



Nicolet Natural Artesian Water Emerging Contaminant Study

Analysis of Endocrine Disrupting Chemicals, Pharmaceuticals, and Personal Care Product

Sample Location: Mountain, WI

Sample Date: 11/2/2010

Analyte Name (Common Name)	Common Use	MRL *	Result	Units **	Determination
17alpha-Estradiol	Steroid hormone	0.5	< 0.5	ng/L	ND ***
17alpha-Ethynyl Estradiol	Synthetic steroid hormone	0.5	< 0.5	ng/L	ND
17beta-Estradiol	Steroid hormone	0.5	< 0.5	ng/L	ND
2,4,6-Trichlorophenol (TCP)	Biocide, preservative	0.1	< 0.1	ug/L	ND
2-Phenylphenol	Agricultural fungicide	0.1	< 0.1	ug/L	ND
4-n-Octylphenol	Surfactant, detergent metabolite	0.5	< 0.5	ug/L	ND
4-tert-Octylphenol	Surfactant, detergent metabolite	0.5	< 0.5	ug/L	ND
Acetaminophen (Tylenol)	Analgesic, anti-inflammatory	0.005	< 0.005	ug/L	ND
Antipyrine	Analgesic	0.001	< 0.001	ug/L	ND
Atenolol	Beta-blocker	0.001	< 0.001	ug/L	ND
Azithromycin	Antibiotic	0.005	< 0.005	ug/L	ND
Bacitracin	Antibiotic	1.0	< 1.0	ug/L	ND
Bezafibrate	Lipid regulator	0.0005	< 0.0005	ug/L	ND
Bisphenol A (BPA)	Plasticizer	0.1	< 0.1	ug/L	ND
Caffeine	Stimulant	0.05	< 0.05	ug/L	ND
Carbadox	Antibiotic	0.005	< 0.005	ug/L	ND
Carbamazepine	Anticonvulsant, antimanic agent	0.001	< 0.001	ug/L	ND
Chloramphenicol	Antibiotic	0.005	< 0.005	ug/L	ND
Chlortetracycline	Antibiotic	0.05	< 0.05	ug/L	ND
Ciprofloxacin	Antibiotic	0.05	< 0.05	ug/L	ND
cis-Testosterone (Epitestosterone)	Steroid hormone	0.1	< 0.1	ng/L	ND
Clofibric acid	Herbicide	0.0005	< 0.0005	ug/L	ND
Cotinine	Nicotine metabolite	0.001	< 0.001	ug/L	ND
Dexamethasone	Glucocorticoid-steroids	0.005	< 0.005	ug/L	ND
Diazepam (Valium)	Antianxiety	0.001	< 0.001	ug/L	ND
Diclofenac	NSAID	0.0005	< 0.0005	ug/L	ND
Diethylstilbestrol (DES)	Synthetic estrogen	0.5	< 0.5	ng/L	ND
Diltiazem	Vasodilator	0.0001	< 0.0001	ug/L	ND
Doxycycline	Antibiotic	0.05	< 0.05	ug/L	ND
Enrofloxacin	Antibiotic	0.05	< 0.05	ug/L	ND
Erythromycin	Antibiotic	0.001	< 0.001	ug/L	ND
Estriol	Steroid hormone	0.5	< 0.5	ng/L	ND
Estrone	Steroid hormone	0.5	< 0.5	ng/L	ND
Fluoxetine (Prozac)	Antidepressant	0.001	< 0.001	ug/L	ND
Gemfibrozil (Lopid)	Lipid regulator	0.0005	< 0.0005	ug/L	ND
Ibuprofen (Advil)	NSAID	0.05	< 0.05	ug/L	ND
Iopromide	Contrast Agent	0.05	< 0.05	ug/L	ND
Lasalocid	Antibacterial	0.001	< 0.001	ug/L	ND
Levothyroxine (Synthroid)	Thyroid hormone	0.002	< 0.002	ug/L	ND
Lincomycin	Antibiotic	0.0001	< 0.0001	ug/L	ND
Meprobamate	Antianxiety	0.001	< 0.001	ug/L	ND
Monensin	Antibiotic	0.001	< 0.001	ug/L	ND
N,N-diethyl-m-toluamide (DEET)	Insect repellent	0.005	< 0.005	ug/L	ND
Naproxen (Aleve)	NSAID	0.002	< 0.002	ug/L	ND
Narasin	Antibacterial and antiprotozoal	0.001	< 0.001	ug/L	ND
Nicotine	Stimulant	0.005	< 0.005	ug/L	ND
Nonylphenol, isomer mix	Surfactant by-product	0.5	< 0.5	ug/L	ND
Norfloxacin	Antibiotic	0.05	< 0.05	ug/L	ND
Oleandomycin	Antibiotic	0.001	< 0.001	ug/L	ND
Oxytetracycline	Antibiotic	0.5	< 0.5	ug/L	ND
Paraxanthine	Caffeine metabolite	0.005	< 0.005	ug/L	ND
Penicillin G	Antibiotic	0.002	< 0.002	ug/L	ND
Penicillin V	Antibiotic	0.002	< 0.002	ug/L	ND
Pentachlorophenol	Pesticide	0.1	< 0.1	ug/L	ND

Phenytoin (Dilantin)	Antiepileptic	0.002	< 0.002	ug/L	ND
Prednisone	Glucocorticoid-steroids	0.002	< 0.002	ug/L	ND
Progesterone	Steroid hormone	0.1	< 0.1	ng/L	ND
Roxithromycin	Antibiotic	0.001	< 0.001	ug/L	ND
Salicylic acid	Anti-acne	0.05	< 0.05	ug/L	ND
Salinomycin	Antibacterial and antiprotozoal	0.0001	< 0.0001	ug/L	ND
Simvastatin	Lipid regulator	0.005	< 0.005	ug/L	ND
Sulfachloropyridazine	Antibiotic	0.005	< 0.005	ug/L	ND
Sulfadiazine	Antibiotic	0.001	< 0.001	ug/L	ND
Sulfadimethoxine	Antibiotic	0.0001	< 0.0001	ug/L	ND
Sulfamerazine	Antibiotic	0.001	< 0.001	ug/L	ND
Sulfamethazine	Antibiotic	0.001	< 0.001	ug/L	ND
Sulfamethizole	Antibiotic	0.001	< 0.001	ug/L	ND
Sulfamethoxazole	Antibiotic	0.001	< 0.001	ug/L	ND
Sulfasalazine	Anti inflammatory	0.005	< 0.005	ug/L	ND
Sulfathiazole	Antimicrobial	0.001	< 0.001	ug/L	ND
Tetrabromobisphenol A (TBBPA)	Flame retardant	0.1	< 0.1	ug/L	ND
Tetracycline	Antibiotic	0.5	< 0.5	ug/L	ND
Theobromine	Caffeine metabolite	0.05	< 0.05	ug/L	ND
Theophylline	Respiratory drug	0.005	< 0.005	ug/L	ND
trans-Testosterone	Steroid hormone	0.1	< 0.1	ng/L	ND
Triclocarban	Antibacterial	0.005	< 0.005	ug/L	ND
Triclosan	Antibacterial	0.05	< 0.05	ug/L	ND
Trimethoprim	Antibiotic	0.001	< 0.001	ug/L	ND
Tylosin	Antibiotic	0.001	< 0.001	ug/L	ND
Virginiamycin M1	Antibiotic	0.001	< 0.001	ug/L	ND

* The "Lowest Level that Can Be Detected" refers to the lowest minimum reporting limit (MRL) for each analyte.

** Metric measurement used in measuring amount of chemical ingredients in liquids.
ug/L is the symbol for micrograms per liter (one millionth of a gram per liter)
ng/L is the symbol for nanograms per liter (one billionth of a gram per liter)

*** ND = This contaminant was not detected at or above the minimum reporting limit (MRL).

Tests were conducted by a UL certified laboratory. Results were arranged in alphabetical order and a Common Use column added for consumer identity. A more detailed analysis is available by request.