

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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



1663

Accredited to
ISO/IEC 17025:2017

RPS Environmental Management Limited trading as RPS Mountainheath

Issue No: 057 Issue date: 04 February 2021

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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
ANIMAL FEEDING STUFFS PACKING/ANIMAL BEDDING - Cardboard and woodchip	<u>Chemical Tests</u> PCB ICES 7 2,4,4'-Trichlorobiphenyl (PCB 28) 2,2',5,5'-Tetrachlorobiphenyl (PCB 52) 2,2',4,5,5'-Pentachlorobiphenyl (PCB 101) 2,3',4,4',5-Pentachlorobiphenyl (PCB 118) 2,2'3,4,4',5-Hexachlorobiphenyl (PCB 138) 2,2'4,4'5,5'-Hexachlorobiphenyl (PCB 153) 2,2'3,4,4',5,5'-Heptachlorobiphenyl (PCB 180)	Documented In-House Methods SOP 319 determination by GCMS
SEDIMENTS	<u>Chemical Tests</u>	
Marine Sediments	Organotins, Specifically: Tributyltin (TBT) Dibutyltin (DBT)	SOP 395 determination by GC-MS/MS
Marine Sediments & Soils	Total Organic Carbon	SOP 404 by Carbon Analyser



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<p>SEDIMENTS (cont'd)</p> <p>Marine Sediments</p>	<p><u>Chemical Tests</u> (cont'd)</p> <p>PAHs: Naphthalene** Acenaphthylene** Acenaphthene** Fluorene** Phenanthrene** Anthracene** Fluoranthrene** Pyrene** Benzo(a)anthracene** Chrysene** Benzo(b** & j*)fluoranthene Benzo(k)fluoranthene** Benzo(a)pyrene** Benzo(e)pyrene† Indeno(1,2,3cd)pyrene** Dibenzo(a,h)anthracene** Benzo(g,h,i)perylene** Triphenylene† Total PAHs (EPA 16*) Total PAHs (19†) 2-methylnaphthylene 2,6-dimethylnaphthalene 1,3,7-trimethylnaphthalene 1-methylnaphthalene Perylene</p>	<p>Documented In-House Methods</p> <p>SOP 396 determination by GC-MS</p>



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SEDIMENTS (cont'd) Marine Sediments	<u>Chemical Tests</u> (cont'd) PCBs 25 Congeners PCB18 PCB28 PCB31 PCB44 PCB47 PCB49 PCB52 PCB66 PCB101 PCB105 PCB110 PCB118 PCB128 PCB138 PCB141 PCB149 PCB151 PCB153 PCB156 PCB158 PCB170 PCB180 PCB183 PCB187 PCB194 Total PCBs (25 Congeners) Total ICES 7	Documented In-House Methods SOP 403 determination by GC-MS



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<p>WATERS (cont'd)</p> <p>WATERS – Surface Water, Treated Sewage Effluent & Sewage Influent</p> <p>WATERS – Surface Water, Ground Water, Leachate (prepared), Treated Sewage Effluent & Sewage Influent</p>	<p><u>Chemical Tests (cont'd)</u></p> <p>Triclosan</p> <p>Acid Herbicides, specifically: 2,4,5-T 2,4-D Acifluorfen Bentazone Clopyralid Dichlorprop (2,4 -DP) Dinoseb Fenoprop (2,4,5-TP) MCPA Mecoprop (MCP) Pentachlorophenol</p>	<p>Documented In-House Methods</p> <p>SOP CIP009 determination by LC-MSMS in negative ESI mode</p> <p>SOP 408 determination by LC-MSMS in ESI mode</p>



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HUMAN BODY FLUIDS	<u>Chemical and Physical Tests</u>	Documented In-House Methods
Urine	S-Phenylmercapturic acid [SPMA] metabolite of Benzene	SOP 393 determination by LCMSMS
Urine	<u>Diisocyanate biomarkers (isocyanate metabolites), specifically:</u> <u>Hexamethylenediamine (HDA)</u> <u>2,4 Diaminotoluene (2,4-TDA)</u> <u>2,6 Diaminotoluene (2,6-TDA)</u> <u>5-Amino-1,3,3-trimethylcyclohexanemethylamine (IPDA)</u> <u>4,4 Diaminodiphenylmethane (MDA)</u>	SOP 429 determination by GC-MS
FOOD AND FOOD PRODUCTION	<u>Chemical and Physical Tests</u>	Documented In-House Methods
Grains, Cereals, Legumes, Pulses and products thereof	Aminomethylphosphonic acid (AMPA) Glyphosate	SOP 401 determination by GCMSMS
Vegetables, dried fruits, fried and baked foodstuff, cereals, grain and products thereof	Acrylamide	SOP 398 determination by LC-MS-MS with QuEChERS extraction
Foodstuffs	Quaternary Ammonium Compounds (QACs), specifically: Benzalkonium Chlorides: Benzyltrimethyldecyl ammonium chloride (BAC10) Benzyltrimethyldodecyl ammonium chloride (BAC12) Benzyltrimethyl-tetradecyl ammonium chloride (BAC14) Benzyltrimethylhexadecyl ammonium chloride (BAC16) Didecyl dimethyl ammonium chloride (DDAC)	SOP 399 determination by LC-MS with QuEChERS extraction.



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Vegetables, fresh and dried fruits, honey, nuts, dry legumes, forage crops, seeds, cereals, grain and products thereof	Pesticides, specifically: Azoxystrobin Boscalid Carbetamide Carfentrazone-ethyl Chlorantraniprole Cymoxanil Cyprodinil Dimoxystrobin Famoxadone Fenpyroximate Imazalil Kresoxim-methyl Mandipropamid Metalaxyl Methoxyfenozide Myclobutanil Picoxystrobin Pyrimethanil Pyriproxifen Quinoxifen Trifloxystrobin Zoxamide	SOP 220 crop sample preparation SOP 405 determination by LC-MS-MS with QuEChERS extraction
Vegetables, fresh and dried fruits, honey, nuts, dry legumes, forage crops, seeds, cereals, grain and products thereof	Herbicides, specifically: Mepiquat Paraquat Diquat Chlormequat	SOP 406 determined by LC-MS-MS with QuPPE extraction



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<p>Vegetables, fresh & dried fruits, honey, nuts, dry legumes, forage crops, seeds, cereals, grain & products thereof, including food & animal feeds</p>	<p>The laboratory holds a flexible scope of accreditation for the detection and quantitation of Pesticide Residues using methods developed and validated following a generic Flexible Scope Protocol which provides</p> <ul style="list-style-type: none"> (i) the inclusion of new or amended tests in matrix types covered by existing accreditation (ii) the modification of existing methods to broaden their applicability using analytical techniques and matrix types covered by existing accreditation (iii) the extension of the application of the existing methods (or appropriately modified existing methods) to new matrix types) <p>Please contact the laboratory for details of the individual determinands and matrices that can be analysed</p>	<p>Flexible Scope generic protocol SOP 112 using sample preparation, QuEChERS extraction, QuPPE extraction and determination by LC-MS-MS</p>



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SOILS (only)	<p><u>Chemical Tests</u></p> <p>Explosives:</p> <p>Cyclotetramethylenetetranitramine (HMX) Cyclo-1,3,5-trimethylene-2,4,6-trinitramine (RDX) Trinitro-2,4,6-phenylmethylnitramine (Tetryl) 2,4,6-Trinitrotoluene (TNT) 2,6-Dinitrotoluene (2,6-DNT) 2,4-Dinitrotoluene (2,4-DNT) Pentaerythryltrinitrate (PETN) Hexanitrostilbene (HNS) 2,4,6-Trinitrophenol (Picric Acid) Picrite Nitroglycerine (NG) Ethylene glycol dinitrate (EGDN)</p> <p>Ethylene glycol dinitrate (EGDN) Nitroglycerine (NG)</p>	<p>Documented In-House Methods to meet the requirements of the Environment Agency MCERTS Performance Standard - Chemical Testing of Soil</p> <p>SOP 375 Determination by HPLC and UV Detection</p> <p>SOP 374 Determination by GC-TEA</p>
END		