

Legend

ND = Not Detected, absent or present at less than testing method detection level

mg/L = milligram (1/1,000 of a gram) per liter = ppm = parts per million

= compliance w/ less than or equal to the FDA Standard of Quality (allowable level)

pCi/L = picoCuries per liter

NTU = turbidity unit of measurement

umhos = Micromhos, the reciprocal of microohms

TDS = Total Dissolved Solids (minerals)

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DS WATERS – TYPICAL ANALYSIS

TABLE 1: PURIFIED

(All results reported in mg/L (ppm) except as noted)

Water Type Purified FDA Standard of Quality (SOQ)

Inorganic Chemicals

Antimony ND 0.006

Arsenic ND 0.005

Barium ND 1

Beryllium ND 0.004

Bromate ND 0.01

Cadmium ND 0.005

Chlorine, Free ND 5

Chloramine ND 4.5

Chlorine dioxide ND 5

Chlorite ND 1.0

Chromium ND 0.05

Cyanide ND 0.1

Fluoride ND 1.4

Lead ND 0.005

Mercury ND 0.001

Nickel ND 0.1

Nitrate-N ND 10

Nitrite-N ND 1

Total Nitrate +Nitrite ND 10

Selenium ND 0.05

Thallium ND 0.002

Secondary Inorganics

Aluminum ND 0.2

Chloride ND 250

Copper ND 1

Iron ND 0.3

Manganese ND 0.05

Silver ND 0.05

Sulfate ND 250

Total Dissolve Solids (TDS) 5 500

Zinc ND 5

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Water Type Purified FDA Standard of

Quality (SOQ)

Volatile Organic Chemicals (VOCs)

1,1,1-Trichloroethane ND 0.2
1,1,2- Trichloroethane ND 0.005
1,1-Dichloroethylene ND 0.007
1,2,4-Trichlorobenzene ND 0.07
1,2-Dichloroethane ND 0.005
1,2-Dichloropropane ND 0.005
Benzene ND 0.005
Carbon tetrachloride ND 0.005
cis-1,2-Dichloroethylene ND 0.07
Trans-1,2-Dichloroethylene ND 0.1
Ethylbenzene ND 0.7
Methylene chloride
(Dichloromethane)
ND 0.005
Monochlorobenzene ND 0.1
o-Dichlorobenzene ND 0.6
p- Dichlorobenzene ND 0.075
Haloacetic Acids (HAA5) ND 0.06
Styrene ND 0.1
Tetrachloroethylene ND 0.005
Toluene ND 1
Trichloroethylene ND 0.005
Vinyl chloride ND 0.002
Xylenes (total) ND 10
Bromodichloromethane ND No SOQ for individual trihalomethane
contaminants. The sum of the 4
THMs is regulated as total
trihalomethanes (TTHMs)
Chlorodibromomethane ND No SOQ for individual trihalomethane
contaminants. The sum of the 4
THMs is regulated as total
trihalomethanes (TTHMs)
Chloroform ND No SOQ for individual trihalomethane
contaminants. The sum of the 4
THMs is regulated as total
trihalomethanes (TTHMs)
Bromoform ND No SOQ for individual trihalomethane
contaminants. The sum of the 4
THMs is regulated as total
trihalomethanes (TTHMs)
Total Trihalomethanes (TTHMs) ND 0.08

Semivolatile Organic Chemicals (SOCs)

Benzo(a)pyrene ND 0.0002
Di(2-ethylhexyl)adipate
ND 0.4
Di(2-ethylhexyl)phthalate ND NA
Hexachlorobenzene ND 0.001
Hexachlorocyclopentadiene ND 0.05
Total Recoverable Phenolics ND 0.001
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Water Type Purified FDA Standard of Quality (SOQ)

Synthetic Organic Chemicals (SOCs)

2,4,5-TP (Silvex) ND 0.05

2,4-D (Dichlorophenoxy acetic acid) ND 0.07
Alachlor ND 0.002
Aldicarb ND NA
Aldicarb sulfone ND NA
Aldicarb sulfoxide ND NA
Atrazine ND 0.003
Carbofuran ND 0.04
Chlordane ND 0.002
Dalapon ND 0.2
Dibromochloropropane (DBCP) ND 0.0002
Dinoseb ND 0.007
Dioxin ND 3×10^{-8}
Diquat ND 0.02
Endothall ND 0.1
Endrin ND 0.002
Ethylene dibromide ND 0.00005
Glyphosate ND 0.7
Heptachlor ND 0.0004
Heptachlor epoxide ND 0.0002
Lindane ND 0.0002
Methoxychlor ND 0.04
Oxamyl ND 0.2
Pentachlorophenol ND 0.001
Picloram ND 0.5
Polychlorinated biphenyls (PCBs) ND 0.0005
Simazine ND 0.004
Toxaphene ND 0.003

Additional Regulated Contaminants

Methyl tertiary butyl ether (MTBE) ND NA
Naphthalene ND NA
1,1,2,2-Tetrachloroethane ND NA

Radiological Contaminants

Gross Alpha Particle Radioactivity (pCi/L) < 0.3 15
Gross Beta Particle and Photon Radioactivity (pCi/L) < 0.3 50
Radium 226/228 (combined) (pCi/L) < 1 5
Uranium ND 0.030

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Water Type Purified FDA Standard of Quality (SOQ)

Water Properties

Color (UNITS) ND 15
Turbidity (NTU)

ND 5
pH 6.0
Odor (TON) ND 3