

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	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 1 Boyne Business Park, Drogheda, Louth
2	Fitz Scientific	Unit 1, Boyne Business Park, Drogheda, Louth, Ireland, A92 Y397

Scope of Accreditation

Fitz Scientific

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 Sauces, Nuts and Nut Products, Prepared Foods - Ready to Eat Meals, Milk	By Calculation	SOP 488 FAO 1998
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 -	By Calculation	SOP 488 Carbohydrate Values in Food SOP 573 Reg EU 1169/2011 of European Parliament and Council of 25 October 2011.

			Ready to Eat Meals, Milk		
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,	GC-FID	AOAC Method 2012.13 using CEM Rapid FAME's

		Confectionary, Prepared Dishes, Infant Formula, Fish, Meat, Nuts & Nut Products		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 & 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-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-eicosatetraenoate (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, 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 docosahexaenoate (C22:6) (DHA)	0.35 to 100g/100g	Soups & Sauces, Pet food, Fruit & Veg, Cereal Dairy, Confectionary, Prepared Dishes,	GC-FID	AOAC Method 2012.13 using CEM Rapid FAME's Analysis Method by SOP 564

		Infant Formula, Fish, Meat, Nuts & Nut Products		
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, Fish, Meat, Nuts & Nut Products	GC-FID	AOAC Method 2012.13 using CEM Rapid FAME's Analysis Method by SOP 564
Methyl Hexanoate (C6:0)	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 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 Linoleaidate (C18:2)	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 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,	GC-FID	AOAC Method 2012.13 using CEM Rapid FAME's

		Confectionary, Prepared Dishes, Infant Formula, Fish, Meat, Nuts & Nut Products		Analysis Method by SOP 564
Methyl Palmitate (C16:0)	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 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, 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 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,	GC-FID	AOAC Method 2012.13 using CEM Rapid FAME's Analysis Method by SOP 564

		Infant Formula, Fish, Meat, Nuts & Nut Products		
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, Fish, Meat, Nuts & Nut Products	GC-FID	AOAC Method 2012.13 using CEM Rapid FAME's Analysis Method by SOP 564
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 &	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
	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 NaNO ₃	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 NO ₃	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 NaNO ₂ (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 NO ₂	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,	Kjeldahl nitrogen method - digestion,	SOP 487 AOAC Vol 82 No 6 1999

			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	distillation and titrimetry	
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, 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

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,	IC	High performance anion exchange

			Fruit and Veg., Cereals, Non-Alcoholic Beverages, Confectionary, Prepared Dishes, Infant Formula, Lactose Free Infant Formula, Dessert and Ices		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	Total Fat using Nuclear Magnetic Resonance	SOP 486 AOAC 2008.06

				Products, General Foods, Fruit, Soups & Sauces, 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	Ridascreen Gliadin (R7001 kit) R5 Sandwich Elisa	AOAC Official Method of Analysis (OMA 2012.01) cert. 120601 using SOP 615

				products, egg products / ice cream / milk and their products, cheese and cheese products, spread, soft drinks, vinegar, 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,	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		
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 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'
		0.01 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'

	Determination of Mineral Oil	Mineral Oil Aliphatics by Calculation (C10-C40) (Soil)	as calculated to 2000 mg/Kg	Soil	by calculation	Using SOP 572
		Mineral Oil Aliphatics by Calculation (C10-C40) (Solid CDW))	as calculated to 2000 mg/Kg	Solid (CDW) CDW - Construction and Demolition Waste	by calculation	Using SOP 572
		Mineral Oil by Calculation (C10-C40) (Soil)	as calculated to 2000 mg/Kg	Soil	by calculation	Using SOP 572
		Mineral Oil by Calculation (C10-C40) (Solid CDW)	as calculated to 2000 mg/Kg	Solid (CDW) CDW - Construction and Demolition Waste	by calculation	Using SOP 572
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
PFDaA (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
PFDaA (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
PFDaA (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 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
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
PFTTrDA (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
PFTTrDA (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
PFTTrDA (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
PFTTrDS (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

PFTTrDS (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
PFTTrDS (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

766 Environmental testing (inc waters) - .01 Metal analysis	Determination of Metals by ICP-OES	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
		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 aggregates, BDW - Biodegradable waste, Sludge)	ICP-OES	Based on US EPA Method 3051 using SOP 616
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	ICP-OES	Based on US EPA Method 3051 using SOP 616

		- Biodegradable waste, Sludge)		
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 aggregates, BDW - Biodegradable waste, Sludge)	ICP-OES	Based on US EPA Method 3051 using SOP 616
	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,	ICP-OES	Based on US EPA Method 3051 using SOP 616

				RA - Recycled aggregates, BDW - Biodegradable waste, Sludge)		
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 Dissolved Organic Carbon in Leachate	DOC (Leachate) (Soil)	24 to 5000 mg/Kg (extended by dilution)	Soil	TOC Analyser with autosampler	Based on USEPA Method 300.1 using SOP 621
	DOC (Leachate) (Solid)	8 to 5000 mg/Kg (extended by dilution)	Solid (CDW, RA) CDW - Construction and Demolition Waste, RA - Recycled Aggregates	TOC Analyser with autosampler	Based on USEPA Method 300.1 using SOP 621
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	Based on EPA Method 557

				spectrometric detection (MSD) in multiple reaction mode (MRM)	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
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	Based on EPA Method 557 Quantification of Haloacetic acids,

					multiple reaction mode (MRM)	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	Based on EPA Method 557

					spectrometric detection (MSD) in multiple reaction mode (MRM)	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 Total Organic Carbon	TOC (Soil)	as calculated to 37.1%	Soil	by calculation	Using SOP 315	
	TOC (Solid) (CDW, BDW, RA)	as calculated to 37.1%	Solid (CDW, BDW, RA) CDW - Construction and Demolition Waste, BDW - Biodegradable	by calculation	Using SOP 315	

			Waste, RA - Recycled Aggregates		
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

Determination of Volatile Organic Compounds	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
	1,1,2,2-Tetrachloroethane	8 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
	1,1,1,2-Tetrachloroethane	3 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
		5 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
	1,1,1-Trichloroethane	3 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644

1,1,1-Trichloroethane	4 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
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
1,1,2,2- Tetrachloroethane	6 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
1,1,2-Trichloroethane	7.2 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
1,1,2-Trichloroethane	5 to 200 µg/kg	Solid (CDW) (CDW -	Headspace GCMS	Based on EPA method 8260b along with inhouse

		Construction and Demolition Waste)		development with manufacture application engineer using SOP 644
1,1-Dichloroethane	5 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
	7 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
1,1-Dichloroethylene	7 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
1,1-Dichloroethylene	3 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
1,1-Dichloropropylene	3 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture

				application engineer using SOP 644
	4 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
1,2,3-Trichlorobenzene	2 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
1,2,3-Trichlorobenzene	7 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
1,2,3-Trichloropropane	6 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
1,2,3-Trichloropropane	5 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644

1,2,4-Trichlorobenzene	9 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
1,2,4-Trichlorobenzene	8.5 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
1,2,4-Trimethylbenzene	3 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
	6 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
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
		8 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
	1,2-Dibromo-3- chloropropane	7 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
	1,2-Dibromoethane	5.5 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
	1,2-Dibromoethane	7 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
	1,2-Dichlorobenzene	4 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture

				application engineer using SOP 644
1,2-Dichlorobenzene	2.2 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
1,2-Dichloroethane	3.5 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
1,2-Dichloroethane	6 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
1,2-Dichloropropane	10 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
	5 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644

1,3,5-Trimethylbenzene	3 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
	5 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
1,3-Dichlorobenzene	3 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
	5 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
1,3-Dichloropropane	3 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
1,3-Dichloropropane	6 to 200 µg/kg	Solid (CDW) (CDW -	Headspace GCMS	Based on EPA method 8260b along

		Construction and Demolition Waste)		with inhouse development with manufacture application engineer using SOP 644
1,4-Dichlorobenzene	3 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
	6 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
2,2-Dichloropropane	3 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
	4 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
2-Chlorotoluene	4 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with

				manufacture application engineer using SOP 644
	4.3 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
4-Chlorotoluene	10 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
	3 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
Benzene	5 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
Benzene	3 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture

				application engineer using SOP 644
Bromobenzene	2.4 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
	5 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
Bromochloromethane	4 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
	5 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
Bromodichloromethane	5 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644

Bromodichloromethane	3 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
Bromoform	5 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
Bromoform	7.7 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
Carbon tetrachloride	3 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
	5 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
Chlorobenzene	3 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along

				with inhouse development with manufacture application engineer using SOP 644
	4 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
Chloroethane	7 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
Chloroethane	10 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
Chloroform	4 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
	7 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with

				manufacture application engineer using SOP 644
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
	5 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
Chloromethane	6 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
cis-1,2-Dichloroethylene	3 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644

	5 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
cis-1,3- Dichloropropylene	3 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
cis-1,3- Dichloropropylene	6 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
Dibromochloromethane	3 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
	5 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
Dibromomethane	11 to 200 µg/kg	Solid (CDW) (CDW -	Headspace GCMS	Based on EPA method 8260b along

		Construction and Demolition Waste)		with inhouse development with manufacture application engineer using SOP 644
	12 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
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
Dichlorodifluoromethane	3 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
	5 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture

				application engineer using SOP 644
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
Ethylbenzene	4 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
Ethylbenzene	6 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
Hexachlorobutadiene	3 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644

Hexachlorobutadiene	6 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
Isopropylbenzene	3 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
Isopropylbenzene	7 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
m/p-Xylene	4 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
m/p-Xylene	4 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
Napthalene	3 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along

				with inhouse development with manufacture application engineer using SOP 644
	5 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
n-Butylbenzene	3 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
	3 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
	3 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
	3 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with

				manufacture application engineer using SOP 644
n-Propylbenzene	3 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
	5 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
o-Xylene	4 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
o-Xylene	5 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
p-Isopropyltoluene	5 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture

				application engineer using SOP 644
p-Isopropyltoluene	3 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
sec-Butylbenzene	5 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
sec-Butylbenzene	3 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
Styrene	3 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
	3 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644

tert-Butylbenzene	3 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
	6 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
Tetrachloroethylene	4 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
	4 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
Toluene	15 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
	7 to 200 µg/kg	Solid (CDW) (CDW -	Headspace GCMS	Based on EPA method 8260b along

		Construction and Demolition Waste)		with inhouse development with manufacture application engineer using SOP 644
trans-1,2-Dichloroethylene	3 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
trans-1,2-Dichloroethylene	4 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
trans-1,3-Dichloropropylene	11 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
	18 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
Trichloroethene	1 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154

Trichloroethylene	3 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
Trichloroethylene	4 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
Trichlorofluoromethane	1 to 200 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154
Trichlorofluoromethane	3 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
	6 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
Vinyl Chloride	0.1 to 50 ug/L (extended by dilution)	Industrial Effluent	Headspace GCMS	EPA Method 8260B using SOP 154

766 Environmental testing (inc waters) - .05 Inorganic			0.118 to 50 ug/L (extended by dilution)	Potable Water	Headspace GCMS	EPA Method 8260B using SOP 154
			5 to 200 µg/kg	Soil	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
		Vinyl Chloride	7 to 200 µg/kg	Solid (CDW) (CDW - Construction and Demolition Waste)	Headspace GCMS	Based on EPA method 8260b along with inhouse development with manufacture application engineer using SOP 644
	Determination of Anions in Leachate	Chloride (Leachate) (Soil)	21 to 25000 mg/Kg (extended by dilution)	Soil	IC with autosampler	Based on USEPA Method 300.1 using SOP 622
		Chloride (Leachate) (Solid)	31 to 25000 mg/Kg (extended by dilution)	Solid (CDW, BDW, RA) CDW - Construction and Demolition Waste, BDW - Biodegradable Waste, RA - Recycled Aggregates	IC with autosampler	Based on USEPA Method 300.1 using SOP 622
		Fluoride (Leachate) (Soil)	0.8 to 500 mg/Kg (extended by dilution)	Soil	IC with autosampler	Based on USEPA Method 300.1 using SOP 622
		Fluoride (Leachate) (Solid)	9.6 to 500 mg/Kg (extended by dilution)	Solid (CDW, BDW, RA) CDW - Construction and Demolition Waste,	IC with autosampler	Based on USEPA Method 300.1 using SOP 622

			BDW - Biodegradable Waste, RA - Recycled Aggregates		
	Sulphate (Leachate) (Soil)	14 - 50000 mg/Kg (extended by dilution)	Soil	IC with autosampler	Based on USEPA Method 300.1 using SOP 622
	Sulphate (Leachate) (Solid)	384 to 50000 mg/Kg (extended by dilution)	Solid (CDW, BDW, RA) CDW - Construction and Demolition Waste, BDW - Biodegradable Waste, RA - Recycled Aggregates	IC with autosampler	Based on USEPA Method 300.1 using SOP 622
Determination of Conductivity in Leachate	Conductivity (Leachate) (Soil)	4 to 100,000 $\mu\text{S}/\text{cm}$	Soil	Conductivity meter, electrode	Based on Standard Method for the Examination of Water and Wastewater method 2510 B using SOP 112
	Conductivity (Leachate) (Solid)	23 to 100,000 $\mu\text{S}/\text{cm}$	Solid (CDW, BDW, RA) CDW - Construction and Demolition Waste, BDW - Biodegradable Waste, RA - Recycled Aggregates	Conductivity meter, electrode	Based on Standard Method for the Examination of Water and Wastewater method 2510 B using SOP 112
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 & Demolition Waste, BDW - Biodegradable	Drying Oven, Balance	Based on Soil Sampling and Methods of Analysis, 1993 using SOP 302

			Waste, RA - Recycled Aggregates		
	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 Carbon	TC (Soil)	1.3 to 12 % (extended by dilution)	Soil	TOC Analyser with autosampler	Using SOP 315
	TC (Solid) (CDW, BDW, RA)	3.6 to 12% (extended by dilution)	Solid (CDW, BDW, RA) CDW - Construction and Demolition Waste, BDW - Biodegradable Waste, RA - Recycled Aggregates	TOC Analyser with autosampler	Using SOP 315
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
Determination of Total Inorganic Carbon	TIC (CDW, BDW, RA)	0.9 - 12%	Solid (CDW, BDW, RA) CDW - Construction and Demolition Waste, BDW - Biodegradable Waste, RA -	TOC Analyser with autosampler	Using SOP 315

767 Physical test/measurement - .01 pH	Determination of pH			Recycled Aggregates		
		TIC (Soil)	0.4 12 %	Soil	TOC Analyser with autosampler	Using SOP 315
		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



Head Office

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	EPA Method 8081 along with In house development with

			mass spectrometric detection with TSQ9000	Manufacturer Applications Engineer using SOP 575
	0.0043 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
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	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	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	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
Endosulfan I (Alpha)	0.003 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
	0.009 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	EPA Method 8081 along with In house development with

					mass spectrometric detection with TSQ9000	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 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
		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	EPA Method 8081 along with In house development with

			mass spectrometric detection with TSQ9000	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 - 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-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	EPA Method 8081 along with In house development with

				mass spectrometric detection with TSQ9000	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	EPA Method 8081 along with In house development with

					mass spectrometric detection with TSQ9000	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 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	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	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	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at

			multiple reaction mode (MRM)	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	EPA Method 8081 along with In house development with Manufacturer

					detection with TSQ9000	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	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at the ng/L level utilizing

			multiple reaction mode (MRM)	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	Quantification of EPA 1694 Pharmaceuticals

			spectrometric detection (MSD) in multiple reaction mode (MRM)	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)	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	Quantification of EPA 1694 Pharmaceuticals

					spectrometric detection (MSD) in multiple reaction mode (MRM)	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	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at

					multiple reaction mode (MRM)	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	Quantification of EPA 1694 Pharmaceuticals

				spectrometric detection (MSD) in multiple reaction mode (MRM)	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	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at

				multiple reaction mode (MRM)	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	Quantification of EPA 1694 Pharmaceuticals

			spectrometric detection (MSD) in multiple reaction mode (MRM)	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)	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	Quantification of EPA 1694 Pharmaceuticals

					spectrometric detection (MSD) in multiple reaction mode (MRM)	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	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at

					multiple reaction mode (MRM)	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	Quantification of EPA 1694 Pharmaceuticals

				spectrometric detection (MSD) in multiple reaction mode (MRM)	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	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at

				multiple reaction mode (MRM)	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	Quantification of EPA 1694 Pharmaceuticals

			spectrometric detection (MSD) in multiple reaction mode (MRM)	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)	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	Quantification of EPA 1694 Pharmaceuticals

					spectrometric detection (MSD) in multiple reaction mode (MRM)	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	Quantification of EPA 1694 Pharmaceuticals and Personal Care Products in Water at

				multiple reaction mode (MRM)	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 10000 ug/L	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			14 to 10000 ug/L	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			3 to 10000 ug/L	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			8 to 10000 ug/L	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			9 to 10000 ug/L	Potable Water	ICP-MS	Standard Method for the Examination of

				Water and Wastewater Method 3125B using SOP 177
Antimony	2 to 10000 ug/L	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	2 to 10000 ug/L	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	2 to 10000 ug/L	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	3 to 10000 ug/L	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	4 to 10000 ug/L	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
Arsenic	1 to 10000 ug/L	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	1 to 10000 ug/L	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater

			Method 3125B using SOP 177
1 to 10000 ug/L	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
1 to 10000 ug/L	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
2 to 10000 ug/L	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
1 to 10000 ug/L	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
2 to 10000 ug/L	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
2 to 10000 ug/L	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
3 to 10000 ug/L	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater

				Method 3125B using SOP 177
	4 to 10000 ug/L	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
Beryllium	1 to 10000 ug/L	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	1 to 10000 ug/L	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	1 to 10000 ug/L	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	1 to 10000 ug/L	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	1 to 10000 ug/L	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
Boron	0.020 to 10 mg/L	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater

				Method 3125B using SOP 177
	10 to 10000 ug/L	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	16 to 10000 ug/L	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	8 to 10000 ug/L	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	9 to 10000 ug/L	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
Cadmium	1 to 10000 ug/L	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	1 to 10000 ug/L	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	1 to 10000 ug/L	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater

				Method 3125B using SOP 177
	1 to 10000 ug/L	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	1 to 10000 ug/L	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
Calcium	0.6 to 1000 mg/L	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3120 B using SOP 184
	0.69 to 1000 mg/L	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3120 B using SOP 184
	1.443 to 1000 mg/L	Potable Water	ICP-MS	SOP 184 Standard Method for the Examination of Water and Wastewater Method 3120 B Edition 23
	0.365 to 1000 mg/L	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3120 B using SOP 184
	0.525 to 1000 mg/L	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater

				Method 3120 B using SOP 184
Cesium	1 to 10000 ug/L	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	1 to 10000 ug/L	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	1 to 10000 ug/L	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	1 to 10000 ug/L	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	2 to 10000 ug/L	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
Chromium	1 to 10000 ug/L	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	1 to 10000 ug/L	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater

Cobalt				Method 3125B using SOP 177
	1 to 10000 ug/L	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	2 to 10000 ug/L	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	4 to 10000 ug/L	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	1 to 10000 ug/L	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	1 to 10000 ug/L	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	1 to 10000 ug/L	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	1 to 10000 ug/L	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater

				Method 3125B using SOP 177
	1 to 10000 ug/L	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
Copper	0.003 to 10 mg/L)	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	1 to 10000 ug/L	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	2 to 10000 ug/L	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	3 to 10000 ug/L	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	6 to 10000 ug/L	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
Gallium	1 to 10000 ug/L	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater

				Method 3125B using SOP 177
	1 to 10000 ug/L	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	1 to 10000 ug/L	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	1 to 10000 ug/L	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	1 to 10000 ug/L	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
Iron	14 to 10000 ug/L	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	22 to 10000 ug/L	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	25 to 10000 ug/L	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater

				Method 3125B using SOP 177
	3 to 10000 ug/L	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	8 to 10000 ug/L	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
Lead	1 to 10000 ug/L	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	1 to 10000 ug/L	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	1 to 10000 ug/L	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	1 to 10000 ug/L (extended by dilution)	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	1 to 10000 ug/L (extended by dilution)	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater

				Method 3125B using SOP 177
Lithium	1 to 10000 ug/L	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	2 to 10000 ug/L	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	2 to 10000 ug/L	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	4 to 10000 ug/L	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	4 to 10000 ug/L	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
Magnesium	0.14 to 1000 mg/L	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3120 B using SOP 184
	0.27 to 1000 mg/L	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater

				Method 3120 B using SOP 184
	0.55 to 1000 mg/L	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3120 B using SOP 184
	0.55 to 1000 mg/L	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3120 B using SOP 184
	0.55 to 1000 mg/L	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3120 B using SOP 184
Manganese	1 to 10000 ug/L	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	1 to 10000 ug/L	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	18 to 10000 ug/L	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	3 to 10000 ug/L	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater

Mercury				Method 3125B using SOP 177
	3 to 10000 ug/L	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	0.08 to 50 ug/L	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 178
	0.10 to 50 ug/L	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 178
	0.22 to 50 ug/L	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 178
	0.24 to 50 ug/L	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 178
	0.28 to 50 ug/L	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
Nickel	1 to 10000 ug/L	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	1 to 10000 ug/L	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	2 to 10000 ug/L	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	2 to 10000 ug/L	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	2 to 10000 ug/L	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
Potassium	0.07 to 1000 mg/L	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3120 B using SOP 184
	0.09 to 1000 mg/L)	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater

				Method 3120 B using SOP 184
	0.35 to 1000 mg/L	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3120 B using SOP 184
	0.35 to 1000 mg/L	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3120 B using SOP 184
	0.527 to 1000 mg/L	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3120 B using SOP 184
Rubidium	1 to 10000 ug/L	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	1 to 10000 ug/L	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	1 to 10000 ug/L	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	24 to 10000 ug/L	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater

				Method 3125B using SOP 177
	7 to 10000 ug/L	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
Selenium	1 to 10000 ug/L	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	1 to 10000 ug/L	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	1 to 10000 ug/L	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	3 to 10000 ug/L	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	3 to 10000 ug/L	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
Silver	0.27 to 10000 ug/L	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater

				Method 3125B using SOP 177
	0.35 to 10000 ug/L	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	0.42 to 10000 ug/L	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	0.60 to 10000 ug/L	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	1 to 10000 ug/L	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
Sodium	0.29 to 1000 mg/L	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3120 B using SOP 184
	0.47 to 1000 mg/L	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3120 B using SOP 184
	0.83 to 1000 mg/L	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater

				Method 3120 B using SOP 184
	0.924 to 1000 mg/L	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3120 B using SOP 184
	1.093 to 1000 mg/L	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3120 B using SOP 184
Strontium	12 to 10000 ug/L	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	24 to 10000 ug/L	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	25 to 10000 ug/L	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	3 to 10000 ug/L	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	43 to 10000 ug/L	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater

				Method 3125B using SOP 177
Thallium	1 to 10000 ug/L	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	1 to 10000 ug/L	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	1 to 10000 ug/L	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	1 to 10000 ug/L	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	1 to 10000 ug/L	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
Tin	1 to 1000 ug/L	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	1 to 10000 ug/L	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater

			Method 3125B using SOP 177
1 to 10000 ug/L	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
1 to 10000 ug/L	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
3 to 10000 ug/L	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
1 to 10000 ug/L	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
1 to 10000 ug/L	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
1 to 10000 ug/L	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
1 to 10000 ug/L	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater

				Method 3125B using SOP 177
	1 to 10000 ug/L	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
Vanadium	1 to 10000 ug/L	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	1 to 10000 ug/L	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	1 to 10000 ug/L	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	1 to 10000 ug/L	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
	3 to 10000 ug/L	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
Zinc	2 to 10000 ug/L	Groundwater	ICP-MS	Standard Method for the Examination of Water and Wastewater

						Method 3125B using SOP 177
			2 to 10000 ug/L	Surface Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			20 to 10000 ug/L	Sewage Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			5 to 10000 ug/L	Potable Water	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
			9 to 10000 ug/L	Industrial Effluent	ICP-MS	Standard Method for the Examination of Water and Wastewater Method 3125B using SOP 177
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-MSMS 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-MSMS 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)

					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	0.3 to 50 mg/L (extended by dilution)	Groundwater	Total Organic Carbon Analyser	Based on BS 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	Total Organic Carbon Analyser	Based on BS 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
		1.4 to 50 mg/L (extended by dilution)	Sewage Effluent	Total Organic Carbon Analyser	Based on BS 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	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,	Standard Method for the Examination of Water and Wastewater

				incubator or by Automated Analyser	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 Free Cyanide	Free Cyanide	5.8 to 250.0 ug/L	Potable water	Continuous flow analyser	Based on ISO 14403-2:2012 Water quality- Determination of total cyanide and free cyanide by flow

					analysis using SOP 652
		6 to 250 ug/L	Surface water, Ground water	Continuous flow analyser	Based on ISO 14403-2:2012 Water quality- Determination of total cyanide and free cyanide by flow analysis using SOP 652
Determination of Hardness CaCO ₃	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
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-NO ₃ 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)	0.03 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	
		0.05 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	
		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 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-SiO ₂ 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-SiO ₂ C using SOP 152
Determination of Sulphate	Sulphate (SO ₄)	1 to 300 mg/L (extended by dilution)	Groundwater	Discrete Analyser	Standard Method for the Examination of Water and Wastewater Method 4500-SO ₄ ²⁻ 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-SO ₄ ²⁻ 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-SO ₄ ²⁻ 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 Cyanide	Total Cyanide	4.0 to 250.0 ug/L	Potable water, Surface water, Ground water.	Continuous flow analyser	Based on ISO 14403-2:2012 Water quality- Determination of total cyanide and free cyanide by flow analysis using SOP 652
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	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

767 Physical test/measurement - .01 pH	Determination of pH	pH				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
			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

