Schedule of Accreditation

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Institute of Naval Medicine

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Testing performed at the above address only

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
WATERS Drinking waters and process waters (high purity)	<u>Chemical and Physical Tests</u>	Documented In-House Methods
	Anions: Bromide Chloride Chlorate Chlorite Fluoride Nitrate Nitrite Phosphate Sulphate Nitrite / Nitrate formula (by calculation – as defined by The Water Supply (Water Quality) Regulations 2000)	Method I080 by Ion Chromatography
	Metals and Hardness: Barium Calcium Magnesium Potassium Sodium Strontium Hardness (Total) by calculation	Method I070 by ICP-OES
	Inorganic Mercury	Method I072 by cold vapour AAS

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
WATERS (cont'd) Drinking waters and process waters (high purity)	Chemical and Physical Tests	Documented In-House Methods
	Metals: Aluminium Arsenic Boron Beryllium Cadmium Chromium Cobalt Copper Iron Lead Manganese Nickel Selenium Vanadium Zinc	Method I071 by ICP-MS
	Metals: Antimony Mercury	Method I083 by ICP-MS
	pH Electrical Conductivity Colour Turbidity	Method I082 using autoanalyser
WATERS	Chemical and Physical Tests	Documented In-House Methods
Waste Waters	Suspended Matter	Method G025 by Gravimetry
	Microbiological Tests	Documented In-House Methods
Potable water, bottled water and pool water	Pseudomonas aeruginosa (isolation and enumeration)	Method B004 by Membrane Filtration
Potable water, bottled water, deionised water and pool water	Faecal Enterococci (isolation and enumeration)	Method B005 by Membrane Filtration
Potable water and pool water	Total Coliforms and *E coli*	Method B041 using Colilert

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
ATMOSPHERIC POLLUTANTS Collected on adsorbent tubes	<u>Chemical Tests</u> <u>Volatile Organic Compounds</u> Benzene Butan-1-ol Butan-2-ol Butoxyethanol Carbon Tetrachloride Chloroform 1,2-Dibromoethane 1,4-Dichlorobenzene 1,2-Dichloroethane Ethoxyethanol Ethylbenzene m-Ethyltoluene o-Ethyltoluene Methoxyethanol Methoxypropanol 1-Methylnaphthalene Naphthalene Styrene 1,1,2,2-Tetrachloroethane Tetrachloroethylene Toluene 1,1,1-Trichloroethane (Methyl Chloroform) 1,1,2-Trichloroethane Trichloroethylene 1,2,3-Trimethylbenzene 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene m and p –Xylene o-Xylene 2-Butanone (MEK) Ethoxyethylacetate Ethylacetate 2-Hexanone (MBK) 4-Methyl-2-Pentanone (IBMK)	Documented In-House Methods Method O004 by ATD GCMS

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
Volatile Organic Compounds in air collected in canisters	Chemical Tests (cont'd) Analysis of the following Volatile Organic Compounds: Acetone Acrolein Benzene Benzyl chloride Bromodichloromethane Bromoform Bromomethane 1,3-Butadiene 2-Butanone Carbon disulfide Carbon Tetrachloride Chlorobenzene Chloroethane Chloromethane Cyclohexane Dibromochloromethane 1,2-dibromoethane 1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,1-dichloroethane 1,2-dichloroethane, 1,1-dichloroethene cis-1,2-Dichloroethylene trans-1,2-dichloroethylene Dichlorodifluoromethane Dichloromethane 1,2-dichloropropane cis-1,3-dichloropropene trans-1,3-dichloropropene 1,2-dichlorotetrafluoroethane 1,4-Dioxane Ethanol Ethyl Acetate Ethylbenzene p-ethyltoluene Heptane Hexachlorobutadiene Hexachlorobutadiene Hexane 2-Hexanone Isopropyl Alcohol Methyl Isobutyl Ketone Methyl methacrylate	In-house method O017 using GC-MS to analyse whole air samples collected in TO canisters

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
Volatile Organic Compounds in air collected in canisters (cont'd)	Chemical Tests (cont'd) Analysis of the following Volatile Organic Compounds: Methyl tert-butyl ether Naphthalene Propene Styrene 1,1,2,2-tetrachloroethane Tetrachloroethylene Tetrahydrofuran Toluene 1,2,4-trichlorobenzene 1,1,1-trichloroethane 1,1,2-trichloroethane Trichloroethylene Trichloromethane 1,1,2-trichloro-1,2,2-trifluor Trichloromonofluoromethane 1,2,4-trimethylbenzene 1,3,5-trimethylbenzene Vinyl acetate Vinyl chloride m/p-Xylene o-Xylene	In-house method O017 using GC-MS to analyse whole air samples collected in TO canisters
END		