate
Heptanesulfonic acid	Piperidine	Silicone antifoaming agent	di-sodiumhydrogen
Hydrochloric acid	Triethylene tetramine	Spectromelt	EDTA
Malic acid	Chromium metal	Sulphur powder	Eriochrome black
Methansulfonic acid	Copper	Thiourea	Erythrosin B
Methansulfonic acid	Iodine	Triallylamine	Hexamethylenetetramine
Nitric acid	Iron fillings	tris(hydroxymethyl)-aminomethane	Hydroxyl ammonia chloride
Ortho-phosphoric	Copper	Trometamol	Lead acetate
Phosphoric acid	Iodine	Benzil	Lead(II)nitrate
Sulphuric acid	Iron fillings	Biphenyl	Molybdenum(VI)oxide
Tartaric acid	Lead	Potassium dichromate	Nickel(II)nitrate
Thioglycolic acid	Tellurium	Potassium iodate	Oxalic acid dihydrate
Trichloro acetic acid	Tin	2-Fluorophenyl	Perfluoro octanoic
Acetic acid	Zinc	2-mercaptoethanol	Phenol
Atrazine	3-Aminopropyl	Aluminium sulphate	Phenolphthalein
Benzo a anthrazene	1,5-diphenylcarbazine	Ammonium acetate	Potassium bromate
Benzo a pyrene	Acetanilide	Ammonium carbonate	Potassium chloride
Benzo g, h, i perylene	Acrylamide	Ammonium chloride	Potassium chromate
Fluoranthene	Ammonia solution	Ammonium citrate	Potassium dihydrogen phosphate
Melamine	Azoxylanisole	Ammonium formate	Potassium bisulfate
p, p'-DDE	Creatinine	Ammonium heptamolybat	Potassium ferri cyanide

Prepared by: SHEQ Practitioner		Checked by: SHEQ Manager	Approved by: SHEQ Manager
Effective date: November 2024	Document type: LST	Page 1 of 4	Document number: TQM-5223-2

PCB 101	Cyanophenol	Ammonium hydrogen carbamate	Potassium hydrogen difluoride
PCB 105	Dimethyldichlorosilane	Ammonium iron(III)sulfate	Potassium hydrogen phthalate
PCB 153	EPA 8240 b GC tuning mix	Ammonium cerium (IV)nitrate	Potassium hydroxide
PCB 170	EPA 8240 calibration check	Ammonium chlorocuprat (II)	Potassium nitrate
PCB 28	EPA 8240 System performance mix	Ammonium iron(II)sulphate	Potassium oxalate
Phenanthrene	EPA 8270 b System performance check	Lead(II)nitrate	17 alpha-hydroxyprogesterone
Theophylline	EPA 8270 GC/MS tuning solution	pH application solution	17 alpha-estradiol
Trans-nonachlor	Ethyl 4 hydroxybenzoate	pH buffer solution 4	17 alpha-ethynylestradiol
Aromatic hydrocarbons in toluene 2260 a	Potassium phosphate	pH buffer solution 7	2,4,5,6-tetrachloro-m-xylene
Chlorinated biphenyl CRM	Potassium phosphate dibasic	pH buffer solution 9	2-Isopropyl-6-methyl-4-pyrimidol
Ethanol CRMS	Potassium sulphate	pH storage solution	3-Phenoxybenzoic acid
Melamine	Rubidium iodide	Sodium thiosulphate	4-Nitrophenol
Sodium peroxide	Silver nitrate	TISAB II	4-n-nonylphenol
Sodium salicylat	Sodium	Alpha-endosulphan	4-Octylphenol
Sodium sulphate	Sodium acetate	Amino acid standards	8260 international standard mix - volatile organics
Sodium tetraborate	Sodium borohydride	Amitriptyline	Naphthalene D18
Sodium thiosulphate pentahydrate	Sodium bromate	Anthracene	Acenaphthene
Titriplex	Sodium carbonate	Aques ethanol	Acenaphthylene
tri-sodiumcitrat 2 hydrate	Sodium chloride	Atrazine	Acetaminophen
Xylenol orange	Sodium floride	p, p'-DDE	Alachlor
Zinc sulphate	Sodium gluconate	p, p'-DDT	Aldrin
Zirconium(IV)oxide	Sodium hydroxide	PAH mix	Azinphos-methyl D6
Ammonia solution	Sodium nitrate	Parathion	Chlorpyrifos D10
B-Cyfluthrin	Esfenvalerate	Pentachlorobenzene	Chlorpyrifos-ethyl
B-endosulphan	Estradiol	Pentachloronitrobenzene	Demeton-S-methyl
Benzo a anthrazene	Estriol	Permethrin	Diazinon
Benzo a pyrene	Estrone	Phenanthrene	Dichlorvos
Benzo b fluranthene	FAME standard	Phenanthrene D10	Dimethoate
Benzo c phenanthrene	Fenvalerate	Potassium dichromate	Disulfoton

Prepared by: SHEQ Practitioner		Checked by: SHEQ Manager	Approved by: SHEQ Manager
Effective date: November 2024	Document type: LST	Page 2 of 4	Document number: TQM-5223-2

Benzo g, h, l perylene	Fluoranthene	Potassium iodate	Ethoprophos
Benzo j fluoranthene	Fluorene	Progesterone	Fenthion
Benzo k fluoranthene	Fuel oil degradation mix	Propazine	Malathion
B-estradiol	Gasoline (DCM)	Pyrene	Methidathion
B-estradiol-6-one	Gasoline (Methanol)	Pyrene D10	Methidathion
Beta-endosulfan	GRO mix	Restek PCB standards	Mevinphos
Beta-HCH	HCB	Rotenone	Parathion-ethyl
BETX mixture	Heroin	Seleno-DL-methionine	Parathion-methyl
Caffeine	Hexachlorobenzene	Simazine	Phorate
Chloramphenicol	Hydranal	Sulfadiozine	Pirimiphos-methyl
Chlorfenvinphos	Hydrocortisone	Sulfamerazine	Pirimiphos-methyl D6
Chlorpyrifos	Ideno 1,2,3-cd pyrene	Sulfanilamide	Profenofos
Chrysene	Imazalil	Sulfathiazole	Prothiophos
Chrysene D12	Imipramine - HCl	Taurine	Liquid Scintillation Cocktails (Ultima Gold)
Cis-chlordane	Isodrin	Testosterone	Terbufos
Cocaine - D3	Jet fuel	Theobromine	MDMA
Custom pesticide mix 564849: Anilines	Kerosene	Theophylline	Methaqualone - D7
Custom pesticide mix 564851: carbamates 2	L-isoleucine	Toxaphene	Methoxychlor
Custom pesticide mix 564852: carbamates 3	L-norleucine	Trans-chlordane	Beta-HCH
Custom pesticide mix 564853: carbamates 1	L-phenylalanine	Trans-nonachlor	Methoxychlor
Custom pesticide mix 564853: carbamates 4	L-proline	Triazophos	4, 4'-DDD
Custom pesticide mix 564860: pesticides	L-valine	Trifluoroacetic acid	Dieldrin
Custom pesticide mix 564861 : pyrethroids	Malathion	Trifluralin	Cis-heptachlor epoxide
Custom pesticide mix 564862: triazines	Mineral spirits	Tris (hydroxymethyl) aminomethane	Heptachlor
Custom pesticide mix 564863: herbicide 1	M-xylene	Tryptamine hydrochloride	Lindane
Cyanuric acid	Endrin	Naphtalene	Endosulfan sulfate

Prepared by: SHEQ Practitioner	Checked by: SHEQ Manager	Approved by: SHEQ Manager
Effective date: November 2024	Document type: LST	Page 3 of 4
		Document number: TQM-5223-2

Decachlorobiphenyl	Endrin-aldehyde	Napthalene D8	Atrazine
Delta-BHC	Endrin-ketone	Nivalenol	Azinphos-methyl
Deuterated PAH mix	Dieldrin	o, p'-DDD	Octachloronaphthalene
Diazepam	Diesel	o, p'-DDE	Malathion - Technical
Dibenzo a, h anthrazene	DL-methionine-1	o, p'-DDT	Endosulfan sulphate
DL-selenomethionine		p, p'-DDD	

Table 2: List of solvents used within the NMISA laboratories

1-Butanol	Benzene	Ethanediol	Methanol	Petroleum ether
1-Propanol	Benzol	Ethanol 96%	Methyl-iso-butylketone	P-xylene
2-Butanol	Carbon tetrachloride	Ethanol absolute	M-xylene	Pyridine
2-Propanol	Chloroform	Ethyl acetate	N, N-dimethyl formide	Tetrachloroethylene
AccQ tag Eluent A	Cyclo-hexane	Ethyl benzene	Nitrobenzene	Tetrahydrofuran
AccQ tag Eluent B	Dichloromethane	Ethyl acetate	Octan-2-ol	Toluene
Acetone	Diethyl ether	Hexane	O-xylene	Water Chromasolv
Acetonitrile	Dimethyl sulfoxide	Hydranal	Pentane	Iso octane