



Arizona Sample Procedures & Requirements

Organic: Water						
Analytical Parameter	Min. Vol. (ml)	** Container	Preservative	Holding Time		
				Preserved	Unpreserved	Sample Type
OC Pest/ PCBs	2 x 500	AG, TC	None	—	14 Days	WW
Oil & Grease/ Heavy Oils	**** 2 x 1L	AG, TC	H ₂ SO ₄	28 Days	—	WW
PAHs	2 x 100	AG, TC	None	—	14 Days	WW
GRO/ VOCs/ THMs/ Freons	***** 3 x 40	AG, NH, SV	NaHSO ₄	14 Days	7 Days	WW
DRO/TPH/PAH	2 x 100	AG, TC	HCl	14 Days	7 Days	WW
PFAS - EPA 537.1	2 x 250	*** PB	5.0 g/L Trizma	28 Days	—	SDW
PFAS - EPA 533	2 x 250	*** PB	1 g/L Ammonium Acetate	28 Days	—	SDW

Inorganic: Water						
Analytical Parameter	Min. Vol. (ml)	** Container	Preservative	Holding Time		
				Preserved	Unpreserved	Sample Type
Alkalinity/ Acidity	100	PB	None	—	14 Days	SDW, WW
Ammonia	100	PB	H ₂ SO ₄	14 Days	14 Days	WW
Anions (NO ₂ , NO ₃ / SO ₄ / Br, Cl, F, PO ₄)	60	PB	None	—	2/ 14/ 28 Days	SDW, WW
BOD/ cBOD	500	PB	None	—	4 Days	WW
Carbon (DOC, TOC)	100	PB	H ₂ SO ₄	28 Days	10 Days	WW
Carbon (DIC, TIC)	60	PB	None	—	30 Days	WW
Chemical Oxygen Demand (COD)/ Phosphorus (total)	100	PB	H ₂ SO ₄	28 Days	4 Days	WW
Chromium VI	50	PB	* Buffer Solution	28 Days	24 Hours	WW
Conductivity (EC)	60	PB	None	—	28 Days	SDW, WW
Color	60	PB	None	—	14 Days	SDW, WW
Cyanide (CN ⁻), WAD/ SAD	60	PPB	NaOH	14 Days	Must be field preserved	WW
Mercury (Dissolved) – field filtered	2 x 40	AG	HNO ₃	28 Days	Must be field preserved	SDW, WW
Mercury (Total) – not filtered	2 x 40	AG	HNO ₃	14 Days	Must be field preserved	SDW, WW
Metals (Dissolved) – field filtered	60	PB	HNO ₃	60 Days	Must be field preserved	SDW, WW
Metals (Total) – not filtered	100	PB	HNO ₃	60 Days	Must be field preserved	SDW, WW
Microbiology (HPC, E.coli & TC, Fecal)	2 x 100	PB	Na ₂ S ₂ O ₃ / Sterile	48 Hours	Must be field preserved	WW
ORP/Residual Chlorine	2 x 40	AG	None	24 Hours as Req'd	—	WW
Phenols	100	AG	H ₂ SO ₄	28 Days	—	WW
pH	40	PB	None	—	4 Days	SDW, WW
Solids (TS, TSS, TDS, VSS, TVS)	250	PB	None	—	7 Days	SDW, WW
Turbidity	50	PB	None	—	48 Hours	SDW, WW

Organic: Soil and Waste						
Analytical Parameter	Min. Vol. (ml)	** Container	Preservative	Holding Time		
				Preserved	Unpreserved	Sample Type
ABN/ Phthalates/ Phenols/ Chlorophenols/ PAHS/ OC Pest	50	AG/ CG, TC	None	—	60 Days	HW
GRO/VOCs	***** 5	SV	Methanol	40 Days	Hermetic Sampler: 48 hours	HW
Oil & Grease/ Heavy Oils	50	AG/ CG, TC	None	—	28 Days	HW
OP Pest/ Triazines/ Carbamates/ Phenoxy Acids/ DRO/ TPH/ PAH	50	AG/ CG, TC	None	—	14 Days	HW
PCBs	50	AG/ CG, TC	None	—	Indefinite	HW
TCLP/ SPLP	200	AG, CG	None	—	14 Days	HW
PFAS - EPA 1633	1 x 250	PJ	None	—	28 Days	HW

Inorganic: Soil						
Analytical Parameter	Min. Vol. (ml)	** Container	Preservative	Holding Time		
				Preserved	Unpreserved	Sample Type
TKN/ Carbon (TOC)	50	AG, CG	None	—	28 Days	HW
Anions (Br, Cl, F, NO ₃ , NO ₂ , PO ₄ , SO ₄)	100	AG, CG	None	—	30 Days	HW
Cyanide (CN), WAD	50	AG, CG	None	—	14 Days	HW
Cations (Ca, Mg, Na, K)	100	AG, CG	None	—	180 Days as req'd	HW
Chromium VI	100	AG, CG	None	—	30 Days as req'd	HW
Metals/ HWSB/ SAR	50	AG, CG	None	—	180 Days as req'd	HW
Mercury	100	AG, CG	None	—	28 Days as req'd	HW
pH, Conductivity	100	AG	None	—	30 Days	HW
ORP/ Ignitability	100	AG, CG	None	—	24 Hours as req'd	HW
Particle Size	100	AG, CG	None	—	—	HW
TCLP	200	AG, CG	None	—	14 Days	HW

For more detailed sampling instructions or for specific parameters within packages, please contact AGAT Laboratories or email: info@agatlabs.com

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.

* 1N-NaOH/ Ammonium buffer

** Teflon lined (TL) required and no headspace recommended for all organic containers.

*** Teflon-free container ONLY.

**** 800 mL in a 1L AG bottle

***** 5 g of soil in methanol or hermetic sampler is required for analysis, an additional 50ml soil jar is required for moisture content.

Container Codes

AG/AV – Amber Glass/Vial

NH – No Headspace

TL – Teflon Lined Cap

PB – Plastic Bottle

PJ – Plastic Jar

PE – Plastic Bag

SV – Septum Vial

CG – Clear Glass

Container Codes

SDW – Safe Drinking Water

WW – Waste Water

HW – Hazardous Waste

Rush Charges and Times			Example Calculations
Turn-Around Time	Surcharge	Receivable Information	Results Deliverable Due By
< 24 Hours	200%	Monday before 9:00 AM	Tuesday by 9:00 AM
Next Business Day	100%	Monday before 3:00 PM	Tuesday by 8:00 PM
Two Business Days	50%	Monday before 9:00 AM	Wednesday by 8:00 PM
Three Business Days	25%	Monday before 9:00 AM	Thursday by 8:00 PM
5 - 7 Business Days	0%	Monday before 9:00 AM	Wednesday of the following week by 8:00 PM