

Sioux Falls Water Division
Phase II and V Synthetic Organic Chemicals
2018

Parameter	Detection Limit	Finished Water	Finished Water	Finished Water	Finished Water	Lewis and Clark	MCL
	µg/L	26-Feb	15-May	22-Aug	18-Nov	15-May	µg/L
Phase II & V SOCs							
Alachlor (Lasso), ug/L	0.05	BDL	BDL	BDL	BDL	BDL	2
Aldicarb, ug/L	0.5	BDL	BDL	BDL	BDL	BDL	3#
Aldicarb Sulfone, ug/L	0.5	BDL	BDL	BDL	BDL	BDL	2#
Aldicarb Sulfoxide, ug/L	0.5	BDL	BDL	BDL	BDL	BDL	4#
Aldrin, ug/L	0.01	BDL	BDL	BDL	BDL	BDL	-
Aroclor 1016, ug/L	0.07	BDL	BDL	BDL	BDL	BDL	*
Aroclor 1221, ug/L	0.1	BDL	BDL	BDL	BDL	BDL	*
Aroclor 1232, ug/L	0.1	BDL	BDL	BDL	BDL	BDL	*
Aroclor 1242, ug/L	0.1	BDL	BDL	BDL	BDL	BDL	*
Aroclor 1248, ug/L	0.1	BDL	BDL	BDL	BDL	BDL	*
Aroclor 1254, ug/L	0.1	BDL	BDL	BDL	BDL	BDL	*
Aroclor 1260, ug/L	0.1	BDL	BDL	BDL	BDL	BDL	*
Atrazine, ug/L	0.05	BDL	BDL	BDL	BDL	BDL	3
Benzo(a)pyrene, ug/L	0.02	BDL	BDL	BDL	BDL	BDL	0.2
Butachlor, ug/L	0.05	BDL	BDL	BDL	BDL	BDL	-
Carbaryl, ug/L	0.5	BDL	BDL	BDL	BDL	BDL	-
Carbofuran, ug/L	0.5	BDL	BDL	BDL	BDL	BDL	40
Alpha-Chlordane, ug/L	0.05	BDL	BDL	BDL	BDL	BDL	-
gamma-Chlordane, ug/L	0.05	BDL	BDL	BDL	BDL	BDL	-
Chlordane, ug/L	0.1	BDL	BDL	BDL	BDL	BDL	2
2,4-D, ug/L	0.1	BDL	BDL	BDL	BDL	BDL	70
Dalapon, ug/L	1	BDL	BDL	BDL	BDL	BDL	200
1,2-Dibromo-3-chloropropane, ug/L	0.01	BDL	BDL	BDL	BDL	BDL	0.2
Dicamba, ug/L	0.08	BDL	BDL	BDL	BDL	BDL	-
Dieldrin, ug/L	0.01	BDL	BDL	BDL	BDL	BDL	-
Di (2-ethylhexyl) adipate, ug/L	0.6	BDL	BDL	BDL	BDL	BDL	400
Di (2-ethylhexyl) phthalate, ug/L	0.6	BDL	BDL	BDL	BDL	BDL	6
Dinoseb, ug/L	0.2	BDL	BDL	BDL	BDL	BDL	7
Diquat, ug/L	0.4	BDL	BDL	BDL	BDL	BDL	20
Endothal, ug/L	20	BDL	BDL	BDL	BDL	BDL	100
Endrin, ug/L	0.01	BDL	BDL	BDL	BDL	BDL	2
Ethylene Dibromide (EDB), ug/L	0.01	BDL	BDL	BDL	BDL	BDL	0.05
Glyphosate (Roundup), ug/L	6	BDL	BDL	BDL	BDL	BDL	700
Heptachlor, ug/L	0.01	BDL	BDL	BDL	BDL	BDL	0.4
Heptachlor Epoxide, ug/L	0.01	BDL	BDL	BDL	BDL	BDL	0.2
Hexachlorobenzene, ug/L	0.05	BDL	BDL	BDL	BDL	BDL	1
Hexachlorocyclopentadiene, ug/L	0.05	BDL	BDL	BDL	BDL	BDL	50
3-Hydroxycarbofuran, ug/L	0.5	BDL	BDL	BDL	BDL	BDL	-
Lindane (gamma-BHC), ug/L	0.01	BDL	BDL	BDL	BDL	BDL	0.2
Methoxychlor, ug/L	0.1	BDL	BDL	BDL	BDL	BDL	40
Methomyl, ug/L	0.5	BDL	BDL	BDL	BDL	BDL	-
Metolachlor (Dual), ug/L	0.05	BDL	BDL	BDL	BDL	BDL	-
Metribuzin (Sencor), ug/L	0.05	BDL	BDL	BDL	BDL	BDL	-
Oxamyl (Vydate), ug/L	0.5	BDL	BDL	BDL	BDL	BDL	200
Pentachlorophenol, ug/L	0.04	BDL	BDL	BDL	BDL	BDL	1

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	µg/L	26-Feb	15-May	22-Aug	18-Nov	15-May	µg/L
Phase II & V SOCs (Cont)							
Picloram (Tordon), ug/L	0.1	BDL	BDL	BDL	BDL	BDL	500
Propachlor, ug/L	0.05	BDL	BDL	BDL	BDL	BDL	-
2,4,5-TP (Silvex), ug/L	0.2	BDL	BDL	BDL	BDL	BDL	50
Simazine, ug/L	0.05	BDL	BDL	BDL	BDL	BDL	4
2,3,7,8-TCDD (Dioxin), ug/L ¹	5.00E-06						0.00003
Toxaphene, ug/L	0.5	BDL	BDL	BDL	BDL	BDL	3

µg/L = microgram per liter or parts per billion

MCL = Maximum Contaminant Level

BDL = Below Detection Limit

Phase II and V SOC analysis performed by Eurofins Eaton Analytical, Monrovia, CA

= MCLs are currently postponed. No new effective date has been released.

* Any positive Aroclor result would require analysis for total PCB as decachlorobiphenyl. (MCL = 0.5 ug/L).

1 All Public Water Systems in South Dakota have a waiver for the analysis of Dioxin.

All results listed are in micrograms per liter (µg/L)

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Additional SOCs reported	Detection Limit µg/L	Finished Water 26-Feb	Finished Water 15-May	Finished Water 22-Aug	Finished Water 18-Nov	Lewis and Clark 15-May	MCL µg/L
2,4-Dinitrotoluene	0.1	BDL	BDL	BDL	BDL	BDL	-
Diazinon	0.1	BDL	BDL	BDL	BDL	BDL	-
Acenaphthylene	0.1	BDL	BDL	BDL	BDL	BDL	-
Anthracene	0.02	BDL	BDL	BDL	BDL	BDL	-
Benz(a) Anthracene	0.05	BDL	BDL	BDL	BDL	BDL	-
Benzo (b) Fluoranthene	0.02	BDL	BDL	BDL	BDL	BDL	-
Benzo (g,h,i) Perylene	0.05	BDL	BDL	BDL	BDL	BDL	-
Benzo (k) Fluoranthene	0.02	BDL	BDL	BDL	BDL	BDL	-
Butylbenzylphthalate	0.5	BDL	BDL	BDL	BDL	BDL	-
Bromacil	0.2	BDL	BDL	BDL	BDL	BDL	-
Caffeine	0.05	BDL	BDL	BDL	BDL	BDL	-
Chrysene	0.02	BDL	BDL	BDL	BDL	BDL	-
Dibenz (a,h) Anthracene	0.05	BDL	BDL	BDL	BDL	BDL	-
Diethylphthalate	0.5	BDL	1.3 **	BDL	BDL	BDL	-
Dimethylphthalate	0.5	BDL	BDL	BDL	BDL	BDL	-
Dimethoate	2	BDL	BDL	BDL	BDL	BDL	-
Di-n-Butylphthalate	1	BDL	BDL	BDL	BDL	BDL	-
Fluoranthene	0.1	BDL	BDL	BDL	BDL	BDL	-
Fluorene	0.05	BDL	BDL	BDL	BDL	BDL	-
Hepthachlor Epoxide (isomer B)	0.02	BDL	BDL	BDL	BDL	BDL	-
Indeno (1,2,3,c,d) Pyrene	0.05	BDL	BDL	BDL	BDL	BDL	-
Isophorone	0.5	BDL	BDL	BDL	BDL	BDL	-
Molinate	0.2	BDL	BDL	BDL	BDL	BDL	-
trans-Nonachlor	0.05	BDL	BDL	BDL	BDL	BDL	-
Phenanthrene	0.02	BDL	BDL	BDL	BDL	BDL	-
Pyrene	0.05	BDL	BDL	BDL	BDL	BDL	-
Thiobencarb	0.2	BDL	BDL	BDL	BDL	BDL	-
Trifluralin	0.1	BDL	BDL	BDL	BDL	BDL	-
Baygon	0.5	BDL	BDL	BDL	BDL	BDL	-
Methiocarb	0.5	BDL	BDL	BDL	BDL	BDL	-
Paraquat	2	BDL	BDL	BDL	BDL	BDL	-
2,4,5 - T	0.2	BDL	BDL	BDL	BDL	BDL	-
2,4 - DB	2	BDL	BDL	BDL	BDL	BDL	-
Dichloroprop	0.5	BDL	BDL	BDL	BDL	BDL	-
Acifluorfen	0.2	BDL	BDL	BDL	BDL	BDL	-
Bentazon	0.5	BDL	BDL	BDL	BDL	BDL	-
3,5 - Dichlorobenzoic Acid	0.5	BDL	BDL	BDL	BDL	BDL	-
Total DCPA Mono & Diacid Degradate	1	BDL	BDL	BDL	BDL	BDL	-

** = Resampled on July 10, 2018. Results for Diethylphthalate was below the detection limit
Diethylphthalate is not currently regulated in drinking water