Schedule of Accreditation

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Tetra Tech Environmental Management Limited

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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	Chemical Tests **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	Chemical Tests	
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

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
SEDIMENTS (cont'd)	Chemical Tests (cont'd)	Documented In-House Methods
Marine Sediments	**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-methylphenanthrene Perylene	SOP 396 determination by GC-MS
Sediments, Sludges (Biosolids)	**Poly and Perfluorinated Akyl Substances (PFAS):** 4:2 FTSA 6:2 diPaP 6:2 FTSA 8:2 FTSA br-PFOS DONA EtFOSE F53B Major FBSA FHxSA HFPO-DA HFPO-TA L-PFOS MeFOSE N-AP-FHxSA N-EtFOSA	SOP 453 by liquid extraction and Quechers/SPE Clean up and LCMSMS

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
SEDIMENTS (cont'd)	Chemical Tests	Documented In-house methods
Sediments, Sludges (Biosolids)	**Poly and Perfluorinated Alkyl Substances** (cont'd): N-EtFOSAA NFDHA N-MeFOSA PFBA PFBS PFDA PFDoDA PFDoDS PFDS PFECHS PFEESA PFHpA PFHpS PFHxA PFHxDA PFHxS PFMBA PFMPA PFNA PFNS PFOA PFODA PFOSA PFPeA PFPeS PFTeDA PFTrDA PFTrDS PFUnDA PFUnDS	SOP 453 by liquid extraction and Quechers/SPE clean up and LCMSMS
Sediments, Sludges (Biosolids)	8:2 diPaP 10:2 diPAP	SOP CIP030 by liquid extraction And LCMSMS

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
SEDIMENTS (cont'd)	Chemical Tests (cont'd)	Documented In-House Methods
Marine Sediments	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	SOP 403 determination by GC-MS

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
SOILS	Chemical Tests (cont'd)	Documented In-House Methods
	Explosives: - 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) - Pentaerithrytoltrinitrate (PETN) - Hexanitrostilbene (HNS) - Picrite - 2,4,6-Trinitrophenol (Picric Acid) - Nitroglycerine (NG) - Ethylene glycol dinitrate (EGDN) - Hexanitrostilbene (HNS) - Nitroglycerine (NG) - Ethylene glycol dinitrate (EGDN) - Hexanitrostilbene (HNS)	SOP 375 determination by HPLC and UV detection
	Nitrocellulose	SOP 376 determination by Colorimetric spot test
	Ethylene glycol dinitrate (EGDN) Nitroglycerine (NG)	SOP 374 determination by GC-TEA
WATERS		
WATERS – Surface water, Treated Sewage Effluent & Sewage influent	Cypermethrin	SOP CIP001 determination by NICI GCMS
	Perfluorooctylsulfonate (PFOS) Perfluorooctanoic Acid (PFOA)	SOP CIP008 determination by UPLC MSMS
	Hexabromocyclododecane (HBCDD) – Alpha, Beta, Gamma and Total	SOP CIP015 determination by LC MSMS

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
WATERS (cont'd)	Chemical Tests (cont'd)	Documented In-House Methods
WATERS – Surface Water, Treated Sewage Effluent & Sewage Influent	Triclosan	SOP CIP009 determination by LC-MSMS in negative ESI mode
WATERS – Surface Water, Ground Water, Leachate (prepared), Treated Sewage Effluent & Sewage Influent	**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 (MCPP) Pentachlorophenol	SOP 408 determination by LC-MSMS in ESI mode
WATERS – Surface Water, Untreated Sewage, Treated Sewage Effluent &Prepared Leachate	Tributyltin (TBT) as Cation	SOP 431 determination by LC-QQQ With electrospray positive ionization
WATERS – Ground Water, Surface Water, Drinking Water (Non-Regulatory), Treated Sewage Effluent, Untreated Sewage	**PFAS Compounds, specifically:** PFBA PFPeA PFHxA PFHpA PFOA PFNA PFDA PFUnDA PFDODa PFTrDA PFTDA PFHxDA PFBS PFPeS PFHxS PFHpS PFOS PFNS PFDS PFUnDS PFDoDS PFTrDS PFECHS HFPO-DA	SOP 437 determination by LC-MSMS Solid Phase Extraction

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
WATERS (cont'd)	Chemical Tests (cont'd)	Documented In-House Methods
	PFAS Compounds (cont'd) HFPO-TA DONA PFMPA NFDHA PFMBA 3:3 FTCA 5:3 FTCA 7:3 FTCA PFEESA F53B Major F53B Minor 4:2 FTSA 6:2 FTSA 8:2 FTSA 10:2 FTSA FBSA FHxSA PFOSA N-EtFOSA N-MeFOSA N-EtFOSAA MeFOSE EtFOSE N-MeFOSAA	SOP 437 determination by LC-MSMS Solid Phase Extraction
WATERS – Ground Water, Surface Water, Drinking Water (non-Regulatory), Untreated Sewage, Treated Sewage Effluent	4-tert-Octylphenol Nonylphenol (Techncial) Di(2-ethylhexyl) Phthalate (DEHP) 4-n-Octylphenol	SOP CIP003 determination by Aqueous Extraction & GC-MS
	Bisphenol A Bisphenol F Bisphenol S	SOP CIP017 determination by Reverse Phase Solid Extraction & UPLC-MSMS
WATERS – Ground Water, Surface Water, Untreated Sewage, Treated Sewage Effluent	Glyphosate AMPA	SOP CIP019 determination by Derivitisation & UPLC-MSMS
WATERS – Ground Water, Surface Water, Saline Water	Chromium VI	SOP 451 determination by IC
WATERS – Ground Water, Surface Water, Untreated Sewage, Treated Sewage Effluent, Saline Water	Total Suspended Solids	SOP 462 by Gravimetry

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
WATERS (cont'd)	Chemical Tests (cont'd)	Documented In-House Methods
Surface Water, Ground Water, Treated Sewage Effluent, Untreated Sewage	Dissolved Metals: Lithium, Beryllium, Boron, Sodium, Magnesium, Aluminium, Potassium, Calcium, Titanium, Vanadium, Chromium, Manganese, Iron, Cobalt, Nickel, Copper, Zinc, Arsenic, Selenium, Strontium, Molybdenum, Silver, Cadmium, Tin, Antimony, Tellurium, Barium, Thallium, Lead, Uranium	SOP 467 by ICP-MS
Ground Water and Treated Sewage Effluent	Sucralose	SOP CIP037 by LCMSMS
Ground Water, Surface Water, Influent and Treated Sewage Effluent	6PPD Quinone	SOP CIP039 by LCMSMS
Ground Water and Treated Sewage Effluent	Trifluoroacetic acid (TFA)	SOP CIP046 by LCMSMS
HUMAN BODY FLUIDS	Chemical and Physical Tests	Documented In-House Methods
Urine	S-Phenylmercapturic acid [SPMA] metabolite of Benzene	SOP 393 determination by LCMSMS
Urine	Diisocyanate biomarkers (isocyanate metabolites), specifically: Hexamethylenediamine (HDA) 2,4 Diaminotoluene (2,4-TDA) 2,6 Diaminotoluene (2,6-TDA) 5-Amino-1,3,3-trimethylcyclohexanemethylamine (IPDA) 4,4 Diaminodiphenylmethane (MDA)	SOP 429 determination by GC-MS

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
FOOD AND FOOD PRODUCTION	Chemical and Physical Tests	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
FOOD AND FOOD PRODUCTION	Chemical and Physical Tests	Documented In-House Methods
Foodstuffs	**Quaternary Ammonium Compounds (QACs), specifically:** Benzalkonium Chlorides: Benzyldimethyldecyl ammonium chloride (BAC10) Benzyldimethyldodecyl ammonium chloride (BAC12) Benzyldimethyl-tetradecyl ammonium chloride (BAC14) Benzyldimethylhexadecyl ammonium chloride (BAC16) Didecyl dimethyl ammonium chloride (DDAC)	SOP 399 determination by LC-MS with QuEChERS extraction.
Vegetables, fresh and dried fruits, honey, nuts, dry legumes, forage crops, seeds, cereals, grain and products thereof	Pesticides, see Appendix 2	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, see Appendix 3:	SOP 406 determined by LC-MS-MS with QuPPe extraction
Vegetables, fresh and dried fruits, Honey, nuts, dry legumes, forage Crops, seeds, cereals, grain and Products thereof	Pesticides, see Appendix 4:	SOP 436 determination by Modified Quechers and LC-MS-MS
Vegetables, fresh and dried fruits, Honey, nuts, dry legumes, forage Crops, seeds, cereals, grain and Products thereof	Pesticides, see Appendix 5:	SOP 447 QuPPe Extraction by GC-MS/MS

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
FOOD & FOOD PRODUCTS & FEED & FEED PRODUCTS Including; Vegetables, fresh & dried fruits, honey, nuts, dry legumes, forage crops, seeds, cereals, tobacco, cotton, herbs, spices, tea, hops, tobacco, cotton, grain & products thereof including food and animal feed	**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** (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 Please contact the laboratory for details of the individual determinands and matrices that can be analysed	Flexible Scope generic protocol SOP 112 using sample preparation, QuEChERS extraction, QuPPe extraction and determination by LC-MS-MS & GC-MS-MS

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
SOILS (only)	Chemical Tests	**Documented In-House Methods to meet the requirements of the Environment Agency MCERTS Performance Standard - Chemical Testing of Soil**
	Explosives: 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) Pentaerithrytoltrinitrate (PETN) Hexanitrostilbene (HNS) 2,4,6-Trinitrophenol (Picric Acid) Picrite Nitroglycerine (NG) Ethylene glycol dinitrate (EGDN)	SOP 375 Determination by HPLC and UV Detection
	Ethylene glycol dinitrate (EGDN) Nitroglycerine (NG)	SOP 374 Determination by GC-TEA
END		

Appendix 1a: SANTE Commodity Group Information: Vegetable and fruits, cereals, and food of animal origin

Commodity groups	Typical commodity categories wthin the group	Typical representative commodities within the category
1. High water content	Pome fruit, Stone fruit, Other fruit, Alliums Fruiting vegetables/cucurbits, Brassica vegetables, Leafy vegetables and fresh herbs, Stem and stalk vegetables, Fresh legume vegetables, Fresh Fungi, Root and tuber vegetables	Apples, pears Apricots, cherries, peaches, Bananas Onions, leeks Tomatoes, peppers, cucumbers, melons Cauliflowers, Brussels-sprouts, cabbages, broccoli Lettuce, spinach, basil Celery, asparagus Fresh peas with pods, peas, mange tout, broad beans, runner beans, French beans Champignons, chanterelles Sugar beet, carrots, potatoes, sweet potatoes
2. High acid content and high water content	Citrus fruit Small fruit and berries	Lemons, mandarins, tangerines, oranges Strawberries, blueberries, raspberries, black currants, red currants, white currants, grapes
3. High sugar and low water content	Honey, dried fruit	Honey, raisins, dried apricots, dried plums, fruit jams
4a. High oil content and very low water content	Tree nuts Oil seeds Pastes of tree nuts and oil seeds	Walnuts, hazelnuts, chestnuts Oilseed rape, sunflower, cotton-seed, soybeans, peanuts, sesame etc. Peanut butter, tahina, hazelnut paste
4b. High oil content and intermediate water content	Oily fruits and products	Olives, avocados and pastes thereof
5. High starch and/or protein content and low water and fat content	Dry legume vegetables Cereal grain and products thereof	Field beans, dried broad beans, dried haricot beans (yellow, white/navy, brown, speckled), lentils Wheat, rye, barley and oat grains; maize, rice wholemeal bread, white bread, crackers, breakfast cereals, pasta, flour.
6. "Difficult or unique commodities"		Hops Cocoa beans and products thereof, coffee, tea Spices

Appendix 1b: SANTE Commodity Group Information: Feed

Commodity groups	Typical commodity categories wthin the group	Typical representative commodities within the category
1. High water content	Forage crops Brassica vegetables Leaves of root and tuber vegetables Root and tuber Silage	Grasses, Alfalfa, Clover, Rape Kale/Cabbage Sugar beet leaves and tops Sugar beet and fodder beet roots, carrots, potatoes Maize, clover, grasses By-products and food waste such as apple pomace, tomato pomace, potato peels, flakes and pulp, sugar beet pulp, molasses
2. High acid content and high water content		By-products and food waste such as Citrus pomace
3. High lipid content and very low water content	Oil seeds, oil fruits, their products and by products Fat/oil of vegetable and animal origin	Cottonseed, linseed, rapeseed, sesame seed, sunflower seed, seed, soybeans Palm oil, rapeseed oil, soya bean oil, fish oil Compound feed with high lipid content
4. Intermediate oil content and low water content	Oil seed cake and meal	Olive, rape, sunflower, cotton-seed, soybeans cake or meal
5. High starch and/or protein content and low water and fat content	Cereal grains, their products, by-products and food waste Legume seeds By-products and food waste	Barley, oat, maize, rice, rye, spelt, triticale and wheat kernels, flakes, middlings, hulls and bran. Bread, brewers' and distillers' grains Cereal based compound feed Dried beans, peas, lentils Seed hulls
6. "Difficult or unique commodities"	Straw Hay Premixes	Barley, oat, maize, rice, rye and wheat straw Grasses By-products and food waste such as potato protein and fatty acid distillate

Appendix 2: SOP405 Pesticide Matrix - QuEChERS extraction and LC-MS-MS

SANTE Commodity Group	**Food 1**	**Feed 1**	**Food 2**	**Feed 2**	**Food 3**	**Feed 3**	**Food 4a**	**Food 4b**	**Feed 4**	**Food 5**	**Feed 5**	**Food 6**
Pesticide	-	-	-	-	-	-	-	-	-	-	-	-
3-Hydroxycarbofuran	X	-	-	-	-	-	-	-	-	-	-	-
8,9,ZAvermectin	X	X	X	-	-	-	-	-	-	-	-	-
Abamectin (Avermectin B1a +B1b)	X	X	X	X	-	X	X	-	-	-	-	-
Acetamiprid	X	X	X	-	-	X	X	-	-	X	X	X
Azoxystrobin	X	X	X	X	X	X	X	X	X	X	X	X
Bethiavalicarb-isopropyl	X	-	X	-	-	-	-	-	-	-	-	-
Bifenthrin	X	X	-	-	-	X	X	X	-	X	X	-
Bixafen	-	X	-	-	-	-	-	-	-	X	X	-
Boscalid	X	X	X	X	X	X	X	X	X	X	X	X
Bupirimate	X	-	X	-	-	-	-	-	-	X	X	-
Cadusafos	X	X	X	X	-	-	-	-	-	-	-	-
Carbendazim	-	X	X	-	-	-	-	-	-	-	-	-
Carbetamide	X	X	X	X	X	X	X	X	X	X	X	X
Carbofuran	X	-	-	-	-	-	-	-	-	-	-	-
Carbofuran (including converted carbosulfuran)	X	-	-	-	-	-	-	-	-	-	-	-
Carfentrazone-ethyl	X	X	X	X	X	X	X	X	X	X	X	X
Chlorantraniliprole	X	X	X	X	X	X	X	X	X	X	X	X
Chlorpyrifos	X	-	X	-	-	X	X	-	-	X	X	-
Clothianidin	X	X	X	X	-	-	-	-	-	X	X	-
Cyantraniliprole	X	X	X	X	-	-	X	X	-	X	X	X
Cyantraniliprole metabolite IN-J9Z38	X	X	X	X	-	-	X	X	-	X	X	X
Cyflufenamid	X	-	-	-	-	-	-	-	-	-	-	-
Lamda-Cyhalothrin	X	X	X	-	-	X	X	-	-	X	X	-
Cymoxanil	X	X	X	X	X	X	X	X	X	X	X	X
Cypermethrin	X	X	X	-	-	-	-	-	-	X	X	
Cyprodinil	X	X	X	X	X	X	X	X	X	X	X	X
Deltamethrin	-	X	-	-	-	X	-	X	-	X	X	-
Dichlorvos	X	X	X	X	-	-	-	-	-	X	-	-
Difenoconazole	X	X	-	-	-	X	X	-	-	X	X	-
Dimethoate	-	X	-	-	-	X	X	-	-	-	-	-
Dimethomorph	-	-	-	-	-	-	-	-	-	X	X	-
Dimoxystrobin	X	X	X	X	X	X	X	X	X	X	X	X
Dinotefuran	X	-	-	-	-	-	-	-	-	-	-	-
Emamectin B1a+B1b	X	X	X	X	-	X	X	-	X	X	X	-
Emamectin B1a	X	X	X	-	-	X	X	-	-	X	X	-
Epoxiconazole	-	X	-	-	-	-	-	-	-	X	X	-
Etoxazole	X	-	X	X	-	-	-	-	-	-	-	-
Famoxadone	X	X	X	X	X	X	X	X	X	X	X	X
Fenazaquin	X	-	-	-	-	-	-	-	-	-	-	-

Appendix 2 (cont'd): SOP405 Pesticide Matrix - QuEChERS extraction and LC-MS-MS

SANTE Commodity Group	Food 1	Feed 1	Food 2	Feed 2	Food 3	Feed 3	Food 4a	Food 4b	Feed 4	Food 5	Feed 5	Food 6
Pesticide												
Fenpyroximate	X	-	X	-	X	-	X	X	-	X	-	X
Fipronil	X	X	X	X	-	-	X	-	-	-	-	-
Fluazinam	X	X	X	-	-	X	X	X		-	X	-
Flubendiamide	X	X	X	-	-	X	X	-	-	-	-	-
Fludioxonil	X	X	X	X	-	X	X	X	-	X	X	-
Fluopicolide	X	X	X	X	-	-	-	-	-	-	-	-
Fluopyram	X	X	X	-	-	-	-	-	-	-	-	-
Fluoxastrobin E	-	X	-	-	-	-	-	-	-	X	X	-
Fluoxastrobin Z	-	X	-	-	-	-	-	-	-	X	X	-
Flutriafol	X	X	-	-	-	X	X	-	-	X	X	-
Fluxapyroxad	X	X	X	-	-	-	-	-	-	X	X	-
Halosulfuron-methyl		X								X	X	
Haloxyfop-methyl		X				X	X				X	
Imazalil	X	X	X	X	X	X	X	X	X	X	X	X
Imidacloprid	X	X	-	-	X	-	X	-	-	X	X	-
Indoxacarb	X	X	X	-	-	X	X	-	-	X	X	-
Iprovalicarb	X	-	-	-	-	-	-	-	-	-	-	-
Kresoxim-methyl	X	X	X	X	X	X	X	X	X	X	X	X
Lufenuron	X	X	X	X	-	-	X	-	X	X	X	-
Mandipropamid	X	X	X	X	X	X	X	X	X	X	X	X
Metalaxyl	X	X	X	X	X	X	X	X	X	X	X	X
Metalaxyl M	X	X	X	X	-	X	X	-	-	X	X	-
Metamitron	X	-	-	-	-	-	-	-	-	-	-	-
Methoxyfenozide	X	X	X	X	X	X	X	X	X	X	X	X
Metribuzin	-	X	-	-	-	-	-	-	-	X	X	-
Myclobutanil	X	X	X	X	X	X	X	X	X	X	X	X
Novaluron	X	X	X	X	-	X	X	-	-	X	X	-
Omethoate	-	X	-	-	-	-	-	-	-	X	X	-
Oxamyl	X	X	-	-	-	X	X	-	-	X	X	-
Paclobutrazol	-	X	-	-	-	-	-	-	-	X	X	-
Penconazole	X	-	X	-	X	-	X	-	-	-	-	-
Penflufen	-	X	-	-	-	-	-	-	-	X	X	-
Picoxystrobin	X	X	X	X	X	X	X	X	X	X	X	X
Procymidone	X	X	-	-	-	-	X	-	-	X	X	-
Propamocarb	X	X	-	-	-	-	-	-	-	-	-	-
Propiconazole	X	X	-	-	-	X	-	X	-	X	X	-
Propisochlor	-	X	-	-	-	X	X	-	-	X	X	-
Prothioconazole Desthio	-	X	-		-	X	X	-	-	X	X	-
Pyraclostrobin	X	X	X	X	-	X	X	-	-	X	X	-
Pyrimethanil	X	X	X	X	X	X	X	X	X	X	X	X
Pyriproxifen	X	X	X	X	X	X	X	X	X	X	X	X

Appendix 2 (cont'd): SOP405 Pesticide Matrix - QuEChERS extraction and LC-MS-MS

SANTE Commodity Group	Food 1	Feed 1	Food 2	Feed 2	Food 3	Feed 3	Food 4a	Food 4b	Feed 4	Food 5	Feed 5	Food 6
Pesticide												
Quinoxyfen	X	X	X	X	X	X	X	X	X	X	X	X
Spinetoram J & L	X	-	X	X	-	-	X	-	-	-	-	-
Spiromesifen	X	-	-	-	-	-	-	-	-	-	-	-
Spiroxamine	X	X	X	-	-	-	X	-	-	X	X	-
Tau Fluvalinate	-	-	X	X	-	-	X	-	-	-	-	-
Tebuconazole	-	X	-	-	X	-	X	-	-	X	X	-
Terbufos	-	X	-	-	-	X	X	-	-	X	X	-
Tetraconazole	X	X	X	-	X	-	X	-	-	X	X	-
Thiabendazole	-	-	X	X	X	-	-	X	-	-	-	-
Thiamethoxam	X	X	X	X	-	-	-	-	-	X	X	-
Tiafenacil		X	X	X		X	X			X	X	
Trifloxystrobin	X	X	X	X	X	X	X	X	X	X	X	X
Zoxamide	X	X	X	X	X	X	X	X	X	X	X	X

Appendix 3: SOP406 Pesticide matrix QuPPE and Modified QuPPE by LC-MS/MS

SANTE Commodity Group	Food 1	Feed 1	Food 2	Feed 2	Food 3	Feed 3	Food 4a	Food 4b	Feed 4	Food 5	Feed 5	Food 6
Herbicide												
AMPA	X	X	X	X	-	X	X	-	-	X	X	-
Chlorate	X	-	X	-	-	-	-	-	-	-	-	-
Chlormequat	X	X	X	-	X	-	X	X	-	X	X	-
Dithianon	X	-	X	X	-	-	X	-	-	-	-	-
Diquat	X	X	X	-	X	-	X	X	-	X	X	-
Ethephon	X	-	X	-	-	-	-	-	-	-	X	-
Fosetyl	X	-	X	X	-	X	X	X	-	X	X	-
Glufosinate	X	X	X	X	-	X	X	X	-	X	X	-
Glyphosate	X	X	X	-	-	X	X	-	-	X	X	-
Ipflufenoquin	X		X	X								
Mepiquat	X	X	X	-	X	-	X	X	-	X	X	-
Paraquat	X	X	X	-	X	-	X	X	-	X	X	-
Perchlorate	X	-	X	-	-	-	-	-	-	-	-	-
Phosphonic Acid	X	-	X	X	-	-	X	X	-	X	X	-
Pymetrozine	X	-	X	-	-	-	-	-	-	-	-	-

Appendix 4: SOP436 Modified QuEChERS extraction and LC-MS-MS

SANTE Commodity Group	Food 1	Feed 1	Food 2	Feed 2	Food 3	Feed 3	Food 4a	Food 4b	Feed 4	Food 5	Feed 5	Food 6
Pesticide												
2,4-D	X	X	-	-	-	-	-	-	-	X	X	-
Acetochlor	-	X	-	-	-	-	-	-	-	X	X	-
Atrazine	-	X	-	-	-	X	X	-	-	X	X	-
Bentazone	-	X	-	-	-	-	X	-	-	X	X	-
Bifenazate	X	-	X	-	-	X	-	-	-	-	-	-
Bifenazate Diazine	X	-	X	-	-	X	-	-	-	-	-	-
Bromoxynil	-	X	-	-	-	-	-	-	-	X	X	-
Chlorfenapyr	-	-	X	X	-	-	X	-	-	-	-	-
Chlorothalonil	X	X	-	-	-	-	X	-	-	-	X	-
Cyazofamid	X	-	X	-	-	-	-	-	-	-	-	-
Dicamba	-	X	-	-	-	-	-	-	-	X	X	-
Dichlorprop (2,4-DP)	-	X	X	-	-	-	-	-	-	X	X	-
Dodine	X	-	X	-	-	X	X	X	-	-	-	-
Flonicamid	X	X	X	X	-	-	-	-	-	-	X	-
Flumetsulam	X	X	-	-	-	X	X	-	-	-	X	-
Fluroxypyr	-	X	-	-	-	-	-	-	-	X	X	-
MCPA	X	X	-	-	-	-	-	-	-	X	X	-
Metolachlor		X								X	X	
Pinoxaden	-	X	-	-	-	-	-		-	X	X	-
Propyzamide	X	X	-	-	-	X	X	-	X	-	-	-
Prosulfocarb	X	X	-	-	-	-	X	-	-	X	X	-
Pyroxasulfone	-	X	-	-	-	-	X	-	-		X	-
Pyroxsulam	X	X	-	-	-	-	-	-	-	X	X	-
S-Metolachlor	X	X	X	-	-	X	X	X	X	X	X	-
Saflufenacil	X	X	X	X			X			X	X	
Saflufenacil Metabolite M800H11	X	X	X	-	-	-	X	-	-	X	X	-
Saflufenacil Metabolite M800H35	X	X	X	-	-	-	X	-	-	X	X	-
Spinosad A+D Total	X	X	X	-	-	-	X	-	-	X	X	-
Spirodiclofen	X	X	X	X	-	-	-	-	-	-	-	-
Spiropidion	-	-	X	X	-	-	-	-	-	-	-	-
Spirotetramat	X	X	X	X	-	-	X	X	-	X	X	X
Spirotetramat – Enol	X	X	X	X	-	-	X	-	-	X	X	X
Tembotrione		X								X	X	
Tembotrione-4,6-Dihydoxy		X								X	X	
Terbuthylazine	X	-	-	-	-	-	X	-	-	X	X	-
TFNA	X	X	X	X	-	-	-	-	-	-	-	-
TFNG	X	X	X	X	-	-	-	-	-	-	-	-

Appendix 5: SOP 447 Pesticide Matrix QuPPe Extraction by GC-MS/MS

SANTE Commodity Group	Food 1	Feed 1	Food 2	Feed 2	Food 3	Feed 3	Food 4a	Food 4b	Feed 4	Food 5	Feed 5	Food 6
Pesticide												
Captan	X	X	X	X	X	X	X	X	X	X	X	X
Folpet	X	X	X	X	X	X	X	X	X	X	X	X
Phthalimide	X	X	X	X	X	X	X	X	X	X	X	X
Procymidone	X	X	X	X	X	X	X	X	X	X	X	X
THPI	X	X	X	X	X	X	X	X	X	X	X	X
Trifuralin	X	X	X	X	X	X	X	X	X	X	X	X