

## SUMMARY OF COMPOUND DETECTIONS AND CONCENTRATIONS

Table 9. Semivolatile organic compounds, organochlorine compounds, and trace elements not detected in fish tissue or bed sediment of the Red River of the North Basin Study Unit

<b>Semivolatile organic compounds</b>	<i>N</i> -Nitrosodi- <i>n</i> -propylamine	form), Dibromochloromethane,	Ambushfog, Kafil, Perthrine,
	Nitrobenzene	Bromodichloromethane, Tri-	Picket, Picket G, Dragnet, Tal-
1,2,4-Trichlorobenzene	Pentachloronitrobenzene	bromomethane (Bromoform))	cord, Outflank, Stockade,
1,2-Dichlorobenzene ( <i>o</i> -Dichlorobenzene, 1,2-DCB)	bis (2-Chloroethoxy)methane	Toxaphene (Camphechlor, Hercules 3956)	Eksmin, Coopex, Peregin, Stomoxin, Stomoxin P, Qamlin, Corsair, Tornade)
1,3-Dichlorobenzene ( <i>m</i> -Dichlorobenzene)	bis (2-Chloroisopropyl)ether		
1,4-Dichlorobenzene ( <i>p</i> -Dichlorobenzene, 1,4-DCB)	<b>Organochlorine compounds</b>	<i>alpha</i> -HCH ( <i>alpha</i> -BHC, <i>alpha</i> -lindane, <i>alpha</i> -hexachlorocyclohexane, <i>alpha</i> -benzene hexachloride)	<b>Trace elements</b>
2,3,5,6-Tetramethylphenol	Aldrin (HHDN, Octalene)	<i>beta</i> -HCH ( <i>beta</i> -BHC, <i>beta</i> -hexachlorocyclohexane, <i>alpha</i> -benzene hexachloride)	No non-detects
2,4,6-Trichlorophenol	Chloroneb (chloronebe, Demosan, Soil Fungicide 1823)	<i>cis</i> -Permethrin (Ambush, Astro, Pounce, Pramex, Pertox, Ambushfog, Kafil, Perthrine, Picket, Picket G, Dragnet, Talcord, Outflank, Stockade, Eksmin, Coopex, Peregin, Stomoxin, Stomoxin P, Qamlin, Corsair, Tornade)	
2,4,6-Trimethylphenol	DCPA (Dacthal, chlorthal-dimethyl)	<i>delta</i> -HCH ( <i>delta</i> -BHC, <i>delta</i> -hexachlorocyclohexane, <i>delta</i> -benzene hexachloride)	
2,4-Dichlorophenol	Dieldrin (Panoram D-31, Octalox, Compound 497, Aldrin epoxide)	<i>gamma</i> -HCH (Lindane, <i>gamma</i> -BHC, Gammexane, Gexane, Soproicide, <i>gamma</i> -hexachlorocyclohexane, <i>gamma</i> -benzene hexachloride, <i>gamma</i> -benzene)	
2,4-Dinitrophenol	Endosulfan I ( <i>alpha</i> -Endosulfan, Thiodan, Cyclodan, Beosit, Malix, Thimul, Thifor)	<i>o,p'</i> -Methoxychlor	
2,4-Dinitrotoluene	Endrin (Endrine)	<i>p,p'</i> -Methoxychlor (Marlate, methoxychlor)	
2,6-Dinitrotoluene	Heptachlor epoxide (Heptachlor metabolite)	<i>trans</i> -Permethrin (Ambush, Astro, Pounce, Pramex, Pertox,	
2-Chloronaphthalene	Heptachlor (Heptachlore, Vel-sicol 104)		
2-Chlorophenol	Hexachlorobenzene (HCB)		
2-Nitrophenol	Isodrin (Isodrine, Compound 711)		
4,6-Dinitro-2-methylphenol	Mirex (Dechlorane)		
4-Bromophenyl-phenylether	Pentachloroanisole (PCA, pentachlorophenol metabolite)		
4-Chlorophenyl-phenylether	Total Trihalomethanes (Trichloromethane (Chloro-		
4-Nitrophenol			
Azobenzene			
Benzo [ <i>c</i> ] cinnoline			
C8-Alkylphenol			
Hexachlorobutadiene			
Hexachlorocyclopentadiene			
Hexachloroethane			
Isophorone			

<sup>a</sup> Selected water-quality standards and guidelines (Gilliom and others, in press).

<sup>b</sup> Rates of detection are based on the number of analyses and detections in the Study Unit, not on national data. Rates of detection for herbicides and insecticides were computed by only counting detections equal to or greater than 0.01 µg/L in order to facilitate equal comparisons among compounds, which had widely varying detection limits. For herbicides and insecticides, a detection rate of “<1%” means that all detections are less than 0.01 µg/L, or the detection rate rounds to less than one percent. For other compound groups, all detections were counted and minimum detection limits for most compounds were similar to the lower end of the national ranges shown. Method detection limits for all compounds in these tables are summarized in Gilliom and others (in press).

<sup>c</sup> Detections of these compounds are reliable, but concentrations are determined with greater uncertainty than for the other compounds and are reported as estimated values (Zaugg and others, 1995).

<sup>d</sup> The guideline for methyl *tert*-butyl ether is between 20 and 40 µg/L; if the tentative cancer classification C is accepted, the lifetime health advisory will be 20 µg/L (Gilliom and others, in press).

<sup>e</sup> Selected sediment-quality guidelines (Gilliom and others, in press).