

# ANALYTES

available for testing

Accreditation codes

WS = water supply, drinking water, potable water

WP = wastewater, general water quality, ODA

OK = Oklahoma DEQ

ODA = Oklahoma Department of Agriculture

KS = Kansas DHE

TX = Texas CEQ

Analyte	NELAC Analyte Code	Analysis Type	Test Method	NELAP Method Code	Accreditation
Acid digestion of aqueous samples and extracts for total metals	1401	Prep			
Alkalinity, bicarbonate (as CaCO <sub>3</sub> )	1506	Titration	SM 2320 B	20045403	
Alkalinity, carbonate (as CaCO <sub>3</sub> )	1507	Titration	SM 2320 B	20045403	
Alkalinity, hydroxide (as CaCO <sub>3</sub> )	1509	Titration	SM 2320 B	20045403	
Alkalinity, total (as CaCO <sub>3</sub> )	1505	Titration	SM 2320 B	20045403	WS (OK), WP (OK)
Aluminum	1000	ICP-MS	EPA 200.8	10014605	
Ammonia distillation	1404	Prep			
Ammonium	1517	IC-COND (cation)	ASTM D6919-03	30032907	
Antimony	1005	ICP-MS	EPA 200.8	10014605	WS (OK)
Arsenic	1010	ICP-MS	EPA 200.8	10014605	WS (OK)
Barium	1015	ICP-MS	EPA 200.8	10014605	WS (OK)
Beryllium	1020	ICP-MS	EPA 200.8	10014605	WS (OK)
BOD5	1530	Demand	SM 5210 B	20135006	WP (OK)
Boron	1025	ICP-MS	EPA 200.8	10014605	
Bromide	1540	IC-COND (anion)	EPA 300.1	10053608	
Cadmium	1030	ICP-MS	EPA 200.8	10014605	WS (OK)
Calcium	1035	IC-COND (cation)	ASTM D6919-03	30032907	WS (OK), WP (OK)
Carbon dioxide	1515	Electrode-CO <sub>2</sub>	CO <sub>2</sub> ISE, vendor-specific	None	

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CBOD5	1555	Demand	SM 5210 B	20135006	WP (OK)
Chemical oxygen demand (COD)	1565	Demand	SM 5220 D		
Chloride	1575	IC-COND (anion)	EPA 300.0	10053200	WP (OK)
Chlorine	1580	Spectroscopy	SM 4500 Cl-G	20081407	
Chlorine, free	1740	Spectroscopy	SM 4500 Cl-G	20081407	
Chlorine, measured in lab for field sample		Spectroscopy	SM 4500 Cl-G	20081407	
Chlorine, residual free	1945	Spectroscopy	SM 4500 Cl-G	20081407	
Chlorine, residual total	1940	Spectroscopy	SM 4500 Cl-G	20081407	
Chromium	1040	ICP-MS	EPA 200.8	10014605	WS (OK)
Cobalt	1050	ICP-MS	EPA 200.8	10014605	
Coliform, E. coli, presence/absence	2525	Microbiology	SM 9223 B (Colilert)	20212402	WS (OK)
Coliform, E. coli, quantified		Microbiology	SM 9223 B (Colilert Quanti-Tray)	20211409	
Coliform, total, presence/absence	2500	Microbiology	SM 9223 B (Colilert)	20212402	WS (OK)
Coliform, total, quantified		Microbiology	SM 9223 B (Colilert Quanti-Tray)	20211409	
Conductivity	1610	Electrode-Conductivity	SM 2510 B	20048402	WS (OK), WP (OK)
Copper	1055	ICP-MS	EPA 200.8	10014605	WS (OK)
Fecal coliform	2530	Microbiology	SM 9223 B (Colilert®-18 Quanti-Tray®) 21st ED	20213405	ODA only
Fluoride	1730	IC-COND (anion)	EPA 300.0	10053200	WS (OK), WP (OK)
Gold	1060	ICP-MS	EPA 200.8	10014605	
Hardness, Calcium (as CaCO3)	1550	IC-COND (cation)	SM 2340 B	20046406	
Hardness, Magnesium (as CaCO3)		IC-COND (cation)	SM 2340 B	20046406	

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Hardness, total (as CaCO3)	1755	IC-COND (cation)	SM 2340 B	20046406	WP (OK)
Heterotropic plate count	2555	Microbiology			
Hydrogen sulfide		Electrode-Sulfide	Ag/Sulfide ISE, vendor-specific	None	
Iridium	1065	ICP-MS	EPA 200.8	10014605	
Iron	1070	ICP-MS	EPA 200.8	10014605	
Langelier index	1800	Calculation			
Lead	1075	ICP-MS	EPA 200.8	10014605	WS (OK)
Lithium	1080	IC-COND (cation)	ASTM D6919-03	30032907	
Magnesium	1085	IC-COND (cation)	ASTM D6919-03	30032907	WS (OK), WP (OK)
Manganese	1090	ICP-MS	EPA 200.8	10014605	
Mercury	1095	ICP-MS	EPA 200.8	10014605	WS (OK)
Metals sample prep	1424	Prep			
Molybdenum	1100	ICP-MS	EPA 200.8	10014605	
Nickel	1105	ICP-MS	EPA 200.8	10014605	WS (OK)
Nitrate (as N)	1805	IC-COND (anion)	EPA 300.0	10053200	WS (OK), WP (OK)
Nitrite (as N)	1835	IC-COND (anion)	EPA 300.0	10053200	WS (OK), WP (OK)
Nitrogen, Ammonia-N		Electrode-NH3	SM 4500-NH3 D	20119000	WP (OK)
Nitrogen, inorganic (nitrate+nitrite)	1783	Calculation	Calculated	None	
Nitrogen, Kjeldahl (TKN)	1795	Electrode-NH3	SM 4500-Norg B	20119000	WP (OK)
Nitrogen, organic (TKN-ammonia)	1865	Calculation	SM 4500-Norg B	20119000	WP (OK)
Nitrogen, total (organic+inorganic+ammonia)	1827	Calculation	Calculated	None	

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Osmium	1110	ICP-MS	EPA 200.8	10014605	
Oxygen, dissolved	1880	Electrode-O2	SM 4500-O G	None	
Palladium	1115	ICP-MS	EPA 200.8	10014605	
pH	1900	Electrode-pH	SM 4500-H+ B	20105004	WS (OK), WP (OK)
Phosphate, o- (as P)	1870	IC-COND (anion)	EPA 300.0	10053200	WS (OK), WP (OK)
Phosphorus, total	1910	Spectroscopy	SM 4500-P E	20123802	WP (OK)
Phosphorus, total (digestion)	1436	Prep			
Platinum	1120	ICP-MS	EPA 200.8	10014605	
Potassium	1125	IC-COND (cation)	ASTM D6919-03	30032907	WP (OK)
Rhodium	1130	ICP-MS	EPA 200.8	10014605	
Salinity (E <sub>cw</sub> )	1975	Calculation	SM 2520 B	20004006	
SAR	8041	Calculation	OPSU 001	None	
SAR, adjusted		Calculation	OPSU 001	None	
Selenium	1140	ICP-MS	EPA 200.8	10014605	WS (OK)
Silver	1150	ICP-MS	EPA 200.8	10014605	
Sodium	1155	IC-COND (cation)	ASTM D6919-03	30032907	WS (OK), WP (OK)
Solids, nonfilterable residue, total suspended (TSS)	1960	Solids	SM 2540 D	20051007	WP (OK)
Solids, total dissolved (TDS), estimated from conductivity		Solids	SM 2510 B	20048402	
Solids, total dissolved solids (TDS), measured gravimetrically	1705	Solids	SM 2540 C	20050208	
Solids, total residue (TS)	1950	Solids	SM 2540 B	20049201	WP (OK)
Sulfate	2000	IC-COND (anion)	EPA 300.0	10053200	WP (OK)

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Temperature	2030	Thermometer	SM 2550 B	20053003	WP (OK)
Thallium	1165	ICP-MS	EPA 200.8	10014605	WS (OK)
Tin	1175	ICP-MS	EPA 200.8	10014605	
Titanium	1180	ICP-MS	EPA 200.8	10014605	
TKN Digestion & Distillation	1462	Prep			
Turbidity	2055	Spectroscopy	EPA 180.1	10011800	WS (OK)
Vanadium	1185	ICP-MS	EPA 200.8	10014605	
Zinc	1190	ICP-MS	EPA 200.8	10014605	