

International Accreditation Service
CERTIFICATE OF ACCREDITATION

This is to signify that

AGQ CHILE S.A
LOS INDUSTRIALES NO. 697 HUECHURABA
SANTIAGO
CHILE

Testing Laboratory TL-513

has met the requirements of the IAS Accreditation Criteria for Testing Laboratories (AC89), has demonstrated compliance with ISO/IEC Standard 17025:2005, *General requirements for the competence of testing and calibration laboratories*, and has been accredited, commencing October 25, 2015, for the test methods listed in the approved scope of accreditation.

Patrick V. McCullen

Patrick V. McCullen
Vice President, Chief Technical Officer

C. P. Ramani

C. P. Ramani, P.E.
President



Print Date: 11/4/2015

(see attached scope of accreditation for fields of testing and accredited test methods)

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See the IAS Accreditation Listings on the web at www.iasonline.org for current accreditation information, or contact IAS directly at (562) 364-8201.*

Page 1 of 13

International Accreditation Service

SCOPE OF ACCREDITATION

AGQ CHILE S.A. TL-513

AGQ Chile S.A
Los Industriales No. 697 Huechuraba
Santiago
Chile

Pamela Muñoz Soto
Quality Assurance Manager
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FIELDS OF TESTING	DETERMINANTS	ACCREDITED TEST METHODS
<p>Chemistry pesticide residue analysis (Fruits and vegetables fresh and transformed)</p> <p>Análisis químico de residuos de pesticidas (Frutas y vegetales frescos y transformados)</p>	<p>Acefato, Acrinatrina, Alacloro, Aldrín, Amitraz, Atrazina, Azinfos Metil, Azinfos Etil, Benalaxil, Benfluralin, Bifentrin, Bitertanol, Bromacilo, Bromofos-etil, Bromofos-Metil, Bromopropilato, Bupirimato, Buprofezin, Captan, Carbaril, Carbofenotol, Carbosulfan, Ciflutrin, Cipermetrinas, Ciproconazol, Ciprodinil, Clordano Cis, Clordano Trans, Clorfenapir, Clorobenzilato, Clorfenvinfos, Clorpirifos Etil, Clorpirifos Metil, Clorprofam, Clortal-Dimetil, Clortalonil, DDD, DDE p-p, DDT, DDT o-p, Deltametrina, Diafenturion, Diazinon, Diclofluanida, Dicloran, Diclorvos, Dicofol deg, Dieldrin, Difenilamina, Difenoconazol, Diflufenican, Diniconazol, Dinobuton, Diuron, Disulfuton, Endosulfan Alfa, Endosulfan Beta, Endosulfan Sulfato, Endrín, Etalfluralin, Etion, Etiofencarb, Etofumesato, Etoprofos, Etoxiquina, Etridiazol, Fenamifos, Fenarimol, Fenazaquin, Fenclorfos, Fenitrotion, Fenoxicarb, Fenpropatrin, Fention, Fentoato, Fenvaletaro+Esfenvalerato, Fluazifop-Butil, Fluvalinato-Tau, Flucitrinato, Fludioxonil, Fluquinconazol, Flusilazol, Flutriafol, Folpet, Formotion, Fosalone, Fosfamidon, Fosmet, Heptaclor, Heptenefos, Hexaclorobenceno, Hexaconazol, Imazalil, Iprodiona, Iprovalincarb, Isofenfos, Isofenfos Metil, Kresoxim Metil; Lambda Cihalotrin; Lindano, Malation, Mercarban, Metalaxil, Metamidofos, Metidation, Metiocarb, Metolaclor, Metoxiclor, Metribuzin, Mevinfos, Miclobutanilo, Mirex, naled, Nuarimol, Ofurace, Ortofenilfenol, Oxadixil, Oxadiazon, Oxiflurofen, Paclobutrazol, Paration Etil, Paration Metil, Penconazol, Pendimetalina, Permetrina, Pirazofos, Piridaben, Piridafen, Piridafention, Pirifenox, Pirimetanil, Pirimicarb, Pirimifos Etil, Pirimifos Metil, Piriproxifen, Procimidona, Procloraz, Profenofos, Prometrina, Propargita, Propiconazol, Propizamida, Quinalfos, Quinometionato, Quintoceno, Simazina, Sulfotep, Tebuconazol, Tebufenpirad, Terbacil, Terbutilazina, Terbutrin, Tetraconazol, Tetradifon, Tiometon, Tolifluanida, Triadimefon, Triadimenol, Triazofos, Triclorfon, Trifluralina, Uniconazol-p, Vamidotion, Vinclozalin, Zoxamida</p>	<p>PC 223 Determination of Pesticide Residue using Chromatography (GC-MS-MS)</p>

October 25, 2015
Commencement Date



C. P. Ramani
C. P. Ramani, P.E.
President

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Page 2 of 13

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	<p>Abamectina; Acetamiprid (SP), Aclonifen, Aldicarb, Aldicarb (Suma), Aldicarb Sulfona, Aldicarb Sulfoxido, Azoxistrobin, Bendiocarb, Benfuracarb, Benomilo-Carbendazima, Bentazona (SP), Bentiavalcab Isopropil, Boscalid, Bromacilo, Bromoxinil, Bromuconazol, Butoxicarboxim, Cadusafos, Captafol, Carbofuran (SP), Chlorantraniliprole, Ciazofamida, Cicloxidim (SP), Cimoxamilo, Ciromazina, Cletodim, Clofentezina, Clomazona, Clopiralid, Cloridazon, Clothianidin (SP), Demeton S-Metil, Demeton S-Metil Sulfoxido, Desmedifan, Diclofop, Diclormid, Diclorprop, Dietofencarb, Diflubenzuron, Dimetoato (SP), Dimetoato suma, Dimetomorf, Dinocap (SP), Dodemorf, Dodina,</p>	<p>PE 618 Determining Pesticide Residue using LC-MS-MS</p>

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Page 3 of 13

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	<p>Acefato, Acetocloro, Acrinatrina, Alacloro, Aldrin (SP), Amitraz (SP), Atrazina, Azinfos Etil, Azinfos Metil, Benalaxil (SP), Benfluralin, Bifenazato, Bifenilo, Bifentrin, Bitertanol, Bromofos-Metil, Bromopropilato, Bupirimato (SP), Buprofezin, Captan, Carbaril, Carbofenotion, Carbosulfan, Ciflutrin, Cipermetrina, Ciproconazol, Ciprodinil, Clorbenzilat, Clordano, Clorfenapir, Clorfenvinfos, Cloropropilato, Clorpirifos Etil, Clorpirifos Metil, Clorprofam (SP), Clortal-Dimetil, Clortalonil, Clortoluron, Cyhalotrin-L, DDD-pp+DDT-pp, Deltametrina, Diafenturion, Diazinon, Diclobenil, Diclofention, Diclofuanida, Dicloran, Diclorvos, Dicofol, Dicrotofos, Dieldrin (SP), Dieldrin suma (SP), Difenilamina, Difenoconazol, Diflufenican, Diniconazol, Dinobuton, Disulfuton, Disulfuton Sulfona, Disulfuton Sulfoxido, Disulfuton Suma, Ditalimfos, Diuron, Endosulfan (A+B+Sulf), Endosulfan Alfa; Endosulfan Beta,</p>	<p>PE 614 Determining Pesticide Residues using GC-MS-MS</p>

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Page 4 of 13

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<p>Leaves</p> <p>Foliar</p>	<p>Nitrogen</p>	<p>PEC 034 Dumas Nitrogen Determination</p>
<p>Wine</p> <p>Vino</p>	<p>As, Ca, Cd, Cu, Cr, Fe, Hg, Mg, Na, K, Pb, Sn, Zn</p>	<p>PC 230 Determination of Metals using ICP</p>

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Page 5 of 13

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FIELDS OF TESTING	DETERMINANTS	ACCREDITED TEST METHODS
Oils and Fats	K232; K270. DeltaK	PC 386 Characterization of Oils by UV Spectra
Aceites y Grasas	Acidity	PC 387 Determination of grade of Acidity in Food (Oleic Acid)
	Eritrodiol and Uvaol	PC 242 Determination of Eritrodiol & Uvaol in Oils by GC/FID
	C14:0 Myristic; C16:0 Palmitic; C16:1 Palmitoleic; C17:0 Margaric; C17:1 Margaroleico; C18:0 Stearic; C18:1 Oleic; C18:1 Oleic Etil; C18:1 Trans Oleic; C18:2 Linoleic; C18:2t Linoleic tt; C18:2 Linoleic ct; C18:2 Linoleic tc; C18:3 Linoleic; C18:3t Linolenic cct; C18:3t Linolenic ctc; C18:3t Linolenic tcc; C18:3T Linolenic tct; C20:0 Arachidic; C20:1 Gadoleic; ; C22:0 Behenic; C24:0 Lignoceric	PC 233 Determination of Fatty Acid Content by GC/FID
	δ-5 Avenasterol; 24-Metilencolesterol; Brassicasterol; B-sitosterol; Campesterol; Campestanol; δ-7-campesterol; Clerosterol; Cholesterol; Stigmasterol; δ-5,23-estigmastadienol; δ-5,24-estigmastadienol; Sitostanol;	PC 236 Determination of Sterols in Oil by GC/FID
	Peroxide Index	PC 208 Peroxide Index in Oils
Flours of Avian Origin (Feather Meal, Entrails/Visceras) Harinas de subproductos aviarios (harinas plumas, vísceras)	Abamectina, Acido oxolínico, Ciprofloxacino, Cloramfenicol, Diflubenzuron, Emamectina Benzoato, Enrofloxacin, Eritromicina, Espiramicina, Florfenicol, Flumaquina, Ivermectina, Sarafloxacin, Trimetoprim	PC 305 Determination of Antibiotic Residue in Flour by LC-MS-MS
	AHD, AMOZ, AOZ, SEM	PC 319 Determination of Nitrofurantoin Residue using LC-MS-MS
	Amoxicilina, Clortetraciclina, Oxitetraciclina, Tetraciclina, Penicilin G	PC 323 Determination of Penicillin and Tetracycline by LC-MS-MS
	Cristal Violeta, Leuco Cristal Violeta, Verde Malaquita, Leuco Verde Malaquita, Verde Brillante	PC 266 Determination of Colorants by LC-MS-MS
	Decoquinato, Diclazuril, Halofuginona, Robenedina, Nazarina, Nicarbazina, Ac. Lasalocido, Maduramicina, Monensina, Salimonicina	PC 659 Chromatographic Coccidiostats by LC-MS-MS

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Page 6 of 13

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FIELDS OF TESTING	DETERMINANTS	ACCREDITED TEST METHODS
Livestock Productos Pecuarios	Abamectina, Ivermectina, Acido oxolínico, Ciprofloxacino, Cloramfenicol, Diflubenzuron, Emamectina Benzoato, Enrofloxacin, Eritromicina, Espiramicina, Florfenicol, Flumaquina, Sarafloxacin, Trimetoprim	PC 305 Determination of antibiotic residue using LC-MS-MS
	Sulfamerazina, Sulfametazina, Sulfadimetoxina, Sulfadimetoxina, Sulfaquinoxalina, Sulfacloropiridazina, Sulfametoxazol, Sulfametoxipiridazina, Sulfadoxina	PC 341 Determination of Sulfonamides residue using LC-MS-MS
	Decoquinato, Diclazuril, Halofuginona, Robenedina, Nazarina, Nicarbazina, Ac. Lasalocido, Maduramicina, Monensina, Salimonicina	PC-343 Determination of Coccidostates using LC-MS-MS
Food Alimentos	Aflatoxina B1, Aflatoxina B2, Aflatoxina G1, Aflatoxina G2, Zearalenonaa	PC 226 Determination of Mycotoxins using LC-MS-MS
	As, Ca, Cd, Cu, Cr, Fe, Hg, Mg, Na, K, Pb, Sn, Zn	PC 230 Determination of Metals using ICP
	Dietary Fiber	PE 279 Determination of Dietary Fiber
	Total Sugar Content	PC 334 Determination of Total Sugar Content
	Moisture	PE-345 Determination of Moisture
	Ashes	PE-355 Determination of Ashes
	Total Fats	PE 356 Determination of Total Fats
	Carbohydrates	PE 358 Determinations of Carbohydrates
	Nutritional Value	PE 359 Determination of Nutritional Value
	Protein Crude fiber	PE-326 Protein Foods PE-357 Gross Fiber Foods
Toys and School Supplies Juguetes y Artículos escolares	As, Ba, Cd, Cr, Pb, Hg, Sb, Se	PC 332 Determination of migration of metals in toys and school supplies by acid extraction and ICP analysis
	Toluene	PC 331 Determination of toluene in toys and school supplies
	Ignitability Test	PC 344 Ignitability Test
	Phthalates: Di(2-ethylhexil)ftalato (DEHP), Dibutilftalato (DBP), Butilbencilftalato (BBP), Diisonilftalato (DINP), Diisodecilftalato (DIDP), Di-n-octilftalato (DNOP)	EN 14372:2004 Child use and care articles
	Nitrosamines: N-nitrosodibenzylamine, N-nitrosodibutylamine, N-nitrosodiethanolamine, N-nitrosodiethylamine, N-nitrosodiisobutylamine, N-nitrosodiisononylamine N-nitrosodiisopropylamine, N-nitrosodimethylamine, N-nitrosodipropylamine, N-nitrosomorpholine, N-nitroso-N-ethyl-N-phenylamine, N-nitroso-N-methyl-N-phenylamine, N-nitrosopiperidine	EN 71-12:2013 N-Nitrosamines and N-Nitrosatable Substances in Toys
	Total Lead	ASTM D3335-85A Low Concentrations of Lead in Paint



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Minerals and Soil Minerales y Suelos	Abrasion pH	PE 990 Determination of Abrasion pH
	Oxidation pH	PE 991 Determination of Oxidation pH
	Sample preparation	PE 4017 Preparation of Samples
	Neutralization Potential (NP)	PE 4402 Determination of Neutralization Potential(NP)
	Neutralization Potential Modification LAWRENCE &WANG	PE 4403 Neutralization Potential Modification LAWRENCE &WANG
	Fizz Rating Test	PE 4409 Fizz Rating Test
	Paste pH	PE 4416 Paste pH
	Net Acid Generation (NAG)	PE 4413 Determination of Net Acid Generation (NAG)
	Redox	SMEWW 2580-A Oxidation – Reduction Potential (ORP)
	Ag, Al, As, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, Ga, Hg, K, Li, Mg, Mn, Mo, Na, Ni, P, Pb, S, Sb, Sc, Se, Sn, Sr, Te, Ti, Tl, V, Zn	PE-4006 Minerals metals by ICP
Geochem - Mining in Soils and Minerals (Shake Flask Test (SFT))	Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mn, Hg, Mo, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, V, Zn y P	PE-4414 Shake Flask Test PE-4006 Minerals metals by ICP
	Total alkalinity and bicarbonate (CaCO ₃)	PE-4414 Shake Flask Test SMEWW 2330 B Alkalinity Titration Method
	Chlorides	PE-4414 Shake Flask Test SMEWW 4500 Cl- B Argentometric Method
	Fluorides	PE-4414 Shake Flask Test SMEWW 4500 F- C Ion Selective Electrode Method
	Nitrates	PE-4414 Shake Flask Test SMEWW 4500 NO ₃ - D Nitrate Electrode Method
	Nitrites	PE-4414 Shake Flask Test SMEWW 4500 NO ₂ - B Colorimetric Method

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Page 8 of 13

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Geochem - Mining in Soils and Minerals (Shake Flask Test (SFT)) (continued)	Sulphates	PE-4414 Shake Flask Test SMEWW 4500 SO4-B Gravimetric Method with Drying of Residue
	Total Dissolved Solids	PE-4414 Shake Flask Test SMEWW 2540 C Total Dissolved Solids Dried
	WAD cyanide	PE-4414 Shake Flask Test SMEWW 4500-CN- F,I Cyanide Selective Electrode Method
	Total nitrogen	PE-4414 Shake Flask Test SMEWW 4500 N B Macro Kjeldahl Method
	pH	PE-4414 Shake Flask Test SMEWW 4500 H+ B Electrometric Method
Geochem - Mining in Soils and Minerals (SPLP)	Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mn, Hg, Mo, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, V, Zn y P	PE-4414 Shake Flask Test PE-4006 Sequential Extraction Metals Separation
	Chlorides	PE-4412 Leaching of Inorganic Compounds in Solid Samples SMEWW 4500 Cl- B Argentometric Method
	Fluorides	PE-4412 Leaching of Inorganic Compounds in Solid Samples SMEWW 4500 F- C Ion Selective Electrode Method
	Nitrates	PE-4412 Leaching of Inorganic Compounds in Solid Samples SMEWW 4500 NO3- D Nitrate Electrode Method
	Nitrites	PE-4412 Leaching of Inorganic Compounds in Solid Samples SMEWW 4500 NO2- B Colorimetric Method
	Total nitrogen	PE-4412 Leaching of Inorganic Compounds in Solid Samples SMEWW 4500 N B Macro Kjeldahl Method
	pH	PE-4412 Leaching of Inorganic Compounds in Solid Samples SMEWW 4500 H+ B Electrometric Method

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C. P. Ramani, P.E.
President

Print Date: 11/4/2015

Page 9 of 13

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International Accreditation Service

SCOPE OF ACCREDITATION

AGQ CHILE S.A. TL-513

FIELDS OF TESTING	DETERMINANTS	ACCREDITED TEST METHODS
Geochem - Mining in Soils and Minerals (SPLP) (continued)	Sulphates	PE-4412 Leaching of Inorganic Compounds in Solid Samples SMEWW 4500 SO4- B Gravimetric Method with Drying of Residue
	Total Dissolved Solids	PE-4412 Leaching of Inorganic Compounds in Solid Samples SMEWW 2540 C Total Dissolved Solids Dried
Geochem - Mining in Soils and Minerals (NAG Extract)	Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mn, Hg, Mo, Ni, K, Se, Ag, Na, Sr, Tl, Sn, Ti, V, Zn y P	PE-4414 Shake Flask Test PE-4006 Minerals metals by ICP
	Chlorides	PE-4412 Leaching of Inorganic Compounds in Solid Samples SMEWW 4500 Cl- B Argentometric Method
	Fluorides	PE-4412 Leaching of Inorganic Compounds in Solid Samples SMEWW 4500 F- C Ion Selective Electrode Method
	Nitrates	PE-4412 Leaching of Inorganic Compounds in Solid Samples SMEWW 4500 NO3- D Nitrate Electrode Method
	Nitrites	PE-4412 Leaching of Inorganic Compounds in Solid Samples SMEWW 4500 NO2- B Colorimetric Method
	Total Nitrogen	PE-4412 Leaching of Inorganic Compounds in Solid Samples SMEWW 4500 N B Macro Kjeldahl Method
	pH	PE-4412 Leaching of Inorganic Compounds in Solid Samples SMEWW 4500 H+ B Electrometric Method
	Sulphates	PE-4412 Leaching of Inorganic Compounds in Solid Samples SMEWW 4500 SO4- B Gravimetric Method with Drying of Residue
	Total Dissolved Solids	PE-4412 Leaching of Inorganic Compounds in Solid Samples SMEWW 2540 C Total Dissolved Solids Dried

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Print Date: 11/4/2015

Page 10 of 13

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FIELDS OF TESTING	DETERMINANTS	ACCREDITED TEST METHODS
Drinking Water	28, 52, 101, 118, 138, 153, 180	PC 204 Determination of PCB's using GC-MS-MS
Agua de consume	Benalaxyl, cys-Chlordane, trans-Chlordane, Dieldrin, Diflufenicam, beta-Endosulfan, Endosulfan-Sulfate, Endrin, Ethion, Fluzilazole, beta-HCH, Miclobutanilo, Oxyfluorfen, Pendimethalin, Simazine, Alachlor, Aldrin, Ametryn, Atrazine, Carbaryl, Chlorothalonil, Clodinafop, Diazinon, alpha-Endosulfan, Fenamifos, alpha-HCH, delta-HCH, Heptachlor, Heptachloroepoxide, Hexachlorobenzene, Parathion-ethyl, Parathion-methyl, Prometryn, Propazine, Pyridaben, Terbutryn, Terbutylazine, Trietazine, Trifluralin, Vinclozoline	PC-204 Determination of pesticide residue using GC-MS-MS
	(Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Benzo(ghi)preylene, Dibenzo(ah)anthracene, Indeno(1,2,3-c.d) pyrene	PC-204 Determination of PAH's using GC-MS-MS
	Clorobenceno, 1,2-diclorobenceno, 1,3-diclorobenceno, 1,4-diclorobenceno, etilbenceno	PC-241 Determination of VOC's using Head Space and GC-MS-MS
	Geosmin and MIBs using Solid-Phase Microextraction (SPME) and GC-MS-MS	PC-342 Determination of VOC's
Surface water and ground waters	Geosmina y MIB using Solid-Phase Microextraction (SPME) and GC-MS-MS	PC-342 Determination of VOC's
Aguas Continentales	Oils and Fats	SMEWW 5520 B Liquid-Liquid Partition Gravimetric Method
	Alkalinity, Carbonates, Bicarbonates	SMEWW 2330 B Alkalinity Titration Method
	Color	SMEWW 2120 B Visual Comparison Method
	DBO5	SMEWW 5210 B Biochemical Oxygen Demand 5-Day Bod Test
	COD	SMEWW 5220 D Chemical Oxygen Demand Closed Reflux Colorimetric Method
	Kjeldahl nitrogen	SM 4500 Norg D Macro Kjeldahl Method
	Settleable solids	SMEWW 2540 F Sttleable Solids
	Total Suspended Solids	SMEWW 2540 D Total Suspended Soilds
	Total sulfur	SMEWW 4500 S-2 G Ion Selective Electrode Method

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Page 11 of 13

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FIELDS OF TESTING	DETERMINANTS	ACCREDITED TEST METHODS
<p>Drinking water, wastewater, Seawater, process water, surface water and ground waters</p> <p>Agua Potable, Agua Residual, Agua Continental, Agua Marina y Agua de Procesos</p>	<p>Pesticides: Alacloro, Aldrin (SP), Alfa-HCH, Ametrina, Atrazina, Azinfol Metil, Benalaxil (SP), Beta-HCH, Captan, Carbaril, Cipermetrina, Ciproconazol, Clodinafop Propargil, Clordano Cis, Clordano Trans, Clordecona, Clorfenvinfos, Clorotalonil, Clorpirifos Etil, Clortal-Dimetil, Delta-HCH, Diazinon, Dicofol, Dieldrin (SP), Diflufenican, Dimetoato (SP), Endosulfan I, Endosulfan II, Endosulfan Sulfato, Endrin, Endrin Aldehido, Endrin Cetona, EPTC, Etion, Etoprofos, Fenamifos (SP), Flusilazol, Folpet, Heptacloro (SP), Heptacloro Epóxido (SP), Hexaclorobenceno, Isodrin, Lindano, Malation (SP), Metalaxil (SP), Metamidofos, Metidation, Metolacloro, Metoxiclor, Metribuzin, Miclobutanilo, Mirex, Molinato, o,p-DDT, Oxifluorfen, p,p-DDD, p,p-DDE, P,p-DDT, Paration Etil, Paration Metil (SP), Pendimetalina, Pentaclorobenceno, Phtalimida, Piridaben, Pirimetanil, Prometrina, Propazina, Propizamida, Simazina, Simetrina, Terbutilazina, Terbutrin, Tetradifon, Triclorfon, Trietazina, Trifluralin, Vinclozolina (SP)</p> <p>PAH's: Acenafteno, Acenaftileno, Benzo (a) antraceno, Benzo (a) pireno, Benzo (b) fluoranteno, Benzo (e) pireno, Benzo (g,h,i) perileno, Benzo (k) fluoranteno, Dibenzo (a,h) antraceno, Indeno (1,2,3-c,d) pireno, Pireno, Criseno, Fenantreno, Fluoranteno, Fluoreno, Naftaleno, Antraceno</p> <p>PCB's: PCB n° 101, PCB n° 118, PCB n° 138, PCB n° 153, PCB n° 180, PCB n° 28, PCB n° 52</p>	<p>PC-204 Determination of pesticide residue using GC-MS-MS</p>
	<p>Total Petroleum Hydrocarbons (TPHs) C5; C6-C10; >C10-C28: >C28-C40</p>	<p>PE-649 Determination of Hydrocarbon in a Range C6 C40, Water and Soils by Gas Chromatography – FID</p>
<p>Soils / Suelos</p>	<p>pH</p>	<p>PEC 001 Determination of pH</p>
<p>Sludge – Sediments / Lodos – Sedimentos</p>	<p>Electrical Conductivity</p>	<p>PEC 002 Determination of Electrical Conductivity</p>
	<p>Moisture</p>	<p>PEC 022 Determination of Humidity</p>
	<p>Arsenic; Selenium; Cadmium; Copper; Mercury; Nickel; Lead; Zinc</p>	<p>PE 951 Determination of Metals in Soils and Sludge by ICP PE 132 Microwave Digestion of Samples</p>

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Page 12 of 13

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FIELDS OF TESTING	DETERMINANTS	ACCREDITED TEST METHODS
Soils and Sediments Suelos y Sedimentos	Polychlorinated Biphenyls (PCBs) Total and PCB 28, PCB 52, PCB 101, PCB 118, PCB 138, PCB 153, PCB 180	PC 205 Determination of Pesticide Residues, PAH and PCB in Soils
	Polycyclic Aromatic Hydrocarbons (PAHs) Acenafteno, Acenaftileno, Antraceno, Benzo (a) antraceno, benzo (a) pireno, benzo (e) pireno, benzo (b) fluoranteno, benzo (g,h,i) perileno, benzo (j) fluoranteno, Benzo (k) fluoranteno, criseno, dibenzo (a,h) antroceno, fluoranteno, fluoreno, indeno (1,2,3 – c,d) pireno, fenantreno, pireno	PC 205 Determination of Pesticide Residues, PAH and PCB in Soils
	Total Petroleum Hydrocarbons (TPHs) C5; C6-C10; >C10-C28: >C28-C40	PE-649 Determination of Hydrocarbon in a Range C6 C40, Water and Soils by Gas Chromatography – FID
	Pesticides: Alacloro, Aldrin (SP), Alfa-HCH, Ametrina, Atrazina, Azinfos Metil, Benalaxil (SP), Beta-HCH, Captan, Carbaril, Cipermetrina, Ciproconazol, Clodinafop Propargil, Clordano Cis, Clordano Trans, Clordecona, Clorfenvinfos, Clorotalonil, Clorpirifos Etil, Clortal-Dimetil, Delta-HCH, Diazinon, Dicofol, Dieldrin (SP), Diflufenican, Dimetoato (SP), Endosulfan I, Endosulfan II, Endosulfan Sulfato, Endrin, Endrin Aldehido, Endrin Cetona, EPTC, Etion, Etoprofos, Fenamifos (SP), Flusilazol, Folpet, Heptacloro (SP), Heptacloro Epóxido (SP), Hexaclorobenceno, Isodrin, Lindano, Malation (SP), Metalaxil (SP), Metamidofos, Metidation, Metolacloro, Metoxiclor, Metribuzin, Miclobutanilo, Mirex, Molinato, o,p-DDT, Oxifluorfen, p,p-DDD, p,p-DDE, P,p-DDT, Paration Etil, Paration Metil (SP), Pendimetalina, Pentaclorobenceno, Phtalimida, Piridaben, Pirimetanil, Prometrina, Propazina, Propizamida, Simazina, Simetrina, Terbutilazina, Terbutrin, Tetradifon, Triclorfon, Trietazina, Trifluralin, Vinclozolina (SP)	PC-204 Determination of pesticide residues using GC-MS-MS
Air Quality Calidad del Aire	Air Quality metals in filter Aluminium; Arsenic; Barium; Beryllium; Cadmium; Calcium; Cobalt; Copper; Chrome; Iron; Magnesium; Manganese; Molybdenum; Nickel; Silver; Lead; Potassium; Sodium; Talio; Zinc	PC 230 Determination of Heavy Metals by ICP PE 132 Microwave Digestion of Samples
	Particulate Matter by Gravimetry in Filters	PC 330 Weighing Filters high Volume (Hi- VOL) – For air Quality tests only

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Page 13 of 13

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