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**BiomonitoringNH 2019 Tracking and Assessment
 of Chemical Exposures (TrACE) Study
 Water Testing List**

NH residents using public water systems and private wells have been invited to participate in the 2019 TrACE Study. The following pages describe the water test packages based on household water source.

Terms

- **Finished water:** Samples collected from the kitchen sink or similar faucet are “finished” samples because this is the water that is used or consumed. This water has traveled through the treatment system (if present) and through the piping within the house.
- **Raw water:** Samples collected from the water storage tank (if present) are “raw” samples because this water is untreated and most similar to the ground water.
- **Metabolite:** A breakdown product in the human body. For example, methyl paraoxon is a metabolite of the pesticide methyl parathion. Methyl paraoxon can be found in the body after exposure to methyl parathion.
- **PFAS:** per- and polyfluoroalkyl substances; a description of PFAS acronyms is on page 4.
- **Private well:** A private well is a private or small community system that gives access to groundwater for less than 25 people.
- **Public water system:** A public water system serves at least 25 people for at least 60 days a year. They include municipal water systems, mobile home parks, condominiums, and single-family developments.
- **Stagnant:** Water that has been sitting in pipes, undisturbed.

Public Water System Testing List (finished water)		
Metals	Radiologicals	Other
Antimony	Radon	<i>E. coli</i> bacteria
Arsenic	Uranium	Hardness
Barium		pH
Beryllium		Total coliform bacteria
Cadmium		VOCs (see page 4)
Chloride		
Cobalt		
Copper (stagnant and flushed)		
Fluoride		
Iron		
Lead (stagnant and flushed)		
Manganese		
Selenium		
Sodium		
Strontium		
Thallium		
Uranium		

Private Well Water Testing List (finished water)		
Metals	Radiologicals	Other
Antimony	Radon	<i>E. coli</i> bacteria
Arsenic	Uranium	Hardness
Barium		Nitrate
Beryllium		Nitrite
Cadmium		pH
Chloride		Total coliform bacteria
Cobalt		VOCs
Copper (stagnant and flushed)		
Fluoride		
Iron		
Lead (stagnant and flushed)		
Manganese		
Selenium		
Sodium		
Strontium		
Thallium		

Private Well Water Testing List (raw water)			
Metals	Radiologicals	Other	Per- and Polyfluoroalkyl Substances (PFAS)
Arsenic	Analytical Gross Alpha	1,4-Dioxane	6:2 FTSA
Chloride	Analytical Gross Beta	Corrosivity	8:2 FTSA
Copper (flushed)	Compliance Gross Alpha	<i>E. coli</i> bacteria	NEtFOSAA
Fluoride	Radium 226	Hardness	NMeFOSAA
Iron	Radium 228	Hexavalent chromium	PFBA
Lead (flushed)	Radium 226 + 228	Nitrate	PFBS
Manganese	Radon	Nitrite	PFDA
Sodium	Uranium	Perchlorate	PFDoA
		pH	PFDS
		Total coliform bacteria	PFHpA
		VOCs (see page 4)	PFHpS
			PFHxA
			PFHxDA
			PFHxS
			PFNA
			PFOA
			PFOS
			FOSA
			PFPeA
			PFTEA
			PFTRA
			PFUNA

Private Well Water Testing List: Pesticides and pesticide metabolites (raw water)		
1,2,3-TCP	Diazinon oxon	Metribuzin DADK
2,4,5-T	Dicamba	Metribuzin DK
2,4,5-TP	Dichlorprop	Metsulfuron-methyl
2,4-D	Diclotophos	Myclobutanil
2,4-DB	Difenoconazole	Nicosulfuron
2-hydroxyatrazine	Dimethenamid	Norflurazon
3-PBA	Dimethenamid ESA	Desmethylnorflurazon
4F-3PBA	Dimethenamid OXA	Oxadiazon
Acetamiprid	Dimethoate	Oxydemeton-methyl
Acetochlor	Dinotefuran	para-nitrophenol (PNP)
Acetochlor ESA	Disulfoton sulfone	Methyl parathion
Acetochlor OA	Diuron	Methyl paraoxon
Alachlor	Ethofumesate	Pendimethalin
Alachlor ESA	Flufenacet OA	Phorate
Alachlor OA	Flumetsulam	Picloram
Aldicarb sulfone	Flutriafol	Picoxystrobin
Aldicarb sulfoxide	Fluxapyroxad	Prometon
AMPA	Fonofos	Prometryn
Atrazine	Glufosinate	Propachlor
Azoxystrobin	Glyphosate	Propachlor ESA
Bensulfuron-methyl	Halosulfuron-methyl	Propachlor OA
Bensulide	Hexazinone	Propazine
Bentazon	Imazamethabenz-acid	Propiconazole
Boscalid	Imazamethabenz-methyl	Pyraclostrobin
Bromacil	Imazamox	Pyroxasulfone
Bromoxynil	Imazapic	Saflufenacil
Carbaryl	Imazapyr	Sedaxane
Carbendazim	Imazaquin	Siduron
Carbofuran	Imazethapyr	Simazine
Chlorantraniliprole	Imidacloprid	Sulfometuron-methyl
Chlorimuron-ethyl	IMPY	Tebuconazole
Chlorpyrifos	Isoxaflutole	Tebuprimiphos
Chlorpyrifos oxon	Linuron	Tembotrione
cis-DCCA	Malathion	Terbufos
Clomazone	MCPA	Tetraconazole
Clopyralid	MCPB	Thiacloprid
Clothianidin	MCPP	Thiamethoxam
Cyanazine	Mesotrione	Thifensulfuron-methyl
Cyantraniliprole	Metalaxyl	Thiobencarb
Cyfluthrin	Metolachlor	Tolfenpyrad
Cypermethrin	Metolachlor ESA	trans-DCCA
DEDI atrazine	Metolachlor OA	Triallate
Deisopropylatrazine	Metribuzin	Triasulfuron
Desethylatrazine	Metribuzin DA	Triclopyr
Diazinon		

Volatile Organic Compounds (VOCs): Public water (finished) and private wells (raw and finished water)		
1,1,1,2-tetrachloroethane	4-chlorotoluene	Isopropylbenzene
1,1,1-trichloroethane	4-methyl-2-pentanone (MIBK)	m/p-xylene*
1,1,2-tetrachloroethane	Acetone	Methylene chloride
1,1,2-trichloroethane	Benzene	Methyl-t-butyl ether (MtBE)
1,1-dichloroethane	Bromobenzene	Naphthalene
1,1-dichloroethene	Bromochloromethane	n-butylbenzene
1,1-dichloropropene	Bromodichloromethane	n-propylbenzene
1,2,3-trichlorobenzene	Bromoform	o-xylene*
1,2,3-trichloropropane	Bromomethane	p-isopropyltoluene
1,2,4-trichlorobenzene	Carbon disulfide	sec-butylbenzene
1,2,4-trimethylbenzene	Carbon tetrachloride	Styrene
1,2-dibromo-3-chloropropane (DBCP)	Chlorobenzene	t-butanol
1,2-dibromoethane (EDB)	Chloroethane	t-butylbenzene
1,2-dichlorobenzene	Chloroform	Tert-amyl methyl ether (TAME)
1,2-dichloroethane	Chloromethane	Tetrachloroethene
1,2-dichloropropane	cis-1,2-dichloroethene	Tetrahydrofuran (THF)
1,3,5-trichlorobenzene	cis-1,3-dichloropropene	Toluene
1,3,5-trimethylbenzene	Dibromochloromethane	trans-1,2-dichloroethene
1,3-dichlorobenzene	Dibromomethane	trans-1,3-dichloropropene
1,3-dichloropropane	Dichlorodifluoromethane	Trichloroethene
1,4-dichlorobenzene	Diethylether	Trichlorofluoromethane
2,2-dichloropropane	Diisopropyl ether (DIPE)	Trihalomethanes
2-butanone (MEK)	Ethyl-t-butyl ether (ETBE)	Vinyl chloride
2-chlorotoluene	Ethylbenzene	*Xylenes (may be reported instead of m/p-xylene and o-xylene)
2-hexanone	Hexachlorobutadiene	

Per- and Polyfluoroalkyl Substances (PFAS) Acronym Descriptions

6:2 FTSA: fluorotelomer sulfonate 6:2

8:2 FTSA: 8:2 fluorotelomer sulfonate

NETFOSAA: 2-(N-ethyl-perfluorooctane sulfonamido) acetic acid

NMeFOSAA: 2-(N-methyl-perfluorooctane sulfonamido) acetic acid

PFBA: perfluorobutanoic acid

PFBS: perfluorobutane sulfonic acid

PFDA: perfluorodecanoic acid

PFDoA: perfluorododecanoic acid

PFDS: perfluorodecane sulfonate

PFHpA: perfluoroheptanoic acid

PFHpS: perfluoroheptane sulfonate

PFHxA: perfluorohexanoic acid

PFHxDA: perfluorohexadecanoic acid

PFHxS: perfluorohexane sulfonic (or perfluorohexylsulfonic) acid

PFNA: perfluorononanoic acid

PFOA: perfluorooctanoic acid

PFOS: perfluorooctane sulfonic (or perfluorooctylsulfonic) acid

FOSA: perfluorooctane sulfonamide

PFPeA: perfluoropentanoic acid

PFTEA: perfluorotetradecanoic acid

PFTRA: perfluoro-n-tridecanoic acid

PFUNA: perfluoroundecanoic acid