Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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



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Accredited to ISO/IEC 17025:2017

Irwell Laboratory Services Ltd

Issue No: 001 Issue date: 15 August 2025

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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
ATMOSPHERIC POLLUTANTS AND EFFLUENTS - STACK GAS SAMPLES	<u>Chemical Tests</u>	National, European, International and Environment Agency specified standards including MIDs and Documented In-House work instructions to meet the requirements of the Environment Agency (MCERTS) Performance Standard for laboratories carrying out testing of samples from stack emissions monitoring
Filters, probe and impinger rinses (acetone, toluene, and water), XAD-2 resin trap and tubes	Poly Chlorinated Dibenzo-p-Dioxins (PCDD) 2,3,7,8-TCDD 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDD 1,2,3,4,6,7,8-HxCDD 1,2,3,4,6,7,8-HpCDD OCDD Poly Chlorinated Dibenzo Furans (PCDF) 2,3,7,8-TCDF 1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HXCDF 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HxCDF 1,2,3,4,6,7,8-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF 1,2,3,4,7,8,9-HpCDF OCDF	BS EN 1948-2:2006 and BS EN 1948-3:2006 High Resolution Gas Chromatography / High Resolution Mass Spectrometry (HRGC / HRMS) SOP 1



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
ATMOSPHERIC POLLUTANTS AND EFFLUENTS - STACK GAS SAMPLES (cont'd)	Chemical Tests (cont'd)	National, European, International and Environment Agency specified standards including MIDs and Documented In-House work instructions to meet the requirements of the Environment Agency (MCERTS) Performance Standard for laboratories carrying out testing of samples from stack emissions monitoring
Filters, probe and impinger rinses (acetone, toluene, and water), XAD-2 resin trap and tubes	PCB-77 PCB-81 PCB-105 PCB-114 PCB-118 PCB-123 PCB-156 PCB-157 PCB-167 PCB-169 PCB-189	BS EN 1948-2:2006 & BS EN 1948-4:2010+A1:2013 High Resolution Gas Chromatography / High Resolution Mass Spectrometry (HRGC / HRMS) SOP 1



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ATMOSPHERIC POLLUTANTS AND EFFLUENTS - STACK GAS SAMPLES (cont'd)	Chemical Tests (cont'd)	National, European, International and Environment Agency specified standards including MIDs and Documented In-House work instructions to meet the requirements of the Environment Agency (MCERTS) Performance Standard for laboratories carrying out testing of samples from stack emissions monitoring
Filters, probe and impinger rinses (acetone, toluene, and water), XAD-2 resin trap and tubes	Polycyclic Aromatic Hydrocarbons (PAH's) Naphthalene Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene Benzo[b]naphtho[2,1-d]thiophene Benzo[c]phenanthrene Benzo[a]anthracene Cyclopenta[cd]pyrene Chrysene Benzo[b]Fluoranthene Benzo[b]Fluoranthene Benzo[j]fluoranthene Benzo[j]fluoranthene Cholanthrene Benzo[e]pyrene Benzo[a]pyrene Indeno[1,2,3-cd]pyrene Dibenzo[a,h]anthracene Benzo[ghi]perylene Anthanthrene Coronene Dibenzo[a,i]pyrene	BS ISO 11338-2:2003 Gas Chromatography / Mass Spectrometry (GC / MS - QQQ) SOP 2



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
ATMOSPHERIC POLLUTANTS AND EFFLUENTS - STACK GAS SAMPLES (cont'd)	Chemical Tests (cont'd)	Documented In-House work instructions based on the following National, International and other recognised standards
Filters, probe and impinger rinses (acetone, toluene, and water), XAD-2 resin trap and tubes (cont'd)	Poly Chlorinated Dibenzo-p-Dioxins (PCDD) 2,3,7,8-TCDD 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDD OCDD Poly Chlorinated Dibenzo Furans (PCDF) 2,3,7,8-TCDF 1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,4,7,8-HxCDF 1,2,3,4,6,7,8-HxCDF 1,2,3,4,6,7,8-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDF	BS EN 1948-2:2006 and BS EN 1948-3:2006 or US EPA Method 23 High Resolution Gas Chromatography / High Resolution Mass Spectrometry (HRGC / HRMS) SOP 1



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
ATMOSPHERIC POLLUTANTS AND EFFLUENTS - STACK GAS SAMPLES (cont'd)	Chemical Tests (cont'd)	Documented In-House work instructions based on the following National, International and other recognised standards
Filters, probe and impinger rinses (acetone, toluene, and water), XAD-2 resin trap and tubes (cont'd)	Poly Chlorinated Biphenyls (PCB's) PCB-77 PCB-81 PCB-105 PCB-114 PCB-118 PCB-123 PCB-126 PCB-156 PCB-157 PCB-167 PCB-169 PCB-189	BS EN 1948-2:2006 & BS EN 1948-4:2010+A1:2013 or US EPA Method 23 High Resolution Gas Chromatography / High Resolution Mass Spectrometry (HRGC / HRMS) SOP 1
ATMOSPHERIC POLLUTANTS AND EFFLUENTS – AIR SAMPLES		Documented In-House Methods based on the following national, international and other recognised standards
XAD-2 Resin / Polyurethane Foam (PUF)	Poly Chlorinated Dibenzo-p-Dioxins (PCDD) 2,3,7,8-TCDD 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDD 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDD OCDD	Based on US EPA Method 1613b:1994 High Resolution Gas Chromatography / High Resolution Mass Spectrometry (HRGC / HRMS) SOP 1



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ATMOSPHERIC POLLUTANTS AND EFFLUENTS – AIR SAMPLES (cont'd) XAD-2 Resin / Polyurethane Foam (PUF) (cont'd) Poly Chlorinated Dibenzo Furans (PCDF) 2,3,7,8-PcDF 1,2,3,7,8-PcDF 1,2,3,4,7,8-PcDF 1,2,3,4,7,8-HxCDF 1,2,3,4,7,8-HxCDF 1,2,3,4,7,8-HxCDF 1,2,3,4,7,8-HxCDF 1,2,3,4,7,8-HyCDF 1,2,3,4,7,8-HyCD
PCB-156 PCB-157 PCB-169 PCB-189



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
ATMOSPHERIC POLLUTANTS AND EFFLUENTS – AIR SAMPLES	<u>Chemical Tests</u> (cont'd)	Documented In-House Methods based on the following national, international and other recognised standards
XAD-2 Resin / Polyurethane Foam (PUF)	Polycyclic Aromatic Hydrocarbons (PAH's) Naphthalene Acenaphthylene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene Benzo[b]naphtho[2,1-d]thiophene Benzo[c]phenanthrene Benzo[a]anthracene Cyclopenta[cd]pyrene Chrysene Benzo[b]Fluoranthene Benzo[k]fluoranthene Benzo[j]fluoranthene Benzo[j]pyrene Benzo[a]pyrene Indeno[1,2,3-cd]pyrene Dibenzo[a,h]anthracene Benzo[ghi]perylene Anthanthrene Coronene Dibenzo[a,i]pyrene	Based on BS ISO 11338-2:2003 Gas Chromatography / Mass Spectrometry (GC / MS - QQQ) SOP 2



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Materials/Products tested	Type of test/Properties	Standard specifications/
·	measured/Range of measurement	Equipment/Techniques used
ENVIRONMENTAL SAMPLES	<u>Chemical Tests</u> (cont'd)	Documented In-House Methods based on the following national, international and other recognised standards
ASH DUST SEDIMENT SOILS SLUDGE	Poly Chlorinated Dibenzo-p-Dioxins (PCDD) 2,3,7,8-TCDD 1,2,3,7,8-PeCDD 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDD OCDD Poly Chlorinated Dibenzo Furans (PCDF) 2,3,7,8-TCDF 1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HXCDF 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDF	Based on EPA 1613b:1994 High Resolution Gas Chromatography / High Resolution Mass Spectrometry (HRGC / HRMS) SOP 1



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ENVIRONMENTAL SAMPLES	Chemical Tests (cont'd)	Documented In-House Methods based on the following national, international and other recognised standards
ASH DUST SEDIMENT SOILS SLUDGE (cont'd)	Poly Chlorinated Biphenyls (PCB's) PCB-77 PCB-81 PCB-105 PCB-114 PCB-118 PCB-123 PCB-126 PCB-156 PCB-157 PCB-169 PCB-169 PCB-189 PCB 28 PCB 52 PCB 101 PCB 118	Based on EPA 1668C:2010 High Resolution Gas Chromatography / High Resolution Mass Spectrometry (HRGC / HRMS) SOP 1
	END	