

ORGANIC - WATER					
Analytical Parameter	Min. Vol. (ml)	Container	Preservative	Holding Time	
				Preserved	Unpreserved
BNAE/ Chlorophenols/Phthalates / Phenols /Phenoxy Acids	2 x 1L *	AG, TC	None	-	14 Days
Carbamates / OP Pest / Triazines	2 x 500	AG, TC	None	-	7 Days
Diquat/ Paraquat	2 x 250	PB	None	-	14 Days
Haloacetic Acid(HAA)	3 x 40	AG	NH ₄ Cl	14 Days	-
Nonylphenol/Nonylphenol Ethoxylates	2 x 100	AG	HCl	14 Days	Must be field preserved
OC Pest/PCBs	2 x 500	AG, TC	None	-	14 Days
Oil & Grease/Heavy Oils	2 x 1L *	AG, TC	H ₂ SO ₄	28 Days	-
PAHs	2 x 100	AG, TC	None	-	14 Days
PHC F1/BTEX/VOCs/THMs/Freons/VPH	3 X 40	AG, NH, SV	NaHSO ₄	14 Days	7 Days
PHCs F2-F4/ CCME F4G/EPH	2 x 100	AG, TC	HCl	14 Days	7 Days

INORGANIC - WATER					
Analytical Parameter	Min. Vol. (ml)	Container	Preservative	Holding Time	
				Preserved	Unpreserved
Alkalinity / Acidity	100	PB	None	-	14 Days
Ammonia	100	PB	H ₂ SO ₄	14 Days	-
Anions (NO ₂ , NO ₃ , PO ₄ / Br, Cl, F, SO ₄)	60	PB	None	-	7/28 Days
BOD/cBOD	500	PB/CG	None	-	4 Days (MISA)
Carbon (DOC, TOC)	100	PB	H ₂ SO ₄	28 Days	10 Days
Carbon (DIC, TIC)	60	PB	None	-	30 Days
Chemical Oxygen Demand (COD) / Phosphorus (total)	100	PB	H ₂ SO ₄	28 Days	4 Days
Chromium VI	50	PB	Buffer Solution	28 Days	24 Hours
Conductivity (EC)	60	PB	None	-	28 Days
Colour	60	PB	None	-	14 Days
Cyanide (CN-), WAD/SAD	60	PB	NaOH	14 Days	Must be field preserved
Ferrous Iron	2 x 40	AG	HCl	7 Days	24 Hours
Mercury (Dissolved) – field filtered	2 x 40	AG	HCl	28 Days	Must be field preserved
Mercury (Total) – not filtered	2 x 40	AG	HCl	28 Days	Must be field preserved
Metals (Dissolved) – field filtered	60	PB	HNO ₃	60 Days	Must be field preserved
Metals (Total) – not filtered	100	PB	HNO ₃	60 Days	Must be field preserved
Microbiology (HPC, E.coli & TC, Fecal)	2 x 100	PB	Na ₂ S ₂ O ₃ / Sterile	48 Hours	Must be field preserved
ORP/Residual Chlorine	2 x 40	AG	None	24 Hours As Rec'd	-
Phenols	100	AG	H ₂ SO ₄	28 Days	-
pH	40	PB	None	-	4 Days (MISA)
Reactive Silica	10	PB	None	-	28 Days
Solids (TS, TSS, TDS, VSS, TVS)	250	PB	None	-	7 Days
Sulphide (S ²⁻)	100	PB	NaOH/ZnAc	28 days	Must be field preserved
TKN	100	PB	H ₂ SO ₄	14 Days (MISA)/ 28 Days	-
Turbidity	50	PB	None	-	48 Hours

ORGANIC - SOIL					
Analytical Parameter	Min. Vol. (g)	Container	Preservative	Holding Time	
				Preserved	Unpreserved
ABN/Phthalates/Phenols/ Chlorophenols/PAHS/OC Pest	50	AG/CG, TC	None	-	60 Days
PHC F1/BTEX/VOC/VPH	5**	SV	Methanol	14 Days	Hermetic Sampler: 48 hours
Oil & Grease/Heavy Oils	50	AG/CG, TC	None	-	28 Days
OP Pest/Triazines/Carbamates/ Phenoxy Acids/PHCs F2-F4/EPH	50	AG/CG, TC	None	-	14 Days
PCBs	50	AG/CG, TC	None	-	Indefinite
TCLP/SPLP	200	AG, CG	None	-	14 days

INORGANIC - SOIL					
TKN/Carbon (TOC)	50	AG, CG	None	-	28 Days
Anions (Br, Cl, F, NO ₃ , NO ₂ , PO ₄ , SO ₄)	100	AG, CG	None	-	30 Days
Cyanide (CN), WAD	50	AG, CG	None	-	14 Days
Cations (Ca, Mg, Na, K)	100	AG, CG	None	-	180 Days As Rec'd
Chromium VI	100	AG, CG	None	-	30 Days As Rec'd
Metals/ HWSB/SAR	50	AG, CG	None	-	180 Days As Rec'd
Mercury	100	AG	None	-	28 Days
pH, Conductivity	100	AG, CG	None	-	30 Days
ORP/Ignitability	100	AG, CG	None	-	24 Hours As Rec'd
Particle Size	100	AG, CG	None	-	-
TCLP/SPLP	200	AG, CG	None	-	14 days

ULTRA TRACE					
PFAS - Soil	250	PJ	None	-	28 days
PFAS - Water	2 x 250	PB	None	-	28 Days

SAMPLING NOTES					
<ul style="list-style-type: none"> For more detailed sampling instructions or for specific parameters within packages, please contact AGAT Laboratories. Coolers and sample containers are available from AGAT. All samples must be kept cool (< 10°C) and should be transported to the laboratory as soon as possible. Do not freeze microbiology samples. Specific requirements may differ by region, please contact AGAT Laboratories for more details. All holding times are preferred maximums and are based on regulatory requirements or requirements set forth by the analytical method; holding times may vary depending on the required application. For oil/product samples only a minimal amount is required. Please use an unpreserved 40ml vial. * 800 mL in a 1L AG bottle ** 5g of soil in methanol or hermetic sampler is required for analysis, an additional 50ml soil jar is required for moisture content. PFAS SW/GW - 2X250mL HDPE bottles (liner less with HDPE/Polypropylene caps). No preservative. Minimum sample volume - 2x250mL PFAS soil: 250mL wide mouth HDPE jars (liner less with HDPE/Polypropylene caps) Minimum volume 50g 					

CONTAINER LEGEND					
AG/AV - Amber Glass/Vial NH - No Headspace TC - Teflon Lined Cap PB - Plastic Bottle PJ - Plastic Jar PE - Plastic Bag SV - Septum Vial CG - Clear Glass					