

Parameters	Approx RL	Possible Methods (others may be appropriate, and lab may use different methods for some parameters than those listed)
Microorganisms		
Total Coliforms (including fecal coliform and E. coli)	P/A, MPN	SM 9225 or SM 9221B
Turbidity	0.10 NTU	EPA 180.1
Iron Bacteria		Field Test Kits
Inorganic Chemicals (for metals, both total and dissolved)		
Antimony	1 ug/l	EPA 200.8
Arsenic	0.5 ug/l	EPA 200.8
Barium	0.5 ug/l	EPA 200.8
Beryllium	0.5 ug/l	EPA 200.8
Cadmium	0.2 ug/l	EPA 200.8
Chromium (total)	0.5 ug/l	EPA 200.8
Hexavalent Chromium	0.01 mg/l	EPA 218.6 or SM 4500CR-D
Copper	0.5 ug/l	EPA 200.8
Fluoride	0.1 mg/l	SM 4500F-C
Lead	0.2 ug/l	EPA 200.8
Mercury (inorganic)	0.2 ug/l	EPA 245.1
Nitrate (measured as Nitrogen)	0.05 mg/l	EPA 300.0A, 353.2
Nitrite (measured as Nitrogen)	0.05 mg/l	EPA 300.0A, 353.2
Total Nitrate/Nitrite (as Nitrogen)	0.05 mg/l	EPA 300.0A, 353.2
Selenium	0.5 ug/l	EPA 200.8
Thallium	0.1 ug/l	EPA 200.8
Aluminum	1 ug/l	EPA 200.7 or 200.8
Chloride	1.0 mg/l	EPA 300.0A
Iron	0.05 mg/l	EPA 200.7 or 200.8
Manganese	0.010 mg/l	EPA 200.7 or 200.8
pH	0.01 units	EPA 150.1 or SM 4500H
ORP (oxidation-reduction potential)		Field test
Silver	0.2 ug/l	EPA 200.8
Sulfate	1.0 mg/l	EPA 300.0A
Total Dissolved Solids	5 mg/l	SM 2540C
Zinc	0.25 ug/l	EPA 200.8
Nickel	0.05 ug/l	EPA 200.8
Sodium	0.5 mg/l	EPA 200.7 or 200.8
Boron	0.5 ug/l	EPA 200.7 or 200.8
Vanadium	1.4 ug/l	EPA 200.8
Alkalinity	1.0 mg/l	2320B
Ammonia	0.1 mg/l	4500-NH ₃ C
Uranium (total)	0.5 ug/l	EPA 200.8
Dissolved oxygen	0.2 mg/l	4500-O G
Organic Chemicals, VOC's (Volatile Organic Compounds)		
Benzene	1.0 ug/l	EPA 524.2
Ethylbenzene	1.0 ug/l	EPA 524.2
Styrene	1.0 ug/l	EPA 524.2
Toluene	1.0 ug/l	EPA 524.2
Xylenes (total)	2.0 ug/l	EPA 524.2
Methyl-tert-butyl-ether (MTBE)	10 ug/l	EPA 524.2
t-Butyl Alcohol	100 ug/L	EPA 524.2
Chloroform	1.0 ug/l	EPA 524.2
Bromoform	1.0 ug/l	EPA 524.2
Bromodichloromethane	1.0 ug/l	EPA 524.2
Dibromochloromethane	1.0 ug/l	EPA 524.2
Bromobenzene	1.0 ug/l	EPA 524.2

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1,2,4-Trimethylbenzene	1.0 ug/l	EPA 524.2
n-Propylbenzene	1.0 ug/l	EPA 524.2
n-Butylbenzene	1.0 ug/l	EPA 524.2
Naphthalene	1.0 ug/l	EPA 524.2
1,3,5-Trimethylbenzene	1.0 ug/l	EPA 524.2
p-Isopropyltoluene	1.0 ug/l	EPA 524.2
Isopropylbenzene	1.0 ug/l	EPA 524.2
Tert-butylbenzene	1.0 ug/l	EPA 524.2
Sec-butylbenzene	1.0 ug/l	EPA 524.2
Total Organic Carbon (TOC)	1.0 mg/L	5310B
Methane, ethane, and ethene	1 mg/L	RSK-175 or equivalent
Radionuclides		
gross alpha and beta	2 pCi/l	EPA 900.0 or SW-846 9310
OTHER		
Total sulfide	2 mg/l	4500-S2- D or 376.2
GRO and DRO/RRO	0.5 mg/l	EPA 8015B or equivalent

For Method 524.2 or equivalent, include tentatively-identified compounds
For all organic methods (except TOC) include chromatograms in the data package

*Information provided by John Huntington, Ph.D., Gateway Enterprises (GWE),
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