

# Well Water Analysis Information

<b>Contaminant</b>			
Name	Results	Possible Sources	Treatment
<b>Arsenic</b>	MCL - 0.005 mg/L	Surface and ground water from natural processes and industrial activities including pesticides and industrial waste disposal	<ul style="list-style-type: none"> <li>○ Granular ferric absorption system for whole house</li> <li>○ Granular ferric absorption system for single tap</li> <li>○ Ion exchange for whole house</li> <li>○ Reverse osmosis for single tap</li> </ul>
<b>Coliform bacteria</b>	POS w/number or ABSENT	From exposed parts of the well such as a corroded, or damaged well casings, a broken or missing well cap, or the settling and cracking of surface seals	<ul style="list-style-type: none"> <li>○ Chlorination</li> <li>○ Ultraviolet radiation</li> <li>○ Ceramic filter</li> </ul>
<b>Lead</b>	MCL 0.005mg/L.	Corrosion of construction materials in plumbing systems	<ul style="list-style-type: none"> <li>○ Use lead free materials</li> <li>○ Install point of use treatment devices</li> <li>○ Ion exchange filter</li> <li>○ Reverse osmosis device</li> <li>○ Distillation device</li> </ul>
<b>Nitrate</b>	MCL 10 mg/L	From fertilizer and sewage runoff into surface water or by leaching into groundwater	<ul style="list-style-type: none"> <li>○ Distillation device</li> <li>○ Reverse osmosis device</li> </ul>
<b>Volatile Organics (VOC)</b>	The presence of any of these compounds is potentially a health risk.	They have a high vapor pressure and low water solubility.	<ul style="list-style-type: none"> <li>○ Properly constructed well</li> <li>○ Identify and remove contamination source</li> <li>○ Point of use filters</li> <li>○ Granular activated carbon filters</li> <li>○ Temporarily use bottled water</li> </ul>

## Acronyms Used

MCL – Maximum Contaminant Level	Maximum amount of a specific contaminant allowed in drinking water
mg/L	Milligrams per liter
ug/l	Micrograms per liter
VOC - Volatile Organics	Many are human-made chemicals that are used and produced in the manufacture of paints, pharmaceuticals, and refrigerants.

### Additional Resources:

NJ Department of Health: [http://www.state.nj.us/health/eohs/documents/factsheet/pw\\_faq.pdf](http://www.state.nj.us/health/eohs/documents/factsheet/pw_faq.pdf)  
 United States Geological Survey [http://health.usgs.gov/dw\\_contaminants/](http://health.usgs.gov/dw_contaminants/)

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