

Fluridone Water Quality Monitoring Schedule and Results - Summer 2019

Treatment day				1	3	5	6	8	9	11	13	20	27	34	41	48	55	62	69	76	83	90	97	104	111	118	125	132																							
Date				6/5/2019	6/7/2019	6/9/2019	6/10/2019	6/12/2019	6/13/2019	6/15/2019	6/17/2019	6/24/2019	7/1/2019	7/8/2019	7/15/2019	7/22/2019	7/29/2019	8/5/2019	8/12/2019	8/19/2019	8/26/2019	9/2/2019	9/9/2019	9/16/2019	9/23/2019	9/30/2019	10/7/2019	10/14/2019																							
Station	Location	Dye Study First Detect	Target Dose at Lambertville (ppb)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0																							
1	Fireman's Eddy Bridge	4 hours	Reading (ppb)	3.2	3.3	3.4	3.5	3.4	2.6	2.7	3.2	2.9	3.4	3.2	2.4	4.1	2.7	3.3	2.4	2.9	2.5	2.7	2.4	2.7	2.0	2.5	<1	N/A																							
			Time (24hr)	8:00	8:35	7:50	7:55	8:22	8:22	8:55	8:24	8:50	7:30	8:40	8:25	8:50	9:04	9:06	9:06	7:20	8:35	9:18	7:45	7:40	7:45	7:35	7:35	7:35	N/A																						
2	Washington Crossing Bridge	24 hours	Reading (ppb)		3.3	3.0	3.2	3.3	2.2	2.1	2.6	4.2	3.8	3.2	3.0	4.5	2.8	3.3	2.6	2.8	3.0	2.8	3.1	2.6	2.6	2.5	<1	N/A																							
			Time (24hr)		8:50	8:10	8:10	8:36	8:37	9:10	8:36	9:10	7:45	9:00	8:40	9:05	9:16	9:18	9:18	7:35	8:45	9:30	8:00	7:55	8:00	7:50	7:50	7:50	N/A																						
3	Lower Ferry Road	32 hours	Reading (ppb)		2.5	2.9	3.1	3.4	2.4	3.0	2.6	3.5	3.5	3.7	2.4	3.6	2.7	3.2	2.7	2.3	3.3	2.7	3.0	2.5	2.3	2.6	<1	N/A																							
			Time (24hr)		9:15	8:25	8:25	8:49	8:52	9:20	8:48	9:22	8:05	9:12	8:55	9:14	9:25	9:30	7:55	8:56	9:40	8:20	8:05	8:15	8:05	8:05	8:05	8:05	N/A																						
4	Carnegie Road	2 days	Reading (ppb)		3.3	3.0	3.0	3.3	2.8	3.2	2.0	3.3	3.3	3.6	2.5	4.4	2.4	2.7	2.4	2.3	3.3	2.4	2.9	2.6	2.1	2.3	<1	N/A																							
			Time (24hr)		9:35	8:45	8:45	9:09	9:14	9:40	9:06	9:42	8:25	9:30	9:15	9:36	9:46	9:48	8:15	9:18	10:00	8:40	8:25	8:35	8:30	8:25	8:25	N/A																							
5	Alexander Road	3 days	Reading (ppb)			2.9	2.7	3.2	2.8	2.1	2.9	2.9	3.0	2.1	3.5	2.1	3.3	1.9	2.1	3.2	2.3	2.2	2.3	3.2	2.1	<1	N/A																								
			Time (24hr)			9:00	9:00	9:25	9:27	9:55	9:22	9:54	8:45	9:45	9:30	9:50	10:04	10:01	8:30	9:32	10:14	8:55	8:45	8:55	8:45	8:40	8:50	N/A																							
6	Route 518	4 days	Reading (ppb)			2.0	3.5	2.5	108.0	1.0	2.7	<1	3.2	2.1	1.0	3.4	2.0	3.4	1.9	1.9	2.9	2.4	2.1	2.2	2.2	2.2	<1	N/A																							
			Time (24hr)			9:20	9:20	9:46	9:49	10:16	9:40	10:16	9:05	10:02	9:47	10:08	10:20	10:20	8:50	9:50	10:30	9:15	9:00	9:15	9:10	8:55	9:10	N/A																							
7	Canal Road/Suydam Road	5 days	Reading (ppb)			1.1	ND	1.9	0.87	2.6	1.3	2.1	1.4	2.5	1.4	1.7	0.87	1.7	0.70	2.8	1.8	2.3	1.9	<1	0.88	3.4	2.1	1.7	1.6	3.2	1.6	1.0	0.75	2.1	1.20	3.0	1.30	2.1	1.30	2.4	1.40	1.9	1.20	2.3	1.20	1.8	1.40	<1	ND	<1	ND
			Time (24hr)			9:50	9:35	10:12	10:27	10:46	10:02	10:40	9:20	10:30	10:10	10:32	10:42	10:45	9:10	10:15	11:00	9:35	9:15	9:30	9:25	9:15	9:40	9:25	9:15	9:40	9:15																				
8	10 Mile Lock	7 days	Reading (ppb)				<1	2.8	2.1	3.0	<1	<1	2.6	2.3	1.3	2.8	1.5	2.7	<1	1.3	2.7	1.6	1.7	1.7	1.8	1.8	<1	<1																							
			Time (24hr)				10:20	10:39	11:12	10:23	11:05	10:05	10:48	10:38	10:54	11:02	11:04	9:45	10:40	11:18	10:15	9:45	10:00	9:55	9:45	10:00	9:55	9:45	10:00	9:45																					
9	Landing Lane Bridge	9 days	Reading (ppb)				<1	ND	<1	ND	1.3	0.42	1.1	1.3	2.9	1.6	1.6	0.65	2.2	1.3	3.9	1.6	1.6	1.3	2.3	1.4	1.5	1.5	2.2	1.3	1.6	1.3	2.0	0.99	2.5	1.30	1.4	1.30	1.8	1.30	1.7	1.30	2.2	0.93	1.4	1.20	2.0	1.10	<1	ND	
			Time (24hr)				10:40	10:57	11:10	11:30	10:40	11:20	10:20	11:15	11:02	11:10	11:12	11:20	10:05	10:55	11:30	10:40	10:10	10:30	10:20	10:15	10:15	10:15	10:00																						
Rainfall - Washington Crossing				Inches	0.01	0.01	0.00	0.00	0.00	1.27	0.00	0.25	0.00	0.00	0.51	0.00	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.01																							
Rainfall - Middlesex				Inches	0.00	0.00	0.00	0.39	0.00	1.33	0.00	0.00	0.00	0.00	0.26	0.00	1.73	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.32	0.00																							
Canal Flow at Washington Crossing				mgd	99.53	98.24	95.01	93.71	95.65	104.70	99.53	102.76	100.18	95.65	100.82	96.95	93.07	98.24	95.01	96.95	95.65	98.24	105.35	103.12	107.70	101.47	103.41	104.05	101.47																						
Canal Flow at Port Mercer				mgd	99.53	95.01	98.24	100.82	98.24	69.15	83.37	89.19	95.65	97.59	96.30	94.36	95.01	95.65	98.24	91.13	89.84	89.84	88.54	96.30	95.65	96.95	96.30	95.65	95.65																						

Note: Expected Test Results Variance is 5-20%

Flow has not yet reached location

ppb Parts per Billion

mgd Million Gallons per Day

x Data not yet available

On days of duplicate readings, a duplicate sample was taken and submitted to a second testing facility(Phoenix Labs EPA 525.3.)

ND Non-Detect

Reporting limit for Phoenix Labs duplicate testing is 0.29 ppb