



SAUGATUCK TOWNSHIP

WWW.SAUGATUCKTOWNSHIP.ORG

3461 BLUE STAR HIGHWAY
P.O. BOX 100
SAUGATUCK, MI 49453

PHONE (269) 857-7721
FAX (269) 857-4542

ANALYSIS OF GROUNDWATER SAMPLES OF PRIVATE WATER SUPPLIES

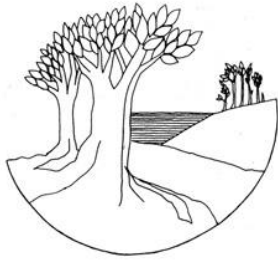
In accordance with Township Code of Ordinances all new private water supplies must be tested and analyzed for volatile organic compounds (VOCs) and nitrates/nitrites using acceptable methods of MDEQ Certified laboratories. Results obtained from the testing can be compared to Michigan Department of Environmental Quality (MDEQ) Part 201 of the Natural Resources and Environmental Protection Act (the "Part 201 criteria") which are available at http://www.michigan.gov/deq/0,4561,7-135-3311_4109-251790--,00.html. The Part 201 tables identify specific criteria for a variety of exposure pathways, including drinking water exposures. The water samples shall be analyzed by a laboratory certified by the MDEQ Environmental Science and Services Division, or its successor agency or division, as a Certified Drinking Water Chemical Laboratory, using one of the analytical methods approved by MDEQ MERA Operational Memorandum #16, as it may be amended or supplemented from time to time.

Saugatuck Township does not recommend a particular certified lab for testing and all property owners are free to use labs as listed herein or another of their choice. It is anticipated and known that some owners are interested in having their current well water tested for no other reason than verification that their water is safe. Property owners with shallow wells are advised to have their water tested.

Free well test kits are available at the Township Hall but in limited supply. Call the Township Office to reserve a free water test kit. PLEASE BE ADVISED that all water samples must be kept on ice and analyzed at a certified lab within 24 hours from the time of collection.

Many labs, including the Michigan Department of Environmental Quality, are capable for limited wet chemistry testing such as for fluorides, nitrates, sulfates and other organic compounds. The Saugatuck Township requires that private wells be tested for regulated Volatile Organic Compounds (VOCs) that include but are not limited to:

- "PCE" or Tetrachloroethylene that is used in metal degreasing and dry cleaning. It is a suspected to cause cancer, and a host of other health problems.
- "TCE" or Trichloroethylene is used in cleaning metal parts and was widely believed to be harmless before being linked to birth defects. It is a suspected to cause cancer, and a host of other health problems.
- "Toluene" or Toluene that is an organic compound mostly harmless to adults and is sometimes abused as an inhalant. Fetal Toluene Syndrome has been defined and resembles Fetal Alcohol Syndrome with resultant birth defects, but the U.S. Centers for Disease Control and Prevention have identified differentiating features between the two syndromes including FTS having the additional facial features of micrognathia, large anterior fontanel, down-turned mouth corners, hair patterning abnormalities, bi-frontal narrowing of the face, and ear abnormalities.
- "MTBE" or Methyl tert-butyl ether which is a gasoline oxygenate designed to add oxygen to decrease vehicular carbon monoxide emissions and ozone levels in the atmosphere. The United States Environmental Protection Agency (EPA) has concluded that available data are inadequate to quantify health risks of MTBE at low exposure levels in drinking water, but the data supports the conclusion that MTBE is a potential human carcinogen at high doses.



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MDEQ CERTIFIED LABORATORIES

Prein & Newhof
3355 Evergreen Drive NE
Grand Rapids, MI 49525
Phone: (616) 364-8491
Fax: (616) 364-6955
<http://www.preinnewhof.com/contact/>

KAR Laboratories, Inc.
4425 Manchester Rd.
Kalamazoo, MI 49001
Phone:(269) 381-9666
<http://www.karlabs.com/>

TriMatrix Laboratories
5560 Corporate Exchange Court
Grand Rapids, MI 49512
Phone: (616) 975.4500
Fax: (616) 942-7463
<http://www.trimatrixlabs.com/>

ALS Laboratory Group, Env Div. Holland
3352 128th Avenue
Holland, MI 49424
Phone: (616) 399-6070
Fax: (616) 399-6185
<http://www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental>

Summit Laboratory, LLC
900 Godfrey Ave. SW
Grand Rapids, MI 49503
Phone: (616) 245-3818
Fax: (616) 245-3884
<http://summitlaboratory.com/contact-us/>

Michigan Department of Environmental Quality (MDEQ)
Drinking Water Laboratory
3350 North M.L. King Blvd., P.O. Box 30270
Lansing, MI 48909
Phone: (517) 335-8184

*MDEQ Certified Laboratories full list http://www.michigan.gov/documents/deq/deq-rrd-LAB-MicrobiologicalLaboratoryCertifications_426491_7.pdf