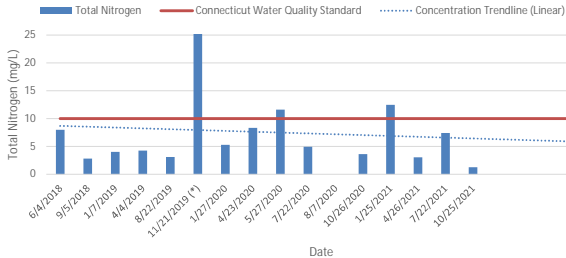


Appendix E: Performance Data

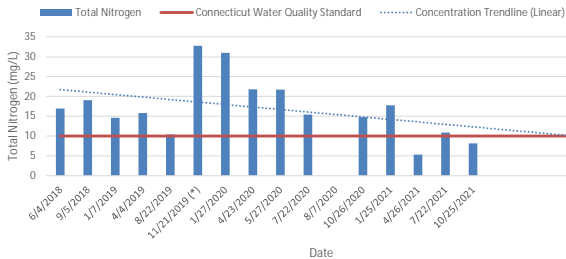
Lutheran Home, Southbury CT - Nitrogen Sampling Data

Analyte	Date	MW-2R	MW-3	MW-9R	MW-10	MW-11	MW-12	MW-13	Wet Well
Ammonia	6/14/2018	0.10	5.1	11	0.10	0.10	14	1.9	
	9/5/2018	1.53	5.62	12.9	0.10	0.35	15.4	1.87	
	1/7/2019	0.28	6.66	8.87	0.16	0.10	15.7	14.9	
	4/4/2019	0.38	4.9	6.58	0.1	0.10	14.6	0.1	
	8/22/2019	1.94	4.5	3.63	0.1	0.10	15.5	0.74	
	11/21/2019 (*)	8.53	4.36	6.25	<0.1	0.17	17.2	4.51	
	1/27/2020	0.17	3.99	8.29	<0.1	<0.2	16	0.47	
	4/23/2020	0.29	4.19	1.33	0.1	0.1	16.9	1.21	22
	5/27/2020	0.1		5.51					26.3
	7/22/2020	0.4	20.1	4.6	0.1	0.1	14.2	0.77	29.8
	8/7/2020		2.4						
	10/26/2020	1.6	5.52	4.75	0.1	0.1	19.4	2.11	
	1/25/2021	0.17	0.72	3.49	0.12	0	21.3	0.7	
	4/26/2021	0.12	3.19	2.69	0.12	0.23	18.5	0.18	11.6
	7/22/2021	0.43	1.54	2.39	0.11	0	16.5	1.13	22.9
	10/25/2021	0.1	0.17	2.5	0.1	0.1	19.3	0.1	23.7
Nitrate + Nitrite	6/4/2018	8.0	0.64	5.6	9.7	0.10	0.12	0.10	
	9/5/2018	0.218	0.412	6.25	6.98	0.020	0.020	0.020	
	1/7/2019	3.31	0.411	4.72	4.63	4.89	0.020	0.022	
	4/4/2019	3.68	0.313	8.93	0.776	0.025	0.020	0.257	
	8/22/2019	0.19	1.1	5.48	3.55	0.042	0.052	0.131	
	11/21/2019 (*)	26.9	0.405	27.3	8.67	0.452	<0.2	0.388	
	1/27/2020	5.01	0.481	22.9	3.57	0.856	<0.2	0.714	
	4/23/2020	8.32	0.46	17.61	2.26	2.61	<0.2	0.5	ND
	5/27/2020	11.6		16.6					ND
	7/22/2020	4.48	10.7	12.84	2.81	0.07	0.074	0.318	ND
	8/7/2020		1.75						
	10/26/2020	1.38	0.93	10.4	9.74	2.02	0.05	0.113	
	1/25/2021	12.51	1.89	14.96	0.998	0.16	0.036	2.01	
	4/26/2021	3.03	1.37	2.82	0.07	0.06	0.048	0.2	
	7/22/2021	7.44	3.69	9.21	0.367	0.251	0	0.205	ND
	10/25/2021	0.31	0.37	6.75	0.3	0.249	0.06	0.04	0.04
TKN	6/4/2018	1.0	6.0	11	1.0	1.0	17	2.4	
	9/5/2018	2.63	8.16	12.8	0.82	0.59	20.6	3.00	
	1/7/2019	0.74	7.88	9.93	0.35	0.52	18.9	16.9	
	4/4/2019	0.56	5.84	6.86	0.41	0.38	18.7	0.74	
	8/22/2019	2.92	5.96	4.89	0.71	0.64	20.1	1.9	
	11/21/2019 (*)	6.38	5.58	5.5	<0.2	0.65	19.9	5.29	
	1/27/2020	0.32	5.93	8.09	0.97	1.64	19.9	1.45	
	4/23/2020	0.2	5.07	4.19	0.36	0.52	18.9	1.89	31.8
	5/27/2020	0.2		5.07					44
	7/22/2020	0.48	30.8	2.56	0.2	0.36	20.7	1.43	47
	8/7/2020		7.66						
	10/26/2020	2.24	27.1	4.43	0.22	0.42	22.1	2.95	
	1/25/2021	0	1.4	2.93	0.6	0.46	24.3	1.37	
	4/26/2021	0.2	3.97	2.5	0.2	0.44	23.2	0.6	43.6
	7/22/2021	0	3.43	1.66	0.4	0.46	23.9	5.05	34.4
	10/25/2021	1	0.2	1.41	0.31	0.28	21.8	2.27	32
Total Nitrogen	6/4/2018	8.0	6.7	17	9.7	1.2	17	2.4	10
	9/5/2018	2.85	8.57	19.1	7.81	0.61	20.6	3.00	10
	1/7/2019	4.05	8.29	14.6	4.98	5.41	18.9	16.9	10
	4/4/2019	4.24	6.15	15.8	1.18	0.408	18.7	0.999	10
	8/22/2019	3.11	7.06	10.4	4.26	0.684	20.1	1.9	10
	11/21/2019 (*)	33.3	5.99	32.8	8.67	1.11	19.9	5.68	10
	1/27/2020	5.32	6.41	31	4.53	2.49	19.9	2.17	10
	4/23/2020	8.32	5.53	21.8	2.62	3.13	18.9	2.44	10
	5/27/2020	11.6		21.7					10
	7/22/2020	4.95	41.5	15.4	2.8	0.427	20.7	1.75	10
	8/7/2020		9.41						10
	10/26/2020	3.62	28.1	14.8	9.96	2.44	22.1	3.06	10
	1/25/2021	12.5	3.29	17.8	1.6	0.62	24.3	2.57	10
	4/26/2021	3.03	5.34	5.32	0.2	0.5	23.2	0.8	10
	7/22/2021	7.44	7.12	10.9	0.763	0.713	23.9	5.25	10
	10/25/2021	1.3	0.37	8.16	0.604	0.525	21.8	2.3	10
Average		7.6	10.0	17.1	4.3	1.4	20.7	3.7	10

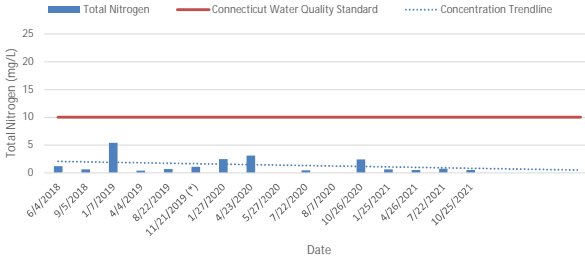
MW-2R



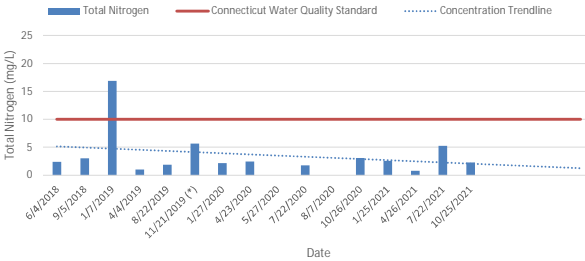
MW-9R

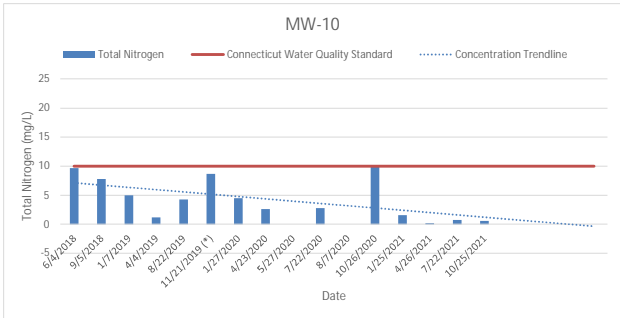
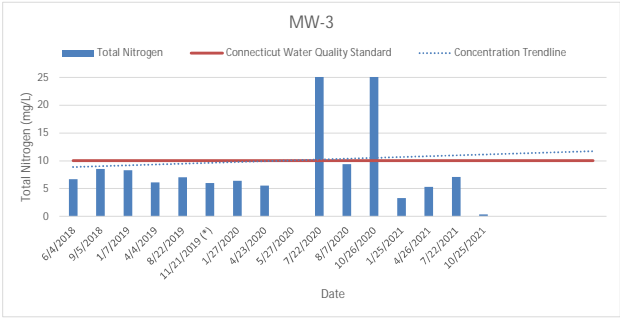


MW-11

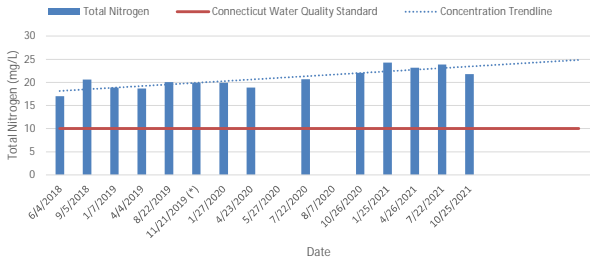


MW-13





MW-12



FECAL Coliform Results Summary
Lutheran Home

Fecal Coliform Results

CFU/100ml

	MW-2	MW-3	MW-9	MW-10	MW-11	MW-12	MW-13	MW-7	wet well
1/7/2019	< H1	<H10	H1	<H10	<H10	<H10	<H10		
11/21/2019	<10	<10	<10	<10	<10	<10	<10		
1/27/2020	<10	<10	10	<10	<10	<10	<10		
4/23/2020	<10	<10	<10	<10	<10	<10	<10		22,000
7/22/2020	<1	TNTC (*)	8	<1	1	5	7	<1	270
8/7/2020		TNTC							
10/26/2020	24	220	<1	<1	6	17	5		
1/25/2021	<1	20	<1	20	<1	9	2		100,000
4/26/2021	<2	2	<1	<1	<1	<1	1		>2420
7/22/2021	1	>2420	<1	<1	<1	205	36.3		>2420

H-Estimated/hold times exceeded

Notes:

(*) TNTC ~ 400-500

TNTC = To Numerous to count