



Wastewater, Recycled Water, Storm Water & Ground Water Program Work - Including Subcontracted Analytical Specifics

Analysis	Test Method	PQL(s)	Bottle Size/Type	Preservation	Hold Time	Sub	Lab Dept.
Acidity	SM2310B	2mg/l	500ml Poly	None	14days		Wet Chem
Alkalinity - Total	SM2320B	5mg/l	500ml Poly	None	14days		Wet Chem
Alkalinity - Bicarbonate	SM2320B	5mg/l	500ml Poly	None	14days		Wet Chem
Alkalinity - Carbonate	SM2320B	5mg/l	500ml Poly	None	14days		Wet Chem
Alkalinity - Hydroxide	SM2320B	5mg/l	500ml Poly	None	14days		Wet Chem
Ammonia	SM4500NH3C	0.5mg/l	1 Liter Poly	H2SO4	28days		Wet Chem
Ammonia as Nitrogen	SM4500NH3C	0.2mg/l	1 Liter Poly	H2SO4	28days		Wet Chem
Ammonia Unionized	EPA600	0.5ug/l	500ml Poly	H2SO4	28days		Wet Chem
Ammonium	Various	Click Here	1/2 Gallon Poly	H2SO4	14days		Wet Chem
Asbestos	100.2	Sub	2 x 1 Liter Amber Glass	None	48hrs	*	NA
Acute Bioassay 96hr by Rainbow Trout	EPA600/4-90-027	% survival	2 x 2.5 Gallon Cubitainer	None	36hrs		Bioassay
Biological Oxygen Demand (BOD)	SM5210B	5mg/l	1/2 Gallon Poly	None	48hrs		Wet Chem
Carbonaceous BOD	SM5210B	5mg/l	1/2 Gallon Poly	None	48hrs		Wet Chem
Chemical Oxygen Demand (COD)	SM5220D	10mg/l	500ml Poly	H2SO4	28days		Wet Chem
Chlorophyll(a)	SM1020	0.01mg/l	1 Liter Brown Poly	None	72hrs		Wet Chem
Chloramines	SM4500-CLF	0.1mg/l	500ml Amber Glass	None	15minutes		Wet Chem
Chlorine - Total Residual	SM4500-CLF	0.1mg/l	500ml Amber Glass	None	15minutes		Wet Chem
Chlorine - Free Residual	SM4500-CLF	0.1mg/l	500ml Amber Glass	None	15minutes		Wet Chem
Coliform - Fecal Streptococcus	SM9230	2 MPN	100ml Sterile Poly	Na2S2O3	6hrs		Wet Chem
Coliform - Enterococcus	SM9230	1 MPN	100ml Sterile Poly	Na2S2O3	6hrs		Wet Chem
Coliform - Total (MPN)	SM9221	2 MPN	100ml Sterile Poly	Na2S2O3	6hrs		Wet Chem
Coliform - Fecal (MPN)	SM9221	2 MPN	100ml Sterile Poly	Na2S2O3	6hrs		Wet Chem
Coliform - Total/Fecal (MPN)	SM9221	2 MPN	100ml Sterile Poly	Na2S2O3	6hrs		Wet Chem
Coliform - Het. Plate Count	SM9215B	2 MPN	100ml Sterile Poly	Na2S2O3	8hrs		Wet Chem
Conductivity	EPA120.1	20umhos/cm	250ml Poly	None	28days		Wet Chem
Dissolved Oxygen	SM4500-OG	0.1mg/l	500ml Amber Glass	None	15minutes		Wet Chem
Giardia / Cryptosporidium	1623	NA	Call	None	36hrs	*	NA
Methyl Blue Active Substances (MBAS)	SM5540C	0.05mg/l	500ml Poly	None	48hrs		Wet Chem
pH	SM4500 H+B		250ml Poly	None	15minutes		Wet Chem
Phosphate as P	SM4500-PE	0.04mg/l	500ml Poly	H2SO4	28days		Wet Chem
Phosphate - Total	SM4500	0.1mg/l	500ml Poly	H2SO4	28days		Wet Chem
Phosphorus as PO4	SM4500	0.1mg/l	500ml Poly	H2SO4	28days		Wet Chem
Phosphorus - Organic	SM4500	0.1mg/l	500ml Poly	H2SO4	28days		Wet Chem
Phosphorus - Total	SM4500	0.1mg/l	500ml Poly	H2SO4	28days		Wet Chem

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Salmonella	EPA1620	MPN	100ml Sterile Poly	Na2S2O3	24hrs	*	NA
Salinity	SM2520	2g/kg	500ml Poly	None	28days		Wet Chem
Solids - Fixed Dissolved	EPA160.4	10mg/l	500ml Poly	None	7days		Wet Chem
Solids - Fixed Suspended	EPA160.4	1mg/l	500ml Poly	None	7days		Wet Chem
Solids - Settleable	SM2540F	0.1ml/hr	1 Liter Poly	None	48hrs		Wet Chem
Solids - Total Dissolved	SM2540C	10mg/l	500ml Poly	None	7days		Wet Chem
Solids - Total Fixed	EPA160.4	1mg/l	500ml Poly	None	7days		Wet Chem
Solids - Total	SM2540B	10mg/l	1 Liter Poly	None	7days		Wet Chem
Solids - Total Suspended	SM2540D	1mg/l	1 Liter Poly	None	7days		Wet Chem
Solids - Total Volatile	EPA160.4	1mg/l	500ml Poly	None	7days		Wet Chem
Solids - Volatile Dissolved	EPA160.4	5mg/l	500ml Poly	None	7days		Wet Chem
Solids - Volatile Suspended	EPA160.4	1mg/l	500ml Poly	None	7days		Wet Chem
Total Kjeldahl Nitrogen (TKN)	SM4500 - NoB	1mg/l	1 Liter Poly	H2SO4	28days		Wet Chem
Turbidity	EPA180.1	0.1NTU	500ml Poly	None	48hrs		Wet Chem

Ag - Silver by ICP	EPA200.7	10ug/l	500ml Poly	HNO3	180days		Inorganics
Ag - Silver by ICPMS	EPA200.8	0.1ug/l	500ml Poly	None	180days		Inorganics
Al - Aluminum by ICP	EPA200.7	50ug/l	500ml Poly	HNO3	180days		Inorganics
Al - Aluminum by ICPMS	EPA200.8	10ug/l	500ml Poly	None	180days		Inorganics
As - Arsenic by GFAA	EPA200.9	2ug/l	500ml Poly	HNO3	180days		Inorganics
As - Arsenic by ICPMS	EPA200.8	0.5ug/l	500ml Poly	None	180days		Inorganics
B - Boron by ICP	EPA200.7	50ug/l	500ml Poly	HNO3	180days		Inorganics
B - Boron by ICPMS	EPA200.8	50ug/l	500ml Poly	None	180days		Inorganics
Ba - Barium by ICP	EPA200.7	10ug/l	500ml Poly	HNO3	180days		Inorganics
Ba - Barium by ICPMS	EPA200.8	0.5ug/l	500ml Poly	None	180days		Inorganics
Be - Beryllium by ICP	EPA200.7	1ug/l	500ml Poly	HNO3	180days		Inorganics
Be - Beryllium by ICPMS	EPA200.8	0.1ug/l	500ml Poly	None	180days		Inorganics
Ca - Calcium by ICP	EPA200.7	1mg/l	500ml Poly	HNO3	180days		Inorganics
Cd - Cadmium by ICP	EPA200.7	1ug/l	500ml Poly	HNO3	180days		Inorganics
Cd - Cadmium by ICPMS	EPA200.8	0.1ug/l	500ml Poly	None	180days		Inorganics
Chlorate	EPA300.0	Sub	500ml Poly	None	28days	*	NA
Chloride	EPA300.0	0.5mg/l	500ml Poly	None	28days		Inorganics
Chlorite	EPA300.0	Sub	1 Liter Brown Poly	EDA	14 days	*	NA
Co - Cobalt by ICP	EPA200.7	10ug/l	500ml Poly	HNO3	180days		Inorganics
Co - Cobalt by ICPMS	EPA200.8	0.1ug/l	500ml Poly	None	180days		Inorganics
Cr - Chromium by ICP	EPA200.7	10ug/l	500ml Poly	HNO3	180days		Inorganics
Cr - Chromium by ICPMS	EPA200.8	0.5ug/l	500ml Poly	None	180days		Inorganics
Cr6 (Hexavalent Chromium)	SM3500-CrB	10ug/l	250ml Poly	Ammonium Sulfate Buffer	28days		Inorganics
Cu - Copper by ICP	EPA200.7	20ug/l	500ml Poly	HNO3	180days		Inorganics
Cu - Copper by ICPMS	EPA200.8	0.5ug/l	500ml Poly	None	180days		Inorganics
Cyanide	SM4500-CRB	20ug/l	250ml Brown Poly	NaOH	14days		Inorganics
Cyanide - Amenable	SM4500-CNG	20ug/l	250ml Brown Poly	NaOH	14days		Inorganics

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Dissolved Organic Carbon (DOC)	SM5310C	1mg/l	125ml Amber Glass	None	28days		Inorganics
Fe - Iron by ICP	EPA200.7	100ug/l	500ml Poly	HNO3	180days		Inorganics
Fe - Iron by ICPMS	EPA200.8	10ug/l	500ml Poly	None	180days		Inorganics
Fluoride	EPA300.0	100ug/l	500ml Poly	None	28days		Inorganics
Fluorine	EPA340.2	Sub	500ml Poly	None	28days		Inorganics
Gross Alpha (Radiological)	EPA900.0	Sub	500ml Poly	HNO3	180days	*	NA
Gross Beta (Radiological)	EPA900.0	Sub	500ml Poly	HNO3	180days	*	NA
Hardness - Total	SM2340B	Click Here	500ml Poly	HNO3	180days		Inorganics
Hg - Mercury	EPA245.1	1ug/l	500ml Poly	HNO3	28days		Inorganics
Hg - Mercury (Low Level)	EPA245.1	0.02ug/l	500ml Poly	HNO3	28days		Inorganics
Ignitability - Flashpoint	EPA1010	40.0° F	250ml Amber Glass	None	180days		Inorganics
K - Potassium by ICP	EPA200.7	0.1mg/l	500ml Poly	HNO3	180days		Inorganics
Mg - Magnesium by ICP	EPA200.7	0.1mg/l	500ml Poly	HNO3	180days		Inorganics
Mn - Manganese by ICP	EPA200.7	20ug/l	500ml Poly	HNO3	180days		Inorganics
Mn - Manganese by ICPMS	EPA200.8	5ug/l	500ml Poly	None	180days		Inorganics
Mo - Molybdenum by ICP	EPA200.7	50ug/l	500ml Poly	HNO3	180days		Inorganics
Mo - Molybdenum by ICPMS	EPA200.8	0.25ug/l	500ml Poly	None	180days		Inorganics
Na - Sodium by ICP	EPA200.7	0.1mg/l	500ml Poly	HNO3	180days		Inorganics
Ni - Nickel by ICP	EPA200.7	10ug/l	500ml Poly	HNO3	180days		Inorganics
Ni - Nickel by ICPMS	EPA200.8	0.5ug/l	500ml Poly	None	180days		Inorganics
Nitrate	EPA300.0	1mg/l	500ml Poly	None	48hrs		Inorganics
Nitrate as N	EPA300.0	0.2mg/l	500ml Poly	None	48hrs		Inorganics
Nitrite	EPA300.0	1mg/l	500ml Poly	None	48hrs		Inorganics
Nitrite as N	EPA300.0	0.2mg/l	500ml Poly	None	48hrs		Inorganics
Orthophosphate	EPA300.0	0.3mg/l	500ml Poly	None	48hrs		Inorganics
Pb - Lead by ICP	EPA200.7	50ug/l	500ml Poly	HNO3	180days		Inorganics
Pb - Lead by GFAA	EPA200.9	5ug/l	500ml Poly	HNO3	180days		Inorganics
Pb - Lead by ICPMS	EPA200.8	0.25ug/l	500ml Poly	None	180days		Inorganics
Perchlorate	EPA314.0	2ug/l	500ml Poly	None	28days		Inorganics
Phosphate	EPA300.0	0.3mg/l	500ml Poly	None	48hrs		Inorganics
Radium 226 (Radiological)	EPA903	Sub	1 Liter Poly	HNO3	180days	*	NA
Radium 228 (Radiological)	EPA904	Sub	1 Liter Poly	HNO3	180days	*	NA
Sb - Antimony by GFAA	EPA200.9	6ug/l	500ml Poly	HNO3	180days		Inorganics
Sb - Antimony by ICPMS	EPA200.8	0.5ug/l	500ml Poly	None	180days		Inorganics
Se - Selenium by GFAA	EPA200.9	5ug/l	500ml Poly	HNO3	180days		Inorganics
Se - Selenium by ICPMS	EPA200.8	1ug/l	500ml Poly	None	180days		Inorganics
Si - Silica	SM4500SiO2 D	1mg/l	500ml Poly	None	28days		Inorganics
Si - Silica by ICP	EPA200.7	Sub	500ml Poly	HNO3	180days	*	NA
Sn - Tin by ICP	EPA200.7	50ug/l	500ml Poly	HNO3	180days		Inorganics
Sodium Absorption Ratio (SAR)	Various	Click Here	1 Liter Poly	None	14days		Inorganics
Sr - Strontium by ICP	EPA200.7	50ug/l	500ml Poly	HNO3	180days		Inorganics
Strontium 90	EPA905	Sub	1 Liter Poly	HNO3	180days		NA
Sulfate	EPA300.0	0.5mg/l	500ml Poly	None	28days		Inorganics

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Sulfide	SM4500	Sub	500ml Amber Glass	ZnAcetate/NaOH	7days	*	NA
Tannins & Lignins	SM5550B	0.5mg/l	500ml Poly	None	180days		Inorganics
TI - Thallium by GFAA	EPA200.9	1ug/l	500ml Poly	HNO3	180days		Inorganics
TI - Thallium by ICPMS	EPA200.8	0.1ug/l	500ml Poly	None	180days		Inorganics
Total Organic Carbon (TOC)	SM5310C	1mg/l	2 x 40ml Amber VOA	H3PO4	28days		Inorganics
Total Inorganic Carbon (TIC)	SM5310C	5mg/l	2 x 40ml Amber VOA	None	28days		Inorganics
Tritium (Radiological)	EPA906	Sub	125ml Amber Glass	None	180days	*	NA
Uranium by ICPMS	EPA200.8	Sub	500ml Poly	None	180days	*	NA
Uranium	EPA908	Sub	500ml Poly	HNO3	180days	*	NA
V - Vanadium by ICP	EPA200.7	10ug/l	500ml Poly	HNO3	180days		Inorganics
V - Vanadium by ICPMS	EPA200.8	1ug/l	500ml Poly	None	180days		Inorganics
Zn - Zinc by ICP	EPA200.7	50ug/l	500ml Poly	HNO3	180days		Inorganics
Zn - Zinc by ICPMS	EPA200.8	5ug/l	500ml Poly	None	180days		Inorganics

608 Organochlorinated Pesticides/PCBs	EPA608	Click Here	2 x 1 Liter Amber Glass	None	7days		Organics
8081/8082 Organo Pesticides /PCBs	EPA8081/8082	Click Here	2 x 1 Liter Amber Glass	None	7days		Organics
610 Polynuclear Aromatics	EPA610	Sub	2 x 1 Liter Amber Glass	None	7days	*	NA
614 Organophosphorus Pesticides	EPA614	Click Here	2 x 1 Liter Amber Glass	None	7days		Organics
8141 Organophosphorus Pesticides	EPA8141	Click Here	2 x 1 Liter Amber Glass	None	7days		Organics
8151 Chlorinated Herbicides	EPA8151	Click Here	2 x 1 Liter Amber Glass	None	7days		Organics
624 Volatile Organics	EPA624	Click Here	4 x 40ml VOA Vial	HCL	14days		Organics
624 California Toxic Rule List	EPA624	Click Here	4 x 40ml VOA Vial	Unpreserved	72hrs		Organics
8260 Volatile Organics	EPA8260	Click Here	4 x 40ml VOA Vial	HCL	14days		Organics
625 Semivolatile Organics	EPA625	Click Here	2 x 1 Liter Amber Glass	None	7days		Organics
8270 Semivolatile Organics	EPA8270	Click Here	2 x 1 Liter Amber Glass	None	7days		Organics
625 Polynuclear Aromatics	EPA625SIM	Click Here	2 x 1 Liter Amber Glass	None	7days		Organics
8270 Polynuclear Aromatics	EPA8270	Click Here	2 x 1 Liter Amber Glass	None	7days		Organics
625 Phenols - Speciated	EPA625	Click Here	2 x 1 Liter Amber Glass	None	7days		Organics
8270 Phenols - Speciated	EPA8270	Click Here	2 x 1 Liter Amber Glass	None	7days		Organics
531.1 Carbamate Pesticides	EPA531.1	Click Here	2 x 125ml Amber Glass	Monochloroacetic acid	28days		Organics
Pharmaceutical Pollutants	EPA1666(Purge/Trap)	Click Here	4 x 40ml VOA	HCL	14days		Organics
Pharmaceutical Pollutants	EPA1666(Dir. Inject)	Sub	4 x 40ml VOA	None	7days	*	NA
547 Glyphosate	EPA547	10ug/l	2 x 125ml Amber Glass	None	14days		Organics
549.2 Diquat	EPA549.2	2ug/l	1 Liter Brown Poly	None	7days		Organics
Dioxin / Furans	EPA1613	Sub	2 x 1 Liter Amber Glass	None	365days	*	Sub
Oil & Grease	EPA1664	5mg/l	2 x 1 Liter Amber Glass	H2SO4	28days		Organics
Oil & Grease - Silica Gel Cleanup	EPA1664	5mg/l	2 x 1 Liter Amber Glass	H2SO4	28days		Organics
Phenol - Total	EPA420.1	1ug/l	2 x 1 Liter Amber Glass	H2SO4	28days		Organics
TPH - Aviation Gas	EPA8015GRO	50ug/l	2 x 1 Liter Amber Glass	None	14days		Organics
TPH - Biodiesel	EPA8015DRO	250ug/l	2 x 1 Liter Amber Glass	None	14days		Organics
TPH - Bunker Oil	EPA8015BORO	100ug/l	2 x 1 Liter Amber Glass	None	14days		Organics

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TPH - Diesel & Motor Oil	EPA8015	Click Here	2 x 1 Liter Amber Glass	None	14days		Organics
TPH - Gas	EPA8260GRO	50ug/l	4 x 40ml VOA Vial	HCL	14days		Organics
TPH - Gasoline, BTEX, MTBE, 5 Oxys	EPA8260B	Click Here	4 x 40ml VOA Vial	HCL	14days		Organics
TPH - Hydraulic Oil	EPA8015DRO	100ug/l	2 x 1 Liter Amber Glass	None	14days		Organics
TPH - Insulating Oil	EPA8015IORO	100ug/l	2 x 1 Liter Amber Glass	None	14days		Organics
TPH - Jet Fuel	EPA8015GRO	50ug/l	2 x 1 Liter Amber Glass	None	14days		Organics
TPH - Kerosene	EPA8015DRO	50ug/l	2 x 1 Liter Amber Glass	None	14days		Organics
TPH - Mineral Oil	EPA8015MORO	100ug/l	2 x 1 Liter Amber Glass	None	14days		Organics
TPH - Stoddard	EPA8015MORO	100ug/l	2 x 1 Liter Amber Glass	None	14days		Organics
TPH - Vegetable Oil	EPA8015DRO	250ug/l	2 x 1 Liter Amber Glass	None	14days		Organics
Trihalomethanes (TTHM)	EPA624	0.5ug/l	3 x 40ml VOA	Na2S2O3	14days		Organics
Tributyltin	Battelle	Sub	2 x 1 Liter Amber Glass	None	35days	*	Sub