

**MONITORED INORGANIC CHEMICAL PARAMETERS**  
**Ambient Ground Water Monitoring Network Wells**

<b>PARAMETERS</b>	<b>CURRENT DETECTION LIMITS</b>
<b><u>Major Constituents</u></b>	<b><u>mg/L</u></b>
Alkalinity, Total as CaCO <sub>3</sub>	5
Calcium (Ca)	2
Chloride (Cl)	5
Hardness as CaCO <sub>3</sub>	10
Magnesium (Mg)	1
Potassium (K)	2
Sodium (Na)	5
Sulfate (SO <sub>4</sub> )	5
Total Dissolved Solids (TDS)	10
<b><u>Trace Constituents</u></b>	<b><u>µg/L</u></b>
Aluminum (Al)	200
Arsenic (As)	2
Barium (Ba)	15
Cadmium (Cd)	0.2
Chromium (Cr)	30
Copper (Cu)	10
Fluoride (F)	0.10 mg/L
Iron (Fe)	50
Lead (Pb)	2
Manganese (Mn)	10
Nickel (Ni)	40
Selenium (Se)	2
Strontium (Sr)	30
Zinc (Zn)	10
<b><u>Nutrients</u></b>	<b><u>mg/L</u></b>
Ammonia (NH <sub>3</sub> )	0.05
Chemical Oxygen Demand (COD)	10
Nitrate/Nitrite (as N)	0.10
Phosphorus (P)	0.05
Total Kjeldahl Nitrogen (as N)	0.2
Total Organic Carbon (TOC)	2
<b><u>Field Analysis</u></b>	<b><u>Relative Accuracy</u></b>
pH	± 0.02 S.U.
Specific Conductance (µmhos/cm)	± 0.5 %
Temperature	± 0.1 C
Oxygen Reduction Potential (ORP)	
Total Dissolved Solids (TDS)	

**MONITORED VOLATILE ORGANIC COMPOUNDS (VOC's)  
Ambient Ground Water Monitoring Network Wells  
(VOC Detection Limit = 0.5 µg/L)**

Benzene	1,3-Dichloropropane
Bromobenzene	2,2-Dichloropropane
Bromochloromethane	1,1-Dichloropropene
Bromodichloromethane	cis-1,3-Dichloropropene
Bromoform	trans-1,3-Dichloropropene
Bromomethane	Ethylbenzene
n-Butylbenzene	Hexachlorobutadiene
sec-Butylbenzene	Isopropylbenzene
tert-Butylbenzene	4-Isopropylbenzene
Carbon tetrachloride	Methylene chloride
Chlorobenzene	Methyl-tert-butyl ether
Chloroethane	Naphthalene
Chloroform	n-Propylbenzene
Chloromethane	Styrene
2-Chlorotoluene	1,1,1,2-Tetrachloroethane
4-Chlorotoluene	1,1,2,2-Tetrachloroethane
Dibromochloromethane	Tetrachloroethane
1,2-Dibromo-3-chloropropane	Toluene
1,2-Dibromomethane	1,2,3-Trichlorobenzene
Dibromomethane	1,2,4-Trichlorobenzene
1,2-Dichlorobenzene	1,1,1-Trichloroethane
1,3-Dichlorobenzene	1,1,2-Trichloroethane
1,4-Dichlorobenzene	Trichloroethene
Dichlorofluoromethane	Trichlorofluoromethane
1,1-Dichloroethane	1,2,3-Trichloropropane
1,2-Dichloroethane	1,2,4-Trimethylbenzene
1,1-Dichloroethene	1,3,5-Trimethylbenzene
cis-1,2-Dichloroethene	Vinyl Chloride
trans-1,2-Dichloroethene	o-Xylene
1,2-Dichloropropane	Total m&p-xylenes