

Appendix A 3745-9-09Required Analyses for Wells Utilized by Community Public Water SystemsInorganic

| | | |
|-------------------------------------|-------------------------------|-------------------------------|
| <u>Alkalinity, total (as CaCO3)</u> | <u>Cyanide</u> | <u>Nitrite-(as N)</u> |
| <u>Antimony, total</u> | <u>Fluoride, total</u> | <u>pH</u> |
| <u>Arsenic, total</u> | <u>Iron, total</u> | <u>Selenium, total</u> |
| <u>Barium, total</u> | <u>Lead, total</u> | <u>Silver, total</u> |
| <u>Beryllium, total</u> | <u>Magnesium, total</u> | <u>Sodium, total</u> |
| <u>Cadmium, total</u> | <u>Manganese, total</u> | <u>Sulfate</u> |
| <u>Calcium, total</u> | <u>Mercury, total</u> | <u>Thallium, total</u> |
| <u>Chloride</u> | <u>Nickel, total</u> | <u>Total Dissolved Solids</u> |
| <u>Chromium, total</u> | <u>Nitrate-(as N)</u> | <u>Zinc, total</u> |
| <u>Copper, total</u> | <u>Nitrate-Nitrite-(as N)</u> | |

Radiological

| | |
|--------------------|---|
| <u>Gross Alpha</u> | |
| <u>Gross Beta</u> | |
| <u>Radium-228</u> | |
| <u>Radium-226</u> | <u>(if either gross alpha analysis exceeds 5pCi/L or radium-228 analysis exceeds 1 pCi/L)</u> |
| <u>Uranium</u> | <u>(if gross alpha analysis exceeds 15 pCi/L)</u> |

Synthetic Organic Chemicals (SOC)

| |
|-----------------|
| <u>Alachlor</u> |
| <u>Atrazine</u> |
| <u>Simazine</u> |

Bacteria Standards

| | |
|--|---------------------------------------|
| <u>Total Coliform (2 samples collected at least 30 min. apart)</u> | <u>1 Positive = Standard Exceeded</u> |
|--|---------------------------------------|

Volatiles Organic Chemicals (VOC)

| | | |
|--|---|--|
| <u>Benzene</u> | <u>Ethylbenzene</u> | <u>trans-1,2-Dichloroethene</u> (or <u>-ethylene</u>) |
| <u>Carbon Tetrachloride</u> (<u>tetrachloromethane</u>) | <u>Monochlorobenzene</u> (<u>chlorobenzene</u>) | <u>Trichloroethene</u> (or <u>-ethylene</u>) |
| <u>cis-1,2-Dichloroethene</u> (or <u>-ethylene</u>) | <u>ortho-Dichlorobenzene</u> (<u>1,2-Dichlorobenzene</u>) | <u>1,1,1-Trichloroethane (methyl</u> <u>chloroform)</u> |
| <u>Dichloromethane (methylene</u> <u>chloride)</u> | <u>para-Dichlorobenzene</u> <u>1,4-Dichlorobenzene</u> | <u>1,2,4-Trichlorobenzene</u> |
| <u>1,1-Dichloroethene</u> (or <u>-ethylene, 1,1-DCE</u>) | <u>Styrene</u> | <u>1,1,2-Trichloroethane</u> |
| <u>1,2-Dichloroethane</u> | <u>Tetrachloroethene</u> (or <u>-ethylene,</u> <u>perchloroethylene</u>) | <u>Vinyl Chloride</u> |
| <u>1,2-Dichloropropane</u> | <u>Toluene</u> | <u>Xylenes, total</u> |

Required Analyses for Wells Utilized by Nontransient Noncommunity Public Water Systems

Inorganic

| | | |
|-------------------------------------|-------------------------------|-------------------------------|
| <u>Alkalinity, total (as CaCO3)</u> | <u>Cyanide</u> | <u>Nitrite-(as N)</u> |
| <u>Antimony, total</u> | <u>Fluoride, total</u> | <u>pH</u> |
| <u>Arsenic, total</u> | <u>Iron, total</u> | <u>Selenium, total</u> |
| <u>Barium, total</u> | <u>Lead, total</u> | <u>Silver, total</u> |
| <u>Beryllium, total</u> | <u>Magnesium, total</u> | <u>Sodium, total</u> |
| <u>Cadmium, total</u> | <u>Manganese, total</u> | <u>Sulfate</u> |
| <u>Calcium, total</u> | <u>Mercury, total</u> | <u>Thallium, total</u> |
| <u>Chloride</u> | <u>Nickel, total</u> | <u>Total Dissolved Solids</u> |
| <u>Chromium, total</u> | <u>Nitrate-(as N)</u> | <u>Zinc, total</u> |
| <u>Copper, total</u> | <u>Nitrate-Nitrite-(as N)</u> | |

Radiological

| |
|--------------------|
| <u>Gross Alpha</u> |
| <u>Gross Beta</u> |

Synthetic Organic Chemicals (SOC)

| |
|-----------------|
| <u>Alachlor</u> |
| <u>Atrazine</u> |
| <u>Simazine</u> |

Bacteria Standards

| | |
|--|---------------------------------------|
| <u>Total Coliform (2 samples collected at least 30 min. apart)</u> | <u>1 Positive = Standard Exceeded</u> |
|--|---------------------------------------|

Volatile Organic Chemicals (VOC)

| | | |
|----------------|---------------------|---------------------------------|
| <u>Benzene</u> | <u>Ethylbenzene</u> | <u>trans-1,2-Dichloroethene</u> |
|----------------|---------------------|---------------------------------|

Volatile Organic Chemicals (VOC)

| | | |
|---|--|--|
| | | <u>(or –ethylene)</u> |
| <u>Carbon Tetrachloride</u> <u>(tetrachloromethane)</u> | <u>Monochlorobenzene</u> <u>(chlorobenzene)</u> | <u>Trichloroethene</u> <u>(or –ethylene)</u> |
| <u>cis-1,2-Dichloroethene</u> <u>(or –ethylene)</u> | <u>ortho-Dichlorobenzene</u> <u>(1,2-Dichlorobenzene)</u> | <u>1,1,1-Trichloroethane (methyl</u> <u>chloroform)</u> |
| <u>Dichloromethane (methylene</u> <u>chloride)</u> | <u>para-Dichlorobenzene</u> <u>1,4-Dichlorobenzene</u> | <u>1,2,4-Trichlorobenzene</u> |
| <u>1,1-Dichloroethene</u> <u>(or –ethylene, 1,1-DCE)</u> | <u>Styrene</u> | <u>1,1,2-Trichloroethane</u> |
| <u>1,2-Dichloroethane</u> | <u>Tetrachloroethene</u> <u>(or –ethylene,</u> <u>perchloroethylene)</u> | <u>Vinyl Chloride</u> |
| <u>1,2-Dichloropropane</u> | <u>Toluene</u> | <u>Xylenes, total</u> |

Required Analyses for Wells Utilized by Transient Noncommunity Public Water Systems

Inorganic

| | | |
|-------------------------------------|-------------------------|-------------------------------|
| <u>Alkalinity, total (as CaCO3)</u> | <u>Fluoride, total</u> | <u>Nitrate-Nitrite-(as N)</u> |
| <u>Arsenic, total</u> | <u>Iron, total</u> | <u>Nitrite-(as N)</u> |
| <u>Barium, total</u> | <u>Lead, total</u> | <u>pH</u> |
| <u>Calcium, total</u> | <u>Magnesium, total</u> | <u>Sodium, total</u> |
| <u>Chloride</u> | <u>Manganese, total</u> | <u>Sulfate</u> |
| <u>Copper, total</u> | <u>Nitrate-(as N)</u> | <u>Total Dissolved Solids</u> |

Radiological

| |
|--------------------|
| <u>Gross Alpha</u> |
| <u>Gross Beta</u> |

Bacteria Standards

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|--|---------------------------------------|
| <u>Total Coliform (2 samples collected at least 30 min. apart)</u> | <u>1 Positive = Standard Exceeded</u> |
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