

City of DeKalb

Utility Division

Water Analysis

	CONTAMINANT	MCL or TT (mg/l)	Potential health effects from long-term exposure above the MCL	Common sources of contaminant in drinking water	DeKalb's highest recorded result (mg/L)
OC	1,1,1-Trichloroethane	0.2	Liver, nervous system, or circulatory problems	Discharge from metal degreasing sites and other factories	nd
OC	1,1,2-Trichloroethane	0.005	Liver, kidney, or immune system problems	Discharge from industrial chemical factories	nd
OC	1,1-Dichloroethylene	0.007	Liver problems	Discharge from industrial chemical factories	nd
OC	1,2,4-Trichlorobenzene	0.07	Changes in adrenal glands	Discharge from textile finishing factories	nd
OC	1,2-Dibromo-3-chloropropane	0.0002	Reproductive difficulties; increased risk of cancer	Runoff/leaching from soil fumigant used on soybeans, cotton, pineapples, and orchards	nd
OC	1,2-Dichlorobenzene (o-Dichlorobenzene)	0.6	Liver, kidney, or circulatory system problems	Discharge from industrial chemical factories	nd
OC	1,2-Dichloroethane	0.005	Increased risk of cancer	Discharge from industrial chemical factories	nd
OC	1,2-Dichloropropane	0.005	Increased risk of cancer	Discharge from industrial chemical factories	nd
	1,3-dinitrobenzene				nd
OC	1,4-Dichlorobenzene (p-Dichlorobenzene)	0.075	Anemia; liver, kidney or spleen damage; changes in blood	Discharge from industrial chemical factories	nd
OC	2,4,5-tp - Silvex	0.05	Liver problems	Residue of banned herbicide	nd
OC	2,4-D	0.07	Kidney, liver, or adrenal gland problems	Runoff from herbicide used on row crops	nd
	2,6-dinitrotoluene				nd
OC	3-hydroxycarbofuran				nd
	4,4'-dde				nd
OC	Acetochlor		Carcinogen, Thyroid problems	Herbicide runoff	nd
	Acifluorfen		Carcinogen, Kidney problems	Herbicide runoff	nd
OC	Acrylamide	TT ¹	Nervous system or blood problems; increased risk of cancer	Added to water during sewage/wastewater treatment	nd
OC	Alachlor	0.002	Eye, liver, kidney or spleen problems; anemia; increased risk of cancer	Runoff from herbicide used on row crops	nd
	Aldrin			Insecticide	nd
	Alpha-BHC				nd
	Alpha-hexzchlorocyclohexan				nd
	Alkalinity				300
	Ammonia-n				0.00024
IOC	Antimony	0.006	Increase in blood cholesterol; decrease in blood sugar	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder	nd
IOC	Arsenic	0.01	Skin damage or problems with circulatory systems; and may have increased risk of getting cancer	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes	0.0018
IOC	Asbestos	7 million fibers per Liter (MFL)	Increased risk of developing benign intestinal polyps	Decay of asbestos cement in mains; erosion of natural deposits	
OC	Atrazine	0.003	Cardiovascular system or reproductive problems	Runoff from herbicide used on row crops	nd
IOC	Barium	2	Increase in blood pressure	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits	0.69
OC	BDE-100		may effect liver, thyroid, and neurobehavioral development	Flame retardent	nd
OC	BDE-153		may effect liver, thyroid, and neurobehavioral development	Flame retardent	nd
OC	BDE-47		may effect liver, thyroid, and neurobehavioral development	Flame retardent	nd
OC	BDE-99		may effect liver, thyroid, and neurobehavioral development	Flame retardent	nd
OC	Benzene	0.005	Anemia; decrease in blood platelets; increased risk of cancer	Discharge from factories; leaching from gas storage tanks and landfills	nd
OC	Benzo-a-pyrene	0.0002	Reproductive difficulties; increased risk of cancer	Leaching from linings of water storage tanks and distribution lines	nd

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IOC	Beryllium	0.004	Intestinal lesions	Discharge from metal refineries and coal-burning factories; discharge from electrical, aerospace, and defense industries	nd
IOC	boron				0.189
OC	bromacil			Herbicide/pesticide runoff	nd
	Bromide				.06 mg/L
DBP	Bromate	0.01	Increased risk of cancer	Byproduct of drinking water disinfection	
DBP	bromodichloromethane		Increased risk of cancer	Byproduct of drinking water disinfection	0.00338
	Butylated hydroxyanisole(BHA)				nd
DBP	bromoform		Increased risk of cancer	Byproduct of drinking water disinfection	0.0005
IOC	Cadmium	0.005	Kidney damage	Corrosion of galvanized pipes; erosion of natural deposits; discharge from metal refineries; runoff from waste batteries and paints	0.06
	Calcium				49.1
OC	Carbofuran	0.04	Problems with blood, nervous system, or reproductive system	Leaching of soil fumigant used on rice and alfalfa	nd
OC	Carbon tetrachloride	0.005	Liver problems; increased risk of cancer	Discharge from chemical plants and other industrial activities	nd
OC	Chlordane	0.002	Liver or nervous problems; increased risk of cancer	Residue of banned termiticide	nd
	Chloride				6.2
D	Chlorine (as Cl ₂)	MRDL = 4.0	Eye/nose irritation; stomach discomfort	Water additive used to control microbes	2.2
D	Chlorine dioxide (as ClO ₂)	MRDL = 0.8	Anemia; infants, young children, and fetuses of pregnant women: nervous system effects	Water additive used to control microbes	
DBP	Chlorite	1	Anemia; infants, young children, and fetuses of pregnant women: nervous system effects	Byproduct of drinking water disinfection	
OC	Chlorobenzene	0.1	Liver or Kidney problems	Discharge from chemical and agricultural chemical factories	nd
DBP	chlorodibromomethane			Byproduct of drinking water disinfection	nd
OC	chloroform				0.0251
OC	chloromethane		Neurological effects, blood pressure,liver and kidney effects	Discharge from plastic and agricultural factories	nd
D	Chloramines (as Cl ₂)	MRDL = 4.0	Eye/nose irritation; stomach discomfort; anemia	Water additive used to control microbes	
	Chlorpyrifos				nd
IOC	Chromium	0.1	Allergic dermatitis	Discharge from steel and pulp mills; erosion of natural deposits	nd
OC	cis-1,2-Dichloroethylene	0.07	Liver problems	Discharge from industrial chemical factories	nd
	conductivity				559 us/cm
IOC	Copper	TT Action level = 1.3	Short-term exposure: Gastrointestinal distress. Long-term exposure: Liver or kidney damage. People with Wilson's Disease should consult their personal doctor if the amount of copper in their water exceeds the action level	Corrosion of household plumbing systems; erosion of natural deposits	nd
M	Cryptosporidium	TT	Short-term exposure: Gastrointestinal illness (e.g. diarrhea, vomiting, cramps)	Human and animal fecal waste	*more associated with surface water
IOC	Cyanide	0.2	Nerve damage or thyroid problems	Discharge from steel/metal factories; discharge from plastic and fertilizer factories	nd
OC	dacthal		Reproductive difficulties; increased risk of cancer; liver damage	Runoff from herbicides	nd
OC	Dalapon	0.2	Minor kidney changes	Runoff from herbicide used on rights of way	nd
	dcpa mono/di-acid degradate				nd
	ddt - total				nd
OC	Di-2-ethylhexyl-adipate	0.4	Weight loss, liver problems, or possible reproductive difficulties	Discharge from chemical factories	nd
OC	Di-2-ethylhexyl-phthalate	0.006	Reproductive difficulties; liver problems; increased risk of cancer	Discharge from rubber and chemical factories	nd
DBP	dibromoacetic acid		Liver problems	Byproduct of drinking water disinfection	0.001

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	dicamba			Runoff from herbicide use	nd
DBP	dichloroacetic acid		Liver problems	Byproduct of drinking water disinfection	0.00784
OC	Dibromochloromethane	0.005	Liver problems; increased risk of cancer	Discharge from drug and chemical factories	nd
	dieldrin				nd
	Dimethipin				nd
	dimethoate				nd
OC	Dinoseb	0.007	Reproductive difficulties	Runoff from herbicide used on soybeans and vegetables	nd
OC	Dioxin	0.00000003	Reproductive difficulties; increased risk of cancer	Emissions from waste incineration and other combustion; discharge from chemical factories	
OC	Diquat	0.02	Cataracts	Runoff from herbicide use	nd
OC	Endothall	0.1	Stomach and intestinal problems	Runoff from herbicide use	nd
OC	Endrin	0.002	Liver problems	Residue of banned insecticide	nd
OC	Epichlorohydrin	TT ⁴	Increased cancer risk; stomach problems	Discharge from industrial chemical factories; an impurity of some water treatment chemicals	
	eptc				nd
	Ethoprop				nd
OC	Ethylbenzene	0.7	Liver or kidney problems	Discharge from petroleum refineries	nd
OC	Ethylene dibromide	0.00005	Problems with liver, stomach, reproductive system, or kidneys; increased risk of cancer	Discharge from petroleum refineries	nd
M	Fecal coliform and <i>E. Coli</i>	MCL ⁶	Fecal coliforms and <i>E. Coli</i> are bacteria whose presence indicates that the water may be contaminated with human or animal wastes. Microbes in these wastes may cause short term effects, such as diarrhea, cramps, nausea, headaches, or other symptoms. They may pose a special health risk for infants, young children, and people with severely compromised immune systems.	Human and animal fecal waste	0 positive samples in 2024
IOC	Fluoride	4	Bone disease (pain and tenderness of the bones); children may get mottled teeth	Water additive which promotes stornig teeth; erosion of natural deposits; discharge from fertilizer and aluminum factories	0.851
M	<i>Giardia lamblia</i>	TT ⁷	Short term exposure: Gastrointestinal illness (e.g., diarrhea, vommiting, cramps)	Human and animal fecal waste	*more associated with surface water
	Germanium				0.0000382
OC	Glyphosate	0.7	Kidney problems, reproductive difculties	Runoff from herbicide use	
R	Gross alpha/photon emitters	15 pCi/l	Increased risk of cancer	Erosion of natural deposits of certain minerals that are radioactive and may emit a form of radiation known as alpha radiation	16.6 pCi/L
R	Gross beta photon emitters	4 millirems per year	Increased risk of cancer	Decay of natural and man-made deposits of certain minerals that are radioactive and may emit forms of radiation known as photons and beta radiation	7 pCi/L
DBP	Haloacetic acids (HAA5)	0.06	Increased risk of cancer	Byproduct of drinking water disinfection	0.0224
	hardness (divide by 17.1 to get grains/gal				180
	HBB				nd
OC	Heptachlor	0.0004	Liver damage; increased risk of cancer	Residue of banned termiteicide	nd
OC	Heptachlor epoxide	0.0002	Liver damage; increased risk of cancer	Breakdown of heptachlor	nd
M	Heterotrophic plate count (HPC)	TT ⁷	HPC has no health effects; it is an analytic method used to measure the variety of bacteria that are common in water. The lower the concentration of the bacteria in drinking water, the better maintained the water system is.	HPC measures a range of bacteria that are naturally present in the environment	
OC	Hexachlorobenzene	0.001	Liver or kidney problems; reproductive difficulties; increased risk of cancer	Discharge from metal refineries and agricultural chemical factories	nd
OC	Hexachlorocyclopentadiene	0.05	Kidney or stomach problems	Discharge from chemical factories	nd
	iron				0.26

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IOC	Lead	0.015	Infants and children: Delays in physical or mental development; children could show slight deficits in attention span and learning abilities; Adults: Kidney problems; high blood pressure	Corrosion of household plumbing systems; erosion of natural deposits	nd
M	<i>Legionella</i>	TT ⁷	Legionnaire's Disease, a type of pneumonia	Found naturally in water; multiplies in heating systems	*more associated with surface water
OC	Lindane	0.0002	Liver or kidney problems	Runoff/leaching from insecticide used on cattle, lumber, gardens	nd
	Lithium				0.0189
	manganese				0.0048
	Manganese				33
IOC	Mercury	0.002	Kidney damage	Erosion of natural deposits; discharge from refineries and factories; runoff from landfills and croplands	nd
OC	Methoxychlor	0.04	Reproductive difficulties	Runoff/leaching from insecticide used on fruits, vegetables, alfalfa, livestock	nd
	methyl tert-butyl ether				nd
	methylene chloride				nd
	2-Methoxyethanol				0.00004
	metolachlor				nd
	metribuzin				nd
	molinate				nd
	molybdenum				0.0048
	monobromoacetic acid				0.00396
	monochloroacetic acid				0.002
	n-butanol				0.0002
	nickel				nd
IOC	Nitrate	10	Infants below the age of six months who drink water containing nitrate in excess of the MCL could become seriously ill and, if untreated, may die. Symptoms include shortness of breath and blue-baby syndrome.	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits	0.16
	nitrate - nitrite				nd
IOC	Nitrite	1	Infants below the age of six months who drink water containing nitrate in excess of the MCL could become seriously ill and, if untreated, may die. Symptoms include shortness of breath and blue-baby syndrome.	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits	nd
	nitrobenzene				nd
	Nitrogen Gas				
	o-toluidine				nd
OC	Oxamyl	0.2	Slight nervous system effects	Runoff/leaching from insecticide used on apples, potatoes, and tomatoes	nd
	oxyfluorfen				nd
OC	Pentachlorophenol	0.001	Liver or kidney problems; increased cancer risk	Discharge from wood-preserving factories	nd
	perchlorate				nd
PFAS	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)		Increased cholesterol levels; decreased vaccine response in children; changes in liver enzymes; increased risk of high blood pressure or pre-eclampsia in pregnant women; increased risk of kidney or testicular cancer.	Teflon nonstick products, stains and water repellants, paints, cleaning products, food packaging and firefighting foams.	nd
PFAS	1,1H,1H,2H,2H-Perfluorooctae sulfonic acid (6:2FTS)		Increased cholesterol levels; decreased vaccine response in children; changes in liver enzymes; increased risk of high blood pressure or pre-eclampsia in pregnant women; increased risk of kidney or testicular cancer.	Teflon nonstick products, stains and water repellants, paints, cleaning products, food packaging and firefighting foams.	nd
PFAS	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)		Increased cholesterol levels; decreased vaccine response in children; changes in liver enzymes; increased risk of high blood pressure or pre-eclampsia in pregnant women; increased risk of kidney or testicular cancer.	Teflon nonstick products, stains and water repellants, paints, cleaning products, food packaging and firefighting foams.	nd
PFAS	9CI-PF3ONS/F-53B Major		Increased cholesterol levels; decreased vaccine response in children; changes in liver enzymes; increased risk of high blood pressure or pre-eclampsia in pregnant women; increased risk of kidney or testicular cancer.	Teflon nonstick products, stains and water repellants, paints, cleaning products, food packaging and firefighting foams.	nd

CONTAMINANT	MCL or TT (mg/l)	Potential health effects from long-term exposure above the MCL	Common sources of contaminant in drinking water	DeKalb's highest recorded result (mg/L)
PFAS	9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid	Increased cholesterol levels; decreased vaccine response in children; changes in liver enzymes; increased risk of high blood pressure or pre-eclampsia in pregnant women; increased risk of kidney or testicular cancer.	Teflon nonstick products, stains and water repellants, paints, cleaning products, food packaging and firefighting foams.	nd
PFAS	11-Cl-PF3OUdS/F-53B Minor	Increased cholesterol levels; decreased vaccine response in children; changes in liver enzymes; increased risk of high blood pressure or pre-eclampsia in pregnant women; increased risk of kidney or testicular cancer.	Teflon nonstick products, stains and water repellants, paints, cleaning products, food packaging and firefighting foams.	nd
PFAS	11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid	Increased cholesterol levels; decreased vaccine response in children; changes in liver enzymes; increased risk of high blood pressure or pre-eclampsia in pregnant women; increased risk of kidney or testicular cancer.	Teflon nonstick products, stains and water repellants, paints, cleaning products, food packaging and firefighting foams.	nd
PFAS	ADONA	Increased cholesterol levels; decreased vaccine response in children; changes in liver enzymes; increased risk of high blood pressure or pre-eclampsia in pregnant women; increased risk of kidney or testicular cancer.	Teflon nonstick products, stains and water repellants, paints, cleaning products, food packaging and firefighting foams.	nd
PFAS	HFPO-DA/GenX	Increased cholesterol levels; decreased vaccine response in children; changes in liver enzymes; increased risk of high blood pressure or pre-eclampsia in pregnant women; increased risk of kidney or testicular cancer.	Teflon nonstick products, stains and water repellants, paints, cleaning products, food packaging and firefighting foams.	nd
PFAS	N-ethyl Perfluorooctanesulfonamidoacetic acid	Increased cholesterol levels; decreased vaccine response in children; changes in liver enzymes; increased risk of high blood pressure or pre-eclampsia in pregnant women; increased risk of kidney or testicular cancer.	Teflon nonstick products, stains and water repellants, paints, cleaning products, food packaging and firefighting foams.	nd
PFAS	N-methyl Perfluorooctanesulfonamidoacetic acid	Increased cholesterol levels; decreased vaccine response in children; changes in liver enzymes; increased risk of high blood pressure or pre-eclampsia in pregnant women; increased risk of kidney or testicular cancer.	Teflon nonstick products, stains and water repellants, paints, cleaning products, food packaging and firefighting foams.	nd
PFAS	Nonfluoro-3,6-dioxaheptanoic acid (NFDHA)	Increased cholesterol levels; decreased vaccine response in children; changes in liver enzymes; increased risk of high blood pressure or pre-eclampsia in pregnant women; increased risk of kidney or testicular cancer.	Teflon nonstick products, stains and water repellants, paints, cleaning products, food packaging and firefighting foams.	nd
PFAS	Perfluorobutanoic acid (PFBA)	Increased cholesterol levels; decreased vaccine response in children; changes in liver enzymes; increased risk of high blood pressure or pre-eclampsia in pregnant women; increased risk of kidney or testicular cancer.	Teflon nonstick products, stains and water repellants, paints, cleaning products, food packaging and firefighting foams.	nd
PFAS	Perfluorobutanesulfonic acid (PFBS)	Increased cholesterol levels; decreased vaccine response in children; changes in liver enzymes; increased risk of high blood pressure or pre-eclampsia in pregnant women; increased risk of kidney or testicular cancer.	Teflon nonstick products, stains and water repellants, paints, cleaning products, food packaging and firefighting foams.	nd
PFAS	Perfluorodecanoic acid (PFDA)	Increased cholesterol levels; decreased vaccine response in children; changes in liver enzymes; increased risk of high blood pressure or pre-eclampsia in pregnant women; increased risk of kidney or testicular cancer.	Teflon nonstick products, stains and water repellants, paints, cleaning products, food packaging and firefighting foams.	nd
PFAS	Perfluorododecanoic acid (PFDoA)	Increased cholesterol levels; decreased vaccine response in children; changes in liver enzymes; increased risk of high blood pressure or pre-eclampsia in pregnant women; increased risk of kidney or testicular cancer.	Teflon nonstick products, stains and water repellants, paints, cleaning products, food packaging and firefighting foams.	nd
PFAS	Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	Increased cholesterol levels; decreased vaccine response in children; changes in liver enzymes; increased risk of high blood pressure or pre-eclampsia in pregnant women; increased risk of kidney or testicular cancer.	Teflon nonstick products, stains and water repellants, paints, cleaning products, food packaging and firefighting foams.	nd
PFAS	Perfluoroheptanoic acid (PFHpA)	Increased cholesterol levels; decreased vaccine response in children; changes in liver enzymes; increased risk of high blood pressure or pre-eclampsia in pregnant women; increased risk of kidney or testicular cancer.	Teflon nonstick products, stains and water repellants, paints, cleaning products, food packaging and firefighting foams.	nd

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PFAS	Perfluoroheptanesulfonic acid (PFHpS)		Increased cholesterol levels; decreased vaccine response in children; changes in liver enzymes; increased risk of high blood pressure or pre-eclampsia in pregnant women; increased risk of kidney or testicular cancer.	Teflon nonstick products, stains and water repellants, paints, cleaning products, food packaging and firefighting foams.	nd
PFAS	Perfluorohexanoic acid (PFHxA)		Increased cholesterol levels; decreased vaccine response in children; changes in liver enzymes; increased risk of high blood pressure or pre-eclampsia in pregnant women; increased risk of kidney or testicular cancer.	Teflon nonstick products, stains and water repellants, paints, cleaning products, food packaging and firefighting foams.	nd
PFAS	Perfluorohexanesulfonic acid (PFHxS)		Increased cholesterol levels; decreased vaccine response in children; changes in liver enzymes; increased risk of high blood pressure or pre-eclampsia in pregnant women; increased risk of kidney or testicular cancer.	Teflon nonstick products, stains and water repellants, paints, cleaning products, food packaging and firefighting foams.	nd
PFAS	Perfluoro-4-methoxybutanoic acid (PFMBA)		Increased cholesterol levels; decreased vaccine response in children; changes in liver enzymes; increased risk of high blood pressure or pre-eclampsia in pregnant women; increased risk of kidney or testicular cancer.	Teflon nonstick products, stains and water repellants, paints, cleaning products, food packaging and firefighting foams.	nd
PFAS	Perfluoro-3-methoxypropanoic acid (PFMPA)		Increased cholesterol levels; decreased vaccine response in children; changes in liver enzymes; increased risk of high blood pressure or pre-eclampsia in pregnant women; increased risk of kidney or testicular cancer.	Teflon nonstick products, stains and water repellants, paints, cleaning products, food packaging and firefighting foams.	nd
PFAS	Perfluorononanoic acid (PFNA)		Increased cholesterol levels; decreased vaccine response in children; changes in liver enzymes; increased risk of high blood pressure or pre-eclampsia in pregnant women; increased risk of kidney or testicular cancer.	Teflon nonstick products, stains and water repellants, paints, cleaning products, food packaging and firefighting foams.	nd
PFAS	Perfluorooctanoic acid (PFOA)		Increased cholesterol levels; decreased vaccine response in children; changes in liver enzymes; increased risk of high blood pressure or pre-eclampsia in pregnant women; increased risk of kidney or testicular cancer.	Teflon nonstick products, stains and water repellants, paints, cleaning products, food packaging and firefighting foams.	nd
PFAS	Perfluorooctanesulfonic acid (PFOS)		Increased cholesterol levels; decreased vaccine response in children; changes in liver enzymes; increased risk of high blood pressure or pre-eclampsia in pregnant women; increased risk of kidney or testicular cancer.	Teflon nonstick products, stains and water repellants, paints, cleaning products, food packaging and firefighting foams.	nd
PFAS	Perfluoropentanoic acid (PFPeA)		Increased cholesterol levels; decreased vaccine response in children; changes in liver enzymes; increased risk of high blood pressure or pre-eclampsia in pregnant women; increased risk of kidney or testicular cancer.	Teflon nonstick products, stains and water repellants, paints, cleaning products, food packaging and firefighting foams.	nd
PFAS	Perfluoropentanesulfonic acid (PFPeS)		Increased cholesterol levels; decreased vaccine response in children; changes in liver enzymes; increased risk of high blood pressure or pre-eclampsia in pregnant women; increased risk of kidney or testicular cancer.	Teflon nonstick products, stains and water repellants, paints, cleaning products, food packaging and firefighting foams.	nd
PFAS	Perfluorotetradecanoic acid (PFTA)		Increased cholesterol levels; decreased vaccine response in children; changes in liver enzymes; increased risk of high blood pressure or pre-eclampsia in pregnant women; increased risk of kidney or testicular cancer.	Teflon nonstick products, stains and water repellants, paints, cleaning products, food packaging and firefighting foams.	nd
PFAS	Perfluorotetradecanoic acid (PFTeDA)		Increased cholesterol levels; decreased vaccine response in children; changes in liver enzymes; increased risk of high blood pressure or pre-eclampsia in pregnant women; increased risk of kidney or testicular cancer.		nd
PFAS	Perfluorotridecanoic acid (PFTTrDA)		Increased cholesterol levels; decreased vaccine response in children; changes in liver enzymes; increased risk of high blood pressure or pre-eclampsia in pregnant women; increased risk of kidney or testicular cancer.	Teflon nonstick products, stains and water repellants, paints, cleaning products, food packaging and firefighting foams.	nd
PFAS	Perfluoroundecanoic acid (PFUnA)		Increased cholesterol levels; decreased vaccine response in children; changes in liver enzymes; increased risk of high blood pressure or pre-eclampsia in pregnant women; increased risk of kidney or testicular cancer.	Teflon nonstick products, stains and water repellants, paints, cleaning products, food packaging and firefighting foams.	nd
permethrin					nd
pH					7.73

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	Profenofos				nd
OC	Picloram	0.5	Liver problems	Herbicide runoff	nd
OC	Polychlorinated biphenyls (PCB's)	0.0005	Skin changes; thymus gland problems; immune deficiencies; reproductive or nervous system difficulties; increased risk of cancer	Runoff from landfills; discharge of waste chemicals	
	Potassium				5.62
	prometon				nd
	propachlor				nd
	2-propen-1-ol				0.00005
	Quinoline				nd
R	Radium 224	5 pCi/l	Increased risk of cancer	Erosion of natural deposits	nd
R	Radium 226	5 pCi/l	Increased risk of cancer	Erosion of natural deposits	2.95
R	Radium 226 - 228 - combined	5 pCi/l	Increased risk of cancer	Erosion of natural deposits	5
R	Radium 228	5 pCi/l	Increased risk of cancer	Erosion of natural deposits	2.82
	RDX				nd
IOC	Selenium	0.05	Hair or fingernail loss; numbness in fingers or toes; circulatory problems	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines	nd
	Silica				8.08
OC	Simazine	0.004	Problems with blood	Herbicide runoff	nd
	sodium				92
	Strontium				0.879
OC	Styrene	0.1	Liver, kidney, or circulatory system problems	Discharge from rubber and plastic factories; leaching from landfills	nd
	sulfate				10
	Tebuconazole				nd
	temperature				13.8° C
	terbacil				nd
	terbufos-sulfone				nd
OC	Tetrachloroethylene	0.005	Liver problems; increased risk of cancer	Discharge from factories and dry cleaners	nd
IOC	Thallium	0.002	Hair loss; changes in blood; kidney, intestine or liver problems	Leaching from ore-processing sites; discharge from electronics, glass and drug factories	nd
	TNT (2,4,6-trinitrotolunene)				nd
OC	Toluene	1	Nervous system, kidney, or liver problems	Discharge from petroleum factories	nd
M	Total Coliforms	5.0%	Coliforms are bacteria that indicate that other, potentially harmful bacteria may be present. See fecal coliforms and <i>E. Coli</i>	Naturally present in the environment	1.9
	Total Dissolved Solids (TDS)				300
	Total Organic Carbon (TOC)				1.1
	Total permethrin (cis&trans)				nd
OC	Toxaphene	0.003	Kidney, liver, or thyroid problems; increased risk of cancer	Runoff/leaching from insecticide used on cotton and cattle	nd
OC	trans-1,2-Dichloroethylene	0.1	Liver problems	Discharge from industrial chemical factories	nd
	Tribufos				nd
DBP	trichloroacetic acid				0.0133
OC	Trichloroethylene	0.005	Liver problems; increased risk of cancer	Discharge from metal degreasing sites and other factories	nd
	trifluralin - treflan				nd
DBP	Trihalomethanes - total	0.080	Liver, kidney or central nervous system problems; increased risk of cancer	Byproduct of drinking water disinfection	0.0279
M	Turbidity	TT ⁷	Turbidity is a measure of the cloudiness of water. It is used to indicate water quality and filtration effectiveness (e.g., whether disease-causing organisms are present). Higher turbidity levels are often associated with higher levels of disease- causing microorganisms such as viruses, parasites and some bacteria. These organisms can cause short term symptoms such as nausea, cramps, diarrhea, and associated headaches	Soil runoff.	*more associated with surface water
R	Uranium	30 µg/L	Increased risk of cancer, kidney toxicity	Erosion of natural deposits	0.069ug/L
	Vanadium				nd
OC	Vinyl chloride	0.002	Increased risk of cancer	Leaching from PVC pipes; discharge from plastic factories	nd
M	Viruses (enteric)	TT ⁷	Short-term exposure: Gastrointestinal illness (e.g., diarrhea, vomiting, cramps)	Human and animal waste	*more associated with surface water

	CONTAMINANT	MCL or TT (mg/l)	Potential health effects from long-term exposure above the MCL	Common sources of contaminant in drinking water	DeKalb's highest recorded result (mg/L)
OC	Xylenes (total)	10	Nervous system damage	Discharge from petroleum factories; discharge from chemical factories	nd
IOC	zinc				nd

Legend					
D	Disinfectant	M	Microorganism		
DBP	Disinfection Byproduct	OC	Organic Chemical		
IOC	Inorganic Chemical	R	Radionuclides		
PFAS	polyfluoralkyl substances				