Schedule of Accreditation

Organisation Name	Euro Environmental Management Ltd
Trading As	Fitz Scientific
INAB Reg No	389T
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Accreditation Standard	EN ISO/IEC 17025 T
Standard Version	2017
Date of award of accreditation	02/06/2021
Scope Classification	Biological and veterinary testing
Scope Classification	Chemical testing
Services available to the public[1]	Yes

[1] Refer to document on interpreting INAB Scopes of Accreditation

Sites from which accredited services are delivered		
(the detail of the accredited services delivered at each site are on the Scope of Accreditation)		
	Name	**Address**
1	Head Office	Unit 35a, , Boyne Business Park, Drogheda, Louth, Ireland, A92 D52D
2	Head Office	Unit 1 Boyne Business Park, Drogheda, Louth
3	Fitz Scientific	Unit 1, Boyne Business Park, Drogheda, Louth, Ireland, A92 Y397

Scope of Accreditation

Fitz Scientific

Biological and Veterinary Testing

Category: A

Biology/veterinary field - Tests	Test name	Technique	Matrix	Equipment	Std. reference
803 Culture of organisms in liquid or agar based culture media with visual or instrument monitoring for growth - .01 Culture of bacteria	Clostridium perfringens (and spores), presumptive	Isolation and enumeration by membrane filtration	Potable waters, well waters, bottled mineral waters	Membrane filtration unit	Based on Environment Agency -The Microbiology of Drinking Water (2021) - Part 6 method B using SOP 161
	Detection and confirmation of Salmonella species	Pre-enrichment followed by selective enrichment in broth and plating on to selective agar. Confirmation of any presumptive Salmonella spp. is by biochemical - Microbact, and serological testing.	Cereals and bakery products, Cocoa and cocoa preparations, Confectionery, Dairy products, Egg products, Fats and oils, Fish, shellfish and molluscs, Foods, stockfoods and their additives, Fruit and vegetables, Soups, Herbs and spices, Ices and desserts, Meat and meat products, game, poultry, Nuts and nut products, snacks, Pet foods, Prepared dishes, Soup, broths and sauces, Surfaces, Animal feeds, Product contact surfaces.	Solus Elisa (Optima)	Solus ELISA (Optima) using XLD\BSA and SOP 455

Detection, confirmation and identification of Listeria species	N/A - submission is to verify performance of alternative media (PALCAM)	As accredited	As accredited	As accredited
	Selective pre-enrichment followed by selective enrichment in broth and plating on selective agar. Confirmation of any presumptive Listeria spp. is by biochemical testing - Microbact	Cereals and bakery products, Cocoa and cocoa preparations, Confectionery, Dairy products, Egg products, Fish, shellfish and molluscs, Foods, stockfoods and their additives, Fruit and vegetables, Soups, Herbs and spices, Ices and desserts, Meat and meat products, game, poultry, Nuts and nut products, snacks, Pet foods, Prepared dishes, Soup, broths and sauces, Surfaces, Animal feeds, Product contact surfaces.	Solus Elisa	Solus ELISA using SOP 456
Enterococci	Isolation and enumeration by membrane filtration with confirmation by biochemical test	Potable waters, well waters, bottled mineral waters	Membrane filtration unit	Based on UK Environment Agency - The Microbiology of Drinking Water (2012) - Part 5 using SOP 153
Enumeration of Bacillus cereus (presumptive)	Isolation and enumeration by spread plate method	Cereals and bakery products, Cocoa and cocoa preparations, Dairy products, Egg products, Foods, stockfoods and their additives, Soups, Ices and desserts, Meat and meat products, game, poultry, Nuts and nut products, snacks, Prepared dishes, Soup, broths and sauces, Surfaces, Product contact surfaces.	Spread plate	Based on BS EN ISO 7932:2004 using spread plate using SOP 478
Enumeration of coagulase positive staphylococci (Staphylococcus aureus and other species)	Isolation and enumeration by spread plate method and confirmation by Coagulase Test	Cereals and bakery products, Cocoa and cocoa preparations, Confectionery, Dairy products, Egg products, Fish, shellfish and molluscs, Foods, stockfoods and their additives, Fruit and vegetables, Soups, Herbs and spices, Ices and desserts, Meat	Spread plate	BS EN ISO 6888-1:2021+A1:2023 using spread plate, SOP 465

		and meat products, game, poultry, Nuts and nut products, snacks, Pet foods, Prepared dishes, Soup, broths and sauces, Surfaces, Animal feeds, Product contact surfaces.		
Enumeration of coliform organisms (presumptive)	Isolation and enumeration by pour plate method	Dairy products, Cereals and bakery products, Cocoa and cocoa preparations, Confectionery, Dairy products, Egg products, Fish, shellfish and molluscs, Foods, stockfoods and their additives, Fruit and vegetables, Soups, Herbs and spices, Ices and desserts, Meat and meat products, game, poultry, Nuts and nut products, snacks, Pet foods, Prepared dishes, Soup, broths and sauces, Surfaces, Animal feeds, Product contact surfaces.	Pour plate	Based on BS EN ISO 4832:2006 using pour plate using SOP 451
Enumeration of Enterobacteriaceae (presumptive)		Cereals and bakery products, Cocoa and cocoa preparations, Confectionery, Dairy products, Egg products, Fish, shellfish and molluscs, Foods, stockfoods and their additives, Fruit and vegetables, Soups, Herbs and spices, Ices and desserts, Meat and meat products, game, poultry, Nuts and nut products, snacks, Pet foods, Prepared dishes, Soup, broths and sauces, Surfaces, Animal feeds, Product contact surfaces.	Pour plate	Based on BS EN ISO 21528-2:2017 using pour plate using SOP 454
Enumeration of Listeria species	Isolation and enumeration by spread plate method and confirmation by biochemical testing - Microbact	Cereals and bakery products, Cocoa and cocoa preparations, Confectionery, Dairy products, Egg products, Fish, shellfish and molluscs, Foods, stockfoods and their additives, Fruit and vegetables, Soups, Herbs and spices, Ices and desserts, Meat and meat products, game, poultry,	Spread plate	Based on BS EN ISO 11290-2: 2017 with resuscitation stage using spread plate using SOP 480

		Nuts and nut products, snacks, Pet foods, Prepared dishes, Soup, broths and sauces, Surfaces, Animal feeds, Product contact surfaces.		
Enumeration of microorganisms – aerobic colony count at 30°C	Isolation and enumeration by pour plate method	Cereals and bakery products, Cocoa and cocoa preparations, Confectionery, Dairy products, Egg products, Fats and oils, Fish, shellfish and molluscs, Foods, stockfoods and their additives, Fruit and vegetables, Soups, Herbs and spices, Ices and desserts, Meat and meat products, game, poultry, Nuts and nut products, snacks, Pet foods, Prepared dishes, Soup, broths and sauces, Surfaces, Animal feeds, Product contact surfaces.	Pour plate	Based on BS EN ISO 4833-1:2013 using single pour plate using SOP 457
Enumeration of Pseudomonas spp.(presumptive)	Isolation and enumeration by spread plate method	Cereals and bakery products, Cocoa and cocoa preparations, Dairy products, Egg products, Meat and meat products, game and poultry, Foods, stockfoods and their additives, Soups, Ices and desserts, Meat and meat products, game, poultry, Nuts and nut products, snacks, Prepared dishes, Soup, broths and sauces, Surfaces, Product contact surfaces.	Spread plate	Based on BS EN ISO 13720:2010 using spread plate using SOP 496
Enumeration of yeasts and moulds in products with water activity > 0.95		Cereals and bakery products, Confectionery, Dairy products, Egg products, Fats and oils, Fish, shellfish and molluscs, Foods, stockfoods and their additives, Fruit and vegetables, Soups, Ices and desserts, Meat and meat products, game, poultry, Pet foods, Prepared dishes, Soup, broths and sauces, Surfaces, Animal feeds, Product contact surfaces.	Spread plate	Based on BS ISO 21527-1:2008 using spread plate using SOP 466

Enumeration of yeasts and moulds in products with water activity ≤ 0.95		Cereals and bakery products, Cocoa and cocoa preparations, Confectionery, Dairy products, Egg products, Spices, Nuts and nut products, snacks	Spread plate	Based on BS ISO 21527-2:2008 using spread plate using SOP 479
Enumeration of β-glucuronidase positive E. coli	Isolation and enumeration by pour plate method	Cereals and bakery products, Cocoa and cocoa preparations, Confectionery, Dairy products, Egg products, Fish, shellfish and molluscs, Foods, stockfoods and their additives, Fruit and vegetables, Soups, Herbs and spices, Ices and desserts, Meat and meat products, game, poultry, Nuts and nut products, snacks, Pet foods, Prepared dishes, Soup, broths and sauces, Surfaces, Animal feeds, Product contact surfaces.	Pour plate	Based on BS EN ISO 16649-2:2001 using pour plate using SOP 453
Listeria spp.	Isolation by real time PCR using culture and enrichment with confirmation by biochemical testing	Cereals and bakery products, Confectionery, Egg products, Prepared meat products, Environmental Swabs	Applied Biosystems™ QuantStudio™ 5 Real-Time PCR Instrument, SureTect™ Listeria species PCR Assay, Stick Swab / Neutralising Buffer	Listeria species PCR Assay, Incubator, autoclave, thermal cycler, balance, PCR Assay workflow certified by AFNOR UNI 03/09-11/13 with in-house method for isolation and confirmation, AOAC 071304 using SOP 592
Pseudomonas aeruginosa, presumptive	Isolation and enumeration by membrane filtration	Potable waters, well waters, bottled mineral waters	Membrane filtration unit	Based on UK Environment Agency - The Microbiology of Drinking Water (2015) - Part 8 using SOP 446
Salmonella	Isolation by real time PCR and confirmation by biochemical testing	Raw ground beef, pork, frankfurters, raw chicken, environmental swabs	Applied Biosystems™ QuantStudio™ 5 Real-Time PCR Instrument, SureTect™ Salmonella species PCR Assay, Incubator, autoclave, thermal cycler, balance	Alternative method - Thermo Scientific SureTectTM Salmonella species PCR Assay workflow certified by AFNOR UNI 03/07-11/13, AOAC 051303 using MKTTn/RVS + XLD/BSA for raw meat (10 g, 25 g), SOP 559

	Total Bacterial Count at 22°C and 37°C	Isolation and enumeration by spread plate method	Potable waters, well waters, bottled mineral waters	Spread plate	Based on UK Environment Agency - The Microbiology of Drinking Water (2020) - Part 7 using SOP 493
	Total Coliforms E.Coli	Isolation and enumeration by membrane filtration with confirmation by biochemical test	Potable waters, well waters, bottled mineral waters	Membrane filtration unit	Based on UK Environment Agency - The Microbiology of Drinking Water (2016) - Part 4, with confirmation by TNA using SOP 157

Chemical Testing

Category: A

Chemistry Field - Tests	Test name	Analyte	Range of measurement	Matrix	Equipment/technique	Standard reference/SOP
751 Food testing - .02 Nutritional analysis	Determination of Ash	Ash	0.81 - 8.19%	Petfood, Cereals, Nutritional Supplements & Powdered Infant Baby Powder, Vegetables & Fruit, Confectionery, Fish, Meat, Dairy Products, Nuts and Nut Products, General Foods, Bread and Bakery Products, Soups and Sauces, Prepared Foods - Ready to Eat Meals	Dry ashing in a muffled furnace @ 550 deg C	SOP 490 Mortensen & Wallin: J. Assoc. Off. Anal. Chem Vol 72, No 3 1989
	Determination of Carbohydrate in Food	Carbohydrate	0.01 - 100.00%	Petfood, Powdered Milk, Cereals, Nutritional Supplements and Infant Baby Powder, Vegetables, Confectionery, Fish, Meat, Dairy Products, Bread and Bakery Products, General Foods, Fruit, Soups and	By Calculation	SOP 488 FAO 1998

			Sauces, Nuts and Nut Products, Prepared Foods - Ready to Eat Meals, Milk		
Determination of Energy in Food - By Calculation	Energy	0.01 - 100.00%	Petfood, Powdered Milk, Cereals, Nutritional Supplements and Infant Baby Powder, Vegetables, Confectionery, Fish, Meat, Dairy Products, Bread and Bakery Products, General Foods, Fruit, Soups and Sauces, Nuts and Nut Products, Prepared Foods - Ready to Eat Meals, Milk	By Calculation	SOP 488 Carbohydrate Values in Food SOP 573 Reg EU 1169/2011 of European Parliament and Council of 25 October 2011.
Determination of Fatty Acid Methyl Esters	Methyl Arachidiate (C20:0)	0.35 to 100g/100g	Soups & Sauces, Pet food, Fruit & Veg, Cereal Dairy, Confectionary, Prepared Dishes, Infant Formula, Fish, Meat, Nuts & Nut Products	GC-FID	AOAC Method 2012.13 using CEM Rapid FAME's Analysis Method by SOP 564
	Methyl Behenate (C22:0)	0.35 to 100g/100g	Soups & Sauces, Pet food, Fruit & Veg, Cereal Dairy, Confectionary, Prepared Dishes, Infant Formula, Fish, Meat, Nuts & Nut Products	GC-FID	AOAC Method 2012.13 using CEM Rapid FAME's Analysis Method by SOP 564

		Methyl Butyrate (C4:0)	0.35 to 100g/100g	Soups & Sauces, Pet food, Fruit & Veg, Cereal Dairy, Confectionary, Prepared Dishes, Infant Formula, Fish, Meat, Nuts & Nut Products	GC-FID	AOAC Method 2012.13 using CEM Rapid FAME's Analysis Method by SOP 564
		Methyl cis-10 heptadecenoate (C17:1)	0.35 to 100g/100g	Soups & Sauces, Pet food, Fruit & Veg, Cereal Dairy, Confectionary, Prepared Dishes, Infant Formula, Fish, Meat, Nuts & Nut Products	GC-FID	AOAC Method 2012.13 using CEM Rapid FAME's Analysis Method by SOP 564
		Methyl cis-10-pentadecanoate (C15:1)	0.35 to 100g/100g	Soups & Sauces, Pet food, Fruit & Veg, Cereal Dairy, Confectionary, Prepared Dishes, Infant Formula, Fish, Meat, Nuts & Nut Products	GC-FID	AOAC Method 2012.13 using CEM Rapid FAME's Analysis Method by SOP 564
		Methyl cis-11,14,17-eicosatrienoate (C20:3)	0.35 to 100g/100g	Soups & Sauces, Pet food, Fruit & Veg, Cereal Dairy, Confectionary, Prepared Dishes, Infant Formula, Fish, Meat, Nuts & Nut Products	GC-FID	AOAC Method 2012.13 using CEM Rapid FAME's Analysis Method by SOP 564
		Methyl cis-11,14-eicosadienoate (C20:2)	0.35 to 100g/100g	Soups & Sauces, Pet food, Fruit & Veg, Cereal Dairy, Confectionary, Prepared Dishes, Infant Formula, Fish, Meat, Nuts & Nut Products	GC-FID	AOAC Method 2012.13 using CEM Rapid FAME's Analysis Method by SOP 564
		Methyl cis-11-eicosanoate (C20:1)	0.35 to 100g/100g	Soups & Sauces, Pet food, Fruit &	GC-FID	AOAC Method 2012.13 using

		Veg, Cereal Dairy, Confectionary, Prepared Dishes, Infant Formula, Fish, Meat, Nuts & Nut Products		CEM Rapid FAME's Analysis Method by SOP 564
Methyl cis-13,16-docosadienoate (C22:2)	0.35 to 100g/100g	Soups & Sauces, Pet food, Fruit & Veg, Cereal Dairy, Confectionary, Prepared Dishes, Infant Formula, Fish, Meat, Nuts & Nut Products	GC-FID	AOAC Method 2012.13 using CEM Rapid FAME's Analysis Method by SOP 564
Methyl cis-5,8,11,14-eicosatetraonoate (C20:4)	0.35 to 100g/100g	Soups & Sauces, Pet food, Fruit & Veg, Cereal Dairy, Confectionary, Prepared Dishes, Infant Formula, Fish, Meat, Nuts & Nut Products	GC-FID	AOAC Method 2012.13 using CEM Rapid FAME's Analysis Method by SOP 564
Methyl cis-8,11,14-eicosatrienoate (C20:3)	0.35 to 100g/100g	Soups & Sauces, Pet food, Fruit & Veg, Cereal Dairy, Confectionary, Prepared Dishes, Infant Formula, Fish, Meat, Nuts & Nut Products	GC-FID	AOAC Method 2012.13 using CEM Rapid FAME's Analysis Method by SOP 564
Methyl cis-9-oleate (C18:1)	0.35 to 100g/100g	Soups & Sauces, Pet food, Fruit & Veg, Cereal Dairy, Confectionary, Prepared Dishes, Infant Formula, Fish, Meat, Nuts & Nut Products	GC-FID	AOAC Method 2012.13 using CEM Rapid FAME's Analysis Method by SOP 564
Methyl Decanoate (C10:0)	0.35 to 100g/100g	Soups & Sauces, Pet food, Fruit & Veg, Cereal Dairy, Confectionary,	GC-FID	AOAC Method 2012.13 using CEM Rapid FAME's

		Prepared Dishes, Infant Formula, Fish, Meat, Nuts & Nut Products		Analysis Method by SOP 564
Methyl docosahexaenoate (C22:6) (DHA)	0.35 to 100g/100g	Soups & Sauces, Pet food, Fruit & Veg, Cereal Dairy, Confectionary, Prepared Dishes, Infant Formula, Fish, Meat, Nuts & Nut Products	GC-FID	AOAC Method 2012.13 using CEM Rapid FAME's Analysis Method by SOP 564
Methyl eicosapentaenoate (C20:5) (EPA)	0.35 to 100g/100g	Soups & Sauces, Pet food, Fruit & Veg, Cereal Dairy, Confectionary, Prepared Dishes, Infant Formula, Fish, Meat, Nuts & Nut Products	GC-FID	AOAC Method 2012.13 using CEM Rapid FAME's Analysis Method by SOP 564
Methyl Erucate (C22:1)	0.35 to 100g/100g	Soups & Sauces, Pet food, Fruit & Veg, Cereal Dairy, Confectionary, Prepared Dishes, Infant Formula, Fish, Meat, Nuts & Nut Products	GC-FID	AOAC Method 2012.13 using CEM Rapid FAME's Analysis Method by SOP 564
Methyl heneicosanoate (C21:0)	0.35 to 100g/100g	Soups & Sauces, Pet food, Fruit & Veg, Cereal Dairy, Confectionary, Prepared Dishes, Infant Formula, Fish, Meat, Nuts & Nut Products	GC-FID	AOAC Method 2012.13 using CEM Rapid FAME's Analysis Method by SOP 564
Methyl Heptadecanoate (C17:0)	0.35 to 100g/100g	Soups & Sauces, Pet food, Fruit & Veg, Cereal Dairy, Confectionary, Prepared Dishes, Infant Formula,	GC-FID	AOAC Method 2012.13 using CEM Rapid FAME's Analysis Method by SOP 564

		Fish, Meat, Nuts & Nut Products			
Methyl Hexanoate (C6:0)	0.35 to 100g/100g	Soups & Sauces, Pet food, Fruit & Veg, Cereal Dairy, Confectionary, Prepared Dishes, Infant Formula, Fish, Meat, Nuts & Nut Products	GC-FID	AOAC Method 2012.13 using CEM Rapid FAME's Analysis Method by SOP 564	
Methyl Laurate (C12:0)	0.35 to 100g/100g	Soups & Sauces, Pet food, Fruit & Veg, Cereal Dairy, Confectionary, Prepared Dishes, Infant Formula, Fish, Meat, Nuts & Nut Products	GC-FID	AOAC Method 2012.13 using CEM Rapid FAME's Analysis Method by SOP 564	
Methyl Lignocerate (C24:0)	0.35 to 100g/100g	Soups & Sauces, Pet food, Fruit & Veg, Cereal Dairy, Confectionary, Prepared Dishes, Infant Formula, Fish, Meat, Nuts & Nut Products	GC-FID	AOAC Method 2012.13 using CEM Rapid FAME's Analysis Method by SOP 564	
Methyl Linoleate (C18:2)	0.35 to 100g/100g	Soups & Sauces, Pet food, Fruit & Veg, Cereal Dairy, Confectionary, Prepared Dishes, Infant Formula, Fish, Meat, Nuts & Nut Products	GC-FID	AOAC Method 2012.13 using CEM Rapid FAME's Analysis Method by SOP 564	
Methyl Linolelaidate (C18:2)	0.35 to 100g/100g	Soups & Sauces, Pet food, Fruit & Veg, Cereal Dairy, Confectionary, Prepared Dishes, Infant Formula, Fish, Meat, Nuts & Nut Products	GC-FID	AOAC Method 2012.13 using CEM Rapid FAME's Analysis Method by SOP 564	

Methyl Linolenate (C18:3) (ALA)	0.35 to 100g/100g	Soups & Sauces, Pet food, Fruit & Veg, Cereal Dairy, Confectionary, Prepared Dishes, Infant Formula, Fish, Meat, Nuts & Nut Products	GC-FID	AOAC Method 2012.13 using CEM Rapid FAME's Analysis Method by SOP 564
Methyl Myristate (C14:0)	0.35 to 100g/100g	Soups & Sauces, Pet food, Fruit & Veg, Cereal Dairy, Confectionary, Prepared Dishes, Infant Formula, Fish, Meat, Nuts & Nut Products	GC-FID	AOAC Method 2012.13 using CEM Rapid FAME's Analysis Method by SOP 564
Methyl Myristoleate (C14:1)	0.35 to 100g/100g	Soups & Sauces, Pet food, Fruit & Veg, Cereal Dairy, Confectionary, Prepared Dishes, Infant Formula, Fish, Meat, Nuts & Nut Products	GC-FID	AOAC Method 2012.13 using CEM Rapid FAME's Analysis Method by SOP 564
Methyl Nervonate (C24:1)	0.35 to 100g/100g	Soups & Sauces, Pet food, Fruit & Veg, Cereal Dairy, Confectionary, Prepared Dishes, Infant Formula, Fish, Meat, Nuts & Nut Products	GC-FID	AOAC Method 2012.13 using CEM Rapid FAME's Analysis Method by SOP 564
Methyl Octanoate (C8:0)	0.35 to 100g/100g	Soups & Sauces, Pet food, Fruit & Veg, Cereal Dairy, Confectionary, Prepared Dishes, Infant Formula, Fish, Meat, Nuts & Nut Products	GC-FID	AOAC Method 2012.13 using CEM Rapid FAME's Analysis Method by SOP 564
Methyl Palmitate (C16:0)	0.35 to 100g/100g	Soups & Sauces, Pet food, Fruit &	GC-FID	AOAC Method 2012.13 using

		Veg, Cereal Dairy, Confectionary, Prepared Dishes, Infant Formula, Fish, Meat, Nuts & Nut Products		CEM Rapid FAME's Analysis Method by SOP 564
Methyl Palmitoleate (C16:1)	0.35 to 100g/100g	Soups & Sauces, Pet food, Fruit & Veg, Cereal Dairy, Confectionary, Prepared Dishes, Infant Formula, Fish, Meat, Nuts & Nut Products	GC-FID	AOAC Method 2012.13 using CEM Rapid FAME's Analysis Method by SOP 564
Methyl Pentadecanoate (C15:0)	0.35 to 100g/100g	Soups & Sauces, Pet food, Fruit & Veg, Cereal Dairy, Confectionary, Prepared Dishes, Infant Formula, Fish, Meat, Nuts & Nut Products	GC-FID	AOAC Method 2012.13 using CEM Rapid FAME's Analysis Method by SOP 564
Methyl Stearate (C18:0)	0.35 to 100g/100g	Soups & Sauces, Pet food, Fruit & Veg, Cereal Dairy, Confectionary, Prepared Dishes, Infant Formula, Fish, Meat, Nuts & Nut Products	GC-FID	AOAC Method 2012.13 using CEM Rapid FAME's Analysis Method by SOP 564
Methyl trans-9-eladiate (C18:1)	0.35 to 100g/100g	Soups & Sauces, Pet food, Fruit & Veg, Cereal Dairy, Confectionary, Prepared Dishes, Infant Formula, Fish, Meat, Nuts & Nut Products	GC-FID	AOAC Method 2012.13 using CEM Rapid FAME's Analysis Method by SOP 564
Methyl Tricosanoate (C23:0)	0.35 to 100g/100g	Soups & Sauces, Pet food, Fruit & Veg, Cereal Dairy, Confectionary,	GC-FID	AOAC Method 2012.13 using CEM Rapid FAME's

		Prepared Dishes, Infant Formula, Fish, Meat, Nuts & Nut Products		Analysis Method by SOP 564
Methyl Tridecanoate (C13:0)	0.35 to 100g/100g	Soups & Sauces, Pet food, Fruit & Veg, Cereal Dairy, Confectionary, Prepared Dishes, Infant Formula, Fish, Meat, Nuts & Nut Products	GC-FID	AOAC Method 2012.13 using CEM Rapid FAME's Analysis Method by SOP 564
Methyl Undecanoate (C11:0)	0.35 to 100g/100g	Soups & Sauces, Pet food, Fruit & Veg, Cereal Dairy, Confectionary, Prepared Dishes, Infant Formula, Fish, Meat, Nuts & Nut Products	GC-FID	AOAC Method 2012.13 using CEM Rapid FAME's Analysis Method by SOP 564
Methyl-gamma-linolenate (C18:3)	0.35 to 100g/100g	Soups & Sauces, Pet food, Fruit & Veg, Cereal Dairy, Confectionary, Prepared Dishes, Infant Formula, Fish, Meat, Nuts & Nut Products	GC-FID	AOAC Method 2012.13 using CEM Rapid FAME's Analysis Method by SOP 564
Mono-unsaturated Fat (Food)	0.35 to 100g/100g	Soups & Sauces, Pet food, Fruit & Veg, Cereal Dairy, Confectionary, Prepared Dishes, Infant Formula, Fish, Meat, Nuts & Nut Products	GC-FID	AOAC Method 2012.13 using CEM Rapid FAME's Analysis Method by SOP 564
Omega-3 Fatty Acids	0.35 to 100g/100g	Soups & Sauces, Pet food, Fruit & Veg, Cereal Dairy, Confectionary, Prepared Dishes, Infant Formula,	GC-FID	AOAC Method 2012.13 using CEM Rapid FAME's Analysis Method by SOP 564

		Fish, Meat, Nuts & Nut Products		
Omega-6 Fatty Acids	0.35 to 100g/100g	Soups & Sauces, Pet food, Fruit & Veg, Cereal Dairy, Confectionary, Prepared Dishes, Infant Formula, Fish, Meat, Nuts & Nut Products	GC-FID	AOAC Method 2012.13 using CEM Rapid FAME's Analysis Method by SOP 564
Omega-9 Fatty Acids	0.35 to 100g/100g	Soups & Sauces, Pet food, Fruit & Veg, Cereal Dairy, Confectionary, Prepared Dishes, Infant Formula, Fish, Meat, Nuts & Nut Products	GC-FID	AOAC Method 2012.13 using CEM Rapid FAME's Analysis Method by SOP 564
Poly-unsaturated Fat (Food)	0.35 to 100g/100g	Soups & Sauces, Pet food, Fruit & Veg, Cereal Dairy, Confectionary, Prepared Dishes, Infant Formula, Fish, Meat, Nuts & Nut Products	GC-FID	AOAC Method 2012.13 using CEM Rapid FAME's Analysis Method by SOP 564
Saturated Fat (Food)	0.35 to 100g/100g	Soups & Sauces, Pet food, Fruit & Veg, Cereal Dairy, Confectionary, Prepared Dishes, Infant Formula, Fish, Meat, Nuts & Nut Products	GC-FID	AOAC Method 2012.13 using CEM Rapid FAME's Analysis Method by SOP 564
Trans Fatty Acids	0.35 to 100g/100g	Soups & Sauces, Pet food, Fruit & Veg, Cereal Dairy, Confectionary, Prepared Dishes, Infant Formula, Fish, Meat, Nuts & Nut Products	GC-FID	AOAC Method 2012.13 using CEM Rapid FAME's Analysis Method by SOP 564

Determination of Moisture	Moisture	1.27 - 86.91%	Petfood, Cereals, Nutritional Supplements & Powdered Infant Baby Powder, Vegetables & Fruit, Confectionery, Fish, Meat, Dairy Products, Bread and Bakery Products, General Foods, Soups & Sauces, Prepared Foods - Ready to Eat Meals	Loss by drying	SOP 489 AOAC 984.25 S. S Nielsen Compositional Analysis of Foods
Determination of Nitrate in Food	Nitrate as NaNO3	15 to 2740 mg/kg (extended by dilution)	Meat and meat products, Fish and fish products, Dairy and dairy products, Baby food, Infant formula, Fruit and vegetables	IC with autosampler, conductivity detector	Using SOP 607
	Nitrate as NO3	11 to 10000 mg/kg (extended by dilution)	Fruit and vegetables	IC with autosampler, conductivity detector	Using SOP 607
		2.8 to 2000 mg/kg (extended by dilution)	Meat and meat products, Fish and fish products, Dairy and dairy products, Baby food, Infant formula	IC with autosampler, conductivity detector	Using SOP 607
Determination of Nitrite in Food	Nitrite as NaNO2 (extended by dilution)	9 to 1500 mg/kg (extended by dilution)	Meat and meat products, Fish and fish products, Dairy and dairy products, Baby food, Infant formula, Fruit and vegetables	IC with autosampler, conductivity detector	Using SOP 607

		Nitrite as NO2	6 to 1000 mg/kg (extended by dilution)	Meat and meat products, Fish and fish products, Dairy and dairy products, Baby food, Infant formula, Fruit and vegetables	IC with autosampler, conductivity detector	Using SOP 607
	Determination of Protein	Protein	0.24 - 49.17%	Petfood, Cereals, Nutritional Supplements, Infant Baby Powder,, Vegetables & Fruit, Confectionery, Fish, Meat, Dairy Products, Nuts and Nut Products, General Foods, Soups & Sauces, Prepared Foods - Ready to Eat Meals, Fish Food	Kjeldahl nitrogen method - digestion, distillation and titremetry	SOP 487 AOAC Vol 82 No 6 1999
	Determination of Sugars in Foodstuffs	Fructose	0.09 to 100g/100g	Soups and Sauces, Pet food, Fruit and Veg., Cereals, Non-Alcoholic Beverages, Confectionary, Prepared Dishes, Infant Formula, Lactose Free Infant Formula, Dessert and Ices	IC	High performance anion exchange chromatography with pulsed amperometric detection method (HPAEC-PAD) using SOP 562
		Galactose	0.03 to 100g/100g	Soups and Sauces, Pet food, Fruit and Veg., Cereals, Non-Alcoholic Beverages, Confectionary,	IC	High performance anion exchange chromatography with pulsed amperometric detection method (HPAEC-PAD) using SOP 562

				Prepared Dishes, Infant Formula, Lactose Free Infant Formula, Dessert and Ices		
		Glucose	0.06 to 100g/100g	Soups and Sauces, Pet food, Fruit and Veg., Cereals, Non-Alcoholic Beverages, Confectionary, Prepared Dishes, Infant Formula, Lactose Free Infant Formula, Dessert and Ices	IC	High performance anion exchange chromatography with pulsed amperometric detection method (HPAEC-PAD) using SOP 562
		Maltose	0.03 to 100g/100g	Soups and Sauces, Pet food, Fruit and Veg., Cereals, Non-Alcoholic Beverages, Confectionary, Prepared Dishes, Infant Formula, Lactose Free Infant Formula, Dessert and Ices	IC	High performance anion exchange chromatography with pulsed amperometric detection method (HPAEC-PAD) using SOP 562
		Sucrose	0.03 to 100g/100g	Soups and Sauces, Pet food, Fruit and Veg., Cereals, Non-Alcoholic Beverages, Confectionary, Prepared Dishes, Infant Formula, Lactose Free Infant Formula, Dessert and Ices	IC	High performance anion exchange chromatography with pulsed amperometric detection method (HPAEC-PAD) using SOP 562

		Total Sugars	0.03 to 100g/100g	Soups and Sauces, Pet food, Fruit and Veg., Cereals, Non-Alcoholic Beverages, Confectionary, Prepared Dishes, Infant Formula, Lactose Free Infant Formula, Dessert and Ices	IC	High performance anion exchange chromatography with pulsed amperometric detection method (HPAEC-PAD) using SOP 562
	Determination of Sulphur Dioxide in Food	Sulphur Dioxide	10 to 2010 mg/kg	Meat and meat products, Fish and fish products, Fruit, Vegetables, Alcoholic beverages, Soups and sauces, Cereal and cereal based products, Confectionery	VELP distillation, titrimetry	AOAC method 990.28 using SOP 607
	Determination of Total Dietary Fibre	Dietary Fibre	0.73 to 41.33%	Soups and Sauces, Pet food, Fruit and Veg., Cereals, Prepared Dishes, General Foods	Fibre Analyser	By SOP 561 using AnkomTDF Dietary Fibre Analyzer Operators Manual. AOAC 991.43
	Determination of Total Fat	Fat	0.03 - 100.00%	Petfood, Powdered Milk, Cereals, Nutritional Supplements and Infant Baby Powder, Vegetables, Confectionery, Fish, Meat, Dairy Products, Bread and Bakery Products, General Foods, Fruit, Soups & Sauces,	Total Fat using Nuclear Magnetic Resonance	SOP 486 AOAC 2008.06

				Nuts and Nut Products, Prepared Foods - Ready to Eat Meals, milk		
	Determination of Water Activity	Water	0.05 - 0.99 aW	Cereals & Bakery Products, Cocoa & Cocoa Preparations, Coffee, Tea, Dairy Products, Fish, Shellfish, Molluscs, Foodstuffs for Special Nutritional Use, Fruit & Vegetables, Ices & Desserts, Meat, Meat Products, Game & Poultry, Nuts & Nut Products, Pet Food, Prepared Dishes, Soups, broths & sauces	Water Activity Meter (by electrolytic measurement), Knife Mill, Oven	Using SOP 570 with method based on ISO 18787:2017 and SN 0180-1992
751 Food testing - .06 Allergens	Determination of Gluten in Foodstuffs (excel. fermented products)	Gluten	6 to 80 mg/Kg	Starch, pseudo cereals, legumes, soy, spices and their mixtures, mayonnaise, sauces, vegetables, cereals and cereal products, potatoes and potato products, egg products / ice cream / milk and their products, cheese and cheese products, spread, soft drinks, vinegar,	Ridasrceen Gliadin (R7001 kit) R5 Sandwich Elisa	AOAC Official Method of Analysis (OMA 2012.01) cert. 120601 using SOP 615

				fruits, fish and fish products, meat and meat products, vegetarian meat alternatives, confectionery		
752 Chemical residue testing - .01 Drugs and drug metabolites	Determination of 17b Estradiol in Waters	17b Estradiol	0.07 to 2.4 ng/L	Groundwater	Offline SPE coupled with LCMSMS	Based on EPA Method 539 Determination of Hormones in Drinking Water using SOP 618
			0.09 to 2.4 ng/L	Surface Water	Offline SPE coupled with LCMSMS	Based on EPA Method 539 Determination of Hormones in Drinking Water using SOP 618
			0.26 to 2.4 ng/L	Potable Water	Offline SPE coupled with LCMSMS	Based on EPA Method 539 Determination of Hormones in Drinking Water using SOP 618
752 Chemical residue testing - .02 Elements	Determination of Sugars in Foodstuffs	Lactose	0.03 to 100g/100g	Soups and Sauces, Pet food, Fruit and Veg., Cereals, Non-Alcoholic Beverages, Confectionary, Prepared Dishes, Infant Formula, Lactose Free Infant Formula, Dessert and Ices	IC	High performance anion exchange chromatography with pulsed amperometric detection method (HPAEC-PAD) using SOP 562
752 Chemical residue testing - .04 Pesticide residues	Determination of Aminomethylphosphonic acid (AMPA)	AMPA	0.002 to 0.200 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Based o ISO 16308:2014 - determination of glyphosate and AMPA using high pressure liquid chromatography and tandem MS detection along with in

						house development with Manufacturer Application Engineer using SOP 579
			0.007 to 0.200 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Based o ISO 16308:2014 - determination of glyphosate and AMPA using high pressure liquid chromatography and tandem MS detection along with in house development with Manufacturer Application Engineer using SOP 579
			0.01 to 0.200 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Based o ISO 16308:2014 - determination of glyphosate and AMPA using high pressure liquid chromatography and tandem MS detection along with in house development with Manufacturer Application Engineer using SOP 579
	Determination of Glyphosate	Glyphosate	0.0017 to 0.200 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Based on ISO 16308: 2014 - determination of Glyphosate and AMPA using high pressure liquid chromatography and tandem MS detection with the assistance of Manufacturing Application Engineer using SOP 579’
			0.002 to 0.200 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric	Based on ISO 16308: 2014 - determination of Glyphosate and

					detection (MSD) in multiple reaction mode (MRM)	AMPA using high pressure liquid chromatography and tandem MS detection with the assistance of Manufacturing Application Engineer using SOP 579’
			0.01 to 0.200 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Based on ISO 16308: 2014 - determination of Glyphosate and AMPA using high pressure liquid chromatography and tandem MS detection with the assistance of Manufacturing Application Engineer using SOP 579’
752 Chemical residue testing - .05 Organic contaminants	Determination of Acrylamide in Food	Acrylamide	19.0 to 2000 ug/kg (extended by dilution)	Infant foods, Coffee and coffee substitutes, Cereals and bakery products, Confectionary, Fruit and vegetables, High carbohydrate food stuffs (such as potato products, biscuits and bread)	LCMSMS	Following in-house SOP 630
	Determination of PFAS and PFOS	ADONA (919005-14-4) (Ground)	0.001 to 0.189 ug/L	Ground Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
		ADONA (919005-14-4) (Potable)	0.0015 to 0.1890 ug/L	Potable Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development

					together with Manufacturer Application Engineer using SOP 626
		ADONA (919005-14-4) (Surface)	0.001 to 0.189 ug/L	Surface Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
		HFDO-DA (GenX) (13252-13-6) (Ground)	0.002 to 0.200 ug/L	Ground Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
		HFDO-DA (GenX) (13252-13-6) (Potable)	0.0039 to 0.2000 ug/L	Potable Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
		HFDO-DA (GenX) (13252-13-6) (Surface)	0.002 to 0.200 ug/L	Surface Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
		PFAS (Sum of 20 identified by *) (Ground)	0.0008 to 0.2000 ug/L	Ground Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626

		PFAS (Sum of 20 identified by *) (Potable)	0.0027 to 0.2000 ug/L	Potable Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
		PFAS (Sum of 20 identified by *) (Surface)	0.0006 to 0.2000 ug/L	Surface Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
		PFBA (375-22-4) (Ground) *	0.001 to 0.200 ug/L	Ground Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
		PFBA (375-22-4) (Potable) *	0.0032 to 0.2000 ug/L	Potable Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
		PFBA (375-22-4) (Surface) *	0.0012 to 0.2000 ug/L	Surface Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
		PFBS (375-73-5) (Ground) *	0.001 to 0.177 ug/L	Ground Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626

PFBS (375-73-5) (Potable) *	0.003 to 0.177 ug/L	Potable Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
PFBS (375-73-5) (Surface) *	0.001 to 0.177 ug/L	Surface Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
PFDA (335-76-2) (Ground) *	0.002 to 0.200 ug/L	Ground Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
PFDA (335-76-2) (Potable) *	0.003 to 0.200 ug/L	Potable Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
PFDA (335-76-2) (Surface) *	.001 to 0.200 ug/L	Surface Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
PFDoA (307-55-1) (Ground) *	0.001 to 0.200 ug/L	Ground Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626

PFDoA (307-55-1) (Potable) *	0.005 to 0.200 ug/L	Potable Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
PFDoA (307-55-1) (Surface) *	0.01 to 0.20 ug/L	Surface Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
PFDoS (79780-39-5) (Ground) *	0.002 to 0.194 ug/L	Ground Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
PFDoS (79780-39-5) (Potable) *	0.005 to 0.194 ug/L	Potable Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
PFDoS (79780-39-5) (Surface) *	0.002 to 0.194 ug/L	Surface Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
PFDS (335-77-3) (Ground) *	0.002 to 0.193 ug/L	Ground Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626

PFDS (335-77-3) (Potable) *	0.0043 to 0.1930 ug/L	Potable Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
PFDS (335-77-3) (Surface) *	0.002 to 0.193 ug/L	Surface Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
PFHpA (375-85-9) (Ground) *	0.0008 to 0.2000 ug/L	Ground Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
PFHpA (375-85-9) (Potable) *	0.0027 to 0.2000 ug/L	Potable Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
PFHpA (375-85-9) (Surface) *	0.0008 to 0.2000 ug/L	Surface Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
PFHpS (375-92-8) (Ground) *	0.002 to 0.191 ug/L	Ground Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626

		PFHpS (375-92-8) (Potable) *	0.0044 to 0.1010 ug/L	Potable Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
		PFHpS (375-92-8) (Surface) *	0.0010 to 0.1910 ug/L	Surface Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
		PFHxA (307-24-4) (Ground) *	0.001 to 0.2000 ug/L	Ground Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
		PFHxA (307-24-4) (Potable) *	0.003 to 0.200 ug/L	Potable Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
		PFHxA (307-24-4) (Surface) *	0.0006 to 0.2000 ug/L	Surface Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
		PFHxDA (67905-19-5) (Ground)	0.01 to 0.20 ug/L	Ground Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626

		PFHxDA (67905-19-5) (Potable)	0.005 to 0.200 ug/L	Potable Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
		PFHxDA (67905-19-5) (Surface)	0.002 to 0.200 ug/L	Surface Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
		PFHxS (355-46-4) (Potable) *	0.004 to 0.190 ug/L	Potable Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
		PFHxS (355-46-4) (Surface) *	0.002 to 0.190 ug/L	Surface Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
		PFHxS (355-46-4) (Ground) *	0.001 to 0.190 ug/L	Ground Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
		PFNA (375-95-1) (Ground) *	0.001 0.200 ug/L	Ground Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626

PFNA (375-95-1) (Potable) *	0.0036 to 0.2000 ug/L	Potable Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
PFNA (375-95-1) (Surface) *	0.0026 to 0.2000 ug/L	Surface Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
PFNS (68259-12-1) (Ground) *	0.001 to 0.192 ug/L	Ground Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
PFNS (68259-12-1) (Potable) *	0.0042 to 0.1920 ug/L	Potable Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
PFNS (68259-12-1) (Surface) *	0.0014 to 0.1920 ug/L	Surface Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
PFOA (335-67-1) (Ground) *	0.002 to 0.200 ug/L	Ground Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626

PFOA (335-67-1) (Potable) *	0.0042 to 0.2000 ug/L	Potable Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
PFOA (335-67-1) (Surface) *	0.0012 tyo 0.2000 ug/L	Surface Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
PFOS (1763-23-1) (Ground) *	0.002 to 0.192 ug/L	Ground Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
PFOS (1763-23-1) (Potable) *	0.005 to 0.192 ug/L	Potable Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
PFOS (1763-23-1) (Surface) *	0.001 to 0.192 ug/L	Surface Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
PFPA (2706-90-3) (Ground) *	0.001 to 0.200 ug/L	Ground Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626

PFPA (2706-90-3) (Potable) *	0.0030 to 0.2000 ug/L	Potable Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
PFPA (2706-90-3) (Surface) *	0.001 to 0.200 ug/L	Surface Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
PFPeS (2706-91-4) (Ground) *	0.001 to 0.188 ug/L	Ground Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
PFPeS (2706-91-4) (Potable) *	0.004 to 0.188 ug/L	Potable Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
PFPeS (2706-91-4) (Surface) *	0.002 to 0.188 ug/L	Surface Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
PFTeA (376-06-7) (Ground)	0.001 to 0.200 ug/L	Ground Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626

PFTeA (376-06-7) (Potable)	0.005 to 0.200 ug/L	Potable Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
PFTeA (376-06-7) (Surface)	0.002 to 0.200 ug/L	Surface Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
PFTrDA (72629-94-8) (Ground) *	0.002 to 0.200 ug/L	Ground Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
PFTrDA (72629-94-8) (Potable) *	0.01 to 0.20 ug/L	Potable Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
PFTrDA (72629-94-8) (Surface) *	0.002 to 0.200 ug/L	Surface Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
PFTrDS (791563-89-8) (Ground) *	0.01 to 0.19 ug/L	Ground Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626

		PFTrDS (791563-89-8) (Potable) *	0.005 to 0.194 ug/L	Potable Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
		PFTrDS (791563-89-8) (Surface) *	0.003 to 0.194 ug/L	Surface Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
		PFUnA (2058-94-8) (Ground) *	0.001 to 0.200 ug/L	Ground Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
		PFUnA (2058-94-8) (Potable) *	0.004 to 0.200 ug/L	Potable Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
		PFUnA (2058-94-8) (Surface) *	0.0012 to 0.2000 ug/L	Surface Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
		PFUnDS (749786-16-1) (Ground) *	0.002 to 0.194 ug/L	Ground Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626

		PFUnDS (749786-16-1) (Potable) *	0.005 to 0.194 ug/L	Potable Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
		PFUnDS (749786-16-1) (Surface) *	0.002 to 0.194 ug/L	Surface Water	Solid phase extraction with direct injection LCMSMS	Based on ISO 21675:2019 with in house development together with Manufacturer Application Engineer using SOP 626
766 Environmental testing (inc waters) - .01 Metal analysis	Determination of Metals by ICP-OES	Antimony	6 to 5000 mg/Kg	Soil	ICP-OES	Based on US EPA Method 3051 using SOP 616
			6 to 5000 mg/Kg	Solid (CDW - Construction and demolition waste, RA - Recycled aggregates, BDW - Biodegradable waste, Sludge)	ICP-OES	Based on US EPA Method 3051 using SOP 616
		Arsenic	5 to 5000 mg/Kg	Soil	ICP-OES	Based on US EPA Method 3051 using SOP 616
			6 to 5000 mg/Kg	Solid (CDW - Construction and demolition waste, RA - Recycled aggregates, BDW - Biodegradable waste, Sludge)	ICP-OES	Based on US EPA Method 3051 using SOP 616
		Barium	6 to 5000 mg/Kg	Soil	ICP-OES	Based on US EPA Method 3051 using SOP 616
			6 to 5000 mg/Kg	Solid (CDW - Construction and demolition waste, RA - Recycled	ICP-OES	Based on US EPA Method 3051 using SOP 616

				aggregates, BDW - Biodegradable waste, Sludge)		
		Boron	12 to 5000 mg/Kg	Solid (CDW - Construction and demolition waste, RA - Recycled aggregates, BDW - Biodegradable waste, Sludge)	ICP-OES	Based on US EPA Method 3051 using SOP 616
			13 to 5000 mg/Kg	Soil	ICP-OES	Based on US EPA Method 3051 using SOP 616
		Cadmium	5 to 5000 mg/Kg	Soil	ICP-OES	Based on US EPA Method 3051 using SOP 616
			6 to 5000 mg/Kg	Solid (CDW - Construction and demolition waste, RA - Recycled aggregates, BDW - Biodegradable waste, Sludge)	ICP-OES	Based on US EPA Method 3051 using SOP 616
		Calcium	105 to 50000 mg/Kg	Soil	ICP-OES	Based on US EPA Method 3051 using SOP 616
		Chromium	6 to 5000 ug/Kg	Solid (CDW - Construction and demolition waste, RA - Recycled aggregates, BDW - Biodegradable waste, Sludge)	ICP-OES	Based on US EPA Method 3051 using SOP 616
			7 to 5000 mg/Kg	Soil	ICP-OES	Based on US EPA Method 3051 using SOP 616
		Copper	146 to 5000 mg/Kg	Solid (CDW - Construction and demolition waste, RA - Recycled	ICP-OES	Based on US EPA Method 3051 using SOP 616

			aggregates, BDW - Biodegradable waste, Sludge)		
		38 to 5000 mg/Kg	Soil	ICP-OES	Based on US EPA Method 3051 using SOP 616
	Iron	268 to 50000 mg/Kg	Soil	ICP-OES	Based on US EPA Method 3051 using SOP 616
		81 to 50000 mg/Kg	Solid (CDW - Construction and demolition waste, RA - Recycled aggregates, BDW - Biodegradable waste, Sludge)	ICP-OES	Based on US EPA Method 3051 using SOP 616
	Lead	6 to 5000 mg/Kg	Solid (CDW - Construction and demolition waste, RA - Recycled aggregates, BDW - Biodegradable waste, Sludge)	ICP-OES	Based on US EPA Method 3051 using SOP 616
		7 to 5000 mg/Kg	Soil	ICP-OES	Based on US EPA Method 3051 using SOP 616
	Nickel	11 to 5000 mg/Kg	Soil	ICP-OES	Based on US EPA Method 3051 using SOP 616
		13 to 5000 mg/kg	Solid (CDW - Construction and demolition waste, RA - Recycled aggregates, BDW - Biodegradable waste, Sludge)	ICP-OES	Based on US EPA Method 3051 using SOP 616
	Selenium	2 to 5000 mg/Kg	Soil	ICP-OES	Based on US EPA Method 3051 using SOP 616

			3 to 5000 mg/Kg	Solid (CDW - Construction and demolition waste, RA - Recycled aggregates, BDW - Biodegradable waste, Sludge)	ICP-OES	Based on US EPA Method 3051 using SOP 616
		Zinc	13 to 5000 mg/Kg	Soil	ICP-OES	Based on US EPA Method 3051 using SOP 616
			13 to 5000 mg/Kg	Solid (CDW - Construction and demolition waste, RA - Recycled aggregates, BDW - Biodegradable waste, Sludge)	ICP-OES	Based on US EPA Method 3051 using SOP 616
766 Environmental testing (inc waters) - .04 Organic	Determination of Acrylamide	Acrylamide	0.0013 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Based on EPA Method 557 Quantification of Haloacetic acids, Bromate, and Dalapon in Drinking Water Using Ion Chromatography and Tandem Mass Spectrometry Level Utilizing Online Sample Preparation with LC-MS/MS using SOP 580
			0.0025 to 0.25 ug/L	Ground Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Based on EPA Method 557 Quantification of Haloacetic acids, Bromate, and Dalapon in Drinking Water Using Ion Chromatography and Tandem Mass Spectrometry Level Utilizing Online

						Sample Preparation with LC-MS/MS using SOP 580
			0.004 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Based on EPA Method 557 Quantification of Haloacetic acids, Bromate, and Dalapon in Drinking Water Using Ion Chromatography and Tandem Mass Spectrometry Level Utilizing Online Sample Preparation with LC-MS/MS using SOP 580
	Determination of Haloacetic Acid	BromoChloroAcetic Acid (b)	0.2 to 80 ug/l	Ground Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Based on EPA Method 557 Quantification of Haloacetic acids, Bromate, and Dalapon in Drinking Water Using Ion Chromatography and Tandem Mass Spectrometry Level Utilizing Online Sample Preparation with LC-MS/MS using SOP 580
			0.2 to 80 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Based on EPA Method 557 Quantification of Haloacetic acids, Bromate, and Dalapon in Drinking Water Using Ion Chromatography and Tandem Mass Spectrometry Level Utilizing Online Sample Preparation

						with LC-MS/MS using SOP 580
			0.5 to 80 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Based on EPA Method 557 Quantification of Haloacetic acids, Bromate, and Dalapon in Drinking Water Using Ion Chromatography and Tandem Mass Spectrometry Level Utilizing Online Sample Preparation with LC-MS/MS using SOP 580
		BromoDiChloroAcetic Acid (b)	0.2 to 80 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Based on EPA Method 557 Quantification of Haloacetic acids, Bromate, and Dalapon in Drinking Water Using Ion Chromatography and Tandem Mass Spectrometry Level Utilizing Online Sample Preparation with LC-MS/MS using SOP 580
			0.5 to 80 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Based on EPA Method 557 Quantification of Haloacetic acids, Bromate, and Dalapon in Drinking Water Using Ion Chromatography and Tandem Mass Spectrometry Level Utilizing Online Sample Preparation

						with LC-MS/MS using SOP 580
		ChloroDiBromoAcetic Acid (b)	0.1 to 80 ug/L	Ground Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Based on EPA Method 557 Quantification of Haloacetic acids, Bromate, and Dalapon in Drinking Water Using Ion Chromatography and Tandem Mass Spectrometry Level Utilizing Online Sample Preparation with LC-MS/MS using SOP 580
			0.2 to 80 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Based on EPA Method 557 Quantification of Haloacetic acids, Bromate, and Dalapon in Drinking Water Using Ion Chromatography and Tandem Mass Spectrometry Level Utilizing Online Sample Preparation with LC-MS/MS using SOP 580
			0.5 to 80 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Based on EPA Method 557 Quantification of Haloacetic acids, Bromate, and Dalapon in Drinking Water Using Ion Chromatography and Tandem Mass Spectrometry Level Utilizing Online Sample Preparation

						with LC-MS/MS using SOP 580
		DiBromoAcetic Acid (a,b)	0.2 to 80 ug/L	Ground Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Based on EPA Method 557 Quantification of Haloacetic acids, Bromate, and Dalapon in Drinking Water Using Ion Chromatography and Tandem Mass Spectrometry Level Utilizing Online Sample Preparation with LC-MS/MS using SOP 580
			0.2 to 80 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Based on EPA Method 557 Quantification of Haloacetic acids, Bromate, and Dalapon in Drinking Water Using Ion Chromatography and Tandem Mass Spectrometry Level Utilizing Online Sample Preparation with LC-MS/MS using SOP 580
			0.5 to 80 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Based on EPA Method 557 Quantification of Haloacetic acids, Bromate, and Dalapon in Drinking Water Using Ion Chromatography and Tandem Mass Spectrometry Level Utilizing Online Sample Preparation

						with LC-MS/MS using SOP 580
		DiChloroAcetic Acid (a,b)	0.1 to 0.80 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Based on EPA Method 557 Quantification of Haloacetic acids, Bromate, and Dalapon in Drinking Water Using Ion Chromatography and Tandem Mass Spectrometry Level Utilizing Online Sample Preparation with LC-MS/MS using SOP 580
			0.2 to 80 ug/L	Ground Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Based on EPA Method 557 Quantification of Haloacetic acids, Bromate, and Dalapon in Drinking Water Using Ion Chromatography and Tandem Mass Spectrometry Level Utilizing Online Sample Preparation with LC-MS/MS using SOP 580
			0.4 to 80 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Based on EPA Method 557 Quantification of Haloacetic acids, Bromate, and Dalapon in Drinking Water Using Ion Chromatography and Tandem Mass Spectrometry Level Utilizing Online Sample Preparation

						with LC-MS/MS using SOP 580
		MonoBromoAcetic Acid (a,b)	0.19 to 80 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Based on EPA Method 557 Quantification of Haloacetic acids, Bromate, and Dalapon in Drinking Water Using Ion Chromatography and Tandem Mass Spectrometry Level Utilizing Online Sample Preparation with LC-MS/MS using SOP 580
			0.2 to 80 ug/L	Ground Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Based on EPA Method 557 Quantification of Haloacetic acids, Bromate, and Dalapon in Drinking Water Using Ion Chromatography and Tandem Mass Spectrometry Level Utilizing Online Sample Preparation with LC-MS/MS using SOP 580
			0.6 to 80 ug/L	Potable Wtaer	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Based on EPA Method 557 Quantification of Haloacetic acids, Bromate, and Dalapon in Drinking Water Using Ion Chromatography and Tandem Mass Spectrometry Level Utilizing Online Sample Preparation

						with LC-MS/MS using SOP 580
		MonoChloroAcetic Acid (a,b)	0.2 to 80 ug/L	Ground Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Based on EPA Method 557 Quantification of Haloacetic acids, Bromate, and Dalapon in Drinking Water Using Ion Chromatography and Tandem Mass Spectrometry Level Utilizing Online Sample Preparation with LC-MS/MS using SOP 580
			0.2 to 80 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Based on EPA Method 557 Quantification of Haloacetic acids, Bromate, and Dalapon in Drinking Water Using Ion Chromatography and Tandem Mass Spectrometry Level Utilizing Online Sample Preparation with LC-MS/MS using SOP 580
			0.6 to 80 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Based on EPA Method 557 Quantification of Haloacetic acids, Bromate, and Dalapon in Drinking Water Using Ion Chromatography and Tandem Mass Spectrometry Level Utilizing Online Sample Preparation

						with LC-MS/MS using SOP 580
		Total of 5 Haloacetic Acids (total of those marked as 'a')	0.1 to 80 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Based on EPA Method 557 Quantification of Haloacetic acids, Bromate, and Dalapon in Drinking Water Using Ion Chromatography and Tandem Mass Spectrometry Level Utilizing Online Sample Preparation with LC-MS/MS using SOP 580
			0.2 ug/L	Ground Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Based on EPA Method 557 Quantification of Haloacetic acids, Bromate, and Dalapon in Drinking Water Using Ion Chromatography and Tandem Mass Spectrometry Level Utilizing Online Sample Preparation with LC-MS/MS using SOP 580
			0.4 to 80 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Based on EPA Method 557 Quantification of Haloacetic acids, Bromate, and Dalapon in Drinking Water Using Ion Chromatography and Tandem Mass Spectrometry Level Utilizing Online Sample Preparation

						with LC-MS/MS using SOP 580
		Total of 9 Haloacetic Acids (total of those marked as 'b')	0.1 to 80 ug/L	Ground Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Based on EPA Method 557 Quantification of Haloacetic acids, Bromate, and Dalapon in Drinking Water Using Ion Chromatography and Tandem Mass Spectrometry Level Utilizing Online Sample Preparation with LC-MS/MS using SOP 580
			0.1 to 80 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Based on EPA Method 557 Quantification of Haloacetic acids, Bromate, and Dalapon in Drinking Water Using Ion Chromatography and Tandem Mass Spectrometry Level Utilizing Online Sample Preparation with LC-MS/MS using SOP 580
			0.4 to 80 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Based on EPA Method 557 Quantification of Haloacetic acids, Bromate, and Dalapon in Drinking Water Using Ion Chromatography and Tandem Mass Spectrometry Level Utilizing Online Sample Preparation

						with LC-MS/MS using SOP 580
		TriBromoAcetic Acid (b)	0.1 to 80 ug/L	Ground Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Based on EPA Method 557 Quantification of Haloacetic acids, Bromate, and Dalapon in Drinking Water Using Ion Chromatography and Tandem Mass Spectrometry Level Utilizing Online Sample Preparation with LC-MS/MS using SOP 580
			0.2 to 80 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Based on EPA Method 557 Quantification of Haloacetic acids, Bromate, and Dalapon in Drinking Water Using Ion Chromatography and Tandem Mass Spectrometry Level Utilizing Online Sample Preparation with LC-MS/MS using SOP 580
			0.5 to 80 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Based on EPA Method 557 Quantification of Haloacetic acids, Bromate, and Dalapon in Drinking Water Using Ion Chromatography and Tandem Mass Spectrometry Level Utilizing Online Sample Preparation

						with LC-MS/MS using SOP 580
		TriChloroAcetic Acid (a,b)	0.1 to 80 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Based on EPA Method 557 Quantification of Haloacetic acids, Bromate, and Dalapon in Drinking Water Using Ion Chromatography and Tandem Mass Spectrometry Level Utilizing Online Sample Preparation with LC-MS/MS using SOP 580
			0.2 to 80 ug/L	Ground Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Based on EPA Method 557 Quantification of Haloacetic acids, Bromate, and Dalapon in Drinking Water Using Ion Chromatography and Tandem Mass Spectrometry Level Utilizing Online Sample Preparation with LC-MS/MS using SOP 580
			0.4 to 80 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Based on EPA Method 557 Quantification of Haloacetic acids, Bromate, and Dalapon in Drinking Water Using Ion Chromatography and Tandem Mass Spectrometry Level Utilizing Online Sample Preparation

						with LC-MS/MS using SOP 580
	Determination of Organic Matter	Loss on Ignition	0.8 % to 100 %	Soil	Muffle Furnace, Drying oven, Balance	Based on Soil Sampling and Methods of Analysis, 1993 using SOP 310
			8.0 % to 100 %	Solids (CDW, BDW, RA) CDW - Construction & Demolition Waste, BDW - Biodegradable Waste, RA - Recycled Aggregates	Muffle Furnace, Drying oven, Balance	Based on Soil Sampling and Methods of Analysis, 1993 using SOP 310
			9 % to 100 %	Sludge	Muffle Furnace, Drying oven, Balance	Based on Soil Sampling and Methods of Analysis, 1993 using SOP 310
	Determination of TPH's	Aliphatics (>C10-C12)	7 to 2000 mg/Kg	Soil	Solvent extraction using PAL RTC and analysis by GC-FID Chromatography	Based on USEPA Method 8015B using SOP 572
		Aliphatics (>C12-C16)	11 to 2000 mg/Kg	Solid (CDW - Construction and Demolition Waste)	Solvent extraction using PAL RTC and analysis by GC-FID Chromatography	Based on USEPA Method 8015B using SOP 572
			7 to 2000 mg/Kg	Soil	Solvent extraction using PAL RTC and analysis by GC-FID Chromatography	Based on USEPA Method 8015B using SOP 572
		Aliphatics (>C16-C21)	11 to 2000 mg/Kg	Solid (CDW - Construction and Demolition Waste)	Solvent extraction using PAL RTC and analysis by GC-FID Chromatography	Based on USEPA Method 8015B using SOP 572
			7 to 2000 mg/Kg	Soil	Solvent extraction using PAL RTC and analysis by GC-FID Chromatography	Based on USEPA Method 8015B using SOP 572

Aliphatics (>C21-C35)	7 to 2000 mg/Kg	Soil	Solvent extraction using PAL RTC and analysis by GC-FID Chromatography	Based on USEPA Method 8015B using SOP 572
Aliphatics (>C35-C40)	11 to 2000 mg/Kg	Solid (CDW - Construction and Demolition Waste)	Solvent extraction using PAL RTC and analysis by GC-FID Chromatography	Based on USEPA Method 8015B using SOP 572
	7 to 2000 mg/Kg	Soil	Solvent extraction using PAL RTC and analysis by GC-FID Chromatography	Based on USEPA Method 8015B using SOP 572
Aliphatics (>C8-C12)	11 to 2000 mg/Kg	Solid (CDW - Construction and Demolition Waste)	Solvent extraction using PAL RTC and analysis by GC-FID Chromatography	Based on USEPA Method 8015B using SOP 572
Aliphatics (C8 - C10)	7 to 2000 mg/Kg	Soil	Solvent extraction using PAL RTC and analysis by GC-FID Chromatography	Based on USEPA Method 8015B using SOP 572
Aliphatics (C8-C10)	11 to 2000 mg/Kg	Solid (CDW - Construction and Demolition Waste)	Solvent extraction using PAL RTC and analysis by GC-FID Chromatography	Based on USEPA Method 8015B using SOP 572
Aromatics (>C10-C12)	11 to 2000 mg/Kg	Solid (CDW - Construction and Demolition Waste)	Solvent extraction using PAL RTC and analysis by GC-FID Chromatography	Based on USEPA Method 8015B using SOP 572
	7 to 2000 mg/Kg	Soil	Solvent extraction using PAL RTC and analysis by GC-FID Chromatography	Based on USEPA Method 8015B using SOP 572
Aromatics (>C12-C16)	11 to 2000 mg/Kg	Solid (CDW - Construction and Demolition Waste)	Solvent extraction using PAL RTC and analysis by GC-FID Chromatography	Based on USEPA Method 8015B using SOP 572
	7 to 2000 mg/Kg	Soil	Solvent extraction using PAL RTC and analysis by GC-FID Chromatography	Based on USEPA Method 8015B using SOP 572

		Aromatics (>C16-C21)	11 to 2000 mg/Kg	Solid (CDW - Construction and Demolition Waste)	Solvent extraction using PAL RTC and analysis by GC-FID Chromatography	Based on USEPA Method 8015B using SOP 572
			7 to 2000 mg/Kg	Soil	Solvent extraction using PAL RTC and analysis by GC-FID Chromatography	Based on USEPA Method 8015B using SOP 572
		Aromatics (>C21-C35)	11 to 2000 mg/Kg	Solid (CDW - Construction and Demolition Waste)	Solvent extraction using PAL RTC and analysis by GC-FID Chromatography	Based on USEPA Method 8015B using SOP 572
			7 to 2000 mg/Kg	Soil	Solvent extraction using PAL RTC and analysis by GC-FID Chromatography	Based on USEPA Method 8015B using SOP 572
		Aromatics (>C35-C40)	11 to 2000 mg/Kg	Solid (CDW- Construction and Demolition Waste)	Solvent extraction using PAL RTC and analysis by GC-FID Chromatography	Based on USEPA Method 8015B using SOP 572
		Aromatics (C8-C10)	11 to 2000 mg/Kg	Solid (CDW - Construction and Demolition Waste)	Solvent extraction using PAL RTC and analysis by GC-FID Chromatography	Based on USEPA Method 8015B using SOP 572
			7 to 2000 mg/Kg	Soil	Solvent extraction using PAL RTC and analysis by GC-FID Chromatography	Based on USEPA Method 8015B using SOP 572
		Total (C8 - C40)	7 to 2000 mg/Kg	Soil	Solvent extraction using PAL RTC and analysis by GC-FID Chromatography	Based on USEPA Method 8015B using SOP 572
		Total (C8-C40)	11 to 2000 mg/Kg	Solid (CDW - Construction and Demolition Waste)	Solvent extraction using PAL RTC and analysis by GC-FID Chromatography	Based on USEPA Method 8015B using SOP 572
		Total Aliphatics (C8 - C40)	7 to 2000 mg/Kg	Soil	Solvent extraction using PAL RTC and analysis by GC-FID Chromatography	Based on USEPA Method 8015B using SOP 572

		Total Aliphatics (C8-C40)	11 to 2000 mg/Kg	Solid (CDW - Construction and Demolition Waste)	Solvent extraction using PAL RTC and analysis by GC-FID Chromatography	Based on USEPA Method 8015B using SOP 572
		Total Aromatic (C8 - C40)	7 to 2000 mg/Kg	Soil	Solvent extraction using PAL RTC and analysis by GC-FID Chromatography	Based on USEPA Method 8015B using SOP 572
		Total Aromatics (C8-C40)	11 to 2000 mg/Kg	Solid (CDW - Construction and Demolition Waste)	Solvent extraction using PAL RTC and analysis by GC-FID Chromatography	Based on USEPA Method 8015B using SOP 572
	Determination of Volatile Organic Compounds	1,1,2,2-Tetrachloroethane	1 to 200 ug/L (extended by dilution)	Ground Water	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154
		1,2-Dibromo-3-chloropropane	1 to 200 ug/L (extended by dilution)	Ground Water	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154
		Chloromethane	1 to 200 ug/L (extended by dilution)	Ground Water	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154

			1 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154
		Dichlorodifluoromethane	1 to 200 ug/L (extended by dilution)	Ground Water	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154
		Dichloromethane	1 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154
			2 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
			5 to 200 ug/L (extended by dilution)	Ground Water	Headspace GCMS	EPA Method 8260B using SOP 154
		Trichloroethene	1 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
		Trichlorofluoromethane	1 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
		Vinyl Chloride	0.1 to 50 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154

			0.118 to 50 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
766 Environmental testing (inc waters) - .05 Inorganic	Determination of Dry Matter	Dry Matter	0.06 % to 100 %	Sludge	Drying Oven, Balance	Based on Soil Sampling and Methods of Analysis, 1993 using SOP 302
			1.7 % to 100 %	Soil	Drying Oven, Balance	Based on Soil Sampling and Methods of Analysis, 1993 using SOP 302
			3.4 % to 100 %	Solids (CDW, BDW, RA) CDW - Construction & Demolition Waste, BDW - Biodegradable Waste, RA - Recycled Aggregates	Drying Oven, Balance	Based on Soil Sampling and Methods of Analysis, 1993 using SOP 302
	Determination of Haloacetic Acid	BromoDiChloroAcetic Acid (b)	0.2 to 80 ug/L	Ground Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Based on EPA Method 557 Quantification of Haloacetic acids, Bromate, and Dalapon in Drinking Water Using Ion Chromatography and Tandem Mass Spectrometry Level Utilizing Online Sample Preparation with LC-MS/MS using SOP 580
	Determination of Moisture	Moisture Content	1.7 % to 100 %	Soil	Drying Oven, Balance	Based on Soil Sampling and Methods of Analysis, 1993 using SOP 302
			3.4 % to 100 %	Solids (CDW, BDW, RA) CDW - Construction &	Drying Oven, Balance	Based on Soil Sampling and

				Demolition Waste, BDW - Biodegradable Waste, RA - Recycled Aggregates		Methods of Analysis, 1993 using SOP 302
		Moisture Content by Calculation	0.06 % to 100 %	Sludge	N/A	Based on Soil Sampling and Methods of Analysis, 1993 using SOP 302
	Determination of Total Dissolved Solids	Total Dissolved Solids	54 to 15000 mg/Kg	Leachate	Drying Oven, Balance	Based on Standard Method for the Examination of Water and Wastewater 2017, 23rd Edition, Method 2540 C and Guideline on Laboratory Analysis of Potentially Contaminated Soils using SOP 105
767 Physical test/measurement - .01 pH	Determination of pH	pH	4.00 - 12.00 pH units	Leachate	pH meter, electrode	Based on Standard Method for the Examination of Water and Wastewater 2017, 23rd Edition, Method 4500 - H+ B and Guideline of Laboratory Analysis of Potentially Contaminated Soils using SOP 110
			4.00 - 12.00 pH units	Sludge	pH meter, electrode	Based on Standard Method for the Examination of Water and Wastewater 2017, 23rd Edition, Method 4500 - H+ B and Guideline of Laboratory Analysis of Potentially

						Contaminated Soils using SOP 110
			4.00 - 12.00 pH units	Solids (CDW, BDW, RA) CDW - Construction & Demolition Waste, BDW - Biodegradable Waste, RA - Recycled Aggregates	pH meter, electrode	Based on Standard Method for the Examination of Water and Wastewater 2017, 23rd Edition, Method 4500 - H+ B and Guideline of Laboratory Analysis of Potentially Contaminated Soils using SOP 110

Chemical Testing

Category: A

Chemistry Field - Tests	Test name	Analyte	Range of measurement	Matrix	Equipment/technique	Standard reference/SOP
752 Chemical residue testing - .04 Pesticide residues	Determination of Pesticides	Aldrin	0.002 to 0.125 ug/L	Groundwater	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575
			0.002 to 0.125 ug/L	Surface Water	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575
			0.006 to 0.125 ug/L	Potable Water	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575
		Chloropropham	0.001 to 0.125 ug/L	Groundwater	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575
			0.001 to 0.125 ug/L	Surface Water	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575
			0.0043 to 0.125 ug/L	Potable Water	Solvent extraction on triple quad GCMSMS -	EPA Method 8081 along with In house

					GCMS with triple quad mass spectrometric detection with TSQ9000	development with Manufacturer Applications Engineer using SOP 575
		Chlorothalonil	0.001 to 0.125 ug/L	Surface Water	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575
			0.002 to 0.125 ug/L	Groundwater	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575
			0.007 to 0.125 ug/L	Potable Water	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575
		Cypermethrin	0.001 to 0.125 ug/L	Surface Water	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575
			0.007 to 0.125 ug/L	Potable Water	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575
			0.010 to 0.125 ug/L	Groundwater	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575

		Dichlobenil	0.001 to 0.125 ug/L	Groundwater	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575
			0.001 to 0.125 ug/L	Surface Water	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575
			0.002 to 0.125 ug/L	Potable Water	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575
		Dieldrin	0.006 to 0.125 ug/L	Groundwater	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575
			0.006 to 0.125 ug/L	Potable Water	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575
			0.010 to 0.125 ug/L	Surface Water	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575
		Endosulfan I (Alpha)	0.003 to 0.125 ug/L	Groundwater	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric	EPA Method 8081 along with In house development with Manufacturer

				detection with TSQ9000	Applications Engineer using SOP 575
	0.009 to 0.125 ug/L	Surface Water	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575	
	0.029 to 0.125 ug/L	Potable Water	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575	
Endosulfan II (Beta)	0.004 to 0.125 ug/L	Surface Water	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575	
	0.005 to 0.125 ug/L	Groundwater	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575	
	0.008 to 0.125 ug/L	Potable Water	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575	
Endosulfan sulphate	0.002 to 0.125 ug/L	Groundwater	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575	
	0.002 to 0.125 ug/L	Surface Water	Solvent extraction on triple quad GCMSMS - GCMS with triple quad	EPA Method 8081 along with In house development with	

					mass spectrometric detection with TSQ9000	Manufacturer Applications Engineer using SOP 575
			0.007 to 0.125 ug/L	Potable Water	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575
		Endrin	0.002 to 0.125 ug/L	Groundwater	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575
			0.004 to 0.125 ug/L	Surface Water	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575
			0.011 to 0.125 ug/L	Potable Water	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575
		Endrin Aldehyde	0.002 to 0.125 ug/L	Groundwater	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575
			0.004 to 0.125 ug/L	Surface Water	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575
			0.007 to 0.125 ug/L	Potable Water	Solvent extraction on triple quad GCMSMS -	EPA Method 8081 along with In house

					GCMS with triple quad mass spectrometric detection with TSQ9000	development with Manufacturer Applications Engineer using SOP 575
		HCH-alpha	0.0003 to 0.125 ug/L	Surface Water	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575
			0.001 to 0.125 ug/L	Groundwater	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575
			0.003 to 0.125 ug/L	Potable Water	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575
		HCH-beta	0.001 to 0.125 ug/L	Groundwater	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575
			0.0011 to 0.125 ug/L	Surface Water	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575
			0.004 to 0.125 ug/L	Potable Water	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575

		HCH-delta	0.001 to 0.125 ug/L	Groundwater	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575
			0.002 to 0.125 ug/L	Surface Water	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575
			0.005 to 0.125 ug/L	Potable Water	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575
		HCH-gamma (Lindane)	0.001 to 0.125 ug/L	Groundwater	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575
			0.003 to 0.125 ug/L	Potable Water	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575
			0.005 to 0.125 ug/L	Surface Water	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575
		Heptachlor	0.002 to 0.125 ug/L	Surface Water	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric	EPA Method 8081 along with In house development with Manufacturer

				detection with TSQ9000	Applications Engineer using SOP 575
	0.005 to 0.125 ug/L	Potable Water	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575	
	0.010 to 0.125 ug/L	Groundwater	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575	
Heptachlor epoxide	0.002 to 0.125 ug/L	Surface Water	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575	
	0.003 to 0.125 ug/L	Potable Water	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575	
	0.004 to 0.125 ug/L	Groundwater	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575	
Hexachlorobenzene	0.004 to 0.125 ug/L	Groundwater	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575	
	0.007 to 0.125 ug/L	Potable Water	Solvent extraction on triple quad GCMSMS - GCMS with triple quad	EPA Method 8081 along with In house development with	

					mass spectrometric detection with TSQ9000	Manufacturer Applications Engineer using SOP 575
			0.010 to 0.125 ug/L	Surface Water	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575
		Metaldehyde	0.015 to 0.125 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L Level Utilizing Online Sample Preparation with LC-MS along with in house development with Thermo Applications Engineer using SOP 557
			0.015 to 0.125 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L Level Utilizing Online Sample Preparation with LC-MS along with in house development with Thermo Applications Engineer using SOP 557
			0.015 to 0.125 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L Level Utilizing Online Sample Preparation with LC-MS along with in house development

						with Thermo Applications Engineer using SOP 557
		o,p DDT	0.001 to 0.125 ug/L	Groundwater	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575
			0.001 to 0.125 ug/L	Surface Water	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575
			0.003 to 0.125 ug/L	Potable Water	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575
		trans Permethrin	0.001 to 0.125 ug/L	Surface Water	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575
			0.002 to 0.125 ug/L	Groundwater	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575
			0.004 to 0.125 ug/L	Potable Water	Solvent extraction on triple quad GCMSMS - GCMS with triple quad mass spectrometric detection with TSQ9000	EPA Method 8081 along with In house development with Manufacturer Applications Engineer using SOP 575

	Determination of Pesticides Negative LC Suite	Bentazone	0.001 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 543
			0.002 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 543
			0.007 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 543
		Bromoxynil	0.002 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-

						MS/MS along with in house development with Manufacturer Applications Engineer using SOP 543
			0.002 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 543
			0.007 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 543
		Clopyralid	0.002 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 543

			0.002 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 543
			0.007 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 543
		Dicamba	0.003 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 543
			0.003 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-

						MS/MS along with in house development with Manufacturer Applications Engineer using SOP 543
			0.003 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 543
		Dichlorprop-P	0.0036 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 543
			0.005 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 543

			0.005 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 543
		Fenoprop	0.001 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 543
			0.0011 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 543
			0.003 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-

						MS/MS along with in house development with Manufacturer Applications Engineer using SOP 543
		Fluroxypyr	0.001 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 543
			0.002 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 543
			0.010 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 543

		MCPA	0.0009 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 543
			0.0023 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 543
			0.0030 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 543
		MCPB	0.002 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-

						MS/MS along with in house development with Manufacturer Applications Engineer using SOP 543
			0.003 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 543
			0.010 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 543
		Mecoprop	0.0012 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 543

			0.0024 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 543
			0.0037 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 543
		PentaChloroPhenol	0.001 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 543
			0.002 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-

						MS/MS along with in house development with Manufacturer Applications Engineer using SOP 543
			0.007 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 543
		Picloram	0.002 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 543
			0.002 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 543

			0.007 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 543
		Triclopyr	0.0013 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 543
			0.0013 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 543
			0.0040 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-

						MS/MS along with in house development with Manufacturer Applications Engineer using SOP 543
		2,3,6 Trichlorobenzoic acid	0.005 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 543
			0.005 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 543
			0.017 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 543

		2,4,5-T	0.0007 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 543
			0.0013 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 543
			0.003 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 543
		2,4-D	0.0006 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-

						MS/MS along with in house development with Manufacturer Applications Engineer using SOP 543
			0.0008 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 543
			0.0040 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 543
		Benazolin	0.005 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 543

			0.005 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 543
			0.016 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 543
	Determination of Pesticides Positive LC Suite	Asulam H	0.0018 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.0026 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-

						MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.007 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
		Atrazine	0.0005 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.001 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540

			0.003 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
		Boscalid	0.0008 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.002 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.003 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-

						MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
		Bromacil	0.001 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.002 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.007 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540

		Carbaryl	0.001 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.002 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.003 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
		Carbetamide	0.001 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-

						MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.002 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.003 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
		Chlorfenvinphos-B	0.001 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540

			0.001 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.007 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
		Chlortoluron	0.001 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.001 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-

						MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.007 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
		Cyproconazole	0.001 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.001 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540

			0.003 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
		Diazinon	0.005 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.006 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.020 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-

						MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
		Diflufenican	0.003 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.003 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.010 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540

		Dimethoate	0.001 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.002 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.007 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
		Diuron	0.0004 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-

						MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.0008 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.003 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
		Epoxiconazole	0.001 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540

			0.001 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.003 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
		Fenpropidin	0.001 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.001 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-

						MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.007 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
		Fenpropimorph	0.001 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.001 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540

			0.007 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
		Flutriafol	0.001 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.002 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.010 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-

						MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
		Isoproturon	0.0005 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.001 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.003 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540

		Kresoxim-methyl	0.001 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.002 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.007 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
		Linuron	0.0005 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-

						MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.002 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.003 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
		Malathion	0.001 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540

			0.002 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.007 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
		Metalaxyl	0.001 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.001 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-

						MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.007 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
		Metamitron	0.0007 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.002 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540

			0.005 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
		Metazachlor	0.001 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.007 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.014 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-

						MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
		Metoxuron	0.001 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.001 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.003 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540

		Mevinphos	0.002 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.002 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.003 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
		Monuron	0.001 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-

						MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.001 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.007 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
		Pendimethalin	0.002 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540

			0.003 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.007 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
		Propazine	0.0009 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.002 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-

						MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.003 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
		Propiconazole	0.001 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.002 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540

			0.003 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
		Propyzamide	0.001 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.001 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.007 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-

						MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
		Quinmerac	0.003 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.007 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.015 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540

		Simazine	0.001 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.001 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.003 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
		Sulfotep	0.001 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-

						MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.002 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.003 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			Tebuconazole	0.001 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540

			0.001 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.003 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
		Triadimefon	0.001 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.001 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-

						MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.003 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
		Triallate	0.003 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.005 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540

			0.013 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
		2,6-Dichlorobenzamide	0.001 to 0.25 ug/L	Groundwater	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.001 to 0.25 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
			0.003 to 0.25 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing online sample preparation with LC-

						MS/MS along with in house development with Manufacturer Applications Engineer using SOP 540
766 Environmental testing (inc waters) - .01 Metal analysis	Determination of Metals by ICP-MS	Aluminium	12 to 1000 ug/L (extended by dilution)	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			14 to 1000 ug/L (extended by dilution)	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			3 to 1000 ug/L (extended by dilution)	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			8 to 1000 ug/L (extended by dilution)	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			9 to 1000 ug/L (extended by dilution)	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
		Antimony	2 to 1000 ug/L (extended by dilution)	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			2 to 1000 ug/L (extended by dilution)	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177

			2.0 to 1000 ug/L (extended by dilution)	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			3 to 1000 ug/L (extended by dilution)	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			4 to 1000 ug/L (extended by dilution)	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
		Arsenic	1 to 1000 ug/L (extended by dilution)	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			1 to 1000 ug/L (extended by dilution)	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			1 to 1000 ug/L (extended by dilution)	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			1 to 1000 ug/L (extended by dilution)	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			2 to 1000 ug/L (extended by dilution)	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177

		Barium	1 to 1000 ug/L (extended by dilution)	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			2 to 1000 ug/L (extended by dilution)	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			2 to 1000 ug/L (extended by dilution)	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			3 to 1000 ug/L (extended by dilution)	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			4 to 1000 ug/L (extended by dilution)	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
		Beryllium	1 to 1000 ug/L (extended by dilution)	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			1 to 1000 ug/L (extended by dilution)	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			1 to 1000 ug/L (extended by dilution)	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177

			1 to 1000 ug/L (extended by dilution)	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			1 to 1000 ug/L (extended by dilution)	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
		Boron	0.020 to 100 mg/L (extended by dilution)	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			10 to 1000 ug/L (extended by dilution)	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			16 to 1000 ug/L (extended by dilution)	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			8 to 1000 ug/L (extended by dilution)	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			9 to 1000 ug/L (extended by dilution)	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
		Cadmium	1 to 1000 ug/L (extended by dilution)	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177

			1 to 1000 ug/L (extended by dilution)	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			1 to 1000 ug/L (extended by dilution)	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			1 to 1000 ug/L (extended by dilution)	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			1 to 1000 ug/L (extended by dilution)	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
		Calcium	0.4 to 100 mg/L (extended by dilution)	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3120 B using SOP 184
			0.6 to 100 mg/L (extended by dilution)	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3120 B using SOP 184
			0.6 to 100 mg/L (extended by dilution)	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3120 B using SOP 184
			0.9 to 100 mg/L (extended by dilution)	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3120 B using SOP 184

			1 to 100 mg/L (extended by dilution)	Potable Water	ICP-MS	SOP 184 Standard Method for the Examination of Water and Wastewater Method 3120 B Edition 23
		Cesium	1 to 1000 ug/L (extended by dilution)	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			1 to 1000 ug/L (extended by dilution)	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			1 to 1000 ug/L (extended by dilution)	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			1 to 1000 ug/L (extended by dilution)	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			2 to 1000 ug/L (extended by dilution)	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
		Chromium	1 to 1000 ug/L (extended by dilution)	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			1 to 1000 ug/L (extended by dilution)	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177

			1 to 1000 ug/L (extended by dilution)	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			2 to 1000 ug/L (extended by dilution)	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			4 to 1000 ug/L (extended by dilution)	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
		Cobalt	1 to 1000 ug/L (extended by dilution)	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			1 to 1000 ug/L (extended by dilution)	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			1 to 1000 ug/L (extended by dilution)	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			1 to 1000 ug/L (extended by dilution)	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			1 to 1000 ug/L (extended by dilution)	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177

		Copper	0.003 to 100 mg/L (extended by dilution)	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			1 to 1000 ug/L (extended by dilution)	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			2 to 1000 ug/L (extended by dilution)	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			3 to 1000 ug/L (extended by dilution)	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			6 to 1000 ug/L (extended by dilution)	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
		Gallium	1 to 1000 ug/L (extended by dilution)	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			1 to 1000 ug/L (extended by dilution)	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			1 to 1000 ug/L (extended by dilution)	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177

			1 to 1000 ug/L (extended by dilution)	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			1 to 1000 ug/L (extended by dilution)	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
		Iron	14 to 1000 ug/L (extended by dilution)	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			22 to 1000 ug/L (extended by dilution)	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			25 to 1000 ug/L (extended by dilution)	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			3 to 1000 ug/L (extended by dilution)	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			8 to 1000 ug/L (extended by dilution)	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
		Lead	1 to 1000 ug/L (extended by dilution)	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177

			1 to 1000 ug/L (extended by dilution)	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			1 to 1000 ug/L (extended by dilution)	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			1 to 1000 ug/L (extended by dilution)	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			1 to 1000 ug/L (extended by dilution)	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
		Lithium	1 to 1000 ug/L (extended by dilution)	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			2 to 1000 ug/L (extended by dilution)	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			2 to 1000 ug/L (extended by dilution)	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			4 to 1000 ug/L (extended by dilution)	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177

			4 to 1000 ug/L (extended by dilution)	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
		Magnesium	0.1 to 100 mg/L (extended by dilution)	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3120 B using SOP 184
			0.1 to 100 mg/L (extended by dilution)	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3120 B using SOP 184
			0.1 to 100 mg/L (extended by dilution)	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3120 B using SOP 184
			0.1 to 100 mg/L (extended by dilution)	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3120 B using SOP 184
			0.5 to 100 mg/L (extended by dilution)	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3120 B using SOP 184
		Manganese	1 to 1000 ug/L (extended by dilution)	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			1 to 1000 ug/L (extended by dilution)	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177

			18 to 1000 ug/L (extended by dilution)	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			3 to 1000 ug/L (extended by dilution)	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			3 to 1000 ug/L (extended by dilution)	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
		Mercury	0.08 to 5 ug/L (extended by dilution)	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 178
			0.10 to 5 ug/L (extended by dilution)	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 178
			0.22 to 5 ug/L (extended by dilution)	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 178
			0.24 to 5 ug/L (extended by dilution)	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 178
			0.28 to 5 ug/L (extended by dilution)	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 178

			0.24 to 5 ug/L (extended by dilution	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 178
		Nickel	1 to 1000 ug/L (extended by dilution)	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			1 to 1000 ug/L (extended by dilution)	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			2 to 1000 ug/L (extended by dilution)	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			2 to 1000 ug/L (extended by dilution)	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			2 to 1000 ug/L (extended by dilution)	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
		Potassium	0.1 to 100 mg/L (extended by dilution)	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3120 B using SOP 184
			0.1 to 100 mg/L (extended by dilution)	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3120 B using SOP 184

			0.1 to 100 mg/L (extended by dilution)	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3120 B using SOP 184
			0.1 to 100 mg/L (extended by dilution)	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3120 B using SOP 184
			1 to 100 mg/L (extended by dilution)	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3120 B using SOP 184
		Rubidium	1 to 1000 ug/L (extended by dilution)	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			1 to 1000 ug/L (extended by dilution)	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			1 to 1000 ug/L (extended by dilution)	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			24 to 1000 ug/L (extended by dilution)	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			7 to 1000 ug/L (extended by dilution)	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177

		Selenium	1 to 1000 ug/L (extended by dilution)	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			1 to 1000 ug/L (extended by dilution)	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			1 to 1000 ug/L (extended by dilution)	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			3 to 1000 ug/L (extended by dilution)	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			3 to 1000 ug/L (extended by dilution)	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
		Silver	0.27 to 1000 ug/L (extended by dilution)	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			0.35 to 1000 ug/L (extended by dilution)	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			0.42 to 1000 ug/L (extended by dilution)	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177

			0.60 to 1000 ug/L (extended by dilution)	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			1 to 1000 ug/L (extended by dilution)	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
		Sodium	0.1 to 100 mg/L (extended by dilution)	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3120 B using SOP 184
			0.2 to 100 mg/L (extended by dilution)	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3120 B using SOP 184
			1 to 100 mg/L (extended by dilution)	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3120 B using SOP 184
			1.1 to 100 mg/L (extended by dilution)	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3120 B using SOP 184
			4.9 to 100 mg/L (extended by dilution)	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3120 B using SOP 184
		Strontium	12 to 1000 ug/L (extended by dilution)	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177

			24 to 1000 ug/L (extended by dilution)	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			25 to 1000 ug/L (extended by dilution)	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			3 to 1000 ug/L (extended by dilution)	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			43 to 1000 ug/L (extended by dilution)	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
		Thallium	1 to 1000 ug/L (extended by dilution)	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			1 to 1000 ug/L (extended by dilution)	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			1 to 1000 ug/L (extended by dilution)	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			1 to 1000 ug/L (extended by dilution)	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177

			1 to 1000 ug/L (extended by dilution)	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
		Tin	1 to 1000 ug/L (extended by dilution)	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			1 to 1000 ug/L (extended by dilution)	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			1 to 1000 ug/L (extended by dilution)	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			1 to 1000 ug/L (extended by dilution)	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			3 to 1000 ug/L (extended by dilution)	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
		Uranium	1 to 1000 ug/L (extended by dilution)	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			1 to 1000 ug/L (extended by dilution)	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177

			1 to 1000 ug/L (extended by dilution)	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			1 to 1000 ug/L (extended by dilution)	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			1 to 1000 ug/L (extended by dilution)	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
		Vanadium	1 to 1000 ug/L (extended by dilution)	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			1 to 1000 ug/L (extended by dilution)	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			1 to 1000 ug/L (extended by dilution)	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			1 to 1000 ug/L (extended by dilution)	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			3 to 1000 ug/L (extended by dilution)	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177

		Zinc	2 to 1000 ug/L (extended by dilution)	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			2 to 1000 ug/L (extended by dilution)	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			20 to 1000 ug/L (extended by dilution)	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			5 to 1000 ug/L (extended by dilution)	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			9 to 1000 ug/L (extended by dilution)	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	Determination of Metals in Soil by ICP-OES	Arsenic	7.0 to 350 mg/Kg	Soil	ICP-OES	Standard Method for the examination of Water and Wastewater Method 3125B using SOP 224
		Barium	2.0 to 250 mg/Kg	Soil	ICP-OES	Standard Method for the examination of Water and Wastewater Method 3125B using SOP 224
		Beryllium	1 to 100 mg/Kg	Soil	ICP-OES	Standard Method for the examination of Water and Wastewater Method 3125B using SOP 224

Cadmium	1 to 250 mg/Kg	Soil	ICP-OES	Standard Method for the examination of Water and Wastewater Method 3125B using SOP 224
Chromium	3 to 350 mg/Kg	Soil	ICP-OES	Standard Method for the examination of Water and Wastewater Method 3125B using SOP 224
Cobalt	1 to 150 mg/Kg	Soil	ICP-OES	Standard Method for the examination of Water and Wastewater Method 3125B using SOP 224
Copper	4 to 250 mg/Kg	Soil	ICP-OES	Standard Method for the examination of Water and Wastewater Method 3125B using SOP 224
Lead	4 to 200 mg/Kg	Soil	ICP-OES	Standard Method for the examination of Water and Wastewater Method 3125B using SOP 224
Manganese	6 to 950 mg/Kg	Soil	ICP-OES	Standard Method for the examination of Water and Wastewater Method 3125B using SOP 224
Nickel	3 to 350 mg/Kg	Soil	ICP-OES	Standard Method for the examination of Water and Wastewater Method 3125B using SOP 224
Selenium	2 to 150 mg/Kg	Soil	ICP-OES	Standard Method for the examination of Water and Wastewater Method 3125B using SOP 224

		Silver	2 to 150 mg/Kg	Soil	ICP-OES	Standard Method for the examination of Water and Wastewater Method 3125B using SOP 224
		Strontium	1 to 150 mg/Kg	Soil	ICP-OES	Standard Method for the examination of Water and Wastewater Method 3125B using SOP 224
		THallium	2 to 150 mg/Kg	Soil	ICP-OES	Standard Method for the examination of Water and Wastewater Method 3125B using SOP 224
		Vanadium	2 to 150 mg/Kg	Soil	ICP-OES	Standard Method for the examination of Water and Wastewater Method 3125B using SOP 224
		Zinc	6 to 550 mg/Kg	Soil	ICP-OES	Standard Method for the examination of Water and Wastewater Method 3125B using SOP 224
766 Environmental testing (inc waters) - .04 Organic	Determination of 4-Nonylphenol	4-Nonylphenol	0.009 to 0.375 ug/L	Ground Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Based on EPA 559 (Determination of Nonylphenol in Drinking Water) and ISO 18857:2001 (Determination of Bisphenol A) using Liquid Chromatography and Tandem Mass Spectrometry utilising online sample preparation with LC-MS\MS using SOP 606

			0.010 to 0.375 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Based on EPA 559 (Determination of Nonylphenol in Drinking Water) and ISO 18857:2001 (Determination of Bisphenol A) using Liquid Chromatography and Tandem Mass Spectrometry utilising online sample preparation with LC-MS\MS using SOP 606
			0.04 to 0.375 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Based on EPA 559 (Determination of Nonylphenol in Drinking Water) and ISO 18857:2001 (Determination of Bisphenol A) using Liquid Chromatography and Tandem Mass Spectrometry utilising online sample preparation with LC-MS\MS using SOP 606
	Determination of Bisphenol A	Bisphenol A	0.01 to 3 ug/L	Ground Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Based on EPA 559 (Determination of Nonylphenol in Drinking Water) and ISO 18857:2001 (Determination of Bisphenol A) using Liquid Chromatography and Tandem Mass Spectrometry utilising online sample preparation with LC-

					MS\MS using SOP 606
		0.01 to 3 ug/L	Potable Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Based on EPA 559 (Determination of Nonylphenol in Drinking Water) and ISO 18857:2001 (Determination of Bisphenol A) using Liquid Chromatography and Tandem Mass Spectrometry utilising online sample preparation with LC-MS\MS using SOP 606
		0.01 to 3 ug/L	Surface Water	LCMSMS - HPLC Mass Spec. with Mass spectrometric detection (MSD) in multiple reaction mode (MRM)	Based on EPA 559 (Determination of Nonylphenol in Drinking Water) and ISO 18857:2001 (Determination of Bisphenol A) using Liquid Chromatography and Tandem Mass Spectrometry utilising online sample preparation with LC-MS\MS using SOP 606
Determination of Organic Matter	Loss on ignition	0.47 to 100%	Soil	Muffle furnace, drying oven, balance	USEPA method 160.4/SI No 101 of 2009 using SOP 333
Determination of Polyaromatic Hydrocarbons	Benzo[a]anthracene	0.010 to 0.125 ug/L	Potable Water	GCMSMS with TSQ9000	Based on USEPA Method 610 (Polynuclear Aromatic Hydrocarbons) using SOP 575
	Indeno[1,2,3-cd] pyrene*	0.003 to 0.125 ug/L	Potable Water	GCMSMS with TSQ9000	Based on USEPA Method 610

				(Polynuclear Aromatic Hydrocarbons) using SOP 575
Acenaphthene	0.0025 to 0.125 ug/L	Potable Water	GCMSMS with TSQ9000	Based on USEPA Method 610 (Polynuclear Aromatic Hydrocarbons) using SOP 575
Acenaphthylene	0.002 to 0.125 ug/L	Potable Water	GCMSMS with TSQ9000	Based on USEPA Method 610 (Polynuclear Aromatic Hydrocarbons) using SOP 575
Benzo[a]pyrene	0.003 to 0.030 ug/L	Potable Water	GCMSMS with TSQ9000	Based on USEPA Method 610 (Polynuclear Aromatic Hydrocarbons) using SOP 575
Benzo[b]fluoranthene*	0.004 to 0.125 ug/L	Potable Water	GCMSMS with TSQ9000	Based on USEPA Method 610 (Polynuclear Aromatic Hydrocarbons) using SOP 575
Benzo[ghi]perylene*	0.004 to 0.125 ug/L	Potable Water	GCMSMS with TSQ9000	Based on USEPA Method 610 (Polynuclear Aromatic Hydrocarbons) using SOP 575
Benzo[k]fluoranthene*	0.004 to 0.125 ug/L	Potable Water	GCMSMS with TSQ9000	Based on USEPA Method 610 (Polynuclear Aromatic Hydrocarbons) using SOP 575
Chrysene	0.0134 to 0.125 ug/L	Potable Water	GCMSMS with TSQ9000	Based on USEPA Method 610 (Polynuclear Aromatic Hydrocarbons) using SOP 575
Fluorene	0.005 to 0.125 ug/L	Potable Water	GCMSMS with TSQ9000	Based on USEPA Method 610

						(Polynuclear Aromatic Hydrocarbons) using SOP 575
		Pyrene	0.004 to 0.125 ug/L	Potable Water	GCMSMS with TSQ9000	Based on USEPA Method 610 (Polynuclear Aromatic Hydrocarbons) using SOP 575
		Total PAH (total of those marked *)	(as calculated) to 0.5 ug/L	Potable Water	GCMSMS with TSQ9000	Based on USEPA Method 610 (Polynuclear Aromatic Hydrocarbons) using SOP 575
	Determination of Total Organic Carbon (TOC)	Organic Carbon	0 to 50,000 mg/L	Potable Waters, Surface Waters, Groundwaters, Trade Effluents, Sewage Effluents	Total Organic Carbon Analyser	Based on BS EN 13137:2001 using SOP 316
			0.3 to 50 mg/L (extended by dilution)	Groundwater	TOC-V analyser	British Standard EN 13137:2001 using SOP 316
			0.3 to 50 mg/L (extended by dilution)	Groundwater	Total Organic Carbon Analyser	Based on BS EN 13137:2001 using SOP 316
			0.4 to 50 mg/L (extended by dilution)	Industrial Effluent	TOC-V analyser	British Standard EN 13137:2001 using SOP 316
			0.5 to 50 mg/L (extended by dilution)	Industrial Effluent	Total Organic Carbon Analyser	Based on BS EN 13137:2001 using SOP 316
			0.6 to 50 mg/L (extended by dilution)	Surface Water	TOC-V analyser	British Standard EN 13137:2001 using SOP 316
			0.6 to 50 mg/L (extended by dilution)	Surface Water	Total Organic Carbon Analyser	Based on BS EN 13137:2001 using SOP 316
			0.7 to 50 mg/L (extended by dilution)	Potable Water	TOC-V analyser	British Standard EN 13137:2001 using SOP 316

			0.86 to 50 mg/L (extended by dilution)	Potable Water	Total Organic Carbon Analyser	Based on BS EN 13137:2001 using SOP 316
			1.3 to 50 mg/L (extended by dilution)	Sewage Effluent	Total Organic Carbon Analyser	Based on BS EN 13137:2001 using SOP 316
			1.4 to 50 mg/L (extended by dilution)	Sewage Effluent	TOC-V analyser	British Standard EN 13137:2001 using SOP 316
	Determination of TPH's	Aromatics (>C35-C40)	7 to 2000 mg/Kg	Soil	Solvent extraction using PAL RTC and analysis by GC-FID Chromatography	Based on USEPA Method 8015B using SOP 572
	Determination of Volatile Organic Compounds	1,1,1,2-Tetrachloroethane	0.5 to 200 ug/L (extended by dilution)	Groundwater	Headspace GCMS	EPA Method 8260B using SOP 154
			0.6 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154
		1,1,1-Trichloroethane	1 to 200 ug/L (extended by dilution)	Groundwater	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154
		1,1,2-Trichloroethane	1 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
			2 to 200 ug/L (extended by dilution)	Groundwater	Headspace GCMS	EPA Method 8260B using SOP 154
			2 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
			2 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154

		1,1-Dichloroethane	1 to 200 ug/L (extended by dilution)	Groundwater	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154
		1,1-Dichloroethene	1 to 200 ug/L (extended by dilution)	Groundwater	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154
		1,1-Dichloropropene	1 to 200 ug/L (extended by dilution)	Groundwater	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154
		1,2,3-Trichlorobenzene	1 to 200 ug/L (extended by dilution)	Groundwater	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154
		1,2,3-Trichloropropane	0.9 to 200 ug/L (extended by dilution)	Groundwater	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154

			2 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
			2 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
		1,2,4-Trichlorobenzene	0.6 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Groundwater	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
		1,2,4-Trimethylbenzene	1 to 200 ug/L (extended by dilution)	Groundwater	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154
		1,2-Dibromoethane	1 to 200 ug/L (extended by dilution)	Groundwater	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154
			2 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
		1,2-Dichlorobenzene	1 to 200 ug/L (extended by dilution)	Groundwater	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154

		1,2-Dichloroethane	0.9 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Groundwater	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154
		1,2-Dichloropropane	1 to 200 ug/L (extended by dilution)	Groundwater	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154
		1,3,5-Trimethylbenzene	1 to 200 ug/L (extended by dilution)	Groundwater	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154
		1,3-Dichlorobenzene	1 to 200 ug/L (extended by dilution)	Groundwater	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154
		1,3-Dichloropropane	1 to 200 ug/L (extended by dilution)	Groundwater	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154

			1 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154
		1,4-Dichlorobenzene	1 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154
			2 to 200 ug/L (extended by dilution)	Groundwater	Headspace GCMS	EPA Method 8260B using SOP 154
			2 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
		2-Chlorotoluene	1 to 200 ug/L (extended by dilution)	Groundwater	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154
		4-Chlorotoluene	1 to 200 ug/L (extended by dilution)	Groundwater	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154
		Benzene	0.3 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Groundwater	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154

		Bromobenzene	1 to 200 ug/L (extended by dilution)	Groundwater	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154
		Bromochloromethane	1 to 200 ug/L (extended by dilution)	Groundwater	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154
			2 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
		Bromodichloromethane	1 to 200 ug/L (extended by dilution)	Groundwater	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154
			1.2 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
		Bromoform	1 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154
			2 to 200 ug/L (extended by dilution)	Groundwater	Headspace GCMS	EPA Method 8260B using SOP 154
			2.6 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
		Carbon tetrachloride	1 to 200 ug/L (extended by dilution)	Groundwater	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154

			1 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154
		Chlorobenzene	1 to 200 ug/L (extended by dilution)	Groundwater	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154
		Chloroform	1 to 200 ug/L (extended by dilution)	Groundwater	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154
			5.5 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
		cis-1,2-Dichloroethene	1 to 200 ug/L (extended by dilution)	Groundwater	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154
		cis-1,3-Dichloropropene	1 to 200 ug/L (extended by dilution)	Groundwater	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154

Dibromochloromethane	1 to 200 ug/L (extended by dilution)	Groundwater	Headspace GCMS	EPA Method 8260B using SOP 154
	1 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
	1 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154
	1.4 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
Dibromomethane	1 to 200 ug/L (extended by dilution)	Groundwater	Headspace GCMS	EPA Method 8260B using SOP 154
	1 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
	1 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
	1 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154
Ethylbenzene	1 to 200 ug/L (extended by dilution)	Groundwater	Headspace GCMS	EPA Method 8260B using SOP 154
	1 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
	1 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
	1 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154
Hexachlorobutadiene	0.41 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
	1 to 200 ug/L (extended by dilution)	Groundwater	Headspace GCMS	EPA Method 8260B using SOP 154
	1 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
	1 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154
Isopropylbenzene	1 to 200 ug/L (extended by dilution)	Groundwater	Headspace GCMS	EPA Method 8260B using SOP 154
	1 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154

			1 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154
		m & p-Xylene	1 to 200 ug/L (extended by dilution)	Groundwater	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154
			2 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
		Naphthalene	1 to 200 ug/L (extended by dilution)	Groundwater	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154
		n-Butylbenzene	1 to 200 ug/L (extended by dilution)	Groundwater	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154
		n-Propylbenzene	1 to 200 ug/L (extended by dilution)	Groundwater	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
			1.0 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154

		o-Xylene	1 to 200 ug/L (extended by dilution)	Groundwater	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154
		p-Isopropyltoluene	1 to 200 ug/L (extended by dilution)	Groundwater	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154
		sec-Butylbenzene	1 to 200 ug/L (extended by dilution)	Groundwater	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154
		Styrene	1 to 200 ug/L (extended by dilution)	Groundwater	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154
		tert-Butylbenzene	1 to 200 ug/L (extended by dilution)	Groundwater	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154

			1 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154
		Tetrachloroethene	1 to 200 ug/L (extended by dilution)	Groundwater	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154
			2.32 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
		Tetrachloroethene & Trichloroethene (Potable)	2.32 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
		Toluene	1 to 200 ug/L (extended by dilution)	Groundwater	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154
		Total THM	1 to 800 ug/L (extended by dilution)	Groundwater	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 800 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 800 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154
			1.2 to 800 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
		trans-1,2-Dichloroethene	1 to 200 ug/L (extended by dilution)	Groundwater	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
			1 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154

			1 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154
		trans-1,3-Dichloropropene	1 to 200 ug/L (extended by dilution)	Surface Water	Headspace GCMS	EPA Method 8260B using SOP 154
			2 to 200 ug/L (extended by dilution)	Groundwater	Headspace GCMS	EPA Method 8260B using SOP 154
			2 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
			2 to 200 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
766 Environmental testing (inc waters) - .05 Inorganic	Determination of Alkalinity	Alkalinity	2 to 300 mg/L (extended by dilution)	Surface Water	Discrete Analyser	Aquakem / Labmedics procedure. ID number ALKBpB 003 using SOP 102
			4 to 300 mg/L (extended by dilution)	Groundwater	Discrete Analyser	Aquakem / Labmedics procedure. ID number ALKBpB 003 using SOP 102
			4 to 300 mg/L (extended by dilution)	Potable Water	Discrete Analyser	Aquakem / Labmedics procedure. ID number ALKBpB 003 using SOP 102
			6 to 300 mg/L (extended by dilution)	Industrial Effluent	Discrete Analyser	Aquakem / Labmedics procedure. ID number ALKBpB 003 using SOP 102
			6 to 300 mg/L (extended by dilution)	Sewage Effluent	Discrete Analyser	Aquakem / Labmedics procedure. ID number ALKBpB 003 using SOP 102
	Determination of Ammonia	Ammonia-N, Ammonia (by calculation), Ammonium (by calculation)	0.01 to 20 mg/L (extended by dilution)	Surface Water	Discrete Analyser	Standard Method for the Examination of Water and Wastewater F, Aquachem method AMMDIC and SSA Book Series: 5, Methods of Soil Analysis – Extraction of Exchangeable Ammonium and Nitrate

						and Nitrite 1996 using SOP 114
			0.02 to 20 mg/L (extended by dilution)	Groundwater	Discrete Analyser	Standard Method for the Examination of Water and Wastewater F, Aquachem method AMMDIC and SSA Book Series: 5, Methods of Soil Analysis – Extraction of Exchangeable Ammonium and Nitrate and Nitrite 1996 using SOP 114
			0.02 to 20 mg/L (extended by dilution)	Industrial Effluent	Discrete Analyser	Standard Method for the Examination of Water and Wastewater F, Aquachem method AMMDIC and SSA Book Series: 5, Methods of Soil Analysis – Extraction of Exchangeable Ammonium and Nitrate and Nitrite 1996 using SOP 114
			0.04 to 20 mg/L (extended by dilution)	Potable Water	Discrete Analyser	Standard Method for the Examination of Water and Wastewater F, Aquachem method AMMDIC and SSA Book Series: 5, Methods of Soil Analysis – Extraction of Exchangeable Ammonium and Nitrate and Nitrite 1996 using SOP 114
			0.05 to 20 mg/L (extended by dilution)	Sewage Effluent	Discrete Analyser	Standard Method for the Examination of Water and Wastewater F, Aquachem method

						AMMDIC and SSA Book Series: 5, Methods of Soil Analysis – Extraction of Exchangeable Ammonium and Nitrate and Nitrite 1996 using SOP 114
	Determination of Available Lime in Soil	Available Lime	0 to 28.75 tonne/ha	Peat	Balance, pH meter, electrode	Based on the method of Shoemaker, McLean and Pratt (SMP), 1960 using SOP 304
			0 to 32.50 tonne/ha	Mineral Soils	Balance, pH meter, electrode	Based on the method of Shoemaker, McLean and Pratt (SMP), 1960 using SOP 304
	Determination of Available Phosphorous in Soil	Available Phosphorous	0.1 to 20 mg/L	Soil	Discrete Analyser	Standard Soil Analysis using Morgans P and colorimetry and using SOP 301
	Determination of Biochemical Oxygen Demand	Biochemical Oxygen	2 to 10000 mg/L	Groundwater	DO meter and electrode, water bath, incubator or by Automated Analyser	Standard Method for the Examination of Water and Wastewater Method 5210 B and USEPA method/EPA NE using SOP 113
			2 to 10000 mg/L	Industrial Effluent	DO meter and electrode, water bath, incubator or by Automated Analyser	Standard Method for the Examination of Water and Wastewater Method 5210 B and USEPA method/EPA NE using SOP 113
			2 to 10000 mg/L	Potable Water	DO meter and electrode, water bath, incubator or by Automated Analyser	Standard Method for the Examination of Water and Wastewater Method 5210 B and USEPA method/EPA NE using SOP 113

			2 to 10000 mg/L	Sewage Effluent	DO meter and electrode, water bath, incubator or by Automated Analyser	Standard Method for the Examination of Water and Wastewater Method 5210 B and USEPA method/EPA NE using SOP 113
			2 to 10000 mg/L	Surface Water	DO meter and electrode, water bath, incubator or by Automated Analyser	Standard Method for the Examination of Water and Wastewater Method 5210 B and USEPA method/EPA NE using SOP 113
	Determination of Bromate	Bromate	0.5 to 100 ug/L	Groundwater	IC and Autosampler	EPA Method 300.1 using SOP 125
			0.5 to 100 ug/L	Surface Water	IC and Autosampler	EPA Method 300.1 using SOP 125
			2.4 to 100 ug/L	Potable Water	IC and Autosampler	EPA Method 300.1 using SOP 125
	Determination of Chlorate to meet DIRECTIVE (EU) 2020/2184	Chlorate	0.007 to 0.500 mg/L	Surface Water	Ion Chromatography (IC)	Based on Metrohm Application work AW IC UK6-0477-082021 using SOP 593
			0.02 to 0.50 mg/L	Potable Water	Ion Chromatography (IC)	Based on Metrohm Application work AW IC UK6-0477-082021 using SOP 593
			0.061 to 0.500 mg/L	Groundwater	Ion Chromatography (IC)	Based on Metrohm Application work AW IC UK6-0477-082021 using SOP 593
	Determination of Chloride	Chloride	0.7 to 300 mg/L (extended by dilution)	Surface Water	Discrete Analyser	Standard Method for the Examination of Water and Wastewater Method 4500-Cl- E using SOP 100
			1 to 300 mg/L (extended by dilution)	Groundwater	Discrete Analyser	Standard Method for the Examination of Water and Wastewater Method 4500-Cl- E using SOP 100

			1.8 to 300 mg/L (extended by dilution)	Potable Water	Discrete Analyser	Standard Method for the Examination of Water and Wastewater Method 4500-Cl- E using SOP 100
			2 to 300 mg/L (extended by dilution)	Sewage Effluent	Discrete Analyser	Standard Method for the Examination of Water and Wastewater Method 4500-Cl- E using SOP 100
			3 to 300 mg/L (extended by dilution)	Industrial Effluent	Discrete Analyser	Standard Method for the Examination of Water and Wastewater Method 4500-Cl- E using SOP 100
	Determination of Chlorite to meet DIRECTIVE (EU) 2020/2184	Chlorite	0.001 to 0.500 mg/L	Groundwater	Ion Chromatography (IC)	Based on Metrohm Application work AW IC UK6-0477-082021 using SOP 593
			0.001 to 0.500 mg/L	Surface Water	Ion Chromatography (IC)	Based on Metrohm Application work AW IC UK6-0477-082021 using SOP 593
			0.026 to 0.500 mg/L	Potable Water	Ion Chromatography (IC)	Based on Metrohm Application work AW IC UK6-0477-082021 using SOP 593
	Determination of Colour	Colour (Apparent)	10 to 200 PtCo (Hazen Units)	Sewage Effluent	Discrete Analyser	Standard Method for the Examination of Water and Wastewater Method 2120 B using SOP 108
			11 to 200 PtCo (Hazen Units)	Potable Water	Discrete Analyser	Standard Method for the Examination of Water and Wastewater Method 2120 B using SOP 108
			4 to 200 PtCo (Hazen Units)	Industrial Effluent	Discrete Analyser	Standard Method for the Examination of Water and Wastewater

						Method 2120 B using SOP 108
			5 to 200 PtCo (Hazen Units)	Surface Water	Discrete Analyser	Standard Method for the Examination of Water and Wastewater Method 2120 B using SOP 108
			6 to 200 PtCo (Hazen Units)	Groundwater	Discrete Analyser	Standard Method for the Examination of Water and Wastewater Method 2120 B using SOP 108
		Colour (True)	1.6 to 200 PtCo (Hazen Units)	Surface Water	Discrete Analyser	Standard Method for the Examination of Water and Wastewater Method 2120 B using SOP 108
			8 to 200 PtCo (Hazen Units)	Potable Water	Discrete Analyser	Standard Method for the Examination of Water and Wastewater Method 2120 B using SOP 108
			Potable Water 8 to 200 PtCo (Hazen units) Surface Water 1.6 to 200 PtCo (Hazen units)	Potable Waters, Surface Waters	Discrete Analyser	Standard Method for the Examination of Water and Wastewater Method 2120 B using SOP 108
	Determination of Fluoride	Fluoride	0.03 to 1 mg/L (extended by dilution)	Surface Water	Discrete Analyser	Standard Method for the Examination of Water and Wastewater 1998 Method 4500 F--E and SSA Book Series: 5 – Methods of Soil Analysis, Calcium Chloride Extractable Fluorine 1996 using SOP 115
			0.05 to 1 mg/L (extended by dilution)	Groundwater	Discrete Analyser	Standard Method for the Examination of Water and Wastewater 1998 Method 4500 F--

						E and SSA Book Series: 5 – Methods of Soil Analysis, Calcium Chloride Extractable Fluorine 1996 using SOP 115
			0.05 to 1 mg/L (extended by dilution)	Industrial Effluent	Discrete Analyser	Standard Method for the Examination of Water and Wastewater 1998 Method 4500 F-- E and SSA Book Series: 5 – Methods of Soil Analysis, Calcium Chloride Extractable Fluorine 1996 using SOP 115
			0.08 to 1 mg/L (extended by dilution)	Potable Water	Discrete Analyser	Standard Method for the Examination of Water and Wastewater 1998 Method 4500 F-- E and SSA Book Series: 5 – Methods of Soil Analysis, Calcium Chloride Extractable Fluorine 1996 using SOP 115
	Determination of Hardness CaCO3	Total Hardness	3 to 20 mg/L (extended by dilution)	Industrial Effluent	Discrete Analyser	Aquakem / Labmedics procedure: ID number HAR001 using SOP 111
			3 to 20 mg/L (extended by dilution)	Sewage Effluent	Discrete Analyser	Aquakem / Labmedics procedure: ID number HAR001 using SOP 111
			3.1 to 20 mg/L (extended by dilution)	Groundwater	Discrete Analyser	Aquakem / Labmedics procedure: ID number HAR001 using SOP 111
			4 to 20 mg/L (extended by dilution)	Surface Water	Discrete Analyser	Aquakem / Labmedics procedure: ID number

						HAR001 using SOP 111
			6 to 20 mg/L (extended by dilution)	Potable Water	Discrete Analyser	Aquakem / Labmedics procedure: ID number HAR001 using SOP 111
		Total Phosphate as P, Phosphate (by calculation), Phosphorous Pentoxide (by calculation)	0.03 to 4 mg/L (extended by dilution)	Groundwater	Discrete Analyser	Standard Method for the Examination of Water and Wastewater Method 4500-P E using SOP 166
			0.03 to 4 mg/L (extended by dilution)	Surface Water	Discrete Analyser	Standard Method for the Examination of Water and Wastewater Method 4500-P E using SOP 166
			0.1 to 4 mg/L (extended by dilution)	Sewage Effluent	Discrete Analyser	Standard Method for the Examination of Water and Wastewater Method 4500-P E using SOP 166
			0.23 to 4 mg/L (extended by dilution)	Industrial Effluent	Discrete Analyser	Standard Method for the Examination of Water and Wastewater Method 4500-P E using SOP 166
	Determination of Nitrate	Nitrate (as N by calculation), Nitrate (by calculation)	0.09 to 8 mg/L (extended by dilution)	Potable Water	Discrete Analyser	Standard Method for the Examination of Water and Wastewater Method 4500-NO3 H using SOP 103
			0.51 to 8 mg/L (extended by dilution)	Surface Water	Discrete Analyser	Standard Method for the Examination of Water and Wastewater Method 4500-NO3 H using SOP 103
			0.67 to 8 mg/L (extended by dilution)	Sewage Effluent	Discrete Analyser	Standard Method for the Examination of Water and Wastewater

						Method 4500-NO3 H using SOP 103
			1 to 8 mg/L (extended by dilution)	Groundwater	Discrete Analyser	Standard Method for the Examination of Water and Wastewater Method 4500-NO3 H using SOP 103
			1 to 8 mg/L (extended by dilution)	Industrial Effluent	Discrete Analyser	Standard Method for the Examination of Water and Wastewater Method 4500-NO3 H using SOP 103
	Determination of Nitrite	Nitrite (as N), Nitrite (by calculation)	0.006 to 0.8 mg/L (extended by dilution)	Surface Water	Discrete Analyser	Standard Method for the Examination of Water and Wastewater Method 4500-NO2- B using SOP 118
			0.01 to 0.8 mg/L (extended by dilution)	Groundwater	Discrete Analyser	Standard Method for the Examination of Water and Wastewater Method 4500-NO2- B using SOP 118
			0.026 to 0.8 mg/L (extended by dilution)	Industrial Effluent	Discrete Analyser	Standard Method for the Examination of Water and Wastewater Method 4500-NO2- B using SOP 118
			0.03 to 0.8 mg/L (extended by dilution)	Potable Water	Discrete Analyser	Standard Method for the Examination of Water and Wastewater Method 4500-NO2- B using SOP 118
			0.05 to 0.8 mg/L (extended by dilution)	Sewage Effluent	Discrete Analyser	Standard Method for the Examination of Water and Wastewater Method 4500-NO2- B using SOP 118
	Determination of Nitrogen	Total Oxidised Nitrogen (TON) as N	0.24 to 8 mg/L (extended by dilution)	Surface Water	Discrete Analyser	Standard Method for the Examination of Water and Wastewater

						Method 4500-NO3 H and SSA Book Series: 5, Methods of Soil Analysis – Extraction of Exchangeable Ammonium and Nitrate and Nitrite 1996 using SOP 151
			0.27 to 8 mg/L (extended by dilution)	Potable Water	Discrete Analyser	Standard Method for the Examination of Water and Wastewater Method 4500-NO3 H and SSA Book Series: 5, Methods of Soil Analysis – Extraction of Exchangeable Ammonium and Nitrate and Nitrite 1996 using SOP 151
			0.29 to 8 mg/L (extended by dilution)	Groundwater	Discrete Analyser	Standard Method for the Examination of Water and Wastewater Method 4500-NO3 H and SSA Book Series: 5, Methods of Soil Analysis – Extraction of Exchangeable Ammonium and Nitrate and Nitrite 1996 using SOP 151
			0.39 to 8 mg/L (extended by dilution)	Industrial Effluent	Discrete Analyser	Standard Method for the Examination of Water and Wastewater Method 4500-NO3 H and SSA Book Series: 5, Methods of Soil Analysis – Extraction of Exchangeable Ammonium and Nitrate and Nitrite 1996 using SOP 151

			0.67 to 8 mg/L (extended by dilution)	Sewage Effluent	Discrete Analyser	Standard Method for the Examination of Water and Wastewater Method 4500-NO3 H and SSA Book Series: 5, Methods of Soil Analysis – Extraction of Exchangeable Ammonium and Nitrate and Nitrite 1996 using SOP 151
	Determination of Orthophosphate	Orthophosphate as P	0.01 to 4 mg/L (extended by dilution)	Groundwater	Discrete Analyser	Standard Method for the Examination of Water and Wastewater Method 4500-P E using SOP 117
			0.01 to 4 mg/L (extended by dilution)	Industrial Effluent	Discrete Analyser	Standard Method for the Examination of Water and Wastewater Method 4500-P E using SOP 117
			0.01 to 4 mg/L (extended by dilution)	Potable Water	Discrete Analyser	Standard Method for the Examination of Water and Wastewater Method 4500-P E using SOP 117
			0.01 to 4 mg/L (extended by dilution)	Surface Water	Discrete Analyser	Standard Method for the Examination of Water and Wastewater Method 4500-P E using SOP 117
			0.03 to 4 mg/L (extended by dilution)	Sewage Effluent	Discrete Analyser	Standard Method for the Examination of Water and Wastewater Method 4500-P E using SOP 117
	Determination of Oxygen	COD	3 to 1500 mg/L (extended by dilution)	Groundwater	COD Reactor, spectrophotometer	Standard Method for the Examination of Water and Wastewater Method 5220 D using SOP 107

			5 to 1500 mg/L (extended by dilution)	Industrial Effluent	COD Reactor, spectrophotometer	Standard Method for the Examination of Water and Wastewater Method 5220 D using SOP 107
			5 to 1500 mg/L (extended by dilution)	Surface Water	COD Reactor, spectrophotometer	Standard Method for the Examination of Water and Wastewater Method 5220 D using SOP 107
	Determination of Phosphate	Total Phosphate as P, Phosphate (by calculation), Phosphorous Pentoxide (by calculation)	0.05 to 4 mg/L (extended by dilution)	Potable Water	Discrete Analyser	Standard Method for the Examination of Water and Wastewater Method 4500-P E using SOP 166
	Determination of Silica	Silica	0.2 to 20 mg/L (extended by dilution)	Sewage Effluent	Discrete Analyser	Standard Method for the Examination of Water and Wastewater Method 4500-SiO2 C using SOP 152
			0.26 to 20 mg/L (extended by dilution)	Surface Water	Discrete Analyser	Standard Method for the Examination of Water and Wastewater Method 4500-SiO2 C using SOP 152
			0.3 to 20 mg/L (extended by dilution)	Groundwater	Discrete Analyser	Standard Method for the Examination of Water and Wastewater Method 4500-SiO2 C using SOP 152
			0.3 to 20 mg/L (extended by dilution)	Industrial Effluent	Discrete Analyser	Standard Method for the Examination of Water and Wastewater Method 4500-SiO2 C using SOP 152
			1.1 to 20 mg/L (extended by dilution)	Potable Water	Discrete Analyser	Standard Method for the Examination of Water and Wastewater Method 4500-SiO2 C using SOP 152

	Determination of Sulphate	Sulphate (SO4)	1 to 300 mg/L (extended by dilution)	Groundwater	Discrete Analyser	Standard Method for the Examination of Water and Wastewater Method 4500-SO42- E and SSA Book Series: 5 – Methods of Soil Analysis, Extraction of Sulphur 1996 using SOP 119
			1 to 300 mg/L (extended by dilution)	Industrial Effluent	Discrete Analyser	Standard Method for the Examination of Water and Wastewater Method 4500-SO42- E and SSA Book Series: 5 – Methods of Soil Analysis, Extraction of Sulphur 1996 using SOP 119
			1 to 300 mg/L (extended by dilution)	Surface Water	Discrete Analyser	Standard Method for the Examination of Water and Wastewater Method 4500-SO42- E and SSA Book Series: 5 – Methods of Soil Analysis, Extraction of Sulphur 1996 using SOP 119
			4 to 300 mg/L (extended by dilution)	Sewage Effluent	Discrete Analyser	Standard Method for the Examination of Water and Wastewater Method 4500-SO42- E and SSA Book Series: 5 – Methods of Soil Analysis, Extraction of Sulphur 1996 using SOP 119
			5 to 300 mg/L (extended by dilution)	Potable Water	Discrete Analyser	Standard Method for the Examination of Water and Wastewater Method 4500-SO42- E and SSA Book Series: 5 – Methods of Soil

						Analysis, Extraction of Sulphur 1996 using SOP 119
	Determination of Total Kjeldahl Nitrogen	Nitrogen	1 to 100 mg/L TKN	Industrial Effluent	Digestor, scrubber, distillation unit	Standard Method for the Examination of Water and Wastewater Method 4500-Norg using SOP 104
	Determination of Total Nitrogen		0 to 30 mg/L Total Nitrogen as N	Potable Waters, Surface Waters, Groundwaters, Trade Effluents, Sewage Effluents	Total Nitrogen Analyser	Based on ASTM D8083 - 16 using SOP 547
			0.1 to 30 mg/L as N as N (extended by dilution)	Surface Water	Total Nitrogen Analyser	Based on ASTM D8083 - 16 using SOP 547
			0.2 to 30 mg/L as N as N (extended by dilution)	Groundwater	Total Nitrogen Analyser	Based on ASTM D8083 - 16 using SOP 547
			0.3 to 30 mg/L as N (extended by dilution)	Potable Water	Total Nitrogen Analyser	Based on ASTM D8083 - 16 using SOP 547
			0.33 to 30 mg/L as N (extended by dilution)	Industrial Effluent	Total Nitrogen Analyser	Based on ASTM D8083 - 16 using SOP 547
			1 to 30 mg/L as N as N (extended by dilution)	Sewage Effluent	Total Nitrogen Analyser	Based on ASTM D8083 - 16 using SOP 547
	Determination of Turbidity	Turbidity	0.1 to 1000 NTU	Groundwater	Turbidimeter	Standard Method for the Examination of Water and Wastewater 2130 A/B and WTW Turb 355IR/T Instruction manual using SOP 109
			0.1 to 1000 NTU	Industrial Effluent	Turbidimeter	Standard Method for the Examination of Water and Wastewater 2130 A/B and WTW Turb 355IR/T

						Instruction manual using SOP 109
			0.1 to 1000 NTU	Potable Water	Turbidimeter	Standard Method for the Examination of Water and Wastewater 2130 A/B and WTW Turb 355IR/T Instruction manual using SOP 109
			0.1 to 1000 NTU	Sewage Effluent	Turbidimeter	Standard Method for the Examination of Water and Wastewater 2130 A/B and WTW Turb 355IR/T Instruction manual using SOP 109
			0.1 to 1000 NTU	Surface Water	Turbidimeter	Standard Method for the Examination of Water and Wastewater 2130 A/B and WTW Turb 355IR/T Instruction manual using SOP 109
767 Physical test/measurement - .01 pH	Determination of pH	pH	4 to 10 pH units	Groundwater	pH meter, electrode or by Automated Analyser	Standard Method for the Examination of Water and Wastewater Method 4500 - H+ B using SOP 110
			4 to 10 pH units	Industrial Effluent	pH meter, electrode or by Automated Analyser	Standard Method for the Examination of Water and Wastewater Method 4500 - H+ B using SOP 110
			4 to 10 pH units	Potable Water	pH meter, electrode or by Automated Analyser	Standard Method for the Examination of Water and Wastewater Method 4500 - H+ B using SOP 110
			4 to 10 pH units	Sewage Effluent	pH meter, electrode or by Automated Analyser	Standard Method for the Examination of Water and Wastewater

						Method 4500 - H+ B using SOP 110
			4 to 10 pH units	Surface Water	pH meter, electrode or by Automated Analyser	Standard Method for the Examination of Water and Wastewater Method 4500 - H+ B using SOP 110
	Determination of pH in Soil		4 to 13 pH units	Soil	pH meter, electrode	Department of Agriculture and Food guidelines Nov, 2004 using SOP 300
767 Physical test/measurement - .02 Conductivity	Determination of Conductivity	Conductivity	2 to 20000 us/cm-1	Groundwater	Conductivity meter, electrode or by Automated Analyser	Standard Method for the Examination of Water and Wastewater Method 2510 B using SOP 112
			2.2 to 20000 us/cm-1	Surface Water	Conductivity meter, electrode or by Automated Analyser	Standard Method for the Examination of Water and Wastewater Method 2510 B using SOP 112
			33 to 20000 us/cm-1	Industrial Effluent	Conductivity meter, electrode or by Automated Analyser	Standard Method for the Examination of Water and Wastewater Method 2510 B using SOP 112
			36 to 20000 us/cm-1	Sewage Effluent	Conductivity meter, electrode or by Automated Analyser	Standard Method for the Examination of Water and Wastewater Method 2510 B using SOP 112
			7.4 to 20000 us/cm-1	Potable Water	Conductivity meter, electrode or by Automated Analyser	Standard Method for the Examination of Water and Wastewater Method 2510 B using SOP 112
767 Physical test/measurement - .03 Suspended Solids	Determination of Suspended Solids	Suspended Solids	2 to 1000 mg/L	Industrial Effluent	Drying oven, balance	Standard Method for the Examination of Water and Wastewater Method 2540 D and

						EPA method 160.2 for Gravimetric analysis using SOP 106

Head Office

Chemical Testing

Category: B

Chemistry Field - Tests	Test name	Analyte	Range of measurement	Matrix	Equipment/technique	Standard reference/SOP
798 Sampling	Drinking Water Sampling	Sampling	N/A	Treatment Plant and Distribution Network		BS ISO 5667-5:2006 using EM 403