

**Table 29.** Summary of acidic organic wastewater compound (table 5) data for the spring 2005 Boulder Creek, Colorado (BC) and Fourmile Creek, Iowa (FC) Lagrangian samplings.

[Site identifier defined in table 2; U, upstream from wastewater treatment plant (WWTP); E, WWTP effluent; BC-D3.6, BC-D7.4, FC-D2.9, and FC-D8.4 are sites downstream from the WWTP indicating distance in kilometers; number after compound indicates replicate analysis; µg/L, microgram per liter; <, less than method detection limit; --, not determined.]

Constituent	Unit	Boulder Creek					Fourmile Creek				
		BC-U	BC-E	BC-D3.6	BC-D7.4	Blank	FC-U	FC-E	FC-D2.9	FC-D8.4	Blank
Date		4/19/2005	4/19/2005	4/19/2005	4/19/2005	4/19/2005	03/08/05	03/08/05	03/08/05	03/08/05	03/08/05
Time		855	900	1145	1630	1430	740	745	1120	1540	1200
<b>Compound</b>											
Ethylenediaminetetraacetic acid 1	µg/L	0.38	150	54	32	0.16	0.43	180	32	21	<0.1
Ethylenediaminetetraacetic acid 2	µg/L	0.37	170	49	33	0.14	0.77	180	20	16	<0.1
Ethylenediaminetetraacetic acid 3	µg/L	0.15	110	42	32	--	0.53	160	20	13	--
Nitrilotriacetic acid 1	µg/L	0.09	1.3	0.58	0.34	<0.1	<0.1	0.89	0.27	0.18	<0.1
Nitrilotriacetic acid 2	µg/L	0.07	1.4	0.54	0.34	<0.1	<0.1	1.0	0.23	0.19	<0.1
Nitrilotriacetic acid 3	µg/L	<0.1	0.42	0.49	0.40	--	<0.1	1.0	0.18	0.22	--
4-Nonylphenolmonoethoxycarboxylic acid 1	µg/L	0.43	100	47	33	<0.1	0.95	20	3.3	2.0	0.2
4-Nonylphenolmonoethoxycarboxylic acid 2	µg/L	0.25	110	46	33	0.20	2.4	22	5.7	2.5	<0.1
4-Nonylphenolmonoethoxycarboxylic acid 3	µg/L	0.12	33	39	39	--	0.62	11	3.8	3.9	--
4-Nonylphenoldiethoxycarboxylic acid 1	µg/L	0.16	90	41	31	<0.1	0.87	94	12	6.7	<0.1
4-Nonylphenoldiethoxycarboxylic acid 2	µg/L	0.34	99	41	30	0.27	0.78	98	16	8.7	<0.1
4-Nonylphenoldiethoxycarboxylic acid 3	µg/L	<0.1	35	34	36	--	0.40	45	11	10	--
4-Nonylphenoltriethoxycarboxylic acid 1	µg/L	<0.1	2.1	0.71	0.42	<0.1	<0.1	1.1	0.15	0.22	<0.1
4-Nonylphenoltriethoxycarboxylic acid 2	µg/L	<0.1	1.8	0.59	0.41	<0.1	<0.1	1.1	0.28	0.13	<0.1
4-Nonylphenoltriethoxycarboxylic acid 3	µg/L	<0.1	0.74	0.67	0.48	--	<0.1	0.60	0.20	0.17	--
4-Nonylphenoltetraethoxycarboxylic acid 1	µg/L	<0.1	0.76	0.26	0.11	<0.1	<0.1	0.27	<0.1	0.10	<0.1
4-Nonylphenoltetraethoxycarboxylic acid 2	µg/L	<0.1	1.0	0.14	0.17	<0.1	<0.1	0.23	<0.1	<0.1	<0.1
4-Nonylphenoltetraethoxycarboxylic acid 3	µg/L	<0.1	0.69	0.21	0.25	--	<0.1	<0.1	<0.1	<0.1	--
<b>Surrogate Standard</b>											
4-normal-Nonylphenoldiethoxycarboxylic acid 1	percent	53	56	84	53	21	110	110	67	78	96
4-normal-Nonylphenoldiethoxycarboxylic acid 2	percent	41	72	53	54	3	180	59	84	74	83
4-normal-Nonylphenoldiethoxycarboxylic acid 3	percent	2	6	48	64	--	110	34	70	73	--