


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>31004</p> <p>Accredited to ISO/IEC 17025:2017</p>	<p>Irwell Laboratory Services Ltd</p> <p>Issue No: 002 Issue date: 19 February 2026</p>	
	<p>16 Bentinck Street Ashton-under-Lyne Manchester OL7 0PT</p>	<p>Contact: Mr Robert Potts Tel: +44 (0) 7969 077143 E-Mail: rob.potts@irwell-labs.uk Website: www.irwell-labs.uk</p>
<p>Testing performed at the above address only</p>		

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	<u>Poly Chlorinated Dibenzo-p-Dioxins (PCDD)</u> 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 <u>Poly Chlorinated Dibenzo Furans (PCDF)</u> 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 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 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)	<u>Chemical Tests</u> (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	<u>Poly Brominated Dibenzo-Dioxins (PBDD):</u> 2,3,7,8-TBDD 1,2,3,7,8-PeBDD 1,2,3,4,7,8-HxBDD /1,2,3,6,7,8-HxBDD 1,2,3,7,8,9-HxBDD 1,2,3,4,6,7,8-HpBDD Octa-BDD	BS EN 1948-2:2006 and BS EN 1948-3:2006 High Resolution Gas Chromatography / High Resolution Mass Spectrometry (HRGC / HRMS) SOP 3
Filters, probe and impinger rinses (acetone, toluene, and water), XAD-2 resin trap and tubes	<u>Poly Brominated Dibenzo-Furans (PBDF)</u> 2,3,7,8-TBDF 1,2,3,7,8-PeBDF 2,3,4,7,8-PeBDF 1,2,3,4,7,8-HxBDF/1,2,3,6,7,8-HXBDF 1,2,3,4,6,7,8-HpBDF Octa-BDF	
Filters, probe and impinger rinses (acetone, toluene, and water), XAD-2 resin trap and tubes	<u>Poly Chlorinated Biphenyls (PCB's)</u> 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 High Resolution Gas Chromatography / High Resolution Mass Spectrometry (HRGC / HRMS) SOP 1



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<p>ATMOSPHERIC POLLUTANTS AND EFFLUENTS - STACK GAS SAMPLES (cont'd)</p> <p>Filters, probe and impinger rinses (acetone, toluene, and water), XAD-2 resin trap and tubes</p>	<p><u>Chemical Tests</u> (cont'd)</p> <p><u>Polycyclic Aromatic Hydrocarbons (PAH's)</u></p> <p>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 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</p>	<p>National, European, International and Environment Agency specified standards including MID's 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</p> <p>BS ISO 11338-2:2003 Gas Chromatography / Mass Spectrometry (GC / MS - QQQ) SOP 2</p>



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<p>ATMOSPHERIC POLLUTANTS AND EFFLUENTS - STACK GAS SAMPLES (cont'd)</p> <p>Filters, probe and impinger rinses (acetone, toluene, and water), XAD-2 resin trap and tubes</p>	<p><u>Chemical Tests</u> (cont'd)</p> <p><u>Poly Chlorinated Dibenzo-p-Dioxins (PCDD)</u></p> <p>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</p> <p><u>Poly Chlorinated Dibenzo Furans (PCDF)</u></p> <p>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 2,3,4,6,7,8-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDF</p>	<p>Documented In-House work instructions based on the following National, International and other recognised standards</p> <p>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</p>



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<p>ATMOSPHERIC POLLUTANTS AND EFFLUENTS - STACK GAS SAMPLES (cont'd)</p> <p>Filters, probe and impinger rinses (acetone, toluene, and water), XAD-2 resin trap and tubes</p>	<p><u>Chemical Tests</u> (cont'd)</p> <p><u>Poly Brominated Dibenzo-Dioxins (PBDD):</u></p> <p>2,3,7,8-TBDD 1,2,3,7,8-PeBDD 1,2,3,4,7,8-HxBDD /1,2,3,6,7,8-HxBDD 1,2,3,7,8,9-HxBDD 1,2,3,4,6,7,8-HpBDD Octa-BDD</p> <p><u>Poly Brominated Dibenzo-Furans (PBDF)</u></p> <p>2,3,7,8-TBDF 1,2,3,7,8-PeBDF 2,3,4,7,8-PeBDF 1,2,3,4,7,8-HxBDF/1,2,3,6,7,8-HXBDF 1,2,3,4,6,7,8-HpBDF Octa-BDF</p>	<p>Documented In-House work instructions based on the following National, International and other recognised standards</p> <p>BS EN 1948-2:2006 and BS EN 1948-3:2006 High Resolution Gas Chromatography / High Resolution Mass Spectrometry (HRGC / HRMS) SOP 3</p>
<p>Filters, probe and impinger rinses (acetone, toluene, and water), XAD-2 resin trap and tubes (cont'd)</p>	<p><u>Poly Chlorinated Biphenyls (PCB's)</u></p> <p>PCB-77 PCB-81 PCB-105 PCB-114 PCB-118 PCB-123 PCB-126 PCB-156 PCB-157 PCB-167 PCB-169 PCB-189</p>	<p>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</p>



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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)	<u>Poly Chlorinated Dibenzo-p-Dioxins (PCDD)</u> 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 <u>Poly Chlorinated Dibenzo Furans (PCDF)</u> 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 2,3,4,6,7,8-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDF	Based on US EPA Method 1613b:1994 High Resolution Gas Chromatography / High Resolution Mass Spectrometry (HRGC / HRMS) SOP 1
XAD-2 Resin / Polyurethane Foam (PUF)	<u>Poly Chlorinated Biphenyls (PCB's)</u> PCB-77 PCB-81 PCB-105 PCB-114 PCB-118 PCB-123 PCB-126 PCB-156 PCB-157 PCB-167 PCB-169 PCB-189	Based on US EPA Method 1668C:2010 High Resolution Gas Chromatography / High Resolution Mass Spectrometry (HRGC / HRMS) SOP 1



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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)	<u>Polycyclic Aromatic Hydrocarbons (PAH's)</u> 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 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	Based on BS ISO 11338-2:2003 Gas Chromatography / Mass Spectrometry (GC / MS - QQQ) SOP 2



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<p>ENVIRONMENTAL SAMPLES</p> <p>ASH DUST SEDIMENT SOILS SLUDGE</p>	<p><u>Chemical Tests</u> (cont'd)</p> <p><u>Poly Chlorinated Dibenzo-p-Dioxins (PCDD)</u></p> <p>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</p> <p><u>Poly Chlorinated Dibenzo Furans (PCDF)</u></p> <p>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 2,3,4,6,7,8-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDF</p>	<p>Documented In-House Methods based on the following national, international and other recognised standards</p> <p>Based on EPA 1613b:1994 High Resolution Gas Chromatography / High Resolution Mass Spectrometry (HRGC / HRMS) SOP 1</p>



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ENVIRONMENTAL SAMPLES ASH DUST SEDIMENT SOILS SLUDGE (cont'd)	<u>Chemical Tests</u> (cont'd) <u>Poly Chlorinated Biphenyls (PCB's)</u> PCB-77 PCB-81 PCB-105 PCB-114 PCB-118 PCB-123 PCB-126 PCB-156 PCB-157 PCB-167 PCB-169 PCB-189 PCB 28 PCB 52 PCB 101 PCB 118 PCB 153 PCB 138 PCB 180	Documented In-House Methods based on the following national, international and other recognised standards Based on EPA 1668C:2010 High Resolution Gas Chromatography / High Resolution Mass Spectrometry (HRGC / HRMS) SOP 1

END