

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

 2139 Accredited to ISO/IEC 17025:2005	Derwentside Environmental Testing Services Ltd	
	Issue No: 037 Issue date: 11 April 2012	
	Unit 2 Park Road Industrial Estate Consett Co Durham DH8 5PY	Contact: Mr L Morgan Tel: +44 (0)1207 582333 Fax: +44 (0)1207 582444 E-Mail: info@dets.co.uk Website: www.dets.co.uk
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
Address Unit 2 Park Road Industrial Estate Consett Co Durham DH8 5PY	Local contact Mr L Morgan	Environmental Analysis	A

Site activities performed away from the locations listed above:

Location details		Activity	Location code
Customer Premises		Sampling	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
LEACHATES WATER, PROCESS WATER, SALINE/SEA WATER, WASTE WATER, NATURAL	<u>Analysis</u>		
	pH value	Documented In-House Method No DETCS 2008 based on BS 1377:Part 3:1990	A
	Electrical Conductivity	Documented In-House Method No DETCS 2009	A
	Alkalinity	Documented In-House Method No DETS 030 based on Standing Committee of Analysts Methods (HMSO) ISBN 011 751 6015	A
	Biochemical Oxygen Demand	Documented In-House Method No DETSC 2031 based on Standing Committee of Analysts Method (HMSO) ISBN 011 752 2120, 1988, by meter	A
	Chemical Oxygen Demand	Documented In-House Method No DETSC 2032 based on Standing Committee of Analysts Method (HMSO) ISBN 011 751 9154, 1986, by colorimetry	A
	Suspended Solids	Documented In-House Method No DETSC 2034 based on Standing Committee of Analysts Method (HMSO) ISBN 011 751 957 X, 1980	A
	Total Dissolved Solids	Documented In-House Method No DETSC 2035 based on Standing Committee of Analysts Method (HMSO) ISBN 011 751 957 X, 1980	A
Sulphate content	Documented In-House Method No DETSC 2004 based on BS 1377:Part 3:1990	A	



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LEACHATES WATER, PROCESS WATER, SALINE/SEA WATER, WASTE WATER, NATURAL (cont'd)	<u>Analysis</u> (cont'd)		
	Chloride content	Documented In-House Method No DETSC 2006 based on BS 1377:Part 3:1990	A
	Anions, comprising: Bromide Chloride Fluoride Nitrate Nitrite Phosphate Sulphate	Documented In-House Method No DETSC 2055 by ion chromatography based on EPA 9056A (Rev 1 November 2000)	A
	Thiocyanate	Documented In-House Method No DETS 025 based on Standard Methods for the Examination of Water & Waste Water - Part 4500-CN C+D	A
	Boron (soluble)	Documented In-House Method No DETS 020 by colorimetry	A
	Selenium	Documented In-House Method No DETSC 2351 using AAS	A
	Metals: Aluminium Arsenic Cadmium Calcium Chromium Copper Iron Lead Magnesium Manganese Nickel Potassium Selenium Sodium Zinc	Documented In-House Method No DETSC 2302 by ICP-OES based on Standing Committee of Analysts Method (HMSO) ISBN 011 753 2444	A



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LEACHATES WATER, PROCESS WATER, SALINE/SEA WATER, WASTE WATER, NATURAL (cont'd)	<u>Analysis</u> (cont'd)		
	Elemental Sulphur	Documented In-House Method No DETSC 3049 by HPLC based on standing committee of Analysts Method (HMSO) ISBN 011 751 726 7	A
	Oil and Grease (Hexane extractable material) Cyclohexane Extractable Material Toluene Extractable Material	Documented In-House Method No DETSC 3002 by extraction/ gravimetry	A
	Thiocyanate	Documented In-House Method No DETSC 2130	A
	Cyanide (total)	Documented In-House Method No DETSC 2130	A
	Cyanide (free)	Documented In-House Method No DETSC 2130	A
	Phenol (monohydric)	Documented In-House Method No DETSC 2130	A
	Volatile Organic Compounds (VOCs), specifically: Benzene Ethylbenzene Methyl-tert-butyl-ether (MTBE) Toluene o-Xylene (m+p)-Xylenes	Documented In-House Method No DETSC 3322	A
Extractable Petroleum Hydrocarbons (EPH) (C ₁₀ -C ₄₀)	Documented In-House Method No DETSC 3311 by GC-FID		
PREPARED LEACHATES WATER, CLEAN WATER, PROCESS WATER, WASTE WATER, NATURAL	Mercury	Documented In-House Method No DETSC 2324 by atomic fluorescence	A



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LEACHATES WATER, CLEAN WATER, NATURAL	<u>Analysis</u> (cont'd)		
	Ammonia	Documented In-House Method No DETSC 2120 based on standing committee of Analysts Method (HMSO) ISBN 011 7516 139, 1981	A
	Nitrite	Documented In-House Method No DETSC 2201 by KONELAB 60i	A
	TON	Documented In-House Method No DETSC 2202 by KONELAB 60i	A
	Hexavalent Chromium	Documented In-House Method No DETSC 2203 by KONELAB 60i	A
	Phosphorous (Soluble reactive)	Documented In-House Method No DETSC 2205 by KONELAB 60i	A
	High level Ammonia	Documented In-House Method No DETSC 2206 by KONELAB 60i	A
	Low Level Ammonia	Documented In-House Method No DETSC 2207 by KONELAB 60i	A
LEACHATES (from soils), TAP WATER (non-regulatory), RIVER WATER AND GROUNDWATER	Sulphide	Documented In-House Method No DETSC 2208 by KONELAB 60i	A
	Petroleum range hydrocarbons (PRO) including banding: Total PRO C ₅ -C ₁₀ PRO C ₅ -C ₆ PRO C ₆ -C ₈ PRO C ₈ -C ₁₀ Total Aliphatic C ₅ -C ₁₀ Aliphatic C ₅ -C ₆ Aliphatic >C ₆ -C ₈ Aliphatic >C ₈ -C ₁₀ Total Aromatic C ₅ -C ₁₀ Aromatic C ₅ -C ₇ Aromatic >C ₇ -C ₈ Aromatic >C ₈ -C ₁₀	Documented in house method No DETSC 3322 using GC-FID	A



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LEACHATES (from soils), TAP WATER (non-regulatory), EFFLUENT, RIVER WATER AND GROUNDWATER	<u>Analysis</u> (cont'd) Polycyclic Aromatic Hydrocarbons (PAH's) specifically: Naphthalene Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene Benz[a]anthracene Chrysene Benzo[b]fluoranthene Benzo[k]fluoranthene Benzo[a]pyrene Dibenz[a,h]anthracene Indeno[1,2,3-cd]pyrene Benzo[ghi]perylene Total PAH (sum of EPA 16)	Documented in house method No DETSC 3304 using GC-MS	A
	Polychlorinated Biphenyls (PCB's) specifically: PCB 28 PCB 52 PCB 101 PCB 118 + PCB 123 PCB 153 PCB 138 PCB 180 PCB 105 PCB 114 PCB 126 PCB 156 PCB 157 PCB 167 PCB 169 PCB 189 PCB 77 PCB 81	Documented in house method No DETSC 3402 using GC-MS	A



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TAP WATER (non-regulatory), GROUNDWATER and PREPARED LEACHATE	<u>Analysis</u> (cont'd)		
	Antimony	Documented In-House Method No DETSC 2328 Using atomic fluorescence spectroscopy	A
TAP WATER (non-regulatory), RIVER WATER, GROUNDWATER AND LEACHATE	Arsenic	Documented In-House Method No DETSC 2326 Using atomic fluorescence spectroscopy	A
	Total Organic Carbon (TOC) Range - 3 - 30mg/l Range - 30 - 300mg/l	Documented In-House Method No DETSC 2033 by spectrophotometry	A
LEACHATES, RIVER WATER AND GROUNDWATER	pH	Documented In-House Method No DETSC 2008 by voltametry	A
	Conductivity	Documented In-House Method No DETSC 2009 by voltametry	A
	Alkalinity	Documented In-House Method No DETS 030 by voltametry	A
SURFACE AND GROUNDWATERS			
	Boreholes	DETSC. SOP 4102 - Spot sampling of water from Boreholes	B
Rivers, Streams, Lakes and Ponds	<u>Sampling For:</u> Chemical Testing	DETSC. SOP 4103 - Spot sampling of surface waters	B
SOILS SEDIMENTS	<u>Chemical Analysis</u>		
	pH value	Documented In-House Method No DETSC 2008 based on BS 1377:Part 3:1990	A
	Electrical Conductivity	Documented In-House Method No DETSC 2009	A
	Organic Matter Content	Documented In-House Method No DETSC 2002 based on BS 1377:Part 3:1990	A



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SOILS SEDIMENTS cont'd)	<u>Chemical Analysis</u> (cont'd)		
	Loss on Ignition	Documented In-House Method No DETSC 2003 based on BS 1377:Part 3:1990	A
	Sulphate content	Documented In-House Method No DETSC 2004 based on BS 1377:Part 3:1990	A
	Water Soluble Chloride content	Documented In-House Method No DETSC 2006 based on BS 1377:Part 3:1990	A
	Acid Soluble Chloride content	Documented In-House Method No DETSC 2007 based on BS 1377:Part 3:1990	A
	Anions, comprising: Bromide Chloride Fluoride Nitrate Nitrite Phosphate Sulphate	Method No DETSC 2055 by ion chromatography based on EPA 9056A (Rev 1 November 2000)	A
	Sulphide	Documented In-House Method No DETS 024 based on standing committee of Analysts Method (HMSO) ISBN 011 751 718 6	A
	Thiocyanate	Documented In-House Method No DETS 025 based on Standard Methods for the Examination of Water & Waste Water - Part 4500-CN C+D	A
Cyanide (free) Cyanide (total)	Documented In-House Method DETS 021 based on Standard Methods for the Examination of Water and Waste Water - Part 4500-CN C+D	A	



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SOILS SEDIMENTS (cont'd)	<u>Chemical Analysis</u> (cont'd)		
	Boron (water soluble)	Documented In-House Method No DETS 020 by colorimetry	A
	Mercury	Documented In-House Method No DETSC 2325 by atomic fluorescence	A
	Metals: Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper Iron Lead Manganese Molybdenum Nickel Selenium Vanadium Zinc	Documented In-House Method No DETS 042 by ICP-OES based on Standing Committee of Analysts Method (HMSO) ISBN 011 753 2444	A
	Sulphur (total)	Documented In-House Method No DETSC 2320 by ICP-OES	A
	Elemental Sulphur	Documented In-House Method No DETSC 3049 by HPLC based on standing committee of Analysts Method (HMSO) ISBN 011 751 726 7	A
	Cyclohexane Extractable Material Toluene Extractable Material	In-House Method No DETSC 3002 by extraction/gravimetry	A



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SOILS SEDIMENTS (cont'd)	<u>Chemical Analysis</u> (cont'd)		
	Volatile Organic Compounds (VOCs), specifically: Benzene Ethylbenzene Methyl-tert-butyl-ether (MTBE) Toluene o-Xylene (m+p)-Xylenes	Documented In-House Method No DETSC 3321	A
	Extractable Petroleum Hydrocarbons (EPH) (C ₁₀ -C ₄₀) Diesel Range (C ₁₀ -C ₂₄) Mineral Oil Range (C ₂₄ -C ₄₀)	Documented In-House Method No DETSC 3311 by GC-FID	A
	Polycyclic Aromatic Hydrocarbons (PAHs)	Documented In-House Method No DETSC 3301 by GC based on EPA 8100 and BG Soil Analysis 1999	A
SOILS	Polychlorinated Biphenyls (total)	Documented In-House Method No DETSC 3401 by GC-MS	A
	<u>Analysis</u>		
	Sulphate (total)	Documented In-House Method No DETSC 2321 by ICP-OES	A
	Sulphate (water soluble)	Documented In-House Method No DETSC 2076 (ICP-OES)	A
	Ammonia	Documented In-House Method No DETSC 2119	A
	Thiocyanate	Documented In-House Method No DETSC 2130	A
	Cyanide (total)	Documented In-House Method No DETSC 2130	A
	Cyanide (free)	Documented In-House Method No DETSC 2130	A
Phenol (monohydric)	Documented In-House Method No DETSC 2130	A	



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SOILS (cont'd)	<u>Analysis</u> (cont'd) Extractable Petroleum Hydrocarbons (EPH), C ₁₀ -C ₃₅ , specifically: Total EPH (C ₁₀ -C ₃₅) C ₁₀ -C ₁₂ (EPH) C ₁₂ -C ₁₆ (EPH) C ₁₆ -C ₂₁ (EPH) C ₂₁ -C ₃₅ (EPH) Total Extractable Aliphatic Hydrocarbons (C ₁₀ -C ₃₅) C ₁₀ -C ₁₂ (aliphatic) C ₁₂ -C ₁₆ (aliphatic) C ₁₆ -C ₂₁ (aliphatic) C ₂₁ -C ₃₅ (aliphatic) Total Extractable Aromatic Hydrocarbons (C ₁₀ -C ₃₅) C ₁₀ -C ₁₂ (aromatic) C ₁₂ -C ₁₆ (aromatic) C ₁₆ -C ₂₁ (aromatic) C ₂₁ -C ₃₅ (aromatic)	Documented In-House Method DETSC 3072 by GC-FID	A
	Polychlorinated Biphenyls (total), comprising: PCB 28 / 31 PCB 52 PCB 101 PCB 118 PCB 138 PCB 153 PCB 180	Documented In-House Method No DETSC 3401 by GC-MS	A
	Polyaromatic Hydrocarbons, comprising: Naphthalene Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene	Documented in house method No DETSC 3303 by GC-MS	A



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SOILS (cont'd)	<u>Analysis</u> (cont'd)		
	Polyaromatic Hydrocarbons, comprising: (cont'd)	Documented in house method No DETSC 3303 by GC-MS (cont'd)	A
	Benzo(a)pyrene Dibenzo(a,h)anthracene Indeno(1,2,3-cd)pyrene Benzo(ghi)perylene Total PAH's (Sum of EPA 16)		
	Gross Calorific value	Documented In-House Method No DETSC 5008 using Bomb calorimetry	A
	Net Calorific value	Documented in house calculation	A
COAL, BIOMASS and SOLID RECOVERED FUELS	Total Moisture	Documented In-House Method No DETSC 5004 using gravimetric techniques	A
	Analysis Moisture	Documented In-House Method No DETSC 5005 using gravimetric techniques	A
	Volatile matter	Documented In-House Method No DETSC 5003 using gravimetric techniques	A
	Gross Calorific value	Documented In-House Method No DETSC 5007 using Bomb calorimetry	A
	Net Calorific value	Documented in house calculation	A
COAL	Ash Content	Documented In-House Method No DETSC 5001 using gravimetric techniques	A
BIOMASS and SOLID RECOVERED FUELS	Ash Content	Documented In-House Method No DETSC 5002 using gravimetric techniques	A
SOLID RECOVERED FUELS AND BIOMASS	Mercury	Documented In-House Method No DETSC 5015 using Cold Vapour Atomic Fluorescence	A



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SOLID RECOVERED FUELS AND BIOMASS Individual elements marked SRF are not accredited for BIOMASS	<u>Analysis</u> (cont'd)	Documented In-House Method No DETSC 5014 using ICP-OES	A
	<u>Metals</u> Aluminium Arsenic (SRF) Cadmium Calcium Cobalt Chromium Copper Lead Magnesium Manganese Nickel Phosphorous Potassium Selenium Sodium (SRF) Thallium Tin Vanadium Zinc		
COAL, BIOMASS and SOLID RECOVERED FUELS	Sulphur	Documented In-House Method No DETSC 5016 using ICP-OES	A
	Bromine Chlorine Fluorine Sulphur	Documented In-House Method No DETSC 5017 using Ion Chromatography	A
BIOMASS and SOLID RECOVERED FUELS	Biomass Content	Documented In-House Method No DETSC 5012 based on DD/CEN/TS 15440:2006 Annex B Selective Dissolution Method, using Gravimetry	A
COAL, BIOMASS and SOLID RECOVERED FUELS	Carbon, Hydrogen, Nitrogen	Documented In-House Method No DETSC 5013 using CHN analyser	A
	Oxygen (by calculation)	Documented In-House Method No DETSC 5013 by calculation	A



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COAL, BIOMASS and SOLID RECOVERED FUELS	<u>Analysis</u> (cont'd) Magnesium Aluminium Silicon Phosphorus Potassium Calcium Titanium Iron Sodium Chromium Nickel Copper Zinc Arsenic Tin Cadmium Thorium Mercury Vanadium Cobalt Manganese Antimony Molybdenum	Documented in house method ref DETSC 5018 - using XRF	A
CEMENTS	Calcium Oxide (CaO) Silicon dioxide (SiO ₂) Aluminium Oxide (Al ₂ O ₃) Iron Oxide (Fe ₂ O ₃) Sulphite (SO ₃) Magnesium Oxide (MgO) Potassium Oxide (K ₂ O) Phosphate (P ₂ O ₅) Manganese Oxide (Mn ₂ O ₃) Titanium Oxide (TiO ₂) Strontium Oxide (SrO) Chlorine Barium Oxide (BaO) Dichromate (Cr ₂ O ₃) Zinc Oxide (ZnO) Vanadium Pentoxide (V ₂ O ₅) Copper Oxide (CuO) Rbidium Oxide (Rb ₂ O) Lead Oxide (PbO) Sodium Oxide (Na ₂ O)	Documented in house method ref DETSC 5018 - using XRF	



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ASBESTOS IN BULK MATERIALS and SOILS	<u>Health and Hygiene</u> Identification of: Amosite Chrysotile Crocidolite Fibrous Actinolite Fibrous Anthophyllite Fibrous Tremolite	Health and Safety Executive Asbestos: The analysts' guide for sampling, analysis and clearance procedures (HSG 248) HSG 248:February 2005 by Documented In-House Procedure DETS 082 using stereo microscopy, polarised light microscopy and dispersion staining	A
ASBESTOS IN SOILS/ AGGREGATES & BALLAST (Fibre Screening/ Identification and Quantification of asbestos)	Asbestos Fibre Screening/ Identification and Quantification of asbestos content: Amosite Chrysotile Crocidolite Fibrous Actinolite Fibrous Anthophyllite Fibrous Tremolite	Documented in house method ref DETSC 1102 using gravimetry and phase contrast microscopy	A
ASBESTOS MATERIALS	Water Absorption	Documented in house procedure DETSC 1103	A
SOILS	<u>Analysis</u>	Documented In-House Method to meet the requirements of the Environment Agency MCERTS Performance Standard - Chemical Testing of Soil	
	pH value	Documented In-House Method No DETSC 2008 by voltametry	A
	Loss on Ignition	Documented In-House Method No DETSC 2003 based on BS 1377:Part 3:1990	A
	Organic Matter Content	Documented In-House Method No DETSC 2002 based on BS 1377:Part 3:1990	A



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SOILS (cont'd)	<u>Analysis</u> (cont'd)	Documented In-House Method to meet the requirements of the Environment Agency MCERTS Performance Standard - Chemical Testing of Soil (cont'd)	
	Total Organic Carbon (TOC)	Documented In-House Method No DETSC 2084 by combustion and infra-red detection	A
	Sulphate (total)	Documented In-House Method No DETSC 2321 by ICP-OES	A
	Sulphate (water soluble)	Documented In-House Method No DETSC 2004 based on BS 1377:Part 3:1990 Documented In-House Method No DETSC 2076 (ICP-OES)	A
	Sulphate (acid soluble)	Documented In-House Method No DETSC 2004	A
	Chloride (water soluble)	Documented In-House Method No DETSC 2006 based on BS 1377:Part 3:1990	A
	Ammonia	Documented In-House Method No DETSC 2119	A
	Thiocyanate	Documented In-House Method No DETSC 2130	A
	Sulphide	Documented In-House Method No DETSC 2024 based on standing committee of Analysts Method (HMSO) ISBN 011 751 718 6	A
	Cyanide (total)	Documented In-House Method No DETSC 2130	A
	Cyanide (free)	Documented In-House Method No DETSC 2130	
	Boron (water soluble)	Documented In-House Method No DETS 020 by colorimetry	A



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SOILS (cont'd)	<u>Analysis</u> (cont'd)	Documented In-House Method to meet the requirements of the Environment Agency MCERTS Performance Standard - Chemical Testing of Soil (cont'd)	
	Mercury	Documented In-House Method No DETSC 2325 by atomic fluorescence	A
	Sulphur (elemental)	Documented In-House Method No DETSC 3049 by HPLC based on Standing Committee of Analysts Method (HMSO) ISBN 011 751 726 7	A
	Metals: Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper Lead Manganese Molybdenum Nickel Selenium Vanadium Zinc	Documented In-House Method No DETS 042 by ICP-OES based on Standing Committee of Analysts Method (HMSO) ISBN 011 753 2444	A
	Phenol (monohydric)	Documented In-House Method No DETSC 2130	A
	Volatile Organic Compounds (VOCs), specifically: Benzene Ethylbenzene Toluene o-Xylene (m+p)-Xylenes	Documented In-House Method No DETSC 3321	A
	Extractable Petroleum Hydrocarbons (EPH) (C ₁₀ -C ₄₀) Diesel Range (C ₁₀ -C ₂₄) Mineral Oil Range (C ₂₄ -C ₄₀)	Documented In-House Method No DETSC 3311 by GC-FID	



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
SOILS (cont'd)	<u>Analysis</u> (cont'd)	Documented In-House Method to meet the requirements of the Environment Agency MCERTS Performance Standard - Chemical Testing of Soil (cont'd)	
	Extractable Petroleum Hydrocarbons (EPH), C ₁₀ -C ₃₅ , specifically: Total EPH (C ₁₀ -C ₃₅) C ₁₀ -C ₁₂ (EPH) C ₁₂ -C ₁₆ (EPH) C ₁₆ -C ₂₁ (EPH) C ₂₁ -C ₃₅ (EPH) Total Extractable Aliphatic Hydrocarbons (C ₁₀ -C ₃₅) C ₁₀ -C ₁₂ (aliphatic) C ₁₂ -C ₁₆ (aliphatic) C ₁₆ -C ₂₁ (aliphatic) C ₂₁ -C ₃₅ (aliphatic)	Documented In-House Method DETSC 3072 by GC-FID	A
	Extractable Petroleum Hydrocarbons (EPH), C ₁₀ -C ₃₅ , specifically: Total Extractable Aromatic Hydrocarbons (C ₁₀ -C ₃₅) C ₁₀ -C ₁₂ (aromatic) C ₁₂ -C ₁₆ (aromatic) C ₁₆ -C ₂₁ (aromatic) C ₂₁ -C ₃₅ (aromatic)	Documented In-House Method DETSC 3072 by GC-FID and GC-MS	A
Polychlorinated Biphenyls (total), comprising: PCB 28 / 31 PCB 52 PCB 101 PCB 118 PCB 138 PCB 153 PCB 180	Documented In-House Method No DETSC 3401 by GC-MS	A	



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Testing performed by the Organisation at the locations specified

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
SOILS (cont'd)	<u>Analysis</u> (cont'd) Polyaromatic Hydrocarbons, comprising: Naphthalene Acenaphthylene Acenaphthene Phenanthrene Pyrene Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Dibenzo(a,h)anthracene Indeno(1,2,3-cd)pyrene Benzo(ghi)perylene	Documented In-House Method to meet the requirements of the Environment Agency MCERTS Performance Standard - Chemical Testing of Soil (cont'd) Documented in house method No DETSC 3303 by GC-MS	
WASTEWATERS		Documented In-House Method to meet the requirements of the Environment Agency MCERTS Performance Standard - sampling and chemical testing of untreated sewage, sewage effluent and trade effluent	
Trade effluent to sewer	On-site measurement of: Temperature	Method DETSC SOP 4101 using digital thermometer	B
Trade effluent to sewer	<u>Sampling For:</u> Chemical Testing	Method DETSC SOP 4101 using manual spot sampling	B
Trade effluent to sewer	Chemical Testing Metals: Aluminium Cadmium Chromium Copper Nickel Lead Zinc	Method DETSC 2302 using ICP-OES	A



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
WASTEWATERS (cont'd)	<u>Analysis</u> (cont'd)	Documented In-House Method to meet the requirements of the Environment Agency MCERTS Performance Standard - sampling and chemical testing of untreated sewage, sewage effluent and trade effluent (cont'd)	
Trade effluents to sewer and controlled waters	pH	Method DETSC 2008 by voltammetry (manual or automated meter)	A
	Phosphorous (Soluble reactive)	Method DETSC 2205 by colorimetry	A
	Alkalinity	Method DETS 030 by automated titration	A
	Biochemical Oxygen Demand	Method DETS 2031 by Meter	A
	Chemical Oxygen Demand	Method DETSC 2032 by Colorimetry	A
	Suspended Solids	Method DETSC 2034 by Gravimetry	A
	Hydrocarbon Oils (Oil and Grease)	Method DETSC 3002 by Gravimetry (hexane extraction)	A

END