

WRRC VOC report for Sample: 9-8-KDP-4. From: Kai Nana PI, Collected: 9/8/2023 1

Peak - All Units in (ppb)	9-8-KDP-4	Reporting_Limit	EPA MCLG	EPA MCL	MN Short-term	MN Chronic
Chloromethane (methyl chloride)	BRL	2.0				
Chloroethene (vinyl chloride)	BRL	2.0	0.0	2.0		10.0
Bromomethane (methyl bromide)	BRL	2.0				10.0
Chloroethane (ethyl chloride)	BRL	2.0				
Trichlorofluoromethane	BRL	2.0	150.0			2000.0
Diethyl ether	BRL	2.0				
1,1-Dichloroethene	BRL	2.0				
Acetone	33.7	3.6			9000.0	4000.0
Iodomethane	BRL	2.0				
Carbon disulfide	BRL	2.0				700.0
3-Chloropropene (allyl chloride)	BRL	2.0				30.0
Methylene chloride	BRL	2.0				5.0
trans-1,2-Dichloroethene	BRL	2.0	100.0	100.0		9.0
Methyl tert-butyl ether (MTBE)	BRL	2.0	13.0		700.0	700.0
1,1-Dichloroethane	BRL	2.0	0.0	5.0	400.0	80.0
2,2-Dichloropropane	BRL	2.0	7.0	7.0		
cis-1,2-Dichloroethene	BRL	2.0	7.0	7.0	20.0	6.0
2-Butanone (MEK)	BRL	3.6				4000.0
Methyl acrylate	BRL	2.0				
Methacrylonitrile	BRL	2.0				
Bromochloromethane	BRL	2.0				
Tetrahydrofuran	BRL	2.0			600.0	600.0
Trichloromethane (chloroform)	34.5	2.0	70.0		20.0	20.0
1,1,1-Trichloroethane	BRL	2.0	200.0	200.0		5000.0
1-Chlorobutane (butyl chloride)	BRL	2.0				
Carbon tetrachloride	BRL	2.0	0.0	5.0	3.0	3.0
1,1-Dichloropropene	BRL	2.0				
Benzene	BRL	2.0	0.0	5.0	10.0	3.0
1,2-Dichloroethane	BRL	2.0	0.0	5.0	200.0	60.0
Trichloroethene	BRL	2.0				
1,2-Dichloropropane	BRL	2.0	0.0	5.0	20.0	20.0
Dibromomethane	BRL	2.0				
Methyl methacrylate	BRL	2.0				
Bromodichloromethane	7.7	2.0	0.0		30.0	30.0
2-Nitropropane	BRL	2.0				
cis-1,3-Dichloropropene	BRL	2.0				
4-Methyl-2-pentanone (MIBK)	BRL	3.6				
Toluene	BRL	2.0	1000.0	1000.0	70.0	70.0
trans-1,3-Dichloropropene	BRL	2.0	3.0	5.0		
Ethyl methacrylate	BRL	2.0				
1,1,2-Trichloroethane	BRL	2.0	3.0	5.0		3.0
Tetrachloroethene	BRL	2.0				
1,3-Dichloropropane	BRL	2.0				
2-Hexanone	BRL	3.6				
Dibromochloromethane	2.8	2.0	60.0			10.0
1,2-Dibromoethane (EDB)	BRL	2.0			10.0	9.0
Chlorobenzene	BRL	2.0	100.0	100.0		100.0
1,1,1,2-Tetrachloroethane	BRL	2.0				70.0
Ethylbenzene	BRL	2.0	700.0	700.0	40.0	40.0
m/p-Xylene	BRL	2.0	10000.0	10000.0	300.0	300.0
o-Xylene	BRL	2.0	10000.0	10000.0	300.0	300.0
Styrene	BRL	2.0	100.0	100.0		
Bromoform	BRL	2.0	0.0			
Isopropylbenzene (cumene)	BRL	2.0				300.0
Bromobenzene	BRL	2.0				
trans-1,4-Dichloro-2-butene	BRL	2.0				
1,1,2,2-Tetrachloroethane	BRL	2.0	1.0			
1,2,3-Trichloropropane (TCP)	BRL	2.0	0.005		7.0	7.0
n-Propylbenzene	BRL	2.0				
2-Chlorotoluene	BRL	2.0				
1,3,5-Trimethylbenzene	BRL	2.0			30.0	30.0
4-Chlorotoluene	BRL	2.0				
tert-Butylbenzene	BRL	2.0				
Pentachloroethane	BRL	2.0				
1,2,4-Trimethylbenzene	BRL	2.0			30.0	30.0
1-Methylpropylbenzene (sec-butylbenzene)	BRL	2.0				
1,3-Dichlorobenzene	BRL	2.0				
4-Isopropyltoluene (p-cymene)	BRL	2.0				
1,4-Dichlorobenzene	BRL	2.0			50.0	50.0
n-Butylbenzene	BRL	2.0				
1,2-Dichlorobenzene	BRL	2.0				600.0
Hexachloroethane	BRL	2.0				
1,2-Dibromo-3-chloropropane (DBCP)	BRL	2.0	0.0	0.2		
Nitrobenzene	BRL	2.0				
1,2,4-Trichlorobenzene	BRL	2.0	70.0	70.0	100.0	100.0
Hexachloro-1,3-butadiene	BRL	2.0				
Naphthalene	BRL	2.0			70.0	70.0
1,2,3-Trichlorobenzene	BRL	2.0				
	BRL					
Total Trihalomethanes	45.4	2.0		80.0		

KEY
 Reporting Limit = The smallest concentration (in ppb) we can report based on our calibration curve
 BRL = Value detected is below the reporting limit
 EPA MCLG = The EPA and HI DOH Maximum Contaminant Level Goal, or the California MCL
 EPA MCL = The EPA and HI DOH regulatory Maximum Contaminant Level (legal limit)
 Short-term = Short-term exposure health limit denoted by MN Dept. of Health
 Chronic = Long-term exposure health limit denoted by MN Dept. of Health
 Colors: RED is above EPA MCL, YELLOW is detectable above chronic health limit or EPA MCLG, ORANGE is above Short-term limit, GREEN is below all limits
 Created on 2023-10-03 by CKS. Questions? email: infowrrc@hawaii.edu