

Analytical Parameter List For the Aquifer Sampling and Assessment Program (ASSET)

PARAMETER	METHOD*	PQL (units)
Bottle GA – Water Quality (1 L Plastic Cylinder/Ice)		
Alkalinity	SM2320B	2 mg/L
Chloride	300.0	5 mg/L
Color	SM2120B	5 PCU
Specific Conductivity	SM2510B	10 umhos
Sulfate	300.0	5 mg/L
T.D.S.	SM2540C	20 mg/L
T.S.S.	SM2540D	4 mg/L
Turbidity	2130B	1 NTU
Bottle GB – Total Metals (1 L Plastic Cylinder/Ice+HNO3)		
Aluminum	200.7	500 ug/L
Antimony	200.8	1 ug/L
Arsenic	200.8	3 ug/L
Barium	200.7	2 ug/L
Beryllium	200.7	1 ug/L
Cadmium	200.8	0.5 ug/L
Calcium	200.7	1000 ug/L
Chromium	200.8	3 ug/L
Cobalt	200.7	1 ug/L
Copper	200.8	3 ug/L
Iron	200.7	20 ug/L
Lead	200.8	3 ug/L
Magnesium	200.7	1000 ug/L
Manganese	200.7	5 ug/L
Mercury	245.1	0.05 ug/L
Molybdenum	200.7	5 ug/L
Nickel	200.8	3 ug/L
Potassium	200.7	1000 ug/L
Selenium	200.8	4 ug/L
Silicon	200.7	1000 ug/L
Silver	200.8	0.5 ug/L
Sodium	200.7	1000 ug/L
Thallium	200.8	1 ug/L
Vanadium	200.7	1 ug/L
Zinc	200.8	10 ug/L
Bottle GC – Nutrients (1 L Plastic Rectangular/Ice+H2SO4)		
Ammonia – as N	SM4500NH3-D	0.1 mg/L
Hardness	SM2340C	5 mg/L
NO ₂ -NO ₃ – as N	4500NO3-F	0.05 mg/L
TKN	351.2	0.1 mg/L
Total Phosphorus	365.4	0.05 mg/L
Bottle GD – VOCs (3 40 ml Vials/Ice+HCl)		
Chloromethane	624	2 ug/L
Vinyl Chloride	624	2 ug/L
Bromomethane	624	2 ug/L
Chloroethane	624	2 ug/L
Trichlorofluoromethane	624	2 ug/L
1,1-Dichloroethene	624	2 ug/L
Methylene Chloride	624	2 ug/L
Trans-1,2-Dichloroethene	624	2 ug/L
Methyl-t-Butyl Ether	624	2 ug/L
1,1-Dichloroethane	624	2 ug/L
Chloroform	624	2 ug/L
1,1,1-Trichloroethane	624	2 ug/L

PARAMETER	METHOD*	PQL (units)
Carbon Tetrachloride	624	2 ug/L
Benzene	624	2 ug/L
1,2-Dichloroethane	624	2 ug/L
Trichloroethene	624	2 ug/L
1,2-Dichloropropane	624	2 ug/L
Bromodichloromethane	624	2 ug/L
Cis-1,3-Dichloropropene	624	2 ug/L
Toluene	624	2 ug/L
Trans-1,3-Dichloropropene	624	2 ug/L
1,1,2-Trichloroethane	624	2 ug/L
Tetrachloroethene	624	2 ug/L
Dibromochloromethane	624	2 ug/L
Chlorobenzene	624	2 ug/L
Ethylbenzene	624	2 ug/L
P&M-Xylene	624	4 ug/L
O-Xylene	624	2 ug/L
Styrene	624	2 ug/L
Bromoform	624	2 ug/L
1,1,2,2-Tetrachloroethane	624	2 ug/L
1,3-Dichlorobenzene	624	2 ug/L
1,4-Dichlorobenzene	624	2 ug/L
1,2-Dichlorobenzene	624	2 ug/L
Bottle GE – SVOCs/Pesticides/PCBs (2 1 L Amber Glass/Ice)		
N-Nitrosodimethylamine	625	10 ug/L
Phenol	625	20 ug/L
Bis(2-chloroethyl)ether	625	10 ug/L
2-Chlorophenol	625	20 ug/L
Bis(2-chloroisopropyl)ether	625	10 ug/L
N-Nitroso-di-n-propylamine	625	10 ug/L
Hexachloroethane	625	10 ug/L
Nitrobenzene	625	10 ug/L
Isophorone	625	10 ug/L
2,4-Dimethylphenol	625	20 ug/L
2-Nitrophenol	625	20 ug/L
1,3,5-Trichlorobenzene	625	10 ug/L
Bis(2-chloroethoxy)methane	625	10 ug/L
1,2,4-Trichlorobenzene	625	10 ug/L
Napthalene	625	10 ug/L
2,4 Dichlorophenol	625	20 ug/L
Hexachlorobutadiene	625	10 ug/L
1,2,3-Trichlorobenzene	625	10 ug/L
4-Chloro-3-methylphenol	625	20 ug/L
Hexachlorocyclopentadiene	625	10 ug/L
1,2,4,5-Tetrachlorobenzene	625	10 ug/L
2,4,6-Trichlorophenol	625	20 ug/L
1,2,3,4-Tetrachlorobenzene	625	10 ug/L
2-Chloronaphthalene	625	10 ug/L
Dimethylphthalate	625	10 ug/L
2,6-Dinitrotoluene	625	10 ug/L
Acenaphthylene	625	10 ug/L
4-Nitrophenol	625	20 ug/L
2,4-Dinitrophenol	625	20 ug/L
Acenaphthene	625	10 ug/L
Pentachlorobenzene	625	10 ug/L

PARAMETER	METHOD*	PQL (units)
2,4-Dinitrotoluene	625	10 ug/L
Diethylphthalate	625	10 ug/L
4-Chlorophenyl phenyl ether	625	10 ug/L
Fluorene	625	10 ug/L
4,6-Dinitro-2-methylphenol	625	20 ug/L
N-Nitrosodiphenylamine	625	10 ug/L
4-Bromophenyl phenyl ether	625	10 ug/L
Hexachlorobenzene	625	10 ug/L
Pentachlorophenol	625	20 ug/L
Phenathrene	625	10 ug/L
Anthracene	625	10 ug/L
Di-n-butylphthalate	625	10 ug/L
Fluoranthene	625	10 ug/L
Benzidine	625	20 ug/L
Pyrene	625	10 ug/L
Butylbenzylphthalate	625	10 ug/L
Bis(2-ethylhexyl)phthalate	625	10 ug/L
3,3'-Dichlorobenzidine	625	10 ug/L
Benzo(a)anthracene	625	10 ug/L
Chrysene	625	10 ug/L
Di-n-octylphthalate	625	10 ug/L
Benzo(b)fluoranthene	625	10 ug/L
Benzo(k)fluoranthene	625	10 ug/L
Benzo(a)pyrene	625	10 ug/L
Indeno(1,2,3-cd)pyrene	625	10 ug/L
Dibenz(a,h)anthracene	625	10 ug/L
Benzo(g,h,i)perylene	625	10 ug/L
Alpha BHC	608 or 8081	0.05 ug/L
Beta BHC	608 or 8081	0.05 ug/L
Gamma BHC	608 or 8081	0.05 ug/L
Delta BHC	608 or 8081	0.05 ug/L
Heptachlor	608 or 8081	0.05 ug/L
Aldrin	608 or 8081	0.05 ug/L
Heptachlor epoxide	608 or 8081	0.05 ug/L
Chlordane	608 or 8081	0.2 ug/L
Endosulfan I	608 or 8081	0.05 ug/L
4,4'-DDE	608 or 8081	0.1 ug/L
Dieldrin	608 or 8081	0.1 ug/L
4,4'DDD	608 or 8081	0.1 ug/L
Endrin	608 or 8081	0.1 ug/L
Toxaphene	608 or 8081	2 ug/L
Endosulfan II	608 or 8081	0.1 ug/L
Endrin Aldehyde	608 or 8081	0.1 ug/L
4,4'DDT	608 or 8081	0.1 ug/L
Endosulfan Sulfate	608 or 8081	0.1 ug/L
Methoxychlor	608 or 8081	0.5 ug/L
Endrin Keytone	608 or 8081	0.1 ug/L
PCB 1016	608 or 8081	1 ug/L
PCB 1221	608 or 8081	1 ug/L
PCB 1232	608 or 8081	1 ug/L
PCB 1242	608 or 8081	1 ug/L
PCB 1248	608 or 8081	1 ug/L
PCB 1254	608 or 8081	1 ug/L
PCB 1260	608 or 8081	1 ug/L

* Analytical method used is dependent upon contract lab; however the reporting limit will not exceed the listed PQL.