New Jersey Department Environmental Protection
Water Supply Administration - Bureau of Safe Drinking Water
401 East State Street
PO BOX 426
Trenton, New Jersey 08625-0426
Tel # 609-292-5550 – Fax # 609-292-1654

Method **502.2**

QC DATA FOR HAZARDOUS CONTAMINANT ANALYSIS

___ ___ ___ ___ ___ ___ ___ Public Water System ID Number

NJDEP Lab ID# ___ ___ ___ ___ ___ Lab Name _____

Public Water System _____

Sample Collection Date _____

Sample Acidified ☐

	Sample Analysis Date	**Lab Blank Analysis Date**	**Matrix Spike Analysis Date**	**MDL Date**
Volatiles	_____	_____	_____	_____

Laboratory Sample ID# _____

Form Prepared By _____ Date _____

Contaminant Name	**MDL ug/l**	**Lab Reagent Blank**	**Lab Fortified Blank**
Dichlorodifluoromethane			
Chloromethene			
Vinyl Chloride			
Bromomethane			
Chloroethane			
Trichlorofluoromethane			
1,1-Dichloroethene			
Methylene Chloride			
trans-1,2-Dichloroethene			
1,1-Dichloroethane			
2,2-Dichloropropane			
cis-1,2-Dichloroethene			
Chloroform			
Bromochloromethane			
1,1,1-Trichloroethane			
1,1-Dichloropropene			
Carbon Tetrachloride			
Benzene			
1,2-Dichloroethene			
Trichloroethene			
1.2-Dichloropropane			
Bromodichloromethane			
Dibromomethane			
Cis-1,3-Dichloropropene			
Toluene			
Trans-1,3-Dichloropropene			

Method **502.2**

PWS ID# ___ ___ ___ ___ ___ ___ ___

Contaminant Name	**MDL ug/l**	**Lab Reagent Blank**	**Lab Fortified Blank**
1,1,2-Trichloroethane			
Tetrachlorethene			
1,3-Dichloropropane			
Dibromochloromethane			
1,2-Dibromoethane			
Chlorobenzene			
Ethylbenzene			
1,1,1,2-Tetrachloroethane			
m-Xylene			
p-Xylene			
o-Xylene			
Styrene			
Isopropylbenzene			
Bromoform			
1,1,2,2-Tetrachloroethane			
1,2,3-Trichloropropane			
n-Propylbenzene			
Bromobenzene			
1,3,5-Trimethylbenzene			
2-Chlorotoluene			
4-Chlorotoluene			
tert-Butybenzene			
1,2,4-Trimethylbenzene			
sec-Butylbenzene			
p-Isopropropyltoluene			
1,3-Dichlorobenzene			
1,4-Dichlorobenzene			
n-Butylbenzene			
1,2-Dichlorobenzene			
1,2-Dibromo-3-Chloropropane			
1,2,4-Trichlorobenzene			
Hexachlorobutadiene			
Napthalene			
1,2,3-Trichlorobenzene			
Total Xylenes			
Methyl Tertiary Butyl Ether (MTBE)			

PWS ID# ___ ___ ___ ___ ___ ___ ___ Lab Sample ID# _____

Surrogate Results

For all Analytical Methods

Compound	**Analytical Method**	**Concentration Added ug/l**	**% Recovery**	**% Recovery Acceptance Limits**
Volatile Fraction 1.				
2.				
3.				
4.				
5.				
6.				

COMPLETE FOR GC/MS METHOD 524.2

Performance Check Date _____

SPECIFICATIONS ACHIEVED (to nearest integer)

m/e	**Ion Abundance Criteria**	**% Relative Abundance 95% m/z (Base Peak)**
50	15-40% of the Base Peak	
75	30-60% of the Base Peak	
95	Base Peak, 100% Relative Abundance	
96	5-9% of the Base Peak	
173	Less than 2% of Mass 174	
174	Greater than 50% of the Base Peak	
175	5-9% of Mass 174	
176	Greater than 95%, but less than 101% of Mass 174	
177	5-9% of Mass 174	