

DRINKING WATER PARAMETERS

METALS			
ANALYTE	METHOD	TECHNIQUE	ROUTINE REPORTING LIMIT
ALUMINUM	EPA 200.7	ICP	100 µg/l
ANTIMONY	EPA 200.9	GFAA, PLATFORM	2 µg/l
ARSENIC	EPA 200.9	GFAA, PLATFORM	2 µg/l
BARIIUM	EPA 200.7	ICP	10 µg/l
BERYLLIUM	EPA 200.7	ICP	1 µg/l
CADMIUM	EPA 200.7	ICP	4 µg/l
CHROMIUM	EPA 200.7	ICP	4 µg/l
MERCURY	EPA 245.1	MANUAL COLD VAPOR	0.2 µg/l
NICKEL	EPA 200.7	ICP	5 µg/l
SELENIUM	EPA 200.9	GFAA, PLATFORM	2 µg/l
SILVER	EPA 200.7	ICP	2 µg/l
THALLIUM	EPA 200.9	GFAA, PLATFORM	2 µg/l
ZINC	EPA 200.7	ICP	30 µg/l
LEAD	EPA 200.9	GFAA, PLATFORM	1 µg/l
COPPER	EPA 200.7	ICP	5 µg/l
IRON	EPA 200.7	ICP	30 µg/l
MANGANESE	EPA 200.7	ICP	4 µg/l
MAGNESIUM	EPA 200.7	ICP	50 µg/l
CALCIUM	EPA 200.7	ICP	50 µg/l
CALCIUM	SM 3500-Ca D	TITRIMETRIC (EDTA)	2.50 mg/l
COPPER	SM 3111B	FLAME AA	0.1 mg/l
IRON	SM 3111B	FLAME AA	0.1 mg/l
MANGANESE	SM 3111B	FLAME AA	0.05 mg/l
POTASIUM	SM 3111B	FLAME AA	0.1 mg/l
SODIUM	SM 3111B	FLAME AA	0.1 mg/l
GENERAL CHEMISTRY:			
ANALYTE	METHOD	TECHNIQUE	ROUTINE REPORTING LIMIT
CYANIDE	SM 4500-CN E	SPECTROPHOTOMETRIC, MANUAL	0.002 mg/l
FLUORIDE	SM 4500-F C	ION SELECTIVE ELECTROD	0.05 mg/l
NITRATE	SM 4500-NO ₃ D	ION SELECTIVE ELECTRODE	1 mg/l
NITRITE	SM 4500-NO ₂ B	SPECTROPHOTOMETRIC	0.005 mg/l
NITRATE/NITRITE	10-107-04-1-A	LACHAT QUICKCHEM METHOD	0.20 mg/l
pH	SM4500H+B	ELECTROMETRIC	N.A.
pH	HACH 10076	Method 10076	N.A.
CONDUCTIVITY	SM 2510 B	SPECIFIC CONDUCTANCE	N.A.
CALCIUM HARDNESS	SM 3500-Ca B	TITRIMETRIC (EDTA)	1 mg/l
HARDNESS, TOTAL	SM 2340 C	TITRIMETRIC (EDTA)	1 mg/l
ALKALINITY	SM 2320 B	TITRIMETRIC	1 mg/l
AMMONIA	SM4500 NH ₃ D	SELECTIVE METHOD	0.05 mg/l
ORTHO PHOSPHATE	SM 4500-P E	COLORIMETRIC, ASCORBIC ACID, SINGLE REAGENT	0.01 mg/l
SILICA	SM 4500-Si D	COLORIMETRIC	0.1 mg/l
TEMPERATURE	SM 2550 B	THERMOMETRIC	N.A.
TURBIDITY	SM 2130 B	NEPHELOMETRIC	0.05 NTU
CHLORINE, TOT. RES.	SM 4500-Cl G	DPD COLORIMETRIC	0.01 mg/l
CHLORINE, FIELD	SM4500CLG	DPD COLORIMETRIC	0.02/0.1 mg/l
CHLORINE, FREE RES.	SM 4500-Cl G	DPD COLORIMETRIC	0.01 mg/l
CHLORIDE	SM 4500-Cl B	ARGENTIOMETRIC	1 mg/l
COLOR	SM 2120 B	COLORIMETRIC	5 CU
ODOR	SM 2150 B	CONSISTENT SERIES	None
FOAMING AGENTS	SM 5540 C	METHYLENE BLUE	0.06 mg/l
SULFATE	SM 4500 SO ₄ ²⁻ E	TURBIDIMETRIC	5 mg/l
TDS	SM 2540 C	GRAVIMETRIC @ 180°C	1 mg/l
TOC	SM5310C	PERSULFATE-UV	0.06 mg/l
PERCHLORATE	EPA314.0	DETERMINATION OF PERCHLORATE USING ION	2 µg/l
ORGANICS			
ANALYTE	METHOD	TECHNIQUE	ROUTINE REPORTING LIMIT
MICROEXTRACTABLES	EPA 504.1	MICROEXTRACTION, GC-ECD	0.01/0.02 µg/l
ORGANOCHLORO PESTICIDES/PCB	EPA 505	MICROEXTRACTION, GC-ECD	0.5 µg/l
VOLATILE ORGANICS	EPA 524.2	PURGE & TRAP, GC/MS	0.5 µg/l
HAA	EPA552.2	DETERMINATION OF HALOACETIC ACIDS AND DALAPON	0.5 µg/l

IN DRINKING WATER

DETECTION LIMITS SUBJECT TO CHANGE DUE TO DILUTIONS