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

DRINKING WATER ANALYSIS – VOLATILE ORGANICS

HZ

System Name _____ PWS ID# ___ ___ ___ ___ ___ ___ ___

Address _____ Facility Name _____

City _____ Facility ID# ____ ____

State _____ ZIP _____ Laboratory ID# ___ ___ ___ ___ ___

Laboratory Name _____

Method **524.2**

Sample Type

Collection Date MM DD YY

Analysis Date MM DD YY

Contaminant ID and Name	"X" if > MCL ug/l	MCL ug/l	MDL ug/l	Analysis Results	
				Sign (<)	ug/l
2243 – Acetone					
2240 – Acrylonitrile					
2402 – Allyl chloride (3-chloro-1-propane)					
2990 – Benzene		1			
2993 – Bromobenzene					
2430 – Bromochloromethane					
2943 – Bromodichloromethane					
2942 – Bromoform					
2214 – Bromomethane					
2247 – 2-Butanone (Methy Ethyl Ketone)					
2422 – n-Butylbenzene					
2428 – sec-Butylbenzene					
2426 – tert-Butylbenzene					
1902 – Carbon disulfide					
2982 – Carbon tetrachloride		2			
2466 – Chloracetonitrile					
2989 – Chlorobenzene		50			
2086 – 1-Chlorobutane					
2216 – Chloroethane					
2941 – Chloroform					
2210 – Chloromethane					
2965 – 2-Chlorotoluene					
2966 – 4-Chlorotoluene					
2944 – Dibromochloromethane					
2931 – 1,2-Dibromo-3-chloropropane					
2946 – 1,2,-Dibromoethane					
2408 – Dibromoethane					
2968 – 1,2-Dichlorobenzene		600			
2967 – 1,3-Dichlorobenzene		600			
2969 – 1,4-Dichlorobenzene		75			
2970 – trans-1,4-Dichloro-2-butene					
2212 – Dichlorodifluoromethane					

System Name _____ PWS ID# ___ ___ ___ ___ ___ ___ ___

Facility ID # ___ ___

524.2

Collection Date

Contaminant ID and Name	"X" if > MCL ug/l	MCL Ug/l	MDL ug/l	Analysis Results	
				Sign (<)	ug/l
2978 – 1,1-Dichloroethane		50			
2980 – 1,2-Dichloroethane		2			
2977 – 1,1-Dichloroethene		2			
2380 – cis-1,2-Dichloroethene		70			
2979 – trans-1,2-Dichloroethene		100			
2983 – 1,2-Dichloropropane		5			
2412 – 1,3-Dichloropropane					
2416 – 2,2 Dichloropropane					
2410 – 1,1-Dichloropropene					
2463 – 1,1-Dichloropropanone					
2228 – cis-1,3-Dichloropropene					
2224 – trans-1,3-Dichloropropene					
2090 – Diethyl ether					
2992 – Ethylbenzene		700			
2293 – Ethyl methacrylate					
2246 – Hexachlorobutadiene					
2225 – Hexachloroethane					
2269 – 2-Hexanone					
2994 – Isopropylbenzene					
2030 – 4-Isopropyltoluene					
2467 – Methacrylonitrile					
2297 – Methylacrylate					
2964 – Methylene chloride		3			
2458 – Methyl iodide					
2295 – Methylmethacrylate					
2277 – 4-Methyl-2-pentanone					
2251 – Methyl-t-butyl ether		70			
2248 – Naphthalene		300			
2254 – Nitrobenzene					
2469 – 2-Nitropropane					
2327 – Pentachloroethane					
2468 – Propionitrile					
2998 – n-Propylbenzene					
2996 – Styrene		100			
2986 – 1,1,1,2-Tetrachloroethane					
2988 – 1,1,2,2-Tetrachloroethane		1			
2987 – Tetrachloroethane		1			
2263 – Tetrahydrofuran					

System Name _____ PWS ID# ___ ___ ___ ___ ___ ___ ___

524.2

Facility ID # ___ ___

Collection Date

Contaminant ID and Name	"X" if > MCL ug/l	MCL Ug/l	MDL ug/l	Analysis Results	
				Sign (<)	ug/l
2991 – Toluene		1000			
2420 – 1,2,3-Trichlorobenzene					
2378 – 1,2,4-Trichlorobenzene		9			
2981 – 1,1,1-Trichloroethane		30			
2985 – 1,1,2-Trichloroethane		3			
2984 – Trichloroethane		1			
2218 – Trichlorofluoromethane					
2414 – 1,2,3 Trichloropropane					
2418 – 1,2,4-Trimethylbenzene					
2424 – 1,3,5-Trimethylbenzene					
2976 – Vinyl chloride		2			
2997 – o-Xylene					
2995 – m-Xylene					
2962 – p-Xylene					
2955 – Xylenes (Total)		1000			

☐ **Check if non-targeted compounds are found, then comment.***

Lab Sample ID#_____

I certify that this water sample was collected in accordance with approved procedures established be the New Jersey Department of Environmental Protection from the location described above.

Name _____ of _____

I certify that this water sample was analyzed in accordance with approved procedures established be the New Jersey Department of Environmental Protection.

Print Name _____ Signature _____ Date _____

Form prepared by: _____ Owner/Operator or _____ Laboratory Phone No. (____) _____

EPA ANALYSIS METHOD

524.2 – Volatile Organic Compounds in Water by Purge and Trap Capillary Column Gas Chromatography/Mass Spectrometry.

SAMPLE TYPE

C-Check Sample P – Plant Tap (Treated Water) Sample R – Raw Water (Untreated) Sample

***Comments:**

Compound **Approximate % Confidence**