

Unregulated Contaminant Monitoring Regulation 2 (UCMR2) Screening Survey of List 2 Contaminants

Unregulated contaminants are those that don't yet have a drinking water standard set by USEPA. The purpose of monitoring for these contaminants is to help EPA decide whether the contaminants should have a standard.

(Quarterly Sampling Events (SE1, SE2, SE3, SE4) taken at entry to distribution system.)

Contaminant	SE1 8/10/2009	SE2 11/16/2009	SE3 2/15/2010	SE4 5/17/2010	Unit of Measure	Likely Source of Contamination
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Acetanilide Parent Herbicides

Acetochlor	ND*	ND*	ND*	ND*	PPB	Used as herbicide on corn.
Alachlor	ND*	ND*	ND*	ND*	PPB	Widely used herbicide, primarily used in the Midwest to control annual grasses and broadleaf weeds on crops such as corn, sorghum, and soybeans.
Metolachlor	ND*	ND*	ND*	ND*	PPB	Broad spectrum herbicide used for general weed control in non-crop areas; widely used on crops such as corn, cotton, peanuts, grass for seed production, nurseries, hedgerows/fencerows, and landscape plantings.

Acetanilide Herbicide Degradates

Acetochlor ethane sulfonic acid	ND*	ND*	ND*	ND*	PPB	Degradation product of acetochlor.
Acetochlor oxanilic acid	ND*	ND*	ND*	ND*	PPB	
Alachlor ESA	ND*	ND*	ND*	ND*	PPB	Degradation product of alachlor.
Alachlor OA	ND*	ND*	ND*	ND*	PPB	
Metolachlor ESA	ND*	ND*	ND*	ND*	PPB	Degradation product of metolachlor.
Metolachlor OA	ND*	ND*	ND*	ND*	PPB	

Nitrosamines

N-nitrosodiethylamine	ND*	ND*	ND*	ND*	PPB	Nitrosamines can form as intermediates and byproducts in chemical synthesis and manufacture of rubber, leather, and lastics; can form spontaneously by reaction of precursor amines with nitrosating agents (nitrate and related compounds), or by action of nitrate-reducing bacteria. Foods such as bacon and malt beverages can contain nitrosamines; there is also evidence that they form in the upper GI tract.
N-nitrosodimethylamine	ND*	ND*	0.0026	ND*	PPB	
N-nitroso-di-n-butylamine	ND*	ND*	ND*	ND*	PPB	
N-nitroso-di-n-propylamine	ND*	ND*	ND*	ND*	PPB	
N-nitrosomethylethylamine	ND*	ND*	ND*	ND*	PPB	
N-nitrosopyrrolidine	ND*	ND*	ND*	ND*	PPB	

(Quarterly Sampling Events (SE1, SE2, SE3, SE4) taken at distribution system maximum residence time.)

Contaminant	SE1 8/10/2009	SE2 11/16/2009	SE3 2/15/2010	SE4 5/17/2010	Unit of Measure	Likely Source of Contamination
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Nitrosamines

N-nitrosodiethylamine	ND*	ND*	ND*	ND*	PPB	Nitrosamines can form as intermediates and byproducts in chemical synthesis and manufacture of rubber, leather, and lastics; can form spontaneously by reaction of precursor amines with nitrosating agents (nitrate and related compounds), or by action of nitrate-reducing bacteria. Foods such as bacon and malt beverages can contain nitrosamines; there is also evidence that they form in the upper GI tract.
N-nitrosodimethylamine	0.0021	0.0031	0.0022	ND*	PPB	
N-nitroso-di-n-butylamine	ND*	ND*	ND*	ND*	PPB	
N-nitroso-di-n-propylamine	ND*	ND*	ND*	ND*	PPB	
N-nitrosomethylethylamine	ND*	ND*	ND*	ND*	PPB	
N-nitrosopyrrolidine	ND*	ND*	ND*	ND*	PPB	

ND* = Not Detected
PPB = microgram per liter