

**Table G**

CONSTITUENTS OF CONCERN &  
 APPROVED USEPA ANALYTICAL METHODS

<b>Field Parameters</b>	<b>USEPA Test Method</b>
Groundwater Elevation	----
pH	----
Oxidation-Reduction (Redox) Potential	----
Specific conductance	----
Temperature	----
Turbidity	----
<b>General Minerals</b>	
Total Dissolved Solids (TDS)	2540C
Total Alkalinity	2320B
Total Hardness	2340B
Chemical Oxygen Demand (COD)	410.4
<u>Major Anions</u>	
Bicarbonate	2310B
Chloride	300 (anion scan)
Nitrate – Nitrogen	300 (anion scan)
Sulfate	300 (anion scan)
<u>Major Cations</u>	
Calcium	200.7/6010
Magnesium	200.7/6010
Potassium	200.7/6010
Sodium	200.7/6010
<b>Dissolved Inorganics<sup>1</sup></b>	
Aluminum	200.7/6010
Antimony	200.7/6010
Arsenic	200.9/200.8
Barium	200.7/6010
Beryllium	200.7/6010
Cadmium	200.7/6010
Chromium	200.7/6010
Hexavalent Chromium	7199/1636
Cobalt	200.7/6010
Copper	200.7/6010
Cyanide	335.4/9010
Iron	200.7/6010

**Table G (Continued)**

Lead	200.9/200.8
Manganese	200.7/6010
Mercury	7470A
Molybdenum	200.7/6010
Nickel	200.9/200.8
Selenium	200.9/200.8
Silver	200.7/6010
Sulfide	9030
Thallium	200.7/6010
Tin	200.7/6010
Vanadium	200.7/6010
Zinc	200.7/6010

**Volatile Organic Compounds<sup>2</sup>** (VOCs, by USEPA Method 8260B):

Acetone  
Acetonitrile  
Acrolein  
Acrylonitrile  
Allyl chloride (3-Chloropropene)  
Tert-Amyl methyl ether  
Benzene  
Bromobenzene  
Bromochloromethane  
Bromodichloromethane  
Bromoform (Tribromomethane)  
Tert-Butyl alcohol  
n-Butylbenzene  
sec-Butylbenzene  
tert-Butylbenzene  
tert-Butyl ethyl ether  
Carbon disulfide  
Carbon tetrachloride  
Chlorobenzene  
Chloroethane (Ethyl chloride)  
Chloroform (Trichloromethane)  
Chloroprene  
Dibromochloromethane (Chlorodibromomethane)  
1,2-Dibromo-3-chloropropane (DBCP)  
1,2-Dibromoethane (Ethylene dibromide; EDB)  
o-Dichlorobenzene (1,2-Dichlorobenzene)  
m-Dichlorobenzene (1,3-Dichlorobenzene)  
p-Dichlorobenzene (1,4-Dichlorobenzene)  
trans-1,4-Dichloro-2-butene  
Dichlorodifluoromethane (CFC-12)  
1,1-Dichloroethane (Ethylidene chloride)  
1,2-Dichloroethane (Ethylene dichloride)  
1,1 -Dichloroethylene (1,1 -Dichloroethene; Vinylidene chloride)

**Table G (Continued)**

cis- 1,2-Dichloroethylene (cis- 1,2-Dichloroethene)  
trans-1,2-Dichloroethylene (trans-1,2-Dichloroethene)  
1,2-Dichloropropane (Propylene dichloride)  
1,3-Dichloropropane  
2,2-Dichloropropene  
1,1-Dichloropropene  
cis- 1,3-Dichloropropene  
trans- 1,3-Dichloropropene  
Ethylbenzene  
Ethyl methacrylate  
Hexachlorobutadiene  
Hexachloroethane  
2-Hexanone (Methyl butyl ketone)  
Iodomethane (Methyl iodide)  
Isobutyl alcohol  
di-Isopropyl ether  
Methacrylonitrile  
Methyl bromide (Bromomethene)  
Methylene bromide (Dibromomethane)  
Methylene chloride (Dichloromethane)  
Methyl chloride (Chloromethane)  
Methyl ethyl ketone (MEK: 2-Butanone)  
4-Methyl-2-pentanone (Methyl isobutylketone)  
Methyl tert-butyl ether (MtBE)  
Naphthalene  
2-Nitropropane  
n-Propylbenzene  
Propionitrile  
Styrene  
1,1,1,2-Tetrachloroethane  
1,1,2,2-Tetrachloroethane  
Tetrachloroethylene (Tetrachloroethene; Perchloroethylene)  
Toluene  
1,2,4-Trichlorobenzene  
1,1,1-Trichloroethane (Methylchloroform)  
1,1,2-Trichloroethane  
Trichloroethylene (Trichloroethene)  
Trichlorofluoromethane (CFC- 11)  
1,2,3-Trichloropropane  
1,2,4-Trimethylbenzene  
1,3,5-Trimethylbenzene  
Vinyl chloride  
Xylenes (total)

**Semivolatile Organic Compounds<sup>2</sup>** (USEPA Method 8270 - base, neutral, & acid extractables):

Acenaphthene  
Acenaphthylene  
Acetophenone  
2-Acetylaminofluorene (2-AAF)

**Table G (Continued)**

4-Aminobiphenyl  
Anthracene  
Benzo[a]anthracene (Benanthracene)  
Benzo[b]fluoranthene  
Benzo[k]fluoranthene  
Benzo[g,h,i]perylene  
Benzo[a]pyrene  
Benzyl alcohol  
Bis(2-ethylhexyl) phthalate  
Bis(2-chloroethoxy)methane  
Bis(2-chloroethyl) ether (Dichloroethyl ether)  
Bis(2-chloro-1-methylethyl) ether (Bis(2-chloroisopropyl) ether; DCIP)  
4-Bromophenyl phenyl ether  
Butyl benzyl phthalate (Benzyl butyl phthalate)  
p-Chloroaniline  
p-Chloro-m-cresol (4-Chloro-3-methylphenol)  
2-Chloronaphthalene  
2-Chlorophenol  
4-Chlorophenyl phenyl ether  
Chrysene  
o-Cresol (2-methylphenol)  
m-Cresol (3-methylphenol)  
p-Cresol (4-methylphenol)  
Dibenz[a,h]anthracene  
Dibenzofuran  
Di-n-butyl phthalate  
3,3'-Dichlorobenzidine  
2,4-Dichlorophenol  
2,6-Dichlorophenol  
Diethyl phthalate  
p-(Dimethylamino)azobenzene  
7,12-Dimethylbenz[a]anthracene  
3,3'-Dimethylbenzidine  
2,4-Dimethylphenol (m-Xylenol)  
Dimethyl phthalate  
m-Dinitrobenzene  
4,6-Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)  
2,4-Dinitrophenol  
2,4-Dinitrotoluene  
2,6-Dinitrotoluene  
Di-n-octyl phthalate  
Diphenylamine  
Ethyl methanesulfonate  
Famphur  
Fluoranthene  
Fluorene  
Hexachlorobenzene  
Hexachloropropene  
Indeno(1,2,3-c,d)pyrene

**Table G (Continued)**

Isophorone  
Isosafrole  
Kepone  
Methapyrilene  
3-Methylcholanthrene  
Methyl methanesulfonate  
2-Methylnaphthalene  
1,4-Naphthoquinone  
1-Naphthylamine  
2-Naphthylamine  
o-Nitroaniline (2-Nitroaniline)  
m-Nitroaniline (3-Nitroaniline)  
p-Nitroaniline (4-Nitroaniline)  
Nitrobenzene  
o-Nitrophenol (2-Nitrophenol)  
p-Nitrophenol (4-Nitrophenol)  
N-Nitrosodi-n-butylamine (Di-n-butylNitrosamine)  
N-Nitrosodiethylamine (DiethylNitrosamine)  
N-Nitrosodimethylamine (DimethylNitrosamine)  
N-Nitrosodiphenylamine (DiphenylNitrosamine)  
N-Nitrosodipropylamine (N-Nitroso-N-dipropylamine; Di-n-propylNitrosamine)  
N-Nitrosomethylethylamine (MethylethylNitrosamine)  
N-Nitrosopiperidine  
N-Nitrosopyrrolidine  
5-Nitro-o-toluidine  
Pentachlorobenzene  
Pentachloronitrobenzene (PCNB)  
Pentachlorophenol  
Phenacetin  
Phenanthrene  
Phenol  
p-Phenylenediamine  
Polychlorinated biphenyls (PCBs; Aroclors)  
Pronamide  
Pyrene  
Safrole  
1,2,4,5-Tetrachlorobenzene  
2,3,4,6-Tetrachlorophenol  
o-Toluidine  
2,4,5-Trichlorophenol  
0,0,0-Triethyl phosphorothioate  
sym-Trinitrobenzene

**Organochlorine Pesticides<sup>2</sup> (USEPA Method 8081A)**

Aldrin  
 $\alpha$ -BHC  
 $\beta$ -BHC  
 $\gamma$ -BHC (Lindane)  
 $\delta$ -BHC

**Table G (Continued)**

Chlorobenzilate  
 $\alpha$ -Chlordane  
 $\gamma$ -Chlordane  
Chlordane – not otherwise specified  
DBCP  
4,4'-DDD  
4,4'-DDE  
4,4'-DDT  
Diallate  
Dieldrin  
Endosulfan I  
Endosulfan II  
Endosulfan sulfate  
Endrin  
Endrin aldehyde  
Endrin ketone  
Heptachlor  
Heptachlor epoxide  
Hexachlorocyclopentadiene  
Isodrin  
Methoxychlor  
Toxaphene

**Polychlorinated Biphenols<sup>2</sup>** (PCBs, USEPA Method 8082)

Aroclor 1016  
Aroclor 1221  
Aroclor 1232  
Aroclor 1242  
Aroclor 1248  
Aroclor 1254  
Aroclor 1260

**Organophosphorus Pesticides<sup>2</sup>** (USEPA Method 8141A):

Chlorpyrifos  
Diazinon  
Dimethioate  
Disulfoton  
Ethion  
Famphur  
Malathion  
Parathion  
Parathion-ethyl  
Parathion-methyl  
Phorate

**Chlorinated Herbicides<sup>2</sup>** (USEPA Method 8151A):

2,4-D (2,4-Dichlorophenoxyacetic acid)  
Dicamba

**Table G (Continued)**

Dinoseb (DNBP; 2-sec-Butyl-4,6-dinitrophenol)  
MCPA  
MCP  
Silvex (2,4,5-Trichlorophenoxypropionic acid; 2,4,5-TP)  
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)  
Pentachlorophenol

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1. Samples shall be filtered prior to performing dissolved inorganics analysis.
  2. Unknown chromatographic peaks shall be reported, along with an estimate of the concentration of the unknown analyte per WDR Monitoring Specification E.13.