

Report Key

This page is intended to help you gain clarity about the contents of your lab report. If you have further questions beyond the scope of this report, please contact us and one of our drinking water specialists will gladly assist you.

REPORT TERMINOLOGY & DEFINITIONS

Parameter: *Specific element, compound, or condition being measured.*

Instrument Limit: *Lowest level of a parameter our instrument can detect (Method Detection Limit).*

***EPA Limit:** *Highest level of a parameter allowable by US-EPA standards.*






mg/L: *Unit of measurement used to describe how many milligrams of a parameter is present in every liter of your water - also referred to as parts per million (ppm).*

ND: *Parameter was not detected in your water sample.*

Parameter Effect: *Illustrates possible effects to your Health, House, or the Aesthetics of your water.*

--: *No EPA limit or acceptable range associated with the parameter.*

LAB RESULT QUALIFIERS

-  **Good:** *Not detected in your water sample, or the measurement falls within EPA acceptable range.*
-  **Fair:** *Concentration is less than half of the EPA limit, if there is a limit listed. If no EPA limit is listed, yellow indicates that we simply detected the parameter in your sample.*
-  **Poor:** *Concentration is greater than half of EPA limit.*
-  **Bad:** *Over EPA limit, or the measurement falls outside of EPA acceptable range.*
-  **Fail:** *Your in-lab bacteria sample (not DIY) arrived at our lab more than 24hrs after collection.*

PARAMETER EFFECTS



Aesthetics: *Concentrations considered higher, or out of range, may affect taste, smell or visual appearance of your water.*



Appliances: *Concentrations considered higher, or out of range, may adversely affect your appliances, plumbing fixtures, etc.*



Health: *Concentrations considered higher, or out of range, may adversely affect your health.*

* EPA limits are established for public utilities and treated water supplies. These standards may be referred to as Action Levels, Maximum Contaminant Levels or Acceptable Ranges. Such standards are also valuable for owners of well water supplies.







Note: Test results within EPA standards do not guarantee the safety of your water supply. Example - Lead has an Action Level of 0.015 ppm. However, no level of Lead is safe to consume. Please refer to the following link to learn more about EPA drinking water standards <https://www.epa.gov/dwreginfo/drinking-water-regulations>.

Test Results

Inorganics

Sample ID: U042222



















Sample Location: Pond

Parameter	Instrument Limit	Your Water	EPA Limit	Units	Effect
Bromide	4	● ND	--	mg/L	
Chloride	2.0	● 18.3	250	mg/L	
Fluoride	0.1	● ND	2.0	mg/L	
Nitrate/Nitrite-N	0.05	● ND	10	mg/L	
Orthophosphate	1.0	● ND	--	mg/L	
Sulfate	1.0	● 6.16	250	mg/L	

Metals

Sample ID: U042222














Sample Location: Pond

Parameter	Instrument Limit	Your Water	EPA Limit	Units	Effect
Aluminum	0.016	● 0.0703	0.2	mg/L	
Antimony	0.006	● ND	0.006	mg/L	
Arsenic	0.004	● ND	0.010	mg/L	
Barium	0.08	● ND	2	mg/L	
Beryllium	0.004	● ND	0.004	mg/L	
Boron	0.04	● ND	--	mg/L	
Cadmium	0.004	● ND	0.005	mg/L	
Calcium	0.2	● 7.45	--	mg/L	
Chromium	0.006	● ND	0.1	mg/L	
Chromium, Hexavalent	0.03	● ND	--	mg/L	
Cobalt	0.01	● ND	--	mg/L	
Copper	0.005	● ND	1.0	mg/L	
Iron	0.03	● 0.565	0.3	mg/L	
Lead	0.006	● ND	0.015	mg/L	
Lithium	0.01	● ND	--	mg/L	
Magnesium	0.5	● 3.17	--	mg/L	
Manganese	0.006	● 0.059	0.05	mg/L	
Molybdenum	0.006	● ND	--	mg/L	

Metals

Sample ID: U042222













Sample Location: Pond

Parameter	Instrument Limit	Your Water	EPA Limit	Units	Effect
Nickel	0.001	● ND	--	mg/L	
Phosphorus	1.0	● ND	--	mg/L	
Potassium	1.0	● 1.03	--	mg/L	
Selenium	0.005	● ND	0.05	mg/L	
Silica	0.15	● 11.8	--	mg/L	
Silicon	0.07	● 5.52	--	mg/L	
Silver	0.003	● ND	0.10	mg/L	
Sodium	1.0	● 10.3	--	mg/L	
Strontium	0.01	● 0.048	--	mg/L	
Thallium	0.002	● ND	0.002	mg/L	
Tin	0.02	● ND	--	mg/L	
Vanadium	0.05	● ND	--	mg/L	
Zinc	0.005	● 0.010	5.0	mg/L	

Physical Properties








Sample ID: U042222

Sample Location: Pond

Parameter	Instrument Limit	Your Water	EPA Limit	Units	Effect
Aggressive Index	--	● 9.4	--	Calculation	
Alkalinity as CaCO3	2.0	● 21.7	--	mg/L as CaCO3	
Bicarbonate	2.0	● 21.7	--	mg/L as CaCO3	
Carbonate	2.0	● ND	--	mg/L as CaCO3	
Conductivity	1.0	● 110	--	µmhos/cm	
Hardness as CaCO3	1.0	● 31.7	180	mg/L	
Langelier Index	--	● -2	--	Calculation	
pH	0.1	● 7.20	6.5-8.5	S.U.	
Ryznar Index	--	● 11.1	--	Calculation	
Tannin-Lignin	1	● ND	--	mg/L Tannic Acid	
TDS	1.0	● 72.8	500	mg/L	
Turbidity	0.1	● 4.86	--	NTU	












Semi-Volatile Organic (Herbicide)

Sample ID: U042222 Sample Location: Pond

Parameter	Instrument Limit	Your Water	EPA Limit	Units	Effect
Alachlor	0.001	● ND	0.002	mg/L	
Butachlor	0.002	● ND	--	mg/L	
Hexachlorobenzene	0.0005	● ND	0.001	mg/L	
Metolachlor	0.001	● ND	--	mg/L	
Metribuzin	0.001	● ND	--	mg/L	
Propachlor	0.001	● ND	--	mg/L	
Simazine	0.001	● ND	0.004	mg/L	



Semi-Volatile Organic (Pesticides)

Sample ID: U042222 Sample Location: Pond

Parameter	Instrument Limit	Your Water	EPA Limit	Units	Effect
Aldrin	0.001	● ND	--	mg/L	
Atrazine	0.001	● ND	0.003	mg/L	
Benzo(a)pyrene-(PAH)	0.0001	● ND	0.0002	mg/L	
Chlordane	0.001	● ND	0.002	mg/L	
Dieldrin	0.001	● ND	--	mg/L	
Endrin	0.001	● ND	0.002	mg/L	
Heptachlor	0.0002	● ND	0.0004	mg/L	
Heptachlor Epoxide	0.0001	● ND	0.0002	mg/L	
Hexachlorocyclopentadiene	0.005	● ND	0.05	mg/L	
Lindane	0.0001	● ND	0.0002	mg/L	
Methoxychlor	0.004	● ND	0.04	mg/L	

Semi-Volatile Organic (Solvent)






Sample ID: U042222 Sample Location: Pond

Parameter	Instrument Limit	Your Water	EPA Limit	Units	Effect
Di(2-ethylhexyl)adipate	0.01	● ND	0.4	mg/L	
Di(2-ethylhexyl)phthalate	0.002	● ND	0.006	mg/L	

THMs

Sample ID: U042222























Sample Location: Pond

Parameter	Instrument Limit	Your Water	EPA Limit	Units	Effect
Bromodichloromethane	0.001	● ND	--	mg/L	
Bromoform	0.001	● ND	--	mg/L	
Chloroform	0.001	● ND	--	mg/L	
Dibromochloromethane	0.001	● ND	--	mg/L	
Total THM	0.001	● ND	0.080	mg/L	

Volatile Organics

Sample ID: U042222
































Sample Location: Pond

Parameter	Instrument Limit	Your Water	EPA Limit	Units	Effect
1,1,1,2-Tetrachloroethane	0.001	● ND	--	mg/L	
1,1,1-Trichloroethane	0.001	● ND	0.2	mg/L	
1,1,2,2-Tetrachloroethane	0.001	● ND	--	mg/L	
1,1,2-Trichloroethane	0.001	● ND	0.005	mg/L	
1,1-Dichloroethane	0.001	● ND	--	mg/L	
1,1-Dichloroethylene	0.001	● ND	0.007	mg/L	
1,1-Dichloropropene	0.001	● ND	--	mg/L	
1,2,3,4-Diepoxybutane	0.1	● ND	--	mg/L	
1,2,3-Trichlorobenzene	0.001	● ND	--	mg/L	
1,2,3-Trichloropropane	0.001	● ND	--	mg/L	
1,2,4-Trichlorobenzene	0.001	● ND	0.07	mg/L	
1,2,4-Trimethylbenzene	0.001	● ND	--	mg/L	
1,2-Dibromo-3-chloropropane	0.005	● ND	--	mg/L	
1,2-Dibromoethane (EDB)	0.005	● ND	--	mg/L	
1,2-Dichloroethane	0.001	● ND	0.005	mg/L	
1,2-Dichloropropane	0.001	● ND	0.005	mg/L	
1,3,5-Trimethylbenzene	0.001	● ND	--	mg/L	
1,3-Dichloro-2-propanol	0.1	● ND	--	mg/L	
1,3-Dichlorobenzene	0.001	● ND	--	mg/L	
1,3-Dichloropropane	0.001	● ND	--	mg/L	
1,4-Dioxane	0.1	● ND	--	mg/L	
1-Chlorobutane	0.1	● ND	--	mg/L	

Volatile Organics

Sample ID: U042222
































Sample Location: Pond

Parameter	Instrument Limit	Your Water	EPA Limit	Units	Effect
1-Chlorohexane	0.1	● ND	--	mg/L	
1-Propanol	0.1	● ND	--	mg/L	
2,2- Dichloropropane	0.001	● ND	--	mg/L	
2-Butanone (MEK)	0.05	● ND	--	mg/L	
2-Chloroethanol	0.05	● ND	--	mg/L	
2-Chloroethyl vinyl ether	0.05	● ND	--	mg/L	
2-Chlorotoluene	0.001	● ND	--	mg/L	
2-Hexanone	0.05	● ND	--	mg/L	
2-Hydroxypropionitrile	0.1	● ND	--	mg/L	
2-methyl-Napthalene	0.001	● ND	--	mg/L	
2-Nitropropane	0.1	● ND	--	mg/L	
2-Pentanone	0.1	● ND	--	mg/L	
2-Picoline	0.1	● ND	--	mg/L	
2-Propanol	0.1	● ND	--	mg/L	
3-Chloropropionitrile	0.1	● ND	--	mg/L	
4-Chlorotoluene	0.001	● ND	--	mg/L	
4-Methyl-2-pentanone (MIBK)	0.05	● ND	--	mg/L	
Acetone	0.05	● ND	--	mg/L	
Acetonitrile	0.05	● ND	--	mg/L	
Acrolein (Propenal)	0.05	● ND	--	mg/L	
Acrylonitrile	0.05	● ND	--	mg/L	
Allyl alcohol	0.1	● ND	--	mg/L	
Allyl chloride	0.1	● ND	--	mg/L	
Benzene	0.001	● ND	0.005	mg/L	
Benzyl Chloride	0.1	● ND	--	mg/L	
Bis(2-chloroethyl)sulfide	0.1	● ND	--	mg/L	
Bromoacetone	0.1	● ND	--	mg/L	
Bromobenzene	0.001	● ND	--	mg/L	
Bromochloromethane	0.001	● ND	--	mg/L	
Bromomethane	0.001	● ND	--	mg/L	
Butyl Acetate	0.001	● ND	--	mg/L	

Volatile Organics

Sample ID: U042222
































Sample Location: Pond

Parameter	Instrument Limit	Your Water	EPA Limit	Units	Effect
Carbon disulfide	0.005	● ND	--	mg/L	
Carbon tetrachloride	0.001	● ND	0.005	mg/L	
Chloral hydrate	0.1	● ND	--	mg/L	
Chloroacetonitrile	0.1	● ND	--	mg/L	
Chlorobenzene	0.001	● ND	0.1	mg/L	
Chloroethane	0.001	● ND	--	mg/L	
Chloromethane	0.001	● ND	--	mg/L	
Chloroprene	0.001	● ND	--	mg/L	
Cis-1,2-Dichloroethylene	0.001	● ND	0.07	mg/L	
cis-1,3-Dichloropropene	0.001	● ND	--	mg/L	
Crotonaldehyde	0.1	● ND	--	mg/L	
Dibromomethane	0.001	● ND	--	mg/L	
Dichlorodifluoromethane	0.001	● ND	--	mg/L	
Dichloromethane (Methylene Chloride)	0.001	● ND	0.005	mg/L	
Diethyl ether	0.1	● ND	--	mg/L	
Diisopropyl ether	0.1	● ND	--	mg/L	
Epichlorohydrin	0.1	● ND	--	mg/L	
Ethanol	0.1	● ND	--	mg/L	
Ethyl acetate	0.001	● ND	--	mg/L	
Ethyl methacrylate	0.05	● ND	--	mg/L	
Ethylbenzene	0.001	● ND	0.7	mg/L	
Ethylene oxide	0.1	● ND	--	mg/L	
Hexachlorobutadiene	0.001	● ND	--	mg/L	
Hexachloroethane	0.1	● ND	--	mg/L	
Iodomethane	0.001	● ND	--	mg/L	
Isobutyl alcohol	0.1	● ND	--	mg/L	
Isopropyl Acetate	0.001	● ND	--	mg/L	
Isopropylbenzene	0.001	● ND	--	mg/L	
m,p-Xylene	0.001	● ND	--	mg/L	
Malononitrile	0.1	● ND	--	mg/L	
Methacrylonitrile	0.1	● ND	--	mg/L	

Volatile Organics

Sample ID: U042222










Sample Location: Pond

Parameter	Instrument Limit	Your Water	EPA Limit	Units	Effect
Methanol	0.1	● ND	--	mg/L	
Methyl Acetate	0.001	● ND	--	mg/L	
Methyl acrylate	0.1	● ND	--	mg/L	
Methyl methacrylate	0.1	● ND	--	mg/L	
Methyl tert-butyl ether (MTBE)	0.001	● ND	--	mg/L	
n-Amyl acetate	0.1	● ND	--	mg/L	
Naphthalene	0.001	● ND	--	mg/L	
n-Butanol	0.1	● ND	--	mg/L	
n-Butylbenzene	0.001	● ND	--	mg/L	
Nitrobenzene	0.1	● ND	--	mg/L	
N-Nitroso-di-n-butylamine	0.1	● ND	--	mg/L	
n-Propylamine	0.1	● ND	--	mg/L	
n-Propylbenzene	0.001	● ND	--	mg/L	
o-Dichlorobenzene (1,2-Dichlorobenzene)	0.001	● ND	0.6	mg/L	
o-Toluidine	0.1	● ND	--	mg/L	
o-Xylene	0.001	● ND	--	mg/L	
Paraldehyde	0.1	● ND	--	mg/L	
p-Dichlorobenzene (1,4-Dichlorobenzene)	0.001	● ND	0.075	mg/L	
Pentachloroethane	0.1	● ND	--	mg/L	
Pentafluorobenzene	0.1	● ND	--	mg/L	
p-Isopropyltoluene	0.001	● ND	--	mg/L	
Propargyl alcohol	0.1	● ND	--	mg/L	
Propionitrile (ethyl cyanide)	0.1	● ND	--	mg/L	
Propyl Acetate	0.001	● ND	--	mg/L	
Pyridine	0.1	● ND	--	mg/L	
Sec-Butylbenzene	0.001	● ND	--	mg/L	
β-Propiolactone	0.1	● ND	--	mg/L	
Styrene	0.001	● ND	0.1	mg/L	
t-Butyl alcohol	0.1	● ND	--	mg/L	
tert-Amyl methyl ether	0.1	● ND	--	mg/L	
Tert-Butylbenzene	0.001	● ND	--	mg/L	

Volatile Organics

Sample ID: U042222

Sample Location: Pond

Parameter	Instrument Limit	Your Water	EPA Limit	Units	Effect
Tetrachloroethylene	0.001	● ND	0.005	mg/L	
Toluene	0.001	● ND	1	mg/L	
Total Xylenes	0.001	● ND	--	mg/L	
trans-1,2-Dichloroethylene	0.001	● ND	0.1	mg/L	
trans-1,3-Dichloropropene	0.001	● ND	--	mg/L	
Trans-1,4-Dichloro-2-butene	0.001	● ND	--	mg/L	
Trichloroethylene	0.001	● ND	0.005	mg/L	
Trichlorofluoromethane	0.001	● ND	--	mg/L	
Vinyl acetate	0.001	● ND	--	mg/L	
Vinyl chloride	0.001	● ND	0.002	mg/L	