## Additional Monitoring Data 2020 Countryside Lake

| Compound | Results | Units | MCL | Sample Date* | Possible Source of Contaminant |
|---|---|---|---|---|---|
| ***Inorganics*** | | | | | |
| Arsenic | <1.0 | µg/L | 10 | 3.4.20 | *Erosion from natural deposits* |
| Calcium | 58.4 | mg/L | n/a | 3.4.20 | *Erosion from limestone or calcium containing rocks* |
| Sodium | 53.8 | mg/L | n/a | 3.4.20 | *Road salt, water softeners* |
| Sulfate | 195.6 | mg/L | 250 | 3.4.20 | *Erosion from soils and rock containing sulfates* |
| Alkalinity | 218.4 | mg/L | n/a | 3.4.20 | *Calcium carbonate, erosion from limestone or soils with dolomite and calcite* |
| Chloride | 7.88 | mg/L | 250 | 3.4.20 | *Road salt, water softeners, naturally occurring* |
| Fluoride | 0.783 | mg/L | 4 | 3.4.20 | *Erosion from natural deposits, added in the water treatment process* |
| Total Hardness | 325.6 | mg/L | n/a | 3.4.20 | *Corrosion of water pipes* |
| Iron | 0.143 | mg/L | 0.3 | 3.4.20 | *Corrosion of iron pipes and iron baring soils* |
| Manganese | <0.03 | mg/L | 0.05 | 3.4.20 | *Natural element in soils* |
| pH | 7.8 | S.U. | 6.5-8.5 | 3.4.20 | *Corrosion of water pipes* |
| Zinc | 0.142 | mg/L | 5 | 3.4.20 | *Galvanized surfaces, erosion of natural resources* |
| ***Organics*** | | | | | |
| Vinyl Chloride | <0.5 | µg/L | 0.5 | 2.3.14 | *PVC piping, discharge from plastic factories* |
| 1,1 Dichloroethene | <0.5 | µg/L | 0.5 | 2.3.14 | *Industrial discharge from chemical and plastic factories* |
| Methylene chloride | <0.5 | µg/L | 0.5 | 2.3.14 | *Industrial solvent, paint stripper* |
| MTBE | <0.5 | µg/L | 0.5 | 2.3.14 | *Leaking underground storage tanks, was used as a fuel additive* |
| trans-1,2-Dichloroethene | <0.5 | µg/L | 0.5 | 2.3.14 | *Industrial discharge from chemical and plastic factories* |
| cis-1,2-Dichloroethene | <0.5 | µg/L | 0.5 | 2.3.14 | *Discharge from industrial chemical factories* |
| 1,1,1-Trichloroethane | <0.5 | µg/L | 0.5 | 2.3.14 | *Discharge from metal degreasing sites and other factories* |
| Carbon tetrachloride | <0.5 | µg/L | 0.5 | 2.3.14 | *Discharge from chemical plants and other industrial activities* |
| Benzene | <0.5 | µg/L | 0.5 | 2.3.14 | *Discharge from factories; leaching from gas storage tanks and landfills* |
| 1,2-Dichloroethane | <0.5 | µg/L | 0.5 | 2.3.14 | *Discharge from industrial chemical factories* |
| Trichloroethene | <0.5 | µg/L | 0.5 | 2.3.14 | *Discharge from industrial chemical factories* |
| 1,2-Dichloropropane | <0.5 | µg/L | 0.5 | 2.3.14 | *Discharge from industrial chemical factories* |
| Toluene | <0.5 | µg/L | 0.5 | 2.3.14 | *Discharge from petroleum factories* |
| Tetrachloroethene | <0.5 | µg/L | 0.5 | 2.3.14 | *Discharge from factories, dry cleaners* |

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|---|---|---|---|---|---|
| ***Organics*** | | | | | |
| Tetrachloroethene | <0.5 | µg/L | 0.5 | 2.3.14 | *Discharge from factories, dry cleaners* |
| 1,1,2-Trichloroethane | <0.5 | µg/L | 0.5 | 2.3.14 | *Discharge from industrial chemical factories* |
| Chlorobenzene | <0.5 | µg/L | 0.5 | 2.3.14 | *Discharge from chemical and agricultural chemical factories* |
| Ethylbenzene | <0.5 | µg/L | 0.5 | 2.3.14 | *Discharge from petroleum refineries* |
| Xylenes | <0.5 | µg/L | 0.5 | 2.3.14 | *Discharge from petroleum refineries and chemical factories* |
| ***Unregulated Contaminants*** | | | | | |
| PFOA | <2.0 | ng/L | 2.0 | 12.4.19 | *Manmade chemical to make Teflon* |
| PFOS | <2.0 | ng/L | 2.0 | 12.4.19 | *Fabric protector, manmade fluorosurfactant and global pollutant* |

mg/L - Parts per Million
µg/L - Parts per Billion
Ng/L - Parts per Trillion