Schedule of Accreditation

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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	Chemical and Physical Tests	Documented In-House Methods
Drinking waters and process waters (high purity)	**Anions:** Bromide Chloride Chlorate Chlorite Fluoride Nitrate Nitrite Phosphate Sulphate Nitrite / Nitrate formula (by calculation – as defined by The Water Supply (Water Quality) Regulations 2016)	Method I080 by Ion Chromatography
Drinking Water (non-regulatory), Process Waters (high purity)	Ammonia	Method I084 by Continuous Flow Analyser
Drinking Water (Non-Regulatory), High Purity Water	Barium Calcium Magnesium Potassium Sodium Strontium Hardness (by Calculation)	Method I085 by ICPOES
Drinking Waters & Process Waters (high purity)	pH Electrical Conductivity Turbidity	Method I082 using autoanalyser

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
WATERS (cont'd) Drinking Water (Non-regulatory), High Purity Waters	Chemical Tests **Volatile Organic Compounds:** Bromobenzene Bromochloromethane n-Butylbenzene Sec-Butylbenzene Tert-Butylbenzene Chlorobenzene 2-Chlorotoluene 4-Chlorotoluene 1,2-Dibromoethane Dibromomethane 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,1-Dichloroethane 1,1-Dichloroethene Cis-1,2-Dichloroethene Trans-1,2-Dichloroethene Dichloromethane 1,2-Dichloropropane 1,3-Dichloropropane 2,2-Dichloropropane 1,1-Dichloropropene Ethyl Benzne Hexachlorobutadiene Isopropylbenzene p-Isopropyltoluene Napthalene n-Propylbenzene Styrene 1,1,1,2-Tetrachloroethane Toluene 1,2,3-Trichlorobenzene 1,2,4-Trochlorobenzene 1,1,1-Trichloroethane 1,1,2-Trichloroethane 1,2,3-Trichloropropane 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene m&p Xylene o-Xylene Benzene Bromodichloromethane Bromoform	Documented In House Methods Method O018 by HS-GC/MS

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
WATERS (cont'd)	Chemical Tests (cont'd)	Documented In-House Methods
Drinking Water (non-regulatory), High Purity Waters	Chloroform Dibromochloromethane 1,2-Dichloroethane Tetrachloroethene	Method O018 by HS-GC/MS
	Microbiological Tests	Documented In-House Methods
Drinking (non-regulatory), bottled and man-made recreational	Pseudomonas aeruginosa (isolation and enumeration)	Method B004 by Membrane Filtration
Drinking (non-regulatory), bottled, deionised and man-made recreational	Faecal Enterococci (isolation and enumeration)	Method B005 by Membrane Filtration
Drinking (non-regulatory) and man-made recreational	Total Coliforms and *E coli*	Method B041 using Colilert
Drinking (non-regulatory)	*Clostridium perfringens* (Presumptive & Confirmed)	Method B001 by Membrane Filtration based on MoDW Part6 (2021)

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
ATMOSPHERIC POLLUTANTS Collected on adsorbent tubes	Chemical Tests **Volatile Organic Compounds** 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	Documented In-House Methods 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:** (cont'd) Isopropyl Alcohol Methyl Isobutyl Ketone Methyl methacrylate 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	Documented In-House Methods Method O017 using GC-MS to analyse whole air samples collected in TO canisters
Mixed Cellulose Filters	**Metals:** Arsenic Beryllium Cadmium Cobalt Chromium Copper Iron Manganese Nickel Lead Vanadium Zinc	Method I073 by ICP-MS
END		