

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 2522 Accredited to ISO/IEC 17025:2017	Envirocare Technical Consultancy Ltd	
	Issue No: 045 Issue date: 23 November 2021	
	Bradford Chamber Business Park New Lane Bradford West Yorkshire BD4 8BX	Contact: Mrs Rina Hare Tel: +44 (0)1274 738668 Mobile Tel: +44 (0)7774 092 626 E-Mail: rinahare@envirocare.org Website: www.envirocare.org
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 Bradford Chamber Business Park New Lane Bradford West Yorkshire BD4 8BX	Local contact Mr John Healey Tel: +44 (0) 7841 066391 Email: johnhealey@envirocare.org Website: www.envirocare.org	Support Functions: Quality System Quality Audit Administration Sampling and Testing: Physical Testing Stack Emissions Testing	A

Site activities performed away from the locations listed above:

Location details	Activity	Location code
Customer Sites requiring Stack Emissions Testing	Stack Emissions Testing	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
ATMOSPHERIC POLLUTANTS AND EFFLUENTS - STACK GAS SAMPLES	<u>Physical Testing</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	
Filter Papers and Rinse Solutions	Weighing of Particulate Matter	BS EN 13284-1:2017 (ETC-AP-01)	A
Filter Papers and Rinse Solutions	Weighing of Particulate Matter <10 micron (PM ₁₀ and PM _{2.5})	BS EN ISO 23210:2009 (ETC-AP-01)	A
Testing of Stack Emissions to Atmosphere	<u>Sampling with subsequent analysis by an ISO 17025 Accredited Laboratory (cont'd)</u>	National, International and other recognised standards using documented In-House work instructions to meet the requirements of BS EN 15259:2007	
	Speciated VOCs (carbon and other suitable tubes) (including hot wet stacks using a modified water trap method): Amines and Amides Phenols Cresols Carboxylic Acids Aldehydes Mercaptans	PD CEN/TS 13649:2014 (ETC-SE-06b)	B
	Condensable VOCs (CVOCs)	Method based on BS EN 14791:2017 (ETC-SE-27)	B
	<u>Halides and Halogens</u> Hydrogen Bromide Hydrogen Chloride Hydrogen Fluoride Chlorine Fluorine Bromine	US EPA Methods 26 and 26a (ETC-SE-12)	B



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Testing of Stack Emissions to Atmosphere	<u>Sampling with subsequent analysis by an ISO 17025 Accredited Laboratory</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 and BS EN 15259:2007	
	Total Particulate Matter	BS EN 13284-1:2017 (ETC-SE-01)	B
	Particulate Matter <10 Micron PM ₁₀ and PM _{2.5}	BS EN ISO 23210:2009 (ETC-SE-32)	B
	Oxides of Nitrogen (NOx) including nitric acid vapour	US EPA Method 7D (ETC-SE-25)	B
	Hydrogen Chloride	BS EN 1911:2010 (ETC-SE-05)	B
	Hydrogen Fluoride	PD CEN/TS 17340:2020 (ETC-SE-20b)	B
	<u>Halides and Halogens</u> Hydrogen Bromide Chlorine Bromine	US EPA Methods 26 and 26a (ETC-SE-12)	B
	Hydrogen Sulphide	US EPA Method 11 (ETC-SE-13)	B
	Ammonia	BS EN ISO 21877 (ETC-SE-15)	B
	Speciated VOCs (carbon and other suitable tubes) (Direct sampling of dry stacks only): Amines and Amides Phenols Cresols Carboxylic Acids Aldehydes Mercaptans	PD CEN/TS 13649:2014 (ETC-SE-06a)	B



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Testing of Stack Emissions to Atmosphere (cont'd)	<u>Sampling with subsequent analysis by an ISO 17025 Accredited Laboratory (cont'd)</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 and BS EN 15259:2007 (cont'd)	
	Isocyanates	US EPA CTM 036 (ETC-SE-26)	B
	Gaseous Aldehydes and Formaldehyde	PD CEN/TS 17638:2021 (ETC-SE-02)	B
	Total Aldehydes and Formaldehyde	PD CEN/TS 17638:2021 (ETC-SE-02)	B
	Total Cyanide (as HCN)	US EPA OTM29 (ETC-SE-03)	B
	Sulphur Dioxide	BS EN 14791:2017 (ETC-SE-14)	B
	Sulphuric Acid (Including Sulphuric Acid Mist and SO ₃)	US EPA Method 8 (ETC-SE-31)	B
	Metals	BS EN 14385:2004 (ETC-SE-09)	B
	Mercury	BS EN 13211:2001 (ETC-SE-09)	B
	Hexavalent Chromium (Cr+6)	US EPA Method 0061 (ETC-SE-23)	B
	Dioxins and furans	BS EN1948-1:2006 (ETC-SE-18)	B
Dioxin-like Polychlorinated Biphenyls (PCB's)	BS EN 1948-4:2010 (ETC-SE-18)	B	
Polycyclic Aromatic Hydrocarbons (PAHs)	BS ISO 11338-1:2003 (ETC-SE-19)	B	



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Testing of Stack Emissions to Atmosphere (cont'd)	<u>Sampling with subsequent analysis by an ISO 17025 Accredited Laboratory (cont'd)</u>	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 and BS EN 15259:2007 (cont'd)	
	Odour (direct sampling of dry stacks and dynamic dilution sampling of hot wet stacks)	BS EN 13725:2003 (ETC-SE-21)	B
	Bioaerosols	VDI 4257 part 2:2011 (ETC-SE-22)	B
	<u>Sampling and On-Site Analysis</u>		
	Water Vapour	BS EN 14790:2017 (ETC-SE-11)	B
	<u>Sampling and On-Line Analysis</u>		
	Water Vapour*	PD CEN/TS 17337:2019 (ETC-SE-28 – Validated FTIR analyser)	B
	Pressure, Temperature and Velocity (point velocity method) for: • Periodic Compliance Monitoring	BS EN ISO 16911-1:2013 & EA MID 16911-1 using differential pressure device (pitot tube) method (ETC-SE-24) Procedure to meet requirements of PD CEN TR 17078:2017 Measurement Objective 1	B
Carbon monoxide*	BS EN 15058:2017 (ETC-SE-10- NDIR analyser) PD CEN/TS 17337:2019 (ETC-SE-28 – Validated FTIR analyser)	B	



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Testing of Stack Emissions to Atmosphere (cont'd)	<u>Sampling and On-Line Analysis</u> (cont'd)	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 and BS EN 15259:2007	
	Carbon Dioxide*	PD CEN/TS 17405:2020 (ETC-SE-10a & b- NDIR analyser) PD CEN/TS 17337:2019 (ETC-SE-28 – Validated FTIR analyser)	B
	Nitrogen Monoxide (NO)*	BS EN 14792:2017 (ETC-SE-10 - Chemiluminescence analyser) PD CEN/TS 17337:2019 (ETC-SE-28 – Validated FTIR analyser)	B
	Nitrogen Dioxide (NO ₂)*	BS EN 14792:2017 (ETC-SE-10 - Chemiluminescence analyser) PD CEN/TS 17337:2019 (ETC-SE-28 – Validated FTIR analyser)	B
	Nitrous oxide (N ₂ O)*	PD CEN/TS 17337:2019 (ETC-SE-28 – Validated FTIR analyser)	B
	Oxides of Nitrogen (NO _x)*	BS EN 14792:2017 (ETC-SE-10 - Chemiluminescence analyser) PD CEN/TS 17337:2019 (ETC-SE-28 – Validated FTIR analyser)	B



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Testing of Stack Emissions to Atmosphere (cont'd)	<u>Sampling and On-Line Analysis</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 and BS EN 15259:2007	
	Oxygen*	BS EN 14789:2017 (ETC-SE-10 - Paramagnetic analyser)	B
	Sulphur dioxide*	PD CEN/TS 17021:2017 (ETC-SE-10 - NDIR analyser)	B
	Hydrogen chloride (HCl)*	PD CEN/TS 17337:2019 (ETC-SE-28 – Validated FTIR analyser)	B
	Total Gaseous Organic Carbon (TOC / VOC) (0 to 1000 mg/m ³)	PD CEN/TS 17337:2019 (ETC-SE-28 – Validated FTIR analyser)	B
Stack Emissions - Continuous Emissions Monitoring Systems (CEMS)	QAL 2 and the Annual Surveillance Test (AST) for CEMS	Documented in house procedure ETC-SE-35 to meet the requirements of BS EN 14181:2014, Environment Agency MID 14181 (TGN M20 Annex A) and other requirements of the Environment Agency (MCERTS) Performance Standard and BS EN 15259:2007	B

* - The scale range of the analyser used for this test must be that detailed on its current MCERTS certificate or a range validated by the organisation to meet MCERTS requirements.



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Testing of Stack Emissions to Atmosphere	Sampling with subsequent analysis by an ISO/IEC 17025 Accredited Laboratory	National, European, International and Irish Environmental Protection Agency specified standards and Documented InHouse work instructions to meet the requirements of Irish Environmental Protection Agency Publications AG1 and AG2 and IS EN 15259:2007	
	Speciated VOCs (carbon and other suitable tubes) (including hot wet stacks using a modified water trap method): Amines and Amides Phenols Cresols Carboxylic Acids Aldehydes Mercaptans	PD CEN/TS 13649:2014 (ETC-SE-06b)	B
	Condensable VOCs (CVOCs)	Method based on IS EN 14791:2017 (ETC-SE-27)	B
	<u>Halides and Halogens</u> Hydrogen Bromide Chlorine Bromine	US EPA Methods 26 and 26a (ETC-SE-12)	B
	Total Particulate Matter	IS EN 13284-1:2017 (ETC-SE-01)	B
	Particulate Matter <10 Micron PM ₁₀ and PM _{2.5}	IS EN ISO 23210:2009 (ETC-SE-32)	B
	Oxides of Nitrogen (NO _x) including nitric acid vapour	US EPA Method 7D (ETC-SE-25)	B
	Hydrogen Chloride	IS EN 1911:2010 (ETC-SE-05)	B
	Hydrogen Fluoride	PD CEN/TS 17340:2020 (ETC-SE-20b)	B



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	Hydrogen Sulphide	US EPA Method 11 (ETC-SE-13)	B
	Ammonia	IS EN ISO 21877 (ETC-SE-15)	B
	Speciated VOCs (carbon and other suitable tubes) (Direct sampling of dry stacks only): Amines and Amides Phenols Cresols Carboxylic Acids Aldehydes Mercaptans	PD CEN/TS 13649:2014 (ETC-SE-06a)	B
	Isocyanates	US EPA CTM 036 (ETC-SE-26)	B
	Gaseous Aldehydes and Formaldehyde	US EPA M316 (ETC-SE-02)	B
	Total Aldehydes and Formaldehyde	US EPA M316 (ETC-SE-02)	B
	Total Cyanide (as HCN)	US EPA OTM29 (ETC-SE-03)	B
	Sulphur Dioxide	IS EN 14791:2017 (ETC-SE-14)	B
	Sulphuric Acid (Including Sulphuric Acid Mist and SO ₃)	US EPA Method 8 (ETC-SE-31)	B



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	Metals	IS EN 14385:2004 (ETC-SE-09)	B
	Mercury	IS EN 13211:2001 (ETC-SE-09)	B
	Hexavalent Chromium (Cr+6)	US EPA Method 0061 (ETC-SE-23)	B
	Dioxins and furans	IS EN1948-1:2006 (ETC-SE-18)	B
	Dioxin-like Polychlorinated Biphenyls (PCB's)	IS EN 1948-4:2010 (ETC-SE-18)	B
	Polycyclic Aromatic Hydrocarbons (PAHs)	IS ISO 11338-1:2003 (ETC-SE-19)	B
	Odour (direct sampling of dry stacks and dynamic dilution sampling of hot wet stacks)	IS EN 13725:2003 (ETC-SE-21)	B
	Bioaerosols	VDI 4257 part 2:2011 (ETC-SE-22)	B
<u>Sampling and On-Site Analysis</u>			
Water Vapour	IS EN 14790:2017 (ETC-SE-11)	B	



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	Water Vapour†	PD CEN/TS 17337:2019 (ETC-SE-28 – Validated FTIR analyser)	B
	Pressure, Temperature and Velocity (point velocity method) for: <ul style="list-style-type: none"> Periodic Compliance Monitoring 	IS EN ISO 16911-1:2013 & EA MID 16911-1 using differential pressure device (pitot tube) method (ETC-SE-24) Procedure to meet requirements of PD CEN TR 17078:2017 Measurement Objective 1	B
	Carbon monoxide†	IS EN 15058:2017 (ETC-SE-10- NDIR analyser) PD CEN/TS 17337:2019 (ETC-SE-28 – Validated FTIR analyser)	B
	Carbon Dioxide†	PD CEN/TS 17405:2020 (ETC-SE-10a & b- NDIR analyser) PD CEN/TS 17337:2019 (ETC-SE-28 – Validated FTIR analyser)	B
	Nitrogen Monoxide (NO)†	IS EN 14792:2017 (ETC-SE-10 - Chemiluminescence analyser) PD CEN/TS 17337:2019 (ETC-SE-28 – Validated FTIR analyser)	B



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	Nitrogen Dioxide (NO ₂)†	IS EN 14792:2017 (ETC-SE-10a & b - Chemiluminescence analyser) PD CEN/TS 17337:2019 (ETC-SE-28 – Validated FTIR analyser)	B
	Nitrous oxide (N ₂ O)†	PD CEN/TS 17337:2019 (ETC-SE-28 – Validated FTIR analyser)	B
	Oxides of Nitrogen (NO _x)†	IS EN 14792:2017 (ETC-SE-10a & b - Chemiluminescence analyser) PD CEN/TS 17337:2019 (ETC-SE-28 – Validated FTIR analyser)	B
	Oxygen†	IS EN 14789:2017 (ETC-SE-10a Zirconia /10b - Paramagnetic analyser)	B
	Sulphur dioxide†	PD CEN/TS 17021:2017 (ETC-SE-10a - NDIR analyser) PD CEN/TS 17337:2019 (ETC-SE-28 – Validated FTIR analyser)	B
	Hydrogen chloride (HCl)†	PD CEN/TS 17337:2019 (ETC-SE-28 – Validated FTIR analyser)	B



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Testing of Stack Emissions to Atmosphere (cont'd)	<u>Sampling and On-Line Analysis</u> (cont'd) Total Gaseous Organic Carbon (TOC / VOC) (0 to 1000 mg/m ³)	National, European, International and Irish Environmental Protection Agency specified standards and Documented InHouse work instructions to meet the requirements of Irish Environmental Protection Agency Publications AG1 and AG2 and IS EN 15259:2007 IS EN 12619:2013 (ETC-SE-04 - FID analyser)	B
†- The scale range of the analyser used for this test must meet the specific requirements specified in the Irish Environmental Protection Agency document "AG2 Index of Preferred Methods"			
Testing of Stack Emissions to Atmosphere (cont'd)	<u>Sampling with subsequent analysis by an ISO 17025 Accredited Laboratory</u> Hydrogen Fluoride Gaseous Aldehydes and Formaldehyde Total Aldehydes and Formaldehyde	National, European, International and other recognised standards using documented In-House work instructions to meet the requirements of BS EN 15259:2007 BS ISO 15713:2006 (ETC-SE-20) US EPA M316 (ETC-SE-02) US EPA M316 (ETC-SE-02)	B B B
END			