


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

 <p>UKAS TESTING</p> <p>2183</p> <p>Accredited to ISO/IEC 17025:2017</p>	<p>Eurofins Chemtest Limited</p> <p>Issue No: 122 Issue date: 18 May 2026</p>	
	<p>11 Depot Road Newmarket Suffolk CB8 0AL</p>	<p>Contact: Bailey Maclaine Tel: +44 (0)1638 606070 Fax: +44 (0)1638 606071 E-Mail: bailey.maclaine@etuki.eurofins.com Website: www.chemtest.co.uk</p>

Testing performed by the Organisation at the locations specified below

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details	Activity	Location code
<p>Address 11 Depot Road Newmarket Suffolk CB8 0AL</p> <p>Contact: As above</p>	<p>Chemical Testing & Asbestos Analysis</p> <p>Health and Hygiene Head Office</p> <p>Asbestos – All Support Functions</p>	A
<p>Address Unit F7 Prospect Business Park Durham DH8 7PW</p> <p>Contact: As above</p>	<p>Asbestos Analysis</p> <p>Health and Hygiene Asbestos – Support Functions:</p> <ul style="list-style-type: none"> • <i>Quality Audit Administration</i> • <i>Contract Review</i> • <i>Scheduling</i> • <i>Personnel</i> • <i>Equipment</i> • <i>Measurement Traceability</i> • <i>Reporting</i> 	B



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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ASBESTOS IN BULK MATERIALS including materials and products suspected of containing asbestos	<u>Health and Hygiene</u> Identification of: Amosite Chrysotile Crocidolite Fibrous Actinolite Fibrous Anthophyllite Fibrous Tremolite	Health and Safety Executive - Asbestos: The Analysts' Guide (HSG 248) – 2021 Documented In-House Method SOP 2185 using stereo-microscopy, polarised light optical microscopy and dispersion staining based on HSG 248	A & B
ASBESTOS IN SOILS – The Identification and Quantification of Asbestos fibres in bulk samples of Soil: <i>Soil</i> <i>Sediment</i> <i>Crushed Concrete</i> <i>Rail Ballast</i>	Identification and Quantification of Asbestos content of: Amosite Chrysotile Crocidolite Fibrous Actinolite Fibrous Anthophyllite Fibrous Tremolite	Documented In-House Method SOP 2192 for identification using stereo-microscopy, polarised light optical microscopy and dispersion staining based on HSG 248. Documented In-House Method SOP 2192 for quantification of asbestos.	A & B
SOIL	<u>Chemical Tests</u> Boron (water soluble) Sulphate (water soluble) Sulphate (acid soluble)	Documented In-House Method based on/incorporating published procedures in the HMSO series 'Methods for the Examination of Water and Associated Materials', unless otherwise stated, referenced by ISBN number and year SOP 2120 by ICP spectrometry based on procedure in 'The Analysis of Agricultural Materials', ADAS (ISBN 011 242 762 6:1986) SOP 2120 by ICP spectrometry (ISBN 011 752 240 6:1988) SOP 2430 by Digiprep hotblock digestion followed by ICP (ISBN 011 753 244 4:1996)	A A A



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
SOIL (cont'd)	<u>Chemical Tests</u> (cont'd)		
	Loss on Ignition (550°C)	SOP 2610 using gravimetry	A
	pH value	SOP 2010 by pH meter (ISBN 011 751 252 4:1977)	A
	Sulphur (elemental and organic)	SOP 2180 by HPLC	A
	Sulphur (Total)	SOP 2175 by combustion / IR photometry using Eltra CS 800 Based on TRL Report 447, Test 4B	A
	Polynuclear Aromatic Hydrocarbons (PAHs): Anthracene Acenaphthene Acenaphthylene Benzo[a]anthracene Benzo[a]pyrene Benzo[b]fluoranthene Benzo[g,h,i]perylene Benzo[k]fluoranthene Chrysene Dibenzo[a,h]anthracene Fluoranthene Fluorene Indeno[1,2,3-cd]pyrene Naphthalene Phenanthrene Pyrene Total PAHs (sum of 16 above)	SOP 2700 by GC-FID based on 'Standard Methods for the examination of Water & Waste Water', APHA (ISBN 087 553 223 3:1995)	A
	Total Petroleum Hydrocarbons including Gasoline Range Organics (GRO, Diesel Range Organics (DRO)	SOP 2670 by GC-FID (ISBN 011 752 222 8:1988)	A



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
SOIL (cont'd)	<u>Chemical Tests</u> (cont'd)		
	Polycyclic Aromatic Hydrocarbons (PAHs): Acenaphthene Acenaphthylene Anthracene Benzo[a]anthracene Benzo[a]pyrene Benzo[b]fluoranthene Benzo[g,h,i]perylene Benzo[k]fluoranthene Chrysene Dibenzo [a,h] anthracene Fluoranthene Fluorene Indeno[1,2,3]pyrene Naphthalene Phenanthrene Pyrene Total PAH (sum of 16 above)	SOP 2800 by GC-MS	A
	Total Cyanide Free Cyanide Thiocyanate	SOP 2300 by Skalar SAN++ Continuous flow analyser	A
	TOC Soil Organic Matter (by calculation)	SOP 2625 by Eltra Elemental Analyser	A



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
SOIL (cont'd)	<u>Chemical Tests (cont'd)</u> Volatile Organic Compounds (VOCs): Chloromethane Vinyl chloride Bromomethane Trichlorofluoromethane 1,1-Dichloroethene trans-1,2-Dichloroethene 1,1-Dichloroethane cis-1,2-Dichloroethene Trichloromethane 1,1,1-Trichloroethane Tetrachloromethane Benzene 1,2-Dichloroethane 1,2-Dichloropropane Dibromomethane Bromodichloromethane Toluene 1,1,2-Trichloroethane Tetrachloroethene 1,2-Dibromoethane Chlorobenzene 1,1,1,2 -Tetrachloroethane Ethylbenzene m & p - Xylene o- Xylene Styrene Isopropylbenzene Bromobenzene 2-Chlorotoluene 1,3,5-Trimethylbenzene 1,2,4-Trimethylbenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 1,2,4-Trichlorobenzene MTBE Total Xylenes Dichlorodifluoromethane Chloroethane	SOP 2760 by Headspace GC-MS based on EPA 524.2:1992	A



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SOIL (cont'd)	<u>Chemical Tests (cont'd)</u> Volatile Organic Compounds (VOCs): (cont'd) Bromochloromethane 1-1,Dichloropropene 1,3, Dichloropropene Dibromochloromethane Tribromomethane N-propylbenzene 4-Chlorotoluene Tert-Butylbenzene Sec-Butylbenzene 4-Isopropyltoluene N-Butylbenzene 1,2-Dibromo-3-chloropropane 1,2,3-Trichlorobenzene	SOP 2760 by Headspace GC-MS based on EPA 524.2:1992 (cont'd)	A
	Extractable Petroleum Hydrocarbons including fractionation and banding Aliphatic >C10-C12 Aliphatic >C12-C16 Aliphatic >C16-C21 Aliphatic >C21-C35 Aromatic >eC10-eC12 Aromatic >eC12-eC16 Aromatic >eC16-eC21 Aromatic >eC21-eC35 Sum bands: Total Aliphatic >C10-C35 Total Aromatic >eC10-eC35 Total EPH >C10-C35	SOP 2690 by solvent extraction and GCxGC- FID	A
	Phenols: Resorcinol Phenol Methylphenols Dimethylphenols Trimethylphenols	SOP 2920 by HPLC	A



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SOIL (cont'd)	<u>Chemical Tests</u> (cont'd)		
	Polychlorinated biphenyls (PCB's): PCB 28 PCB 52 PCB 101 PCB 118 PCB 138 PCB 153 PCB 180	SOP 2815 by Sonication followed by GCMS	A
	EPH (>C10-C35): Aliphatic > C8-C10 Aliphatic > C10-C12 Aliphatic >C12-C16 Aliphatic >C16-C21 Aliphatic >C21-C35 Aromatic >eC8-eC10 Aromatic >eC10-eC12 Aromatic >eC12-eC16 Aromatic >eC16-eC21 Aromatic >eC21-eC35	SOP 5002 by GCxGC-FID by Multi-extraction	A
	Sum Bands: Total Aliphatic >C10-C35 Total Aromatic >eC10-eC35 Total EPH >C10-C35		
TPH: TPH > C10-C40	SOP 5001 by GC-FID by Multi-extraction	A	
Benzene Toluene Ethylbenzene m/p-xylene o-xylene MTBE	SOP 5006 using Headspace with GCxGC-FID	A	



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SOIL (cont'd)	<u>Chemical Tests (cont'd)</u> SVOCS: Benzo(k)fluoranthene Bis(2-Chloroethoxy)methane Chrysene Dibenzofuran Diethyl phthalate Dimethylphthalate Fluoranthene Fluorene Hexachlorobutadiene Naphthalene N-Nitrosodi-n-propylamine Phenanthrene Pyrene N-Nitrosodimethylamine Phenol Bis(2-Chloroethyl)ether 1,3-Dichlorobenzene 1,2-Dichlorobenzene 2-Methylphenol 4-Methylphenol Isophorone 2-Methylnaphthalene Azobenzene 4-Bromophenylphenyl ether Hexachlorobenzene Carbazole	SOP 2790 by solvent extraction and GCMS	A



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SOIL	<u>Chemical Tests and Physical Tests</u>	Documented In-House Methods to meet the requirements of the Environment Agency MCERTS Performance Standard - soils	
	pH value	SOP 2010 by pH meter (ISBN 011 751 252 4:1977)	A
	Sulphur (elemental and organic)	SOP 2180 by HPLC	A
	Boron (water soluble)	SOP 2120 by ICP spectrometry based on procedure in 'The Analysis of Agricultural Materials', ADAS (ISBN 011 242 762 6:1986)	A
	Sulphate (water soluble)	SOP 2120 by ICP spectrometry (ISBN 011 752 240 6:1988)	A
	Sulphate (acid soluble)	SOP 2430 by Digiprep hotblock digestion followed by ICP	A
	SVOCS: 1,2,4-Trichlorobenzene 2-Chloronaphthalene 4-Chlorophenylphenylether Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene	SOP 2790 by solvent extraction and GCMS	A



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SOIL (cont'd)	<u>Chemical Tests and Physical Tests (cont'd)</u>	Documented In-House Methods to meet the requirements of the Environment Agency MCERTS Performance Standard - soils	
	Metals: Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper Lead Manganese Mercury Molybdenum Nickel Selenium Vanadium Zinc	SOP 2455 by ICP-Mass Spectroscopy	A
	Loss on Ignition (550°C)	SOP 2610 using gravimetry	A
	Total Cyanide Free Cyanide Thiocyanate	SOP 2300 by Skalar SAN++ Continuous flow analyser	A
	TOC Soil Organic Matter (by calculation)	SOP 2625 by Eltra Elemental Analyser	A
	Water Soluble Chloride	SOP 2220 by discrete colorimetric analyser	A
Extractable Ammonium	SOP 2425 by discrete colorimetric analyser	A	



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SOIL (cont'd)	<u>Chemical Tests and Physical Tests (cont'd)</u> Volatile Organic Compounds (VOCs): 1,1-Dichloroethane cis-1,2-Dichloroethene 2-Chlorotoluene Benzene Chlorobenzene Chloromethane Ethylbenzene 1,1,1 2 – Tetrachloroethane Tetrachloroethene Tetrachloromethane Toluene 1,1,1 – Trichloroethane Trichloromethane Vinyl Chloride 1,1,2 – Trichloroethane 1,1 – Dichloroethene 1,2,4 – Trichlorobenzene 1,2,4 – Trimethylbenzene 1,2 - Dibromoethane 1,2-Dichlorobenzene 1,2-Dichloroethane 1,2-Dichloropropane 1,3,5-Trimethylbenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Bromobenzene Bromodichloromethane Bromomethane Dibromomethane Isopropylbenzene MTBE Styrene o-Xylene m&p-Xylene Total-Xylenes trans 1,2-Dichloroethene Trichlorofluoromethane	Documented In-House Methods to meet the requirements of the Environment Agency MCERTS Performance Standard - soils SOP 2760 by Headspace GC-MS based on EPA 524.2:1992	A



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SOIL (cont'd)	<u>Chemical Tests and Physical Tests</u> (cont'd)	Documented In-House Methods to meet the requirements of the Environment Agency MCERTS Performance Standard - soils	A
	Polynuclear Aromatic Hydrocarbons (PAHs): Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(a)pyrene Benzo[b]fluoranthene Benzo(g,h,i)perylene Benzo[k]fluoranthene Chrysene Dibenzo(a,h)anthracene Fluoranthene Fluorene Indeno(1,2,3-cd)pyrene Naphthalene Phenanthrene Pyrene Total PAH (sum of 16 above)	SOP 2700 by GC-FID based on 'Standard Methods for the examination of Water & Waste Water', APHA (ISBN 087 553 223 3:1995)	
	Polycyclic Aromatic Hydrocarbons (PAHs): Acenaphthylene Anthracene Benzo[a]anthracene Benzo[a]pyrene Benzo[b]fluoranthene Benzo[g,h,l]perylene Benzo[k]fluoranthene Chrysene Fluoranthene Fluorene Indeno[1,2,3]pyrene Naphthalene Phenanthrene Pyrene Total PAH (sum of 14 above)	SOP 2800 by GC-MS	A



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SOIL (cont'd)	<u>Chemical Tests and Physical Tests</u> (cont'd)	Documented In-House Methods to meet the requirements of the Environment Agency MCERTS Performance Standard - soils	
	Total Petroleum Hydrocarbons C ₈ - C ₄₀	SOP 2670 by GC-FD (ISBN 011 752 2228:1988)	A
	Extractable Petroleum Hydrocarbons including fractionation and banding Aliphatic >C10-C12 Aliphatic >C12-C16 Aliphatic >C16-C21 Aliphatic >C21-C35	SOP 2690 by solvent extraction and GCxGC- FID	A
	Sum bands: Total Aliphatic >C10-C35		
	Phenols: Resorcinol Phenol Methylphenols Dimethylphenols Trimethylphenols	SOP 2920 by HPLC	A
Polychlorinated biphenyls (PCBs): PCB 28 PCB 52 PCB 101 PCB 118 PCB 138 PCB 153 PCB 180	SOP 2815 by Sonication followed by GCMS	A	



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SOIL (cont'd)	<u>Chemical Tests and Physical Tests</u> (cont'd)	Documented In-House Methods to meet the requirements of the Environment Agency MCERTS Performance Standard - soils	A
	Polycyclic Aromatic Hydrocarbons (PAHs): Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene Chrysene Dibenzo(a,h)anthracene Fluoranthene Fluorene Indeo(1,2,3-cd)pyrene Naphthalene Phenanthrene Pyrene Total PAH (sum of 16 above)	SOP 5003 by GC-MS Multi-extraction	
	Polychlorinated biphenyls (PCBs): PCB-28 PCB-52 PCB-101 PCB-118 PCB-153 PCB-138 PCB-180 Total PCB (sum of 7 above)	SOP 5004 by GC-MS Multi-extraction	A



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
SOIL (cont'd)	<u>Chemical Tests and Physical Tests (cont'd)</u> EPH (>C10-C35): Aliphatic > C8-C10 Aliphatic > C10-C12 Aliphatic >C12-C16 Aliphatic >C16-C21 Aliphatic >C21-C35 Aromatic >eC8-eC10 Aromatic >eC10-eC12 Aromatic >eC12-eC16 Aromatic >eC16-eC21 Aromatic >eC21-eC35 Sum Bands: Total Aliphatic >C10-C35 Total Aromatic >eC10-eC35 Total EPH >C10-C35	Documented In-House Methods to meet the requirements of the Environment Agency MCERTS Performance Standard – soils SOP 5002 by GCxGC-FID by Multi-extraction	A
	TPH: TPH > C10-C40	SOP 5001 by GC-FID by Multi-extraction	A
	Benzene Toluene Ethylbenzene m/p-xylene o-xylene MTBE	SOP 5006 using Headspace with GCxGC-FID	A



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WATERS	<u>Chemical Tests</u>	Documented In-House Methods based on/incorporating published procedures in the HMSO series 'Methods for the Examination of Water and Associated Materials' referenced by ISBN number and year	
Drinking water (non regulatory), Recreational Water, Groundwater, Surface Water and Laboratory Prepared Leachates	Electrical conductivity	SOP 1020 by Conductivity Meter (ISBN 011 751 428 4:1978)	A
Drinking water (non regulatory) Recreational Water, Groundwater, Surface Water and Laboratory Prepared Leachates	pH value	SOP 1010 by pH meter (ISBN 011 751 252 4:1977)	A
Groundwater and Leachates	Total hardness	SOP 1270 by calculation based on procedure in 'The Analysis of Agricultural Materials', ADAS (ISBN 011 242 762 6:1986)	A
Groundwater and Laboratory Prepared Leachates	Chromium (VI)	SOP 1490 by discrete colorimetric analyser	A
Groundwater and Laboratory Prepared Leachates	Dissolved Mercury	SOP 1460 by Atomic Fluorescence Spectrometry	A
Surface Water	Suspended Solids	SOP 1030 by gravimetry	A



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WATERS (cont'd)	<u>Chemical Tests</u> (cont'd)	Documented In-House Methods based on/incorporating published procedures in the HMSO series 'Methods for the Examination of Water and Associated Materials' referenced by ISBN number and year (cont'd)	
Groundwater and Laboratory Prepared Leachates	Volatile Organic Compounds (VOCs): Dichlorodifluoromethane Chloromethane Bromomethane Chloroethane Trichlorofluoromethane 1,1-Dichloroethene trans-1,2-Dichloroethene 1,1-Dichloroethane cis-1,2-Dichloroethene Bromochloromethane Trichloromethane 1,1,1-Trichloroethane Tetrachloromethane 1,1-Dichloropropene Benzene 1,2-Dichloroethane 1,2-Dichloropropane Dibromomethane Bromodichloromethane Toluene 1,1,2-Trichloroethane Tetrachloroethene 1,3-Dichloropropane Dibromochloromethane 1,2-Dibromoethane 1,1,1,2-Tetrachloroethane Ethylbenzene m- & p-Xylene o-Xylene Styrene Tribromomethane Isopropylbenzene Bromobenzene n-Propylbenzene 2-Chlorotoluene 1,3,5-Trimethylbenzene	SOP 1760 by Headspace GC-MS based on EPA 524.2:1992	A



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WATERS (cont'd)	<u>Chemical Tests</u> (cont'd)	Documented In-House Methods based on/incorporating published procedures in the HMSO series 'Methods for the Examination of Water and Associated Materials' referenced by ISBN number and year (cont'd)	
Groundwater and Laboratory Prepared Leachates (cont'd)	Volatile Organic Compounds (VOCs): (cont'd) 4-Chlorotoluene tert-Butylbenzene 1,2,4-Trimethylbenzene sec-Butylbenzene 4-Isopropyltoluene 1,4-Dichlorobenzene n-Butylbenzene 1,2-Dichlorobenzene 1,2-Dibromo-3-chloropropane 1,2,4-Trichlorobenzene Hexachlorobutadiene 1,2,3-Trichlorobenzene	SOP 1760 by Headspace GC-MS based on EPA 524.2:1992	A
Groundwater and Laboratory Prepared Leachates	Polycyclic Aromatic Hydrocarbons (PAHs): Acenaphthene Acenaphthylene Anthracene Benzo[a]anthracene Benzo[a]pyrene Benzo[b]fluoranthene Benzo[g,h,i]perylene Benzo[k]fluoranthene Dibenzo[a,h]anthracene Fluoranthene Fluorene Indeno[1,2,3]pyrene Naphthalene Phenanthrene Pyrene Total PAH (sum of 15 above)	SOP 1700 by liquid/liquid extraction and GC-FID - based on Standard Methods for the Examination of Water and Waste Water' APHA. (ISBN 087 553 223 3:1995)	A



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WATERS (cont'd)	<u>Chemical Tests</u> (cont'd)	Documented In-House Methods based on/incorporating published procedures in the HMSO series 'Methods for the Examination of Water and Associated Materials' referenced by ISBN number and year (cont'd)	
Groundwater, surface water, DI water, Potable water (non-regulatory) and Laboratory Prepared Leachates	Polycyclic Aromatic Hydrocarbons (PAHs): Acenaphthene Acenaphthylene Anthracene Benzo[a]anthracene Benzo[a]pyrene Benzo[b]fluoranthene Benzo[g,h,i]perylene Benzo[k]fluoranthene Chrysene Dibenzo [a,h] anthracene Fluoranthene Fluorene Indeno[1,2,3]pyrene Naphthalene Phenanthrene Pyrene Total PAH (sum of 16 above)	SOP 1800 by liquid/liquid extraction and GC-MS - based on Standard Methods for the Examination of Water and Waste Water' APHA. (ISBN 087 553 223 3:1995)	A
Ground Water and Laboratory Prepared Leachates	Resorcinol Phenol Cresols (methyl Phenols) Xylenols (dimethylphenols) Trimethylphenols	SOP 1920 by HPLC with Electrochemical Detection	A
Groundwater and Laboratory Prepared Leachates	Total Petroleum Hydrocarbons	SOP 1670 by GC-FID (ISBN 011 752 222 8:1988)	A
Groundwater and Leachates	Sulphide	SOP 1325 by discrete colorimetric analyser	A



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
<p>WATERS (cont'd)</p> <p>Drinking water (non regulatory), Groundwater, Surface Water, Prepared Leachates, Process water (Ultra-Pure water), Recreational Water</p>	<p><u>Chemical Tests</u> (cont'd)</p> <p>Dissolved Metals only: Aluminium</p> <p>Arsenic Barium Beryllium Boron Cadmium Calcium Chromium Cobalt Copper Iron Lead Magnesium Manganese Mercury Molybdenum Nickel Potassium Selenium Silver Sodium Strontium Tin Vanadium Zinc</p>	<p>Documented In-House Methods based on/incorporating published procedures in the HMSO series 'Methods for the Examination of Water and Associated Materials' referenced by ISBN number and year (cont'd)</p> <p>SOP 1455 by ICP-Mass Spectroscopy</p>	A
<p>Ground Water and Leachates</p>	<p>Chemical Oxygen Demand</p>	<p>SOP 1100 by Colorimetry</p>	A
<p>Drinking water (non regulatory) Process water (Ultra-Pure water), Recreational water, Ground Water and Leachates</p>	<p>Chloride Phosphate Sulphate</p>	<p>SOP 1220 by discrete colorimetric analyser</p>	A



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WATERS (cont'd)	<u>Chemical Tests</u> (cont'd)		
Ground Water and Leachates	Fluoride Nitrite Total Oxidised Nitrogen Alkalinity Ammonium Nitrate (by calculation)	SOP 1220 by discrete colorimetric analyser	A
Ground Water	Free Cyanide Total Cyanide Thiocyanate	SOP 1300by continuous flow analyser	A
Ground Water	Hexavalent chromium	SOP1495 by Ion chromatography with post column derivatisation	A
Surface waters, groundwaters, and Laboratory prepared leachates	Total Organic Carbon Dissolved Organic Carbon	SOP 1610 by Catalytic Oxidation and IR detection	A
Process waters, Ground waters, Prepared leachates, Surface waters, Non-regulatory drinking waters	Alkalinity Chloride Fluoride Nitrite Total Oxidised Nitrogen (TON) Phosphate Sulphate Ammonium Hexavalent Chromium Sulphide Nitrate (by calculation)	SOP4001 using discrete colorimetric analyser	A
Trade effluents	Alkalinity Chloride Fluoride Nitrite Total Oxidised Nitrogen (TON) Sulphate Ammonium Hexavalent Chromium Nitrate (by calculation)	SOP4001 using discrete colorimetric analyser	A



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WATERS (cont'd) Recreational waters (natural)	<u>Chemical Tests</u> (cont'd) Nitrite Total Oxidised Nitrogen (TON) Phosphate Ammonium Hexavalent Chromium Sulphide Nitrate (by calculation)	SOP4001 using discrete colorimetric analyser	A
WASTEWATERS	<u>Chemical Tests and Physical Tests</u>		
Trade Effluent	pH	SOP 1010 by pH Meter (ISBN 011 751 252 4:1977)	A
Trade Effluent Treated Sewage Effluent	Ammonium	SOP 1220 by discrete colorimetric analyser	A
Trade Effluent Treated Sewage Effluent	COD	SOP 1100 by Colorimetry	A
Trade Effluent	Electrical Conductivity	SOP 1020 by Conductivity Meter (ISBN 011 751 428 4:1978)	A
Trade Effluent to Controlled Water and Trade Effluent to Sewer Treated Sewage Effluent	Ammonium	SOP 1220 by discrete colorimetric analyser	A
Trade Effluent to Controlled Water and Trade Effluent to Sewer Treated Sewage Effluent	COD	SOP 1100 by Colorimetry	A



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
WATERS (cont'd) Laboratory Prepared Leachates (single stage 10:1, & two stage 2:1 & 8:1)	<u>Chemical Tests</u> Trace Metals & Cations: Aluminium Arsenic Barium Beryllium Boron Cadmium Calcium Chromium Cobalt Copper Iron Lead Magnesium Manganese Mercury Molybdenum Nickel Potassium Selenium Silver Sodium Strontium Tin Vanadium Zinc	Documented in-house methods Including Waste Acceptance Criteria Leachate Preparation to BS EN 12457-2:2002 (SOP 0650) BS EN 12457-3:2002 (SOP 0640) SOP 1455 by ICP-MS	A
	Phenols: Resorcinol Phenol Cresols (methyl Phenols) Xylenols (dimethylphenols) Trimethylphenols	SOP 1920 by HPLC	A
	Electrical Conductivity	SOP 1020 by conductivity meter	A
	Total Organic Carbon Dissolved Organic Carbon	SOP 1610 by Catalytic Oxidation and IR Detection	A



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<p>WATERS (cont'd)</p> <p>Laboratory Prepared Leachates (single stage 10:1, & two stage 2:1 & 8:1)</p>	<p><u>Chemical Tests</u></p> <p>Chloride Phosphate Sulphate Fluoride Nitrite Total Oxidised Nitrogen Alkalinity Ammonium Nitrate (by calculation)</p>	<p>Documented in-house methods Including Waste Acceptance Criteria Leachate Preparation to BS EN 12457-2:2002 (SOP 0650) BS EN 12457-3:2002 (SOP 0640)</p> <p>SOP 1220 by Discrete Analyser</p>	A
<p>Soil</p>	<p>Moisture Content Stone Content Soil Description</p>	<p>SOP 2030 (at 105°C). Determination of Physical Properties of Soil Samples</p>	A
<p>RECYCLED WASTE</p> <p>Trommel Fines</p>	<p><u>Chemical Tests</u></p> <p>Loss on Ignition at 440°C</p>	<p>Documented in house method SOP 2620 by Gravimetry in accordance with HMRC Excise Notice LFT1 27 March 2015</p>	A
END			