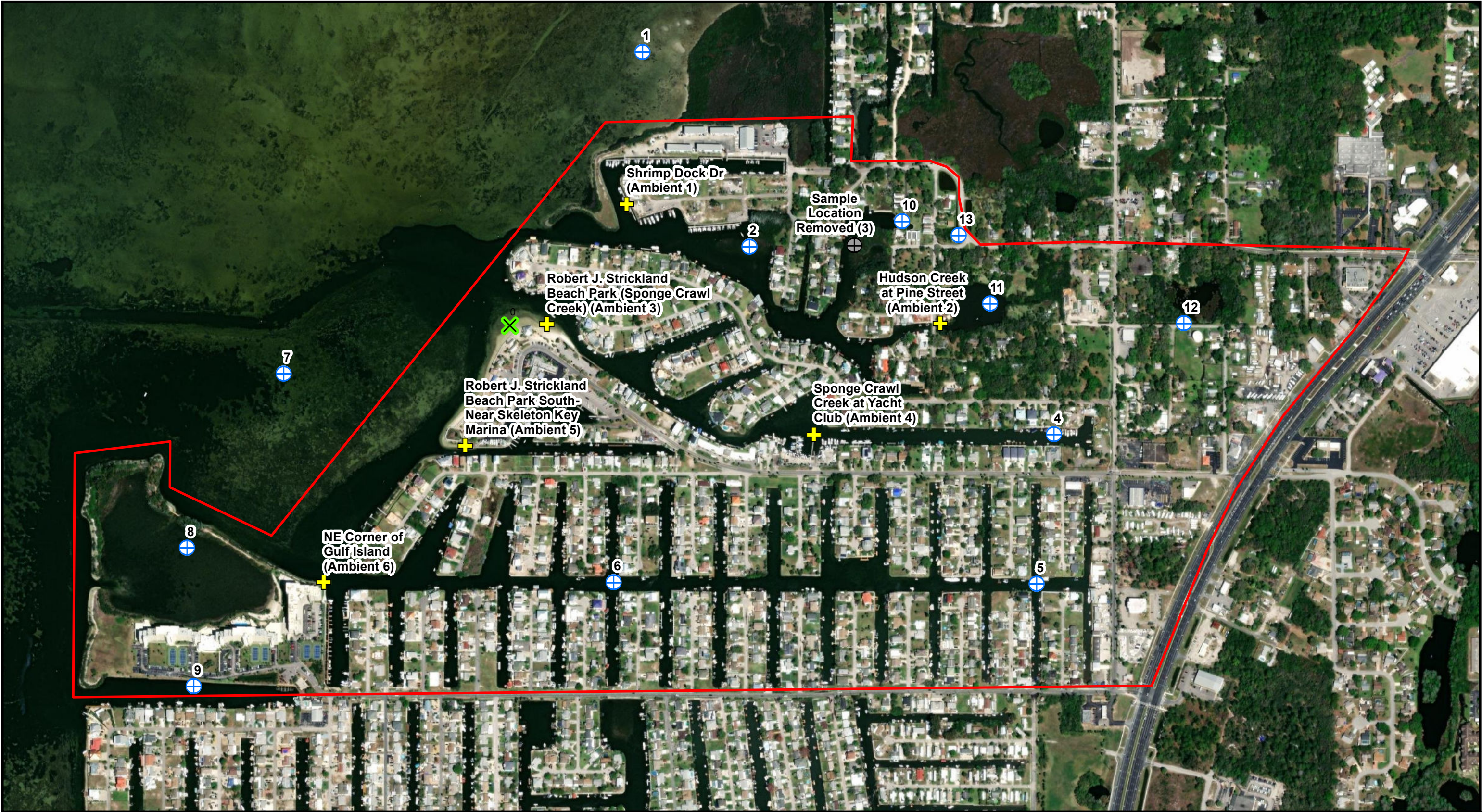
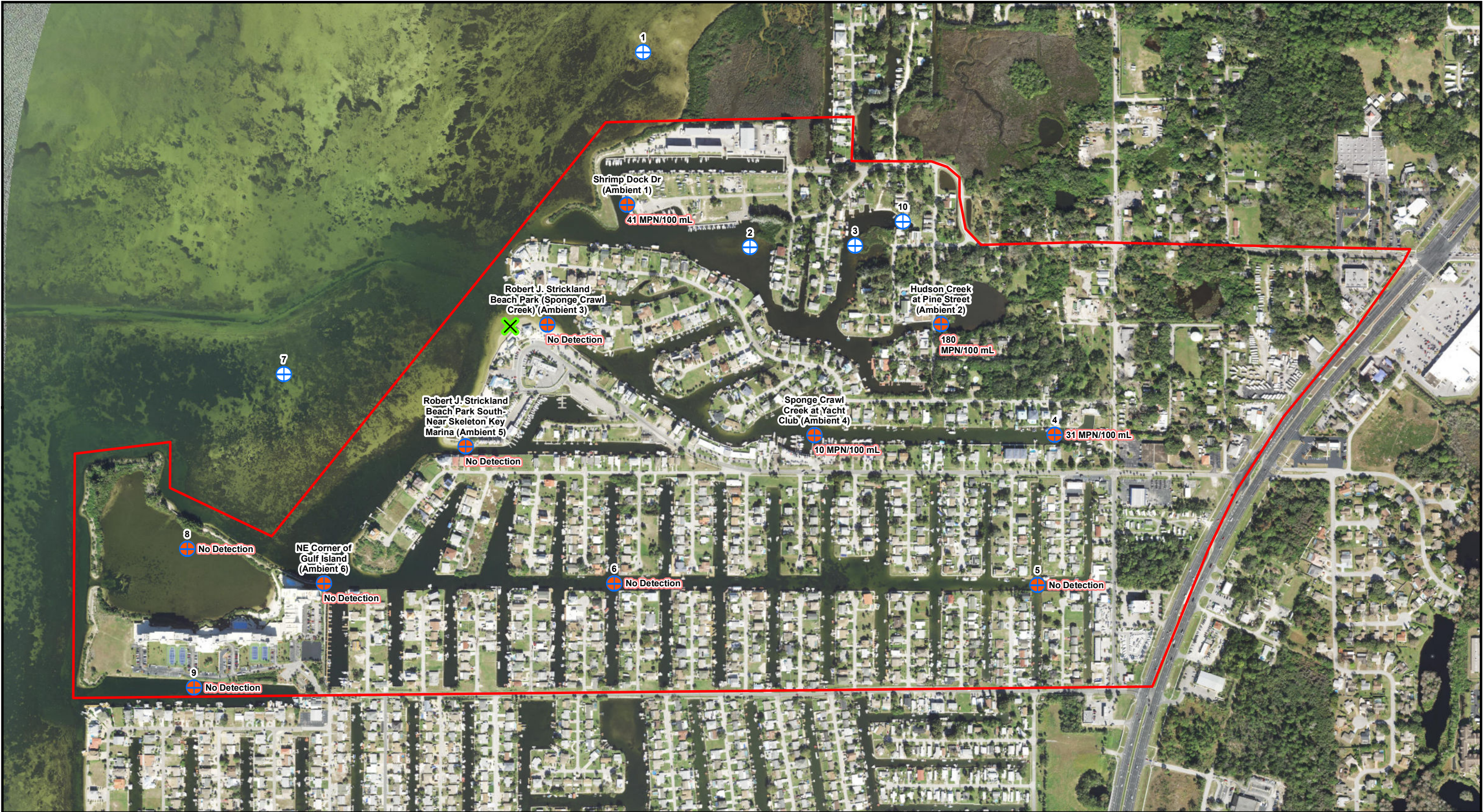


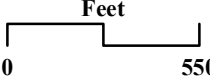


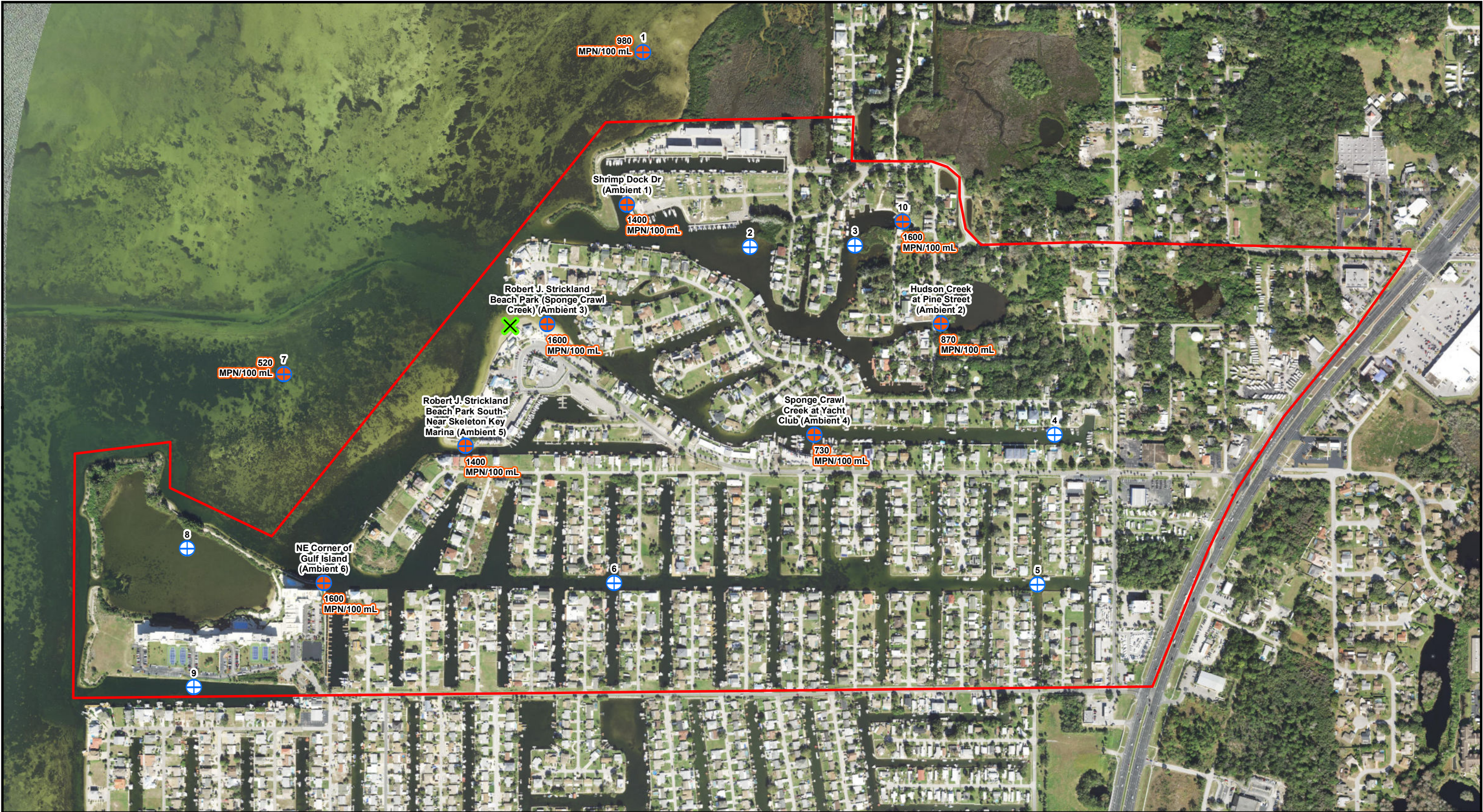
Feet 0 550 1 in = 550 feet	HUDSON BEACH POLLUTION SOURCE TRACKING FLORIDA DESIGN CONSULTANTS PASCO COUNTY, FLORIDA	Project Area Robert J. Strickland Memorial Park Ambient Monitoring Site
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Sample Location Removed

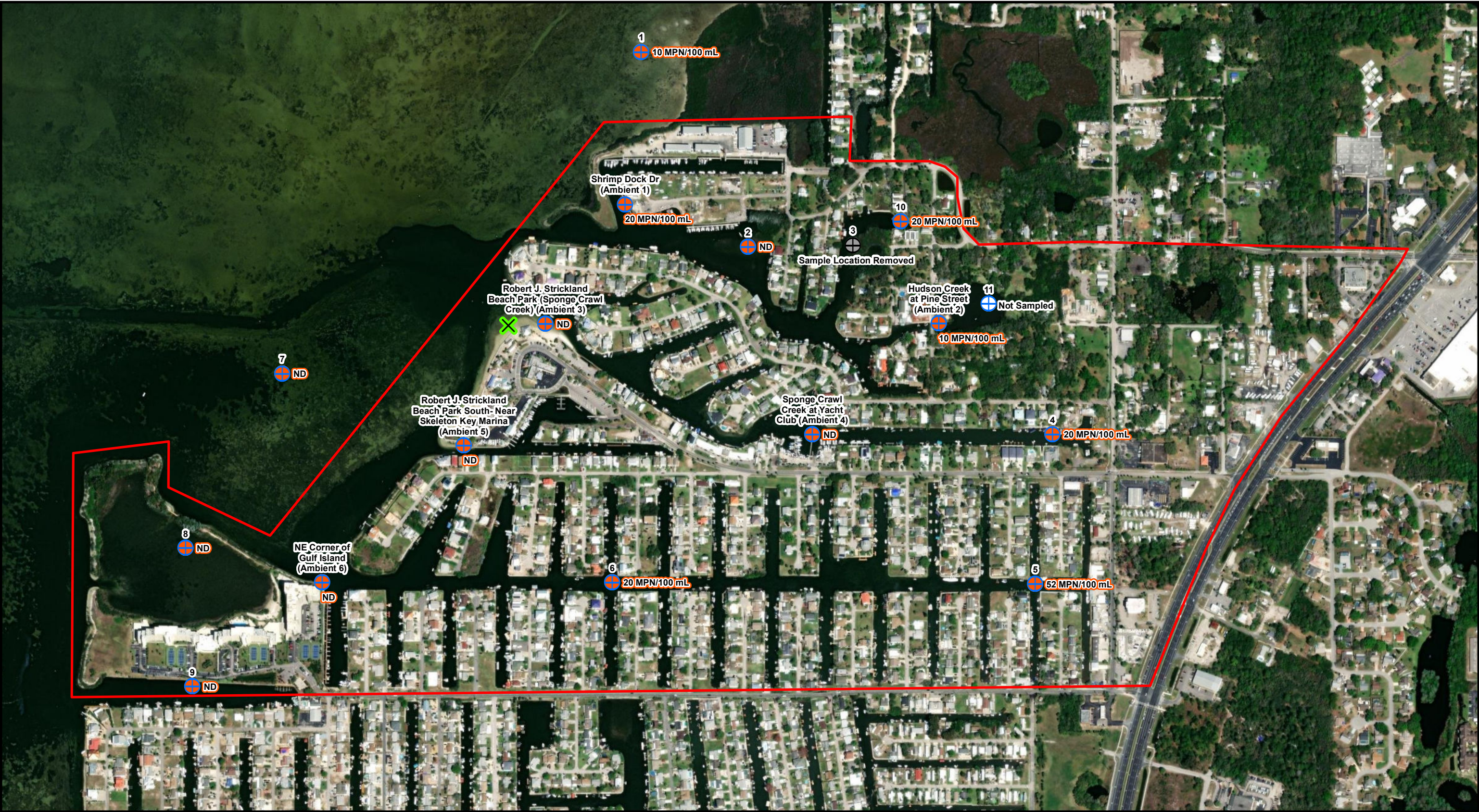
Water Sampling Location



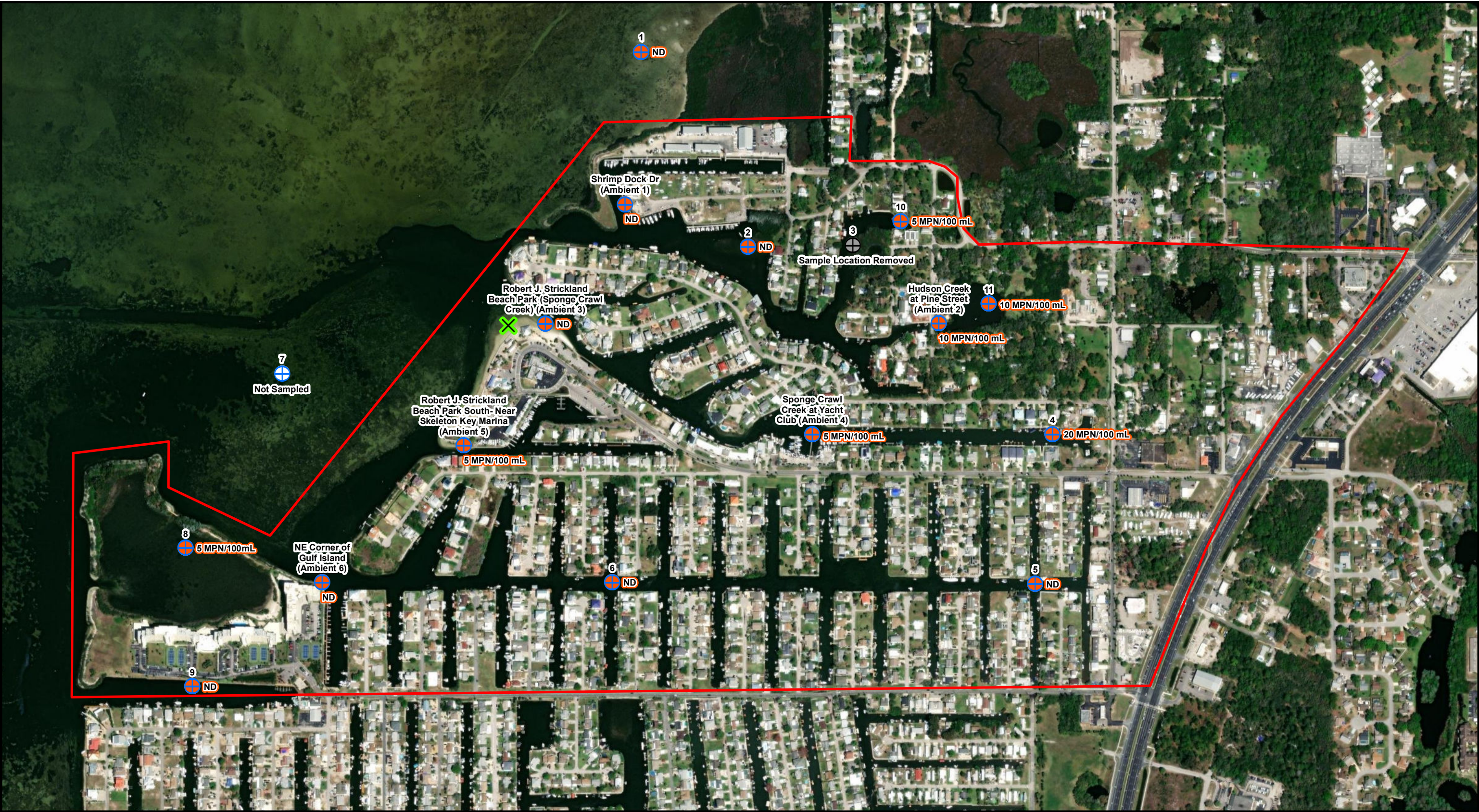
  1 in = 550 feet	HUDSON BEACH POLLUTION SOURCE TRACKING FLORIDA DESIGN CONSULTANTS PASCO COUNTY, FLORIDA	Project Area Robert J. Strickland Memorial Park Event 1 Sample Location (5/5/2023) Sample Location		EVENT ONE WATER QUALITY SAMPLING MAP (5/5/2023)	
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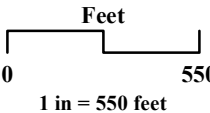


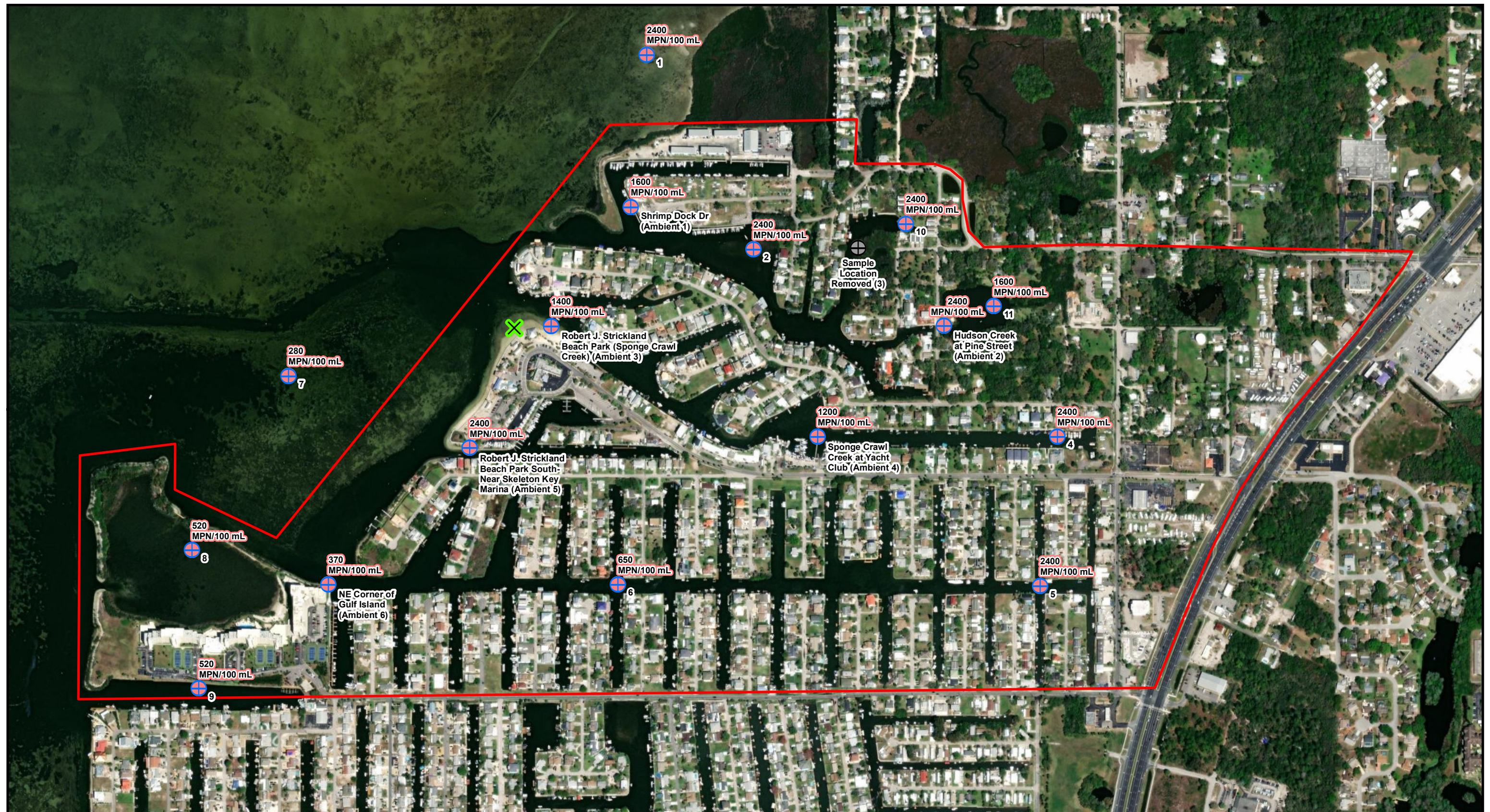
Feet 0 550 1 in = 550 feet	HUDSON BEACH POLLUTION SOURCE TRACKING FLORIDA DESIGN CONSULTANTS PASCO COUNTY, FLORIDA	Project Area Robert J. Strickland Memorial Park Event 2 Sample Location (5/17/2023) Sample Location		EVENT TWO WATER QUALITY SAMPLING MAP (5/17/2023)	
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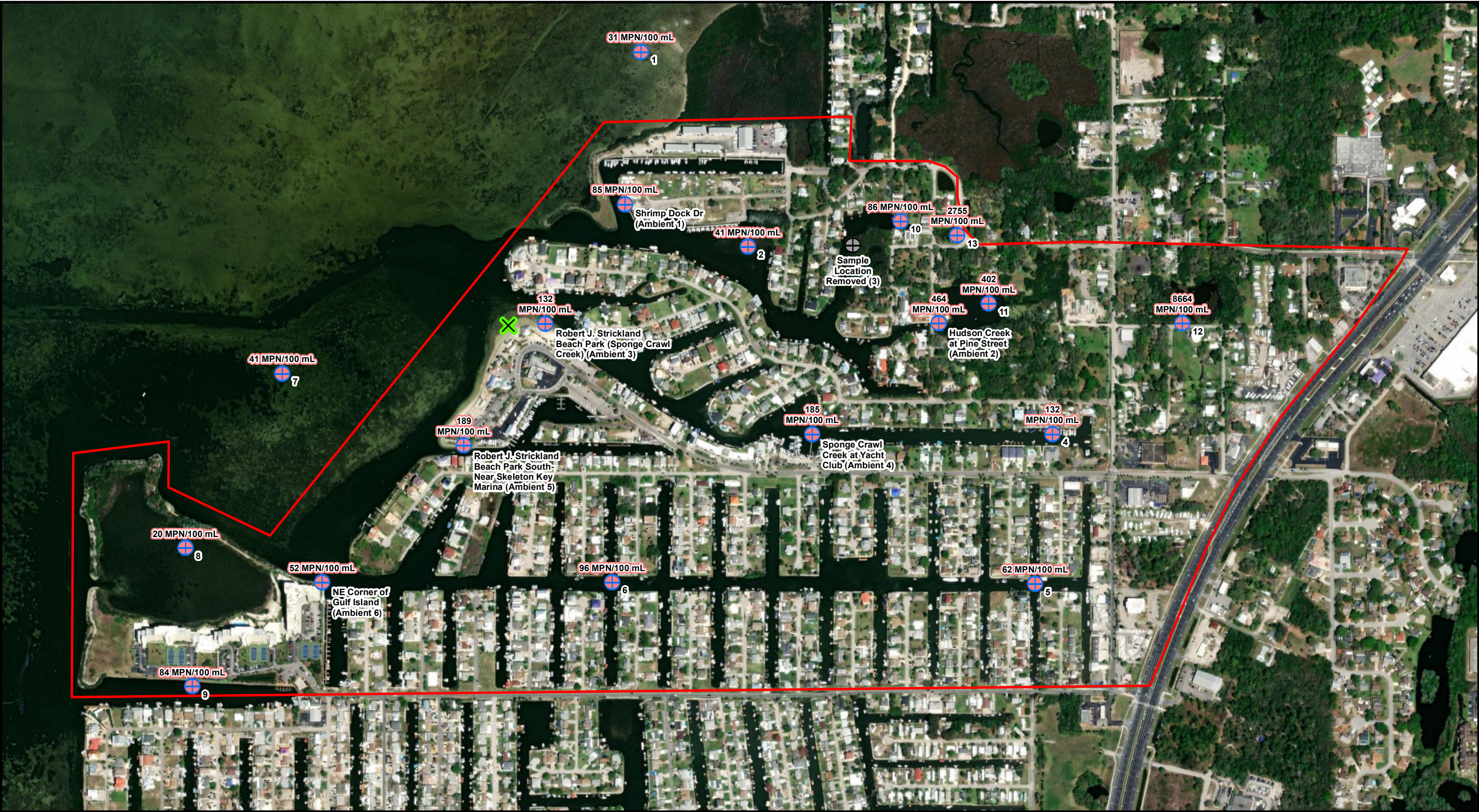
 1 in = 550 feet	HUDSON BEACH POLLUTION SOURCE TRACKING FLORIDA DESIGN CONSULTANTS PASCO COUNTY, FLORIDA	Robert J. Strickland Memorial Park Event 3 Sample Location (6/05/2023) Sample Location Sample Location Removed Project Area		EVENT THREE WATER QUALITY SAMPLING MAP (6/05/2023)	
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  1 in = 550 feet	HUDSON BEACH POLLUTION SOURCE TRACKING FLORIDA DESIGN CONSULTANTS PASCO COUNTY, FLORIDA	 Robert J. Strickland Memorial Park  Event 4 Sample Location (6/29/2023)  Sample Location	 Sample Location Removed  Project Area		EVENT FOUR WATER QUALITY SAMPLING MAP (6/29/2023)	
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Feet 0 550 1 in = 550 feet	HUDSON BEACH POLLUTION SOURCE TRACKING FLORIDA DESIGN CONSULTANTS PASCO COUNTY, FLORIDA	Robert J. Strickland Memorial Park Event 5 Sample Location (7/12/2023) Sample Location Removed Project Area		EVENT FIVE WATER QUALITY SAMPLING MAP (7/12/2023)	
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N

W

E

S

0

550

1 in = 550 feet

HUDSON BEACH POLLUTION
SOURCE TRACKING
FLORIDA DESIGN CONSULTANTS

PASCO COUNTY, FLORIDA

⊕

Event Six Sample Location (7/25/2023)

⊕

Sample Location Removed

✕

Robert J. Strickland Memorial Park

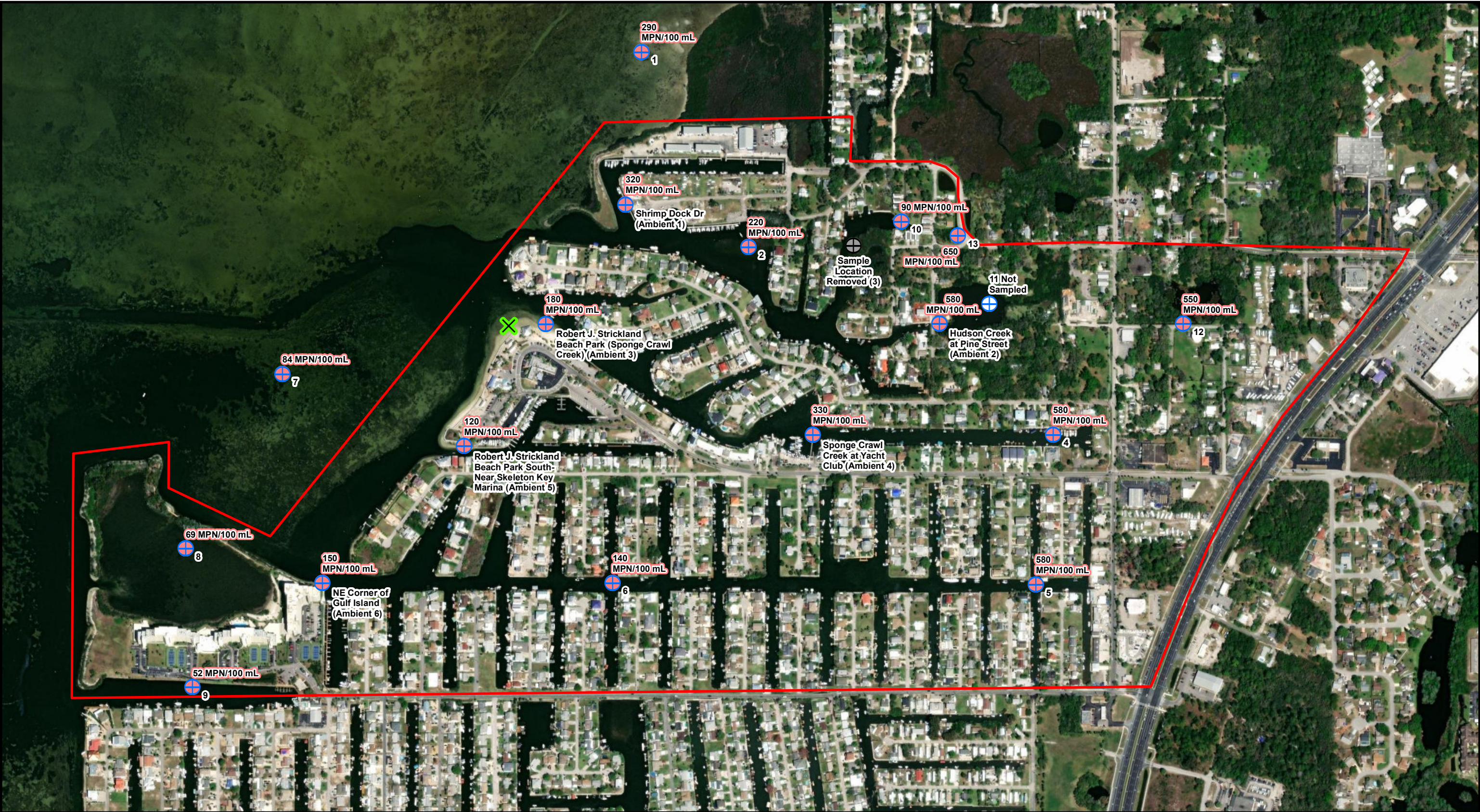
Project Area



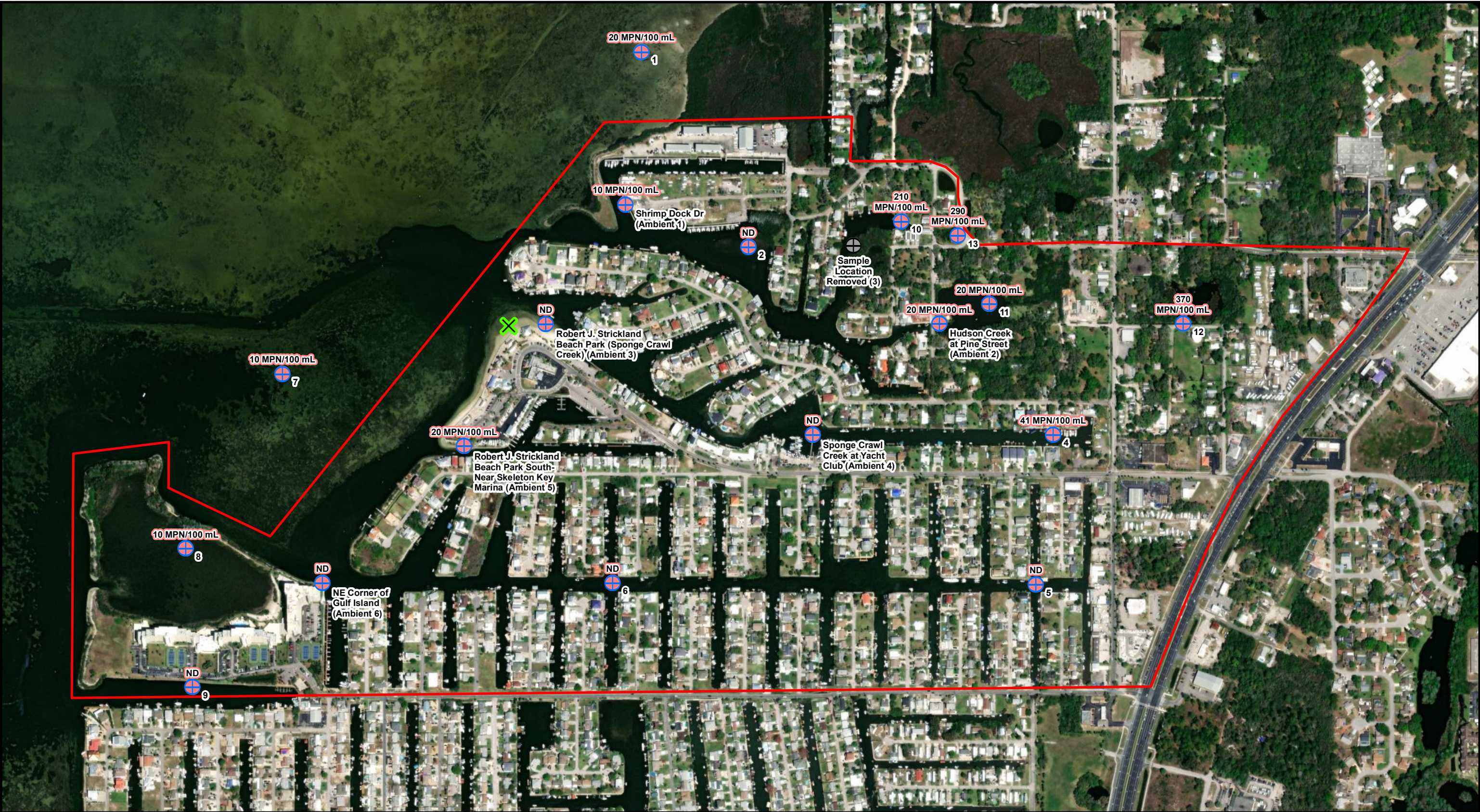
EVENT SIX
WATER QUALITY
SAMPLING
MAP
(7/25/2023)

FLATWOODS

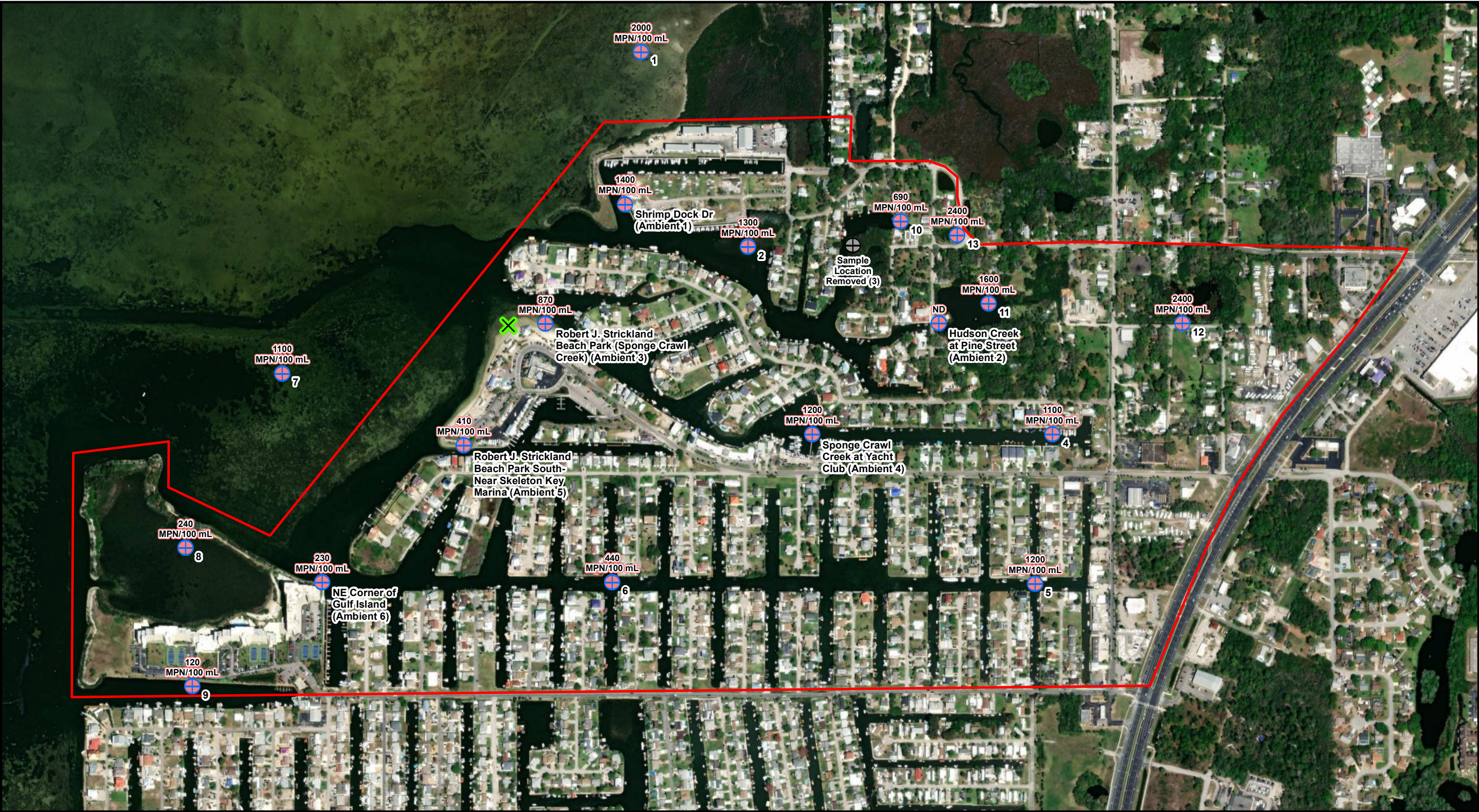
Consulting Group



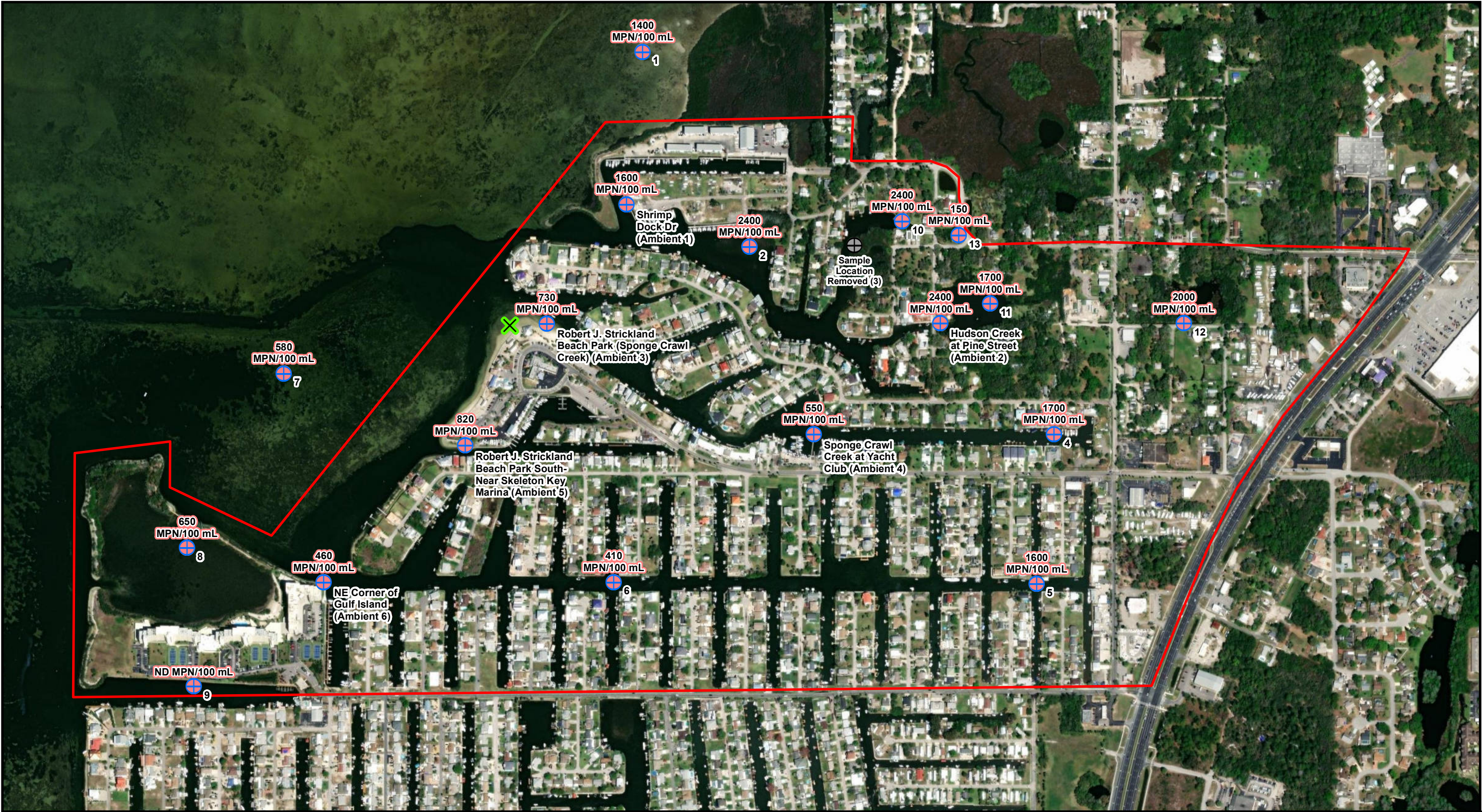
 1 in = 550 feet	HUDSON BEACH POLLUTION SOURCE TRACKING FLORIDA DESIGN CONSULTANTS PASCO COUNTY, FLORIDA	Robert J. Strickland Memorial Park Event Seven Sample Location (8/2/2023) Sample Location Sample Location Removed Project Area		EVENT SEVEN WATER QUALITY SAMPLING MAP (8/2/2023)	
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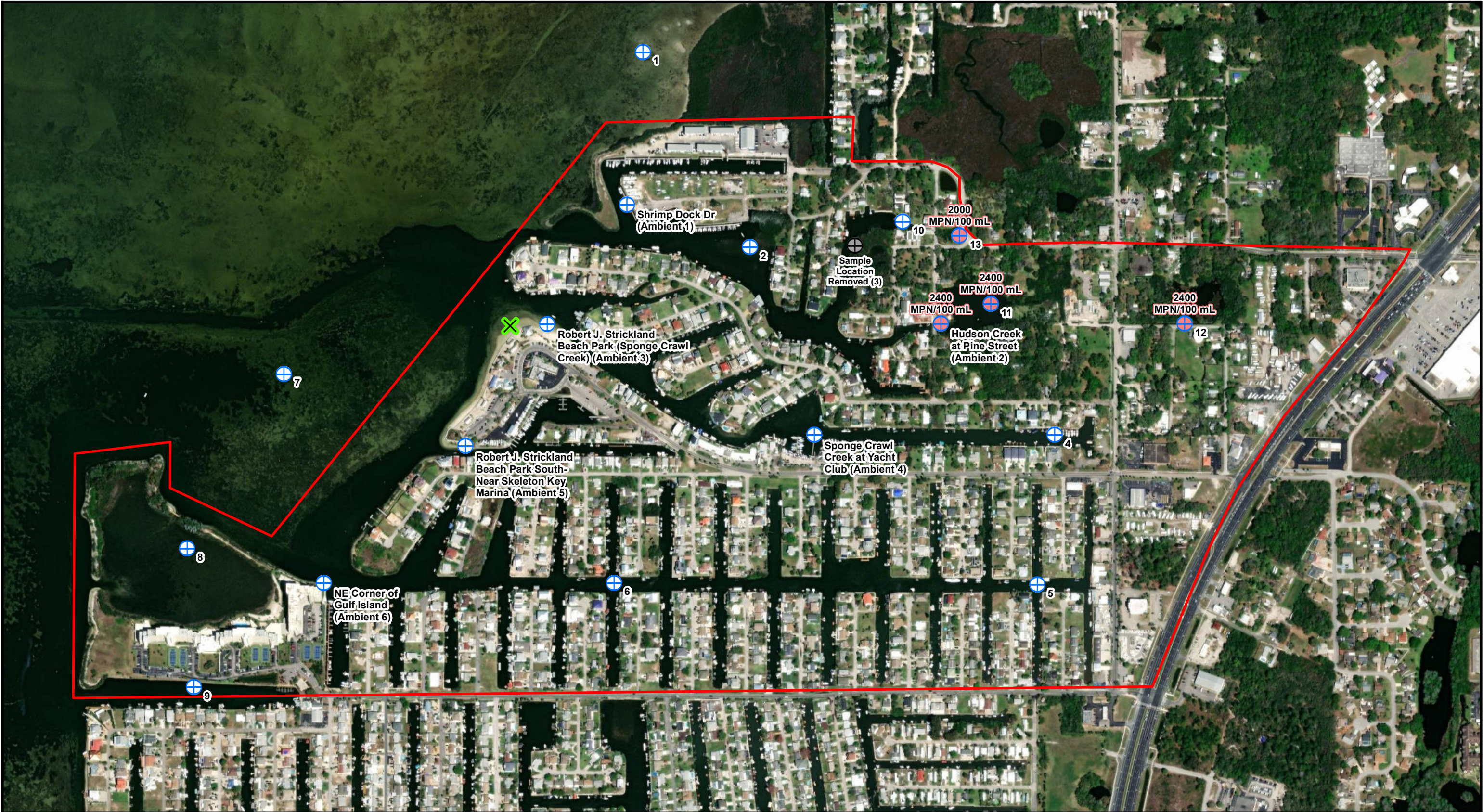
Feet 0 550 1 in = 550 feet	HUDSON BEACH POLLUTION SOURCE TRACKING FLORIDA DESIGN CONSULTANTS PASCO COUNTY, FLORIDA	Event Eight Sample Location (8/08/2023) Project Area Sample Location Removed Robert J. Strickland Memorial Park		EVENT EIGHT WATER QUALITY SAMPLING MAP (8/08/2023)	
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N W E S 0 550 Feet 1 in = 550 feet	HUDSON BEACH POLLUTION SOURCE TRACKING FLORIDA DESIGN CONSULTANTS PASCO COUNTY, FLORIDA	⊕ Event Nine Sample Location (8/21/2023) ⊗ Sample Location Removed ✕ Robert J. Strickland Memorial Park ▭ Project Area		EVENT NINE WATER QUALITY SAMPLING MAP (8/21/2023)	
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 	HUDSON BEACH POLLUTION SOURCE TRACKING FLORIDA DESIGN CONSULTANTS PASCO COUNTY, FLORIDA	Event Ten Sample Location (8/24/2023) Sample Location Removed Robert J. Strickland Memorial Park Project Area		EVENT TEN WATER QUALITY SAMPLING MAP (8/24/2023)	
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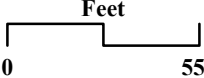
  1 in = 550 feet	HUDSON BEACH POLLUTION SOURCE TRACKING FLORIDA DESIGN CONSULTANTS PASCO COUNTY, FLORIDA	 Robert J. Strickland Memorial Park  Event Eleven Sample Location (8/28/2023)  Sample Location  Project Area  Sample Location Removed		EVENT ELEVEN WATER QUALITY SAMPLING MAP (8/28/2023)	
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Table 2 - Summary of Laboratory Results
Hudson Beach - Pollution Source Tracking
Sampling Summary Results



		Results (MPN/100 mL)										
		Event 1	Event 2	Event 3	Event 4	Event 5	Event 6*	Event 7	Event 8	Event 9	Event 10	Event 11°
		5/5/2023	5/17/2023	6/5/2023	6/29/2023	7/12/2023	7/25/2023	8/2/2023	8/8/2023	8/21/2023	8/24/2023	8/28/2023
Previous 7 day cumulative rainfall (inches)		0.27	0.64	4.23	0.6	1.09	2.4	1.28	1.31	2.3	1.15	0.51
		Low Tide: 7:21 High Tide: 12:49	Low Tide: 5:53 High Tide: 11:32	Low Tide: 8:13 High Tide: 13:32	High Tide: 9:22 Low Tide: 16:53	High Tide: 8:33 Low Tide: 16:15	High Tide: 6:03 Low Tide: 12:56	Low Tide: 7:51 High Tide: 13:27	High Tide: 6:01 Low Tide: 13:20	High Tide: 4:06 Low Tide: 10:43	High Tide: 5:50 Low Tide: 13:23	High Tide: 10:24 Low Tide: 18:13
Sample ID	Location Description	Sample start: 9:06 Sample end: 11:05	Sample start: 8:25 Sample end: 9:54	Sample start: 8:29 Sample end: 10:39	Sample start: 9:32 Sample end: 11:55	Sample start: 8:36 Sample end: 11:19	Sample start: 9:38 Sample end: 13:08	Sample start: 9:08 Sample end: 11:33	Sample start: 10:14 Sample end: 12:42	Sample start: 8:15 Sample end: 11:30	Sample start: 11:24 Sample end: 14:06	Sample start: 11:20 Sample end: 11:55
Ambient 1	Canal near Shrimp Dock Dr.	41	1400	20	ND	1600	85	320	10	1400	1600	-
Ambient 2	Hudson Creek at Pine St.	180	870	10	10	2400	464	580	20	31Δ	2400	2400
Ambient 3	RJS Beach Park (Spong Crawl Creek)	ND	1600	ND	ND	1400	132	180	ND	870	730	-
Ambient 3 (sediment)	Sample collected w/ sediment from beach	-	-	-	-	-	-	-	-	30	-	-
Ambient 4	Sponge Crawl Creek at Yacht Club	10	730	ND	5	1200	185	330	ND	1200	550	-
Ambient 5	RJS Beach Park S - Near Skeleton Key Marina	ND	1400	ND	5	2400	189	120	20	410	820	-
Ambient 6	NE Corner of Gulf Island	ND	1600	ND	ND	370	52	150	ND	230	460	-
1	Northern off-shore	-	980	10	ND	2400	31	290	20	2000	1400	-
2	Canal b/t Shrimp Dock Dr & Hendry Ct (spring location)	-	-	ND	ND	2400	41	220	ND	1300	2400	-
3 (removed location)	Location removed due to proximity to added locations	-	-	-	-	-	-	-	-	-	-	-
4	End of Sponge Crawl Creek canal	31	-	20	20	2400	132	580	41	1100□	1700	-
5	End of canal b/t Clark St & Skippers Sanctuary	ND	-	52	ND	2400	62	580	ND	1200	1600	-
6	Central canal location b/t Clark St & Skippers Sanctuary	ND	-	20	ND	650	96	140	ND	440	410	-
7	Southern off-shore	-	520	ND	-	280	41	84	10	1100	580	-
8	Within condo complex lagoon	ND	-	ND	5	520	20	69	10	240	650	-
9	Canal behind condo complex	ND	-	ND	ND	520	84	52	ND	120	ND	-
10	Canal adj. to MHP w/ previous sewage release	-	1600	20	5	2400	86	90	210	690	2400	-
11	Hudson Creek/tidally influenced pond	-	-	-	10	1600	402	-	20	1600	1700	2400
12	Ditch on Apple Ave adj. to Hudson Water Works	-	-	-	-	-	8664	550Δ	370Δ□	2400	2000	2400□
13	SW pond E of MHP and adj. to Lift Station "Port Hudson PS32"	-	-	-	-	-	2755	650	290□	2400	150	2000

*Results analyzed using different lab (Benchmark EnviroAnalytical, Palmetto FL)

°Event not fully completed due to hurricane boat traffic

Bold values indicate detections of human waste tracers

Δ = HF-183 detected

□ = Acetaminophen detected

	Bold borders indicate location was sampled for enterococci, HF-183, and acetaminophen
ND/1-70 MPN/100mL	
71-409 MPN/100mL	
409-1399 MPN/100mL	
>1400 MPN/100mL/human tracer detection	

Table 3 - Summary of Laboratory Results Hudson Beach - Pollution Source Tracking HF-183 Results



		Results (Copies/100mL)										
		Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Event 11 ^o
		5/5/2023	5/17/2023	6/5/2023	6/29/2023	7/12/2023	7/25/2023	8/2/2023	8/8/2023	8/21/2023	8/24/2023	8/28/2023
Previous 7 day cumulative rainfall (inches)		0.27	0.64	4.23	0.6	1.09	2.4	1.28	1.31	2.3	1.15	0.51
		Low Tide: 7:21 High Tide: 12:49	Low Tide: 5:53 High Tide: 11:32	Low Tide: 8:13 High Tide: 13:32	High Tide: 9:22 Low Tide: 16:53	High Tide: 8:33 Low Tide: 16:15	High Tide: 6:03 Low Tide: 12:56	Low Tide: 7:51 High Tide: 13:27	High Tide: 6:01 Low Tide: 13:20	High Tide: 4:06 Low Tide: 10:43	High Tide: 5:50 Low Tide: 13:23	High Tide: 10:24 Low Tide: 18:13
Sample ID	Location Description	Sample start: 9:06 Sample end: 11:05	Sample start: 8:25 Sample end: 9:54	Sample start: 8:29 Sample end: 10:39	Sample start: 9:32 Sample end: 11:55	Sample start: 8:36 Sample end: 11:19	Sample start: 9:38 Sample end: 13:08	Sample start: 9:08 Sample end: 11:33	Sample start: 10:14 Sample end: 12:42	Sample start: 8:15 Sample end: 11:30	Sample start: 11:24 Sample end: 14:06	Sample start: 11:20 Sample end: 11:55
Ambient 1	Canal near Shrimp Dock Dr.	-	-	-	-	-	-	-	-	ND	-	-
Ambient 2	Hudson Creek at Pine St.	-	-	-	-	-	-	-	-	‡	-	ND
Ambient 3	RJS Beach Park (Spong Crawl Creek)	-	-	-	-	-	-	-	-	ND	-	-
Ambient 3 (sediment)	Sample collected w/ sediment from beach	-	-	-	-	-	-	-	-	-	-	-
Ambient 4	Sponge Crawl Creek at Yacht Club	-	-	-	-	-	-	-	-	-	-	-
Ambient 5	RJS Beach Park S - Near Skeleton Key Marina	-	-	-	-	-	-	-	-	ND	-	-
Ambient 6	NE Corner of Gulf Island	-	-	-	-	-	-	-	-	ND	-	-
1	Northern off-shore	-	-	-	-	-	-	-	-	-	-	-
2	Canal b/t Shrimp Dock Dr & Hendry Ct (spring location)	-	-	-	-	-	-	-	-	-	-	-
3 (removed location)	Location removed due to proximity to added locations	-	-	-	-	-	-	-	-	-	-	-
4	End of Sponge Crawl Creek canal	-	-	-	-	-	-	-	-	ND	-	-
5	End of canal b/t Clark St & Skippers Sanctuary	-	-	-	-	-	-	-	-	ND	-	-
6	Central canal location b/t Clark St & Skippers Sanctuary	-	-	-	-	-	-	-	-	-	-	-
7	Southern off-shore	-	-	-	-	-	-	-	-	-	-	-
8	Within condo complex lagoon	-	-	-	-	-	-	-	-	-	-	-
9	Canal behind condo complex	-	-	-	-	-	-	-	-	-	-	-
10	Canal adj. to MHP w/ previous sewage release	-	-	-	-	-	-	ND	ND	ND	ND	-
11	Hudson Creek/tidally influenced pond	-	-	-	-	-	-	-	-	-	-	-
12	Ditch on Apple Ave adj. to Hudson Water Works	-	-	-	-	-	-	185†	‡	ND	ND	2370
13	SW pond E of MHP and adj. to Lift Station "Port Hudson PS32"	-	-	-	-	-	-	ND	ND	ND	ND	ND

⁰Event not fully completed due to hurricane boat traffic

† HF-183 detected, not quantifiable

† HF-183 detected in only one of the duplicates, reported by lab as non-detect

Table 4 - Summary of Laboratory Results Hudson Beach - Pollution Source Tracking Acetaminophen Results



		Results (ng/L)										
		Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Event 11 ^o
		5/5/2023	5/17/2023	6/5/2023	6/29/2023	7/12/2023	7/25/2023	8/2/2023	8/8/2023	8/21/2023	8/24/2023	8/28/2023
Previous 7 day cumulative rainfall (inches)		0.27	0.64	4.23	0.6	1.09	2.4	1.28	1.31	2.3	1.15	0.51
		Low Tide: 7:21 High Tide: 12:49	Low Tide: 5:53 High Tide: 11:32	Low Tide: 8:13 High Tide: 13:32	High Tide: 9:22 Low Tide: 16:53	High Tide: 8:33 Low Tide: 16:15	High Tide: 6:03 Low Tide: 12:56	Low Tide: 7:51 High Tide: 13:27	High Tide: 6:01 Low Tide: 13:20	High Tide: 4:06 Low Tide: 10:43	High Tide: 5:50 Low Tide: 13:23	High Tide: 10:24 Low Tide: 18:13
Sample ID	Location Description	Sample start: 9:06 Sample end: 11:05	Sample start: 8:25 Sample end: 9:54	Sample start: 8:29 Sample end: 10:39	Sample start: 9:32 Sample end: 11:55	Sample start: 8:36 Sample end: 11:19	Sample start: 9:38 Sample end: 13:08	Sample start: 9:08 Sample end: 11:33	Sample start: 10:14 Sample end: 12:42	Sample start: 8:15 Sample end: 11:30	Sample start: 11:24 Sample end: 14:06	Sample start: 11:20 Sample end: 11:55
Ambient 1	Canal near Shrimp Dock Dr.	-	-	-	-	-	-	-	-	ND	-	-
Ambient 2	Hudson Creek at Pine St.	-	-	-	-	-	-	-	-	ND	-	ND
Ambient 3	RJS Beach Park (Spong Crawl Creek)	-	-	-	-	-	-	-	-	ND	-	-
Ambient 3 (sediment)	Sample collected w/ sediment from beach	-	-	-	-	-	-	-	-	-	-	-
Ambient 4	Sponge Crawl Creek at Yacht Club	-	-	-	-	-	-	-	-	-	-	-
Ambient 5	RJS Beach Park S - Near Skeleton Key Marina	-	-	-	-	-	-	-	-	ND	-	-
Ambient 6	NE Corner of Gulf Island	-	-	-	-	-	-	-	-	ND	-	-
1	Northern off-shore	-	-	-	-	-	-	-	-	-	-	-
2	Canal b/t Shrimp Dock Dr & Hendry Ct (spring location)	-	-	-	-	-	-	-	-	-	-	-
3 (removed location)	Location removed due to proximity to added locations	-	-	-	-	-	-	-	-	-	-	-
4	End of Sponge Crawl Creek canal	-	-	-	-	-	-	-	-	14	-	-
5	End of canal b/t Clark St & Skippers Sanctuary	-	-	-	-	-	-	-	-	ND	-	-
6	Central canal location b/t Clark St & Skippers Sanctuary	-	-	-	-	-	-	-	-	-	-	-
7	Southern off-shore	-	-	-	-	-	-	-	-	-	-	-
8	Within condo complex lagoon	-	-	-	-	-	-	-	-	-	-	-
9	Canal behind condo complex	-	-	-	-	-	-	-	-	-	-	-
10	Canal adj. to MHP w/ previous sewage release	-	-	-	-	-	-	ND	ND	ND	ND	-
11	Hudson Creek/tidally influenced pond	-	-	-	-	-	-	-	-	-	-	-
12	Ditch on Apple Ave adj. to Hudson Water Works	-	-	-	-	-	-	ND	32	ND	ND	60
13	SW pond E of MHP and adj. to Lift Station "Port Hudson PS32"	-	-	-	-	-	-	-	25	ND	ND	ND

⁰Event not fully completed due to hurricane boat traffic

Bold borders indicate location was sampled for enterococci, HF-183, and acetaminophen

Table 5 - Field Parameters
Hudson Beach - Pollution Source Tracking



Event	Site	Date	Time	Sample Depth (m)	Water Temperature °C	Q	DO concentration (mg/L)	Q	DO saturation (%)	Q	Specific Conductivity (µS/cm)	Q	Salinity (%)	Q	pH (SU)	Q	Turbidity (NTU)	Q
1	9	5/5/2023	9:06	0.07	23.8		6.89		95.5		42709	J	27.47		7.67		1.83	
1	8	5/5/2023	9:15	0.341	23.3		6.63		90.8		42033	J	27		8.08		4.94	
1	Ambient 6	5/5/2023	9:26	0.274	23.9		6.3		86.6		40276	J	25.74		7.99		1.56	
1	Ambient 2	5/5/2023	9:43	0.352	24.3		4.65		63.9		38712	J	24.63		7.8		9.34	
1	Ambient 1	5/5/2023	9:51	0.018	23.8		5.53		75.4		39108	J	24.91		8.06		2.6	
1	Ambient 4	5/5/2023	10:03	0.205	24.4		6.12		84		38024	J	24.14		8.07		5.18	
1	4	5/5/2023	10:10	0.588	24.7		5.46		75.3		38010	J	24.12		7.97		7.79	
1	Ambient 3	5/5/2023	10:24	0.181	24		6.43		88.8		41012	J	26.26		8.31		2.38	
1	5	5/5/2023	10:42	0.503	24.8		5.69		79.4		39960	J	25.5		8.07		6.8	
1	6	5/5/2023	10:53	0.25	24.5		6.11		84.8		40244	J	25.71		8.25		3.31	
1	Ambient 5	5/5/2023	11:05	0.771	240		7.13		98.6		41530	J	26.63		8.66		2.68	
2	1	5/17/2023	8:25	0.215	27.9		5.31		77.8		39257	J	24.93		7.62		2.89	
2	7	5/17/2023	8:37	0.303	28		5.36		79.1		40661	J	25.92		8.01		4.82	
2	Ambient 6	5/17/2023	8:50	0.432	27.7		5.49		80.2		39152	J	24.86		8.04		2.18	
2	Ambient 5	5/17/2023	8:55	0.445	26.6		5.41		78.6		38257	J	24.22		7.92		2.87	
2	Ambient 4	5/17/2023	9:11	0.337	28.7		5.47		81.3		39339	J	24.97		7.95		6.24	
2	Ambient 3	5/17/2023	9:24	0.451	27.9		5.43		79.2		38510	J	24.27		8.06		2.67	
2	Ambient 1	5/17/2023	9:31	0.502	28.2		4.99		73.7		40222	J	25.6		7.97		4.44	
2	Ambient 2	5/17/2023	9:43	0.517	28.3		4.92		72.8		39926	J	25.39		7.86		5.29	
2	10	5/17/2023	9:54	0.556	27.8		4.93		72.2		39649	J	25.21		7.85		6.55	
3	Ambient 5	6/5/2023	8:12	0.369	26.1		3.93		55.7		38289	J	24.29		7.5		2.02	
3	Ambient 2	6/5/2023	8:29	0.26	24.3		3.1		42		35369	J	22.28		7.59		1.75	
3	10	6/5/2023	8:39	0.195	24.8		1.35		18.3		33721	J	21.13		7.39		1.48	
3	2	6/5/2023	8:45	0.263	24.7		1.86		25.4		35828	J	22.6		7.3		1.33	
3	Ambient 1	6/5/2023	8:54	0.129	24.9		3.05		41.8		35518	J	22.37		7.55		1.35	
3	1	6/5/2023	9:01	0.217	25.3		4.09		57		37423	J	23.7		7.89		2.13	
3	4	6/5/2023	9:18	0.371	26.7		3.9		55.6		37512	J	23.73		7.77		9.15	
3	Ambient 4	6/5/2023	9:26	0.129	26.2		4.37		61.8		37403	J	23.67		7.9		4.21	
3	Ambient 3	6/5/2023	9:35	0.242	25.7		4.58		64.3		37873	J	24.01		8.1		1.8	
3	7	6/5/2023	9:42	0.172	25		5.22		72		38306	J	24.33		8.21		1.6	
3	5	6/5/2023	10:07	0.654	26.6		4.52		64.6		38538	J	24.45		7.85		4.62	
3	6	6/5/2023	10:16	0.178	26.2		4.72		67		38568	J	24.48		7.99		3.05	
3	Ambient 6	6/5/2023	10:23	0.008	25.7		5.41		76.1		38179	J	24.22		8.14		2.44	
3	8	6/5/2023	10:33	0.299	25.5		5.82		82		39220	J	24.96		8.38		2.33	
3	9	6/5/2023	10:39	0.44	26.2		4.92		70.3		39827	J	25.37		8		1.51	
4	Ambient 2	6/29/2023	9:18	0.19	26.5		2.12		28.8		25740	J	15.67		7.2		2.25	
4	10	6/29/2023	9:24	0.331	25.6		1.11		14.8		24942	J	15.16		7.16		1.57	
4	2	6/29/2023	9:30	0.231	26.2		2.61		35.3		25490	J	15.51		7.3		1.52	
4	Ambient 1	6/29/2023	9:34	0.152	26.9		2.77		38		26747	J	16.34		7.37		1.47	
4	1	6/29/2023	9:39	0.094	30.9		4.91		74.7		36134	J	22.67		7.91		1.44	
4	4	6/29/2023	9:54	0.163	30.4		5.48		80.7		29935	J	18.42		7.91		1.94	

Table 5 - Field Parameters
Hudson Beach - Pollution Source Tracking



Event	Site	Date	Time	Sample Depth (m)	Water Temperature °C	Q	DO concentration (mg/L)	Q	DO saturation (%)	Q	Specific Conductivity (µS/cm)	Q	Salinity (%)	Q	pH (SU)	Q	Turbidity (NTU)	Q
4	Ambient 4	6/29/2023	10:00	0.186	30.2		5.91		86.7		29619	J	18.21		8		1.23	
4	Ambient 3	6/29/2023	10:06	0.106	31.2		4.77		72.1		33188	J	20.62		7.97		1.6	
4	Ambient 5	6/29/2023	10:12	0.178	30.9		4.65		69.9		33556	J	20.88		7.98		1.4	
4	5	6/29/2023	10:28	0.135	31.4		5.08		77.5		34406	J	21.45		7.83		2.07	
4	6	6/29/2023	10:37	0.177	30.8		5.58		83.8		33098	J	20.57		8.05		1.23	
4	Ambient 6	6/29/2023	10:43	0.128	30.9		4.77		72.1		34768	J	21.72		8.01		1.45	
4	8	6/29/2023	10:52	0.187	31.4		5.29		81.3		36942	J	23.22		8.07		2.42	
4	9	6/29/2023	10:59	0.249	31.2		5.55		85.2		37391	J	23.53		8.08		1.43	
4	11	6/29/2023	11:57	0.228	31		6.27		92.5		27398	J	16.7		7.91		9.6	
5	Ambient 2	7/12/2023	8:23	0.015	28.3		3.44		50.2		36220	J	22.79		7.36		2.99	
5	10	7/12/2023	8:31	0.104	26.5		1.46		20.5		35074	J	22.04		7.28		1.55	
5	2	7/12/2023	8:40	0.19	28.3		3.52		51.4		37302	J	23.55		7.68		2.04	
5	Ambient 1	7/12/2023	8:45	0.039	28.8		4.05		59.8		37585	J	23.73		7.77		0.93	
5	1	7/12/2023	8:54	0.092	29.2		4.67		69.8		38960	J	24.69		8		2.02	
5	4	7/12/2023	9:12	0.117	30.4		2.43		36.8		37403	J	23.57		7.75		2.9	
5	Ambient 4	7/12/2023	9:19	0.187	29.8		3.8		57		37303	J	23.51		7.9		1.41	
5	Ambient 3	7/12/2023	9:29	0.306	29.8		3.9		59.3		40712	J	25.91		8.08		1.38	
5	7	7/12/2023	9:36	0.133	29.6		4.94		75.2		41999	J	26.83		8.14		1.96	
5	9	7/12/2023	9:46	0.117	29.8		5.39		82.6		43029	J	27.56		8.25		1.29	
5	8	7/12/2023	9:53	0.147	29.7		5		76.5		42567	J	27.23		8.2		2.26	
5	5	7/12/2023	10:15	0.192	31		3.54		54.1		36587	J	22.98		7.88		1.3	
5	6	7/12/2023	10:24	0.113	30.4		3.81		57.8		38290	J	24.19		8.07		1.96	
5	Ambient 6	7/12/2023	10:32	0.118	30.2		4.41		67.4		40948	J	26.07		8.08		1.42	
5	Ambient 5	7/12/2023	10:38	0.17	30.4		4.69		72		40735	J	25.91		8.25		1.36	
5	11	7/12/2023	11:07	0.319	29.5		3.4		50.5		35455	J	22.23		8.03		7.66	
6	2	7/25/2023	9:42	0.129	26.4		1.52		21.2		33634.5	J	21.04		7.53		2.43	
6	Ambient 2	7/25/2023	9:51	0.182	27.4		2.15		30.4		31734.1	J	19.71		7.43		5.43	
6	10	7/25/2023	10:02	0.101	26.1		1.12		15.4		31002.3	J	19.24		7.43		1.77	
6	Ambient 1	7/25/2023	10:11	0.141	26.6		2.1		29.2		31924.2	J	19.86		7.51		1.45	
6	1	7/25/2023	10:19	0.16	28.7		3.53		52.7		40183.1	J	25.56		8.01		2.86	
6	4	7/25/2023	10:36	0.059	30.9		1.26		19.3		38564	J	24.36		7.84		4.7	
6	Ambient 4	7/25/2023	10:45	0.137	29.9		2.86		42.9		36815	J	23.17		7.99		1.96	
6	Ambient 3	7/25/2023	10:53	0.083	29.6		3.03		45.5		38476.4	J	24.34		8.07		2.01	
6	7	7/25/2023	11:01	0.181	29.0		4.24		63.7		40997.3	J	26.13		8.26		1.9	
6	9	7/25/2023	11:12	0.069	29.7		3.02		46.3		44011.5	J	28.27		8.22		4.31	
6	8	7/25/2023	11:21	0.078	28.6		4.47		67		42046.2	J	26.89		8.25		2.13	
6	5	7/25/2023	11:44	0.118	31.4		3.24		49.9		36709.6	J	23.05		7.99		2.41	
6	6	7/25/2023	11:54	0.253	30.9		3.23		49.3		37696.8	J	23.76		8.13		2.83	
6	Ambient 6	7/25/2023	12:03	0.126	30.4		3.04		46.4		39211.1	J	24.83		8.18		2.84	
6	Ambient 5	7/25/2023	12:08	0.087	30.1		3.75		57.3		40506.5	J	25.76		8.12		2.03	
6	11	7/25/2023	12:39	0.264	30.2		3.27		48.2		31391.8	J	19.42		8.05		6.06	

Table 5 - Field Parameters
Hudson Beach - Pollution Source Tracking



Event	Site	Date	Time	Sample Depth (m)	Water Temperature °C	Q	DO concentration (mg/L)	Q	DO saturation (%)	Q	Specific Conductivity (µS/cm)	Q	Salinity (%)	Q	pH (SU)	Q	Turbidity (NTU)	Q
7	Ambient 2	8/2/2023	9:08	0.018	27		2.82		38.5		24985.1	J	15.16		7.49		6.32	
7	10	8/2/2023	9:16	0.209	26.3		1.07		14.4		24534.3	J	14.88		7.43		0.85	
7	2	8/2/2023	9:25	0.21	25.9		1.32		17.7		25331.2	J	15.41		7.45		1.21	
7	Ambient 1	8/2/2023	9:31	0.151	25.9		2		26.8		24986.9	J	15.18		7.4		1.04	
7	1	8/2/2023	9:37	0.025	30.3		4.48		68.2		38889.4	J	24.61		8.03		2.13	
7	4	8/2/2023	9:50	0.265	30.7		3.39		51.8		38486	J	24.32		8.06		5.18	
7	Ambient 4	8/2/2023	9:56	0.18	30.2		3.71		56.2		37966.5	J	23.96		8.19		1.95	
7	Ambient 3	8/2/2023	10:02	0.134	30.3		4.48		68.1		38840.9	J	24.58		8.3		1.99	
7	7	8/2/2023	10:07	0.048	30.2		5.05		77		39750.1	J	25.22		8.37		2.02	
7	9	8/2/2023	10:15	0.114	30.2		3.98		60.7		39525.5	J	25.06		8.29		1.4	
7	8	8/2/2023	10:21	0.147	29.9		4.31		65.5		40219.6	J	25.56		8.35		2.83	
7	5	8/2/2023	10:39	0.131	31.8		3.56		55.4		38524.2	J	24.31		8.1		4.73	
7	6	8/2/2023	10:48	0.036	30.6		3.59		55		39576.7	J	25.08		8.35		2.06	
7	Ambient 6	8/2/2023	10:54	0.066	30.7		4.49		69		39510.6	J	25.03		8.37		2.48	
7	Ambient 5	8/2/2023	10:58	0.117	30.7		4.68		71.8		39297.2	J	24.89		8.35		2.3	
8	Ambient 2	8/8/2023	10:13	0.08	30.9		3.57		53.9		33758.5	J	21.02		7.45		11.2	
8	10	8/8/2023	10:19	0.133	28.3		2.81		39.8		29281.1	J	18.02		7.72		1.86	
8	2	8/8/2023	10:25	0.151	28.8		3.16		45.5		30952.9	J	19.15		7.74		1.05	
8	Ambient 1	8/8/2023	10:29	0.218	29.4		3.55		52.1		33076.1	J	20.59		7.77		1.48	
8	1	8/8/2023	10:34	0.125	33.4		4.37		70.3		40366.1	J	25.55		8.12		2.31	
8	4	8/8/2023	10:49	0.109	33.2		4.95		78.6		37901.3	J	23.83		8.13		4.29	
8	Ambient 4	8/8/2023	10:55	0.168	33.2		4.99		79.2		37994.7	J	23.9		8.13		3.65	
8	Ambient 3	8/8/2023	11:01	0.156	33.4		5.06		80.9		39024.2	J	24.61		8.21		1.77	
8	7	8/8/2023	11:07	0.094	33.2		5.1		81.9		41023.5	J	26.03		8.39		1.83	
8	9	8/8/2023	11:13	0.12	33.4		4.84		78.2		42096.6	J	26.78		8.36		1.62	
8	8	8/8/2023	11:18	0.172	33.4		5.43		87.8		41709.1	J	26.51		8.36		2.9	
8	5	8/8/2023	11:36	0.166	33.6		4.71		75.5		38396.6	J	24.17		8.19		3.56	
8	6	8/8/2023	11:44	0.151	33.1		5.02		79.8		38922.2	J	24.55		8.27		3.29	
8	Ambient 6	8/8/2023	11:51	0.127	33.2		4.88		78		39692.7	J	25.09		8.32		2.16	
8	Ambient 5	8/8/2023	11:55	0.11	33.9		4.96		80.3		40291.6	J	25.49		8.3		1.43	
8	11	8/8/2023	12:49	0.181	33.1		6.19		96		32130.1	J	19.85		7.96		12.3	
9	Ambient 3	8/21/2023	8:26	0.366	29.9		3.26		49.6		39840.8	J	25.29		7.73		3.63	
9	10	8/21/2023	8:59	0.126	27.5		3.05		43.2		32090	J	19.95		7.63		7.24	
9	Ambient 2	8/21/2023	9:06	0.147	27.5		1.88		26.6		31841.5	J	19.78		7.55		2.62	
9	2	8/21/2023	9:12	0.185	27.2		1.95		27.5		32780.8	J	20.43		7.59		1.89	
9	Ambient 1	8/21/2023	9:17	0.166	26.9		2.32		32.4		30784	J	19.07		7.52		1.29	
9	1	8/21/2023	9:21	0.186	29.6		3.08		46.1		37271.2	J	23.49		7.77		4.33	
9	4	8/21/2023	9:35	0.155	30.5		2.76		42.4		40155.5	J	25.5		7.86		6.87	
9	Ambient 4	8/21/2023	9:42	0.11	30.6		2.96		45.5		40516	J	25.75		7.99		4.75	
9	7	8/21/2023	9:51	0.117	29.7		4.82		73		39976.2	J	25.39		8.14		2.71	
9	9	8/21/2023	9:57	0.229	29.7		5.18		79.2		42578.3	J	27.24		8.18		1.34	

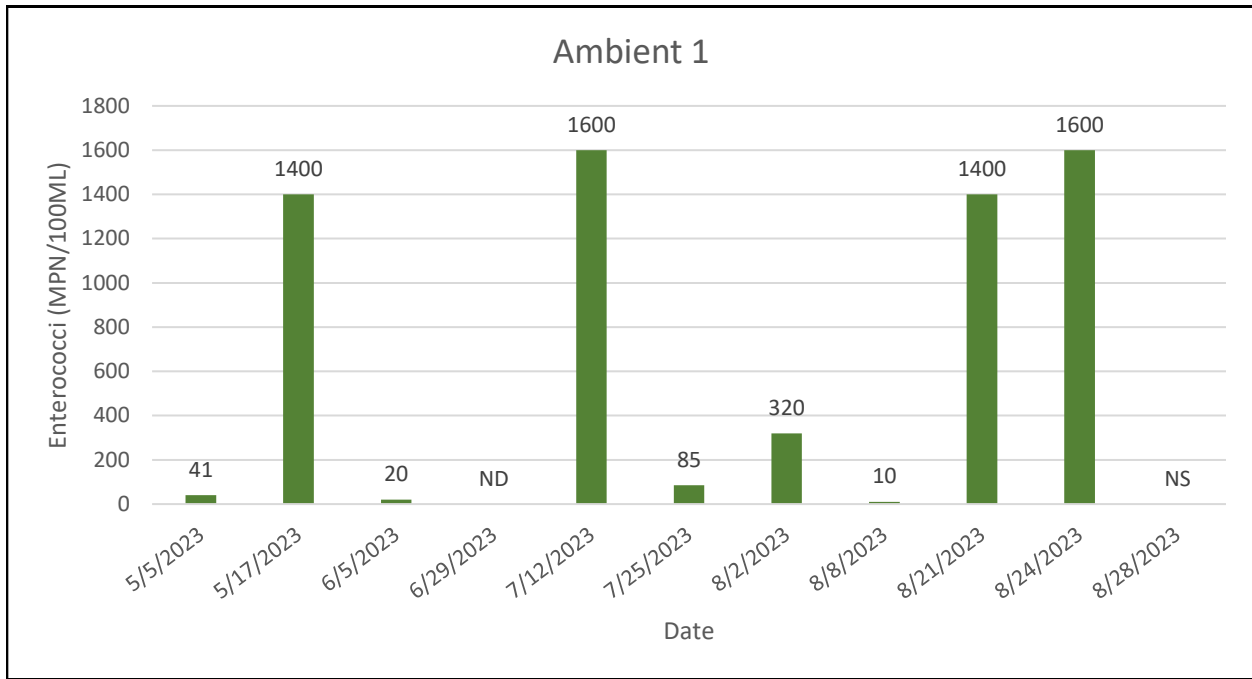
Table 5 - Field Parameters
Hudson Beach - Pollution Source Tracking



Event	Site	Date	Time	Sample Depth (m)	Water Temperature °C	Q	DO concentration (mg/L)	Q	DO saturation (%)	Q	Specific Conductivity (µS/cm)	Q	Salinity (%)	Q	pH (SU)	Q	Turbidity (NTU)	Q
9	8	8/21/2023	10:02	0.198	29.7		4.98		76		42256.4	J	27.01		8.16		3.91	
9	5	8/21/2023	10:22	0.095	30.8		3.45		53.2		40709.5	J	25.88		7.96		4.81	
9	6	8/21/2023	10:35	0.26	30.6		3.82		58.9		41414.3	J	26.39		8.09		2.99	
9	Ambient 6	8/21/2023	10:41	0.177	30.3		4.45		68.3		41071	J	26.15		8.21		1.49	
9	Ambient 5	8/21/2023	10:48	0.168	30.5		3.89		60		41366.8	J	26.35		8.09		1.56	
9	11	8/21/2023	11:11	0.066	29.2		3.81		55.5		32332.8	J	20.08		7.96		7.86	
9	13	8/21/2023	11:24	0.164	30.1		12.87		179.6		16354.8	J	9.52		7.89		22.2	
9	12	8/21/2023	11:32	0.181	30.1		0.78		10.7		11824.1	J	6.7		7.76		21	
10	Ambient 2	8/24/2023	11:24	0.088	30.8		3.18		47.7		33272.6		20.69		7.9		12.9	
10	10	8/24/2023	11:32	0.133	28.9		2.68		38.9		33024.4		20.56		8.08		3.89	
10	2	8/24/2023	11:41	0.277	27.8		2.15		30.7		32941.8		20.53		7.98		1.84	
10	Ambient 1	8/24/2023	11:46	0.147	29.4		4.66		68.3		32520.4		20.21		8.02		1.99	
10	1	8/24/2023	11:52	0.122	31.7		5.86		91.1		38331.9		24.18		8.38		2.84	
10	4	8/24/2023	12:13	0.124	32.1		4.74		73.9		37775.4		23.78		8.24		7.22	
10	Ambient 4	8/24/2023	12:19	0.16	32.4		4.6		72.1		38064.6		23.97		8.28		4.02	
10	Ambient 3	8/24/2023	12:27	0.136	32.1		5.49		85.9		38688.3		24.42		8.48		2.56	
10	7	8/24/2023	12:35	0.063	31.6		6.38		99.1		39022		24.67		8.55		2.59	
10	9	8/24/2023	12:42	0.199	32.0		5.67		89.2		40095.2		25.41		8.47		1.76	
10	8	8/24/2023	12:47	0.164	32.1		6.68		104.9		39394.5		24.91		8.52		3.41	
10	5	8/24/2023	13:06	0.156	32.5		5.25		82.7		38770.9		24.46		8.39		6.51	
10	6	8/24/2023	13:16	0.171	32.2		5.56		87.2		38881.6		24.55		8.44		2.73	
10	Ambient 6	8/24/2023	13:22	0.191	32.1		5.47		85.7		38855.8		24.53		8.42		1.46	
10	Ambient 5	8/24/2023	13:27	0.146	32.5		5.2		81.8		38462.9		24.25		8.31		2.16	
10	11	8/24/2023	13:57	0.213	31.4		2		30		31112.9		19.2		8.1		18.3	
10	13	8/24/2023	14:08	0.039	34.1		16.54		246.7		16731.4		9.7		9.35		18.8	
10	12	8/24/2023	14:19	0.073	33.6		12.55		182.9		12262.3		6.93		8.71		9.59	
11	11	8/28/2023	11:23	0.15	30.9		2.42		36.9		36923.9		23.22		7.74		10.1	
11	Ambient 2	8/28/2023	11:32	0.396	30.5		3.38		51.5		38466.2		24.31		7.9		2.7	
11	13	8/28/2023	11:44	0.012	31.6		20.19		287.9		15099.4		8.71		9.32		30.6	
11	12	8/28/2023	11:56	0.086	30.2		0.73		9.9		4407.2		2.33		7.38		5.06	

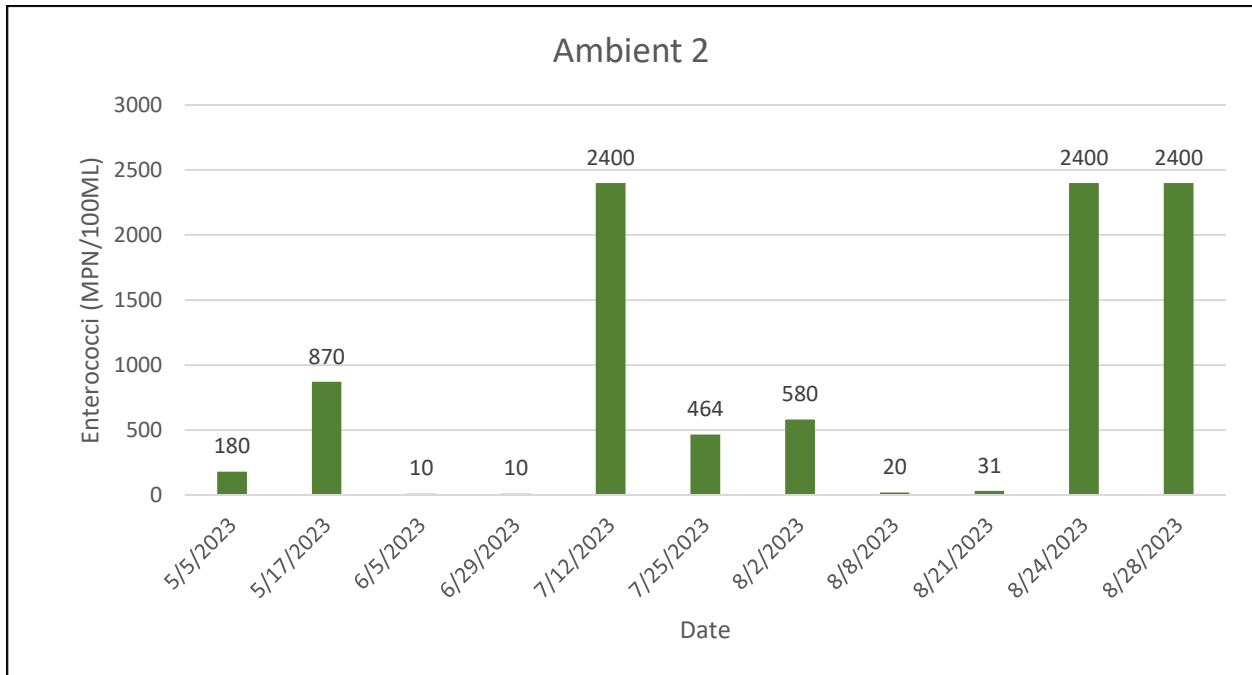
J - Quantitative bracketing unable to be performed; therefore, value is an estimate.

HUDSON BEACH POLLUTION SOURCE TRACKING ENTEROCOCCI SAMPLING RESULTS



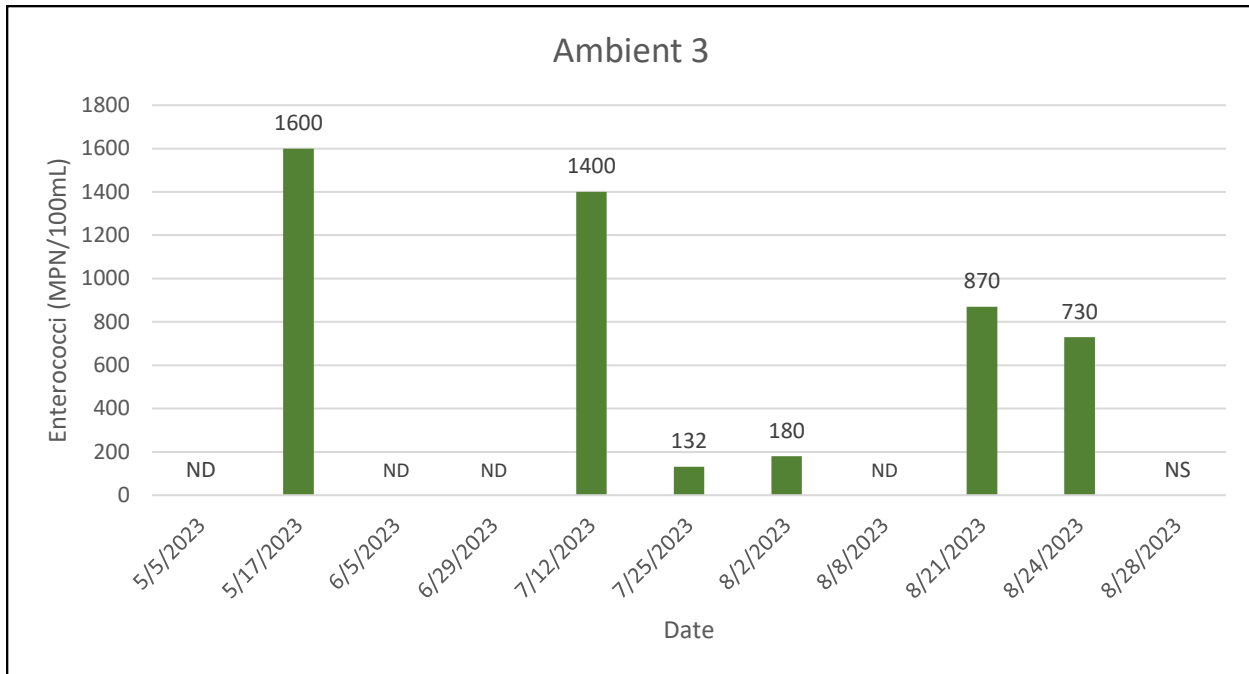
ND = sampled, non-detect
NS = location not sampled

Figure 1



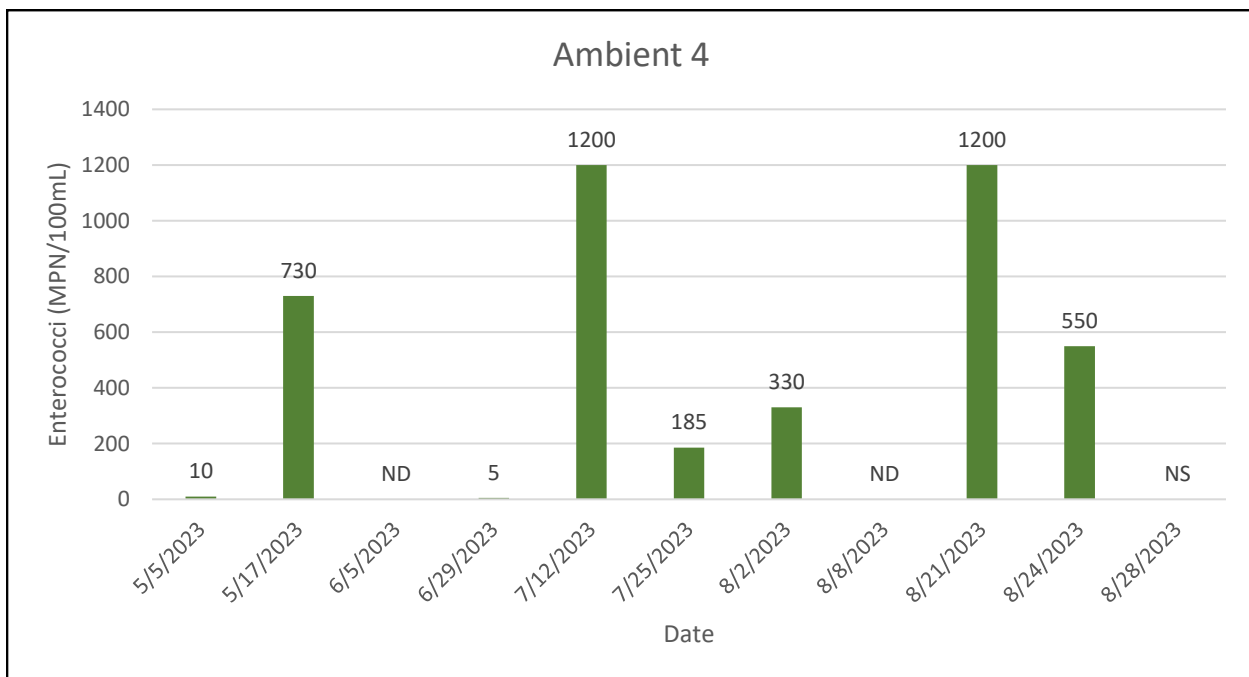
ND = sampled, non-detect
NS = location not sampled

Figure 2



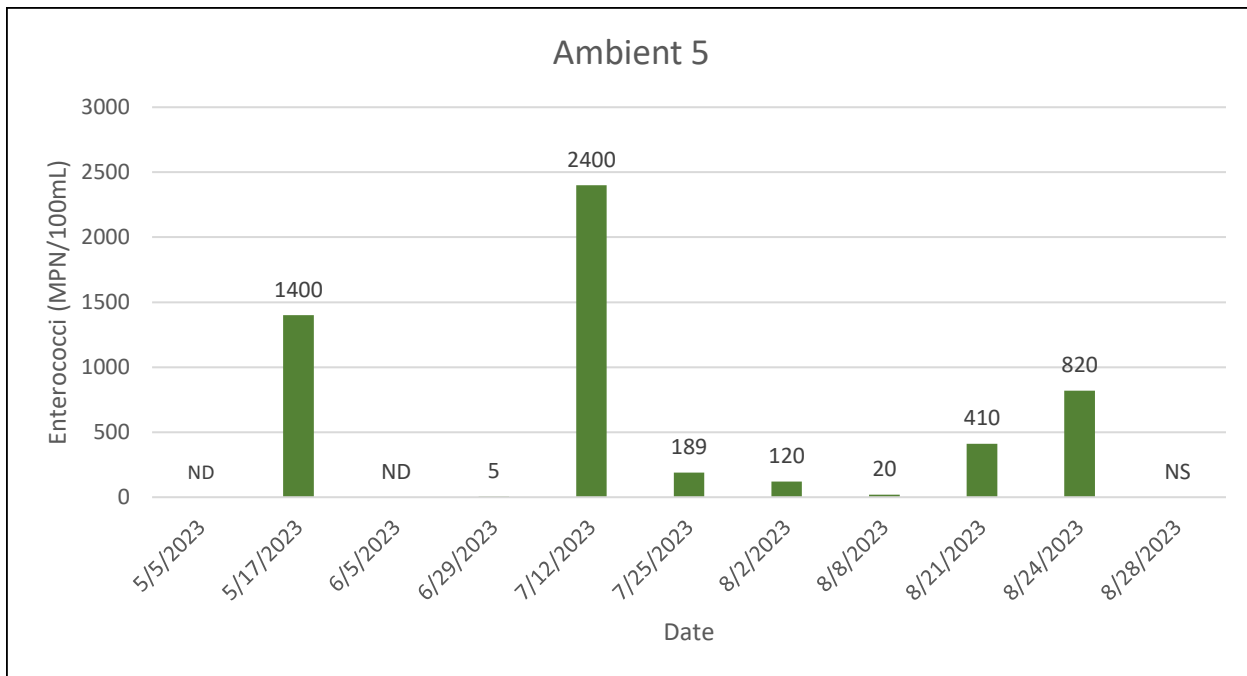
ND = sampled, non-detect
 NS = location not sampled

Figure 3



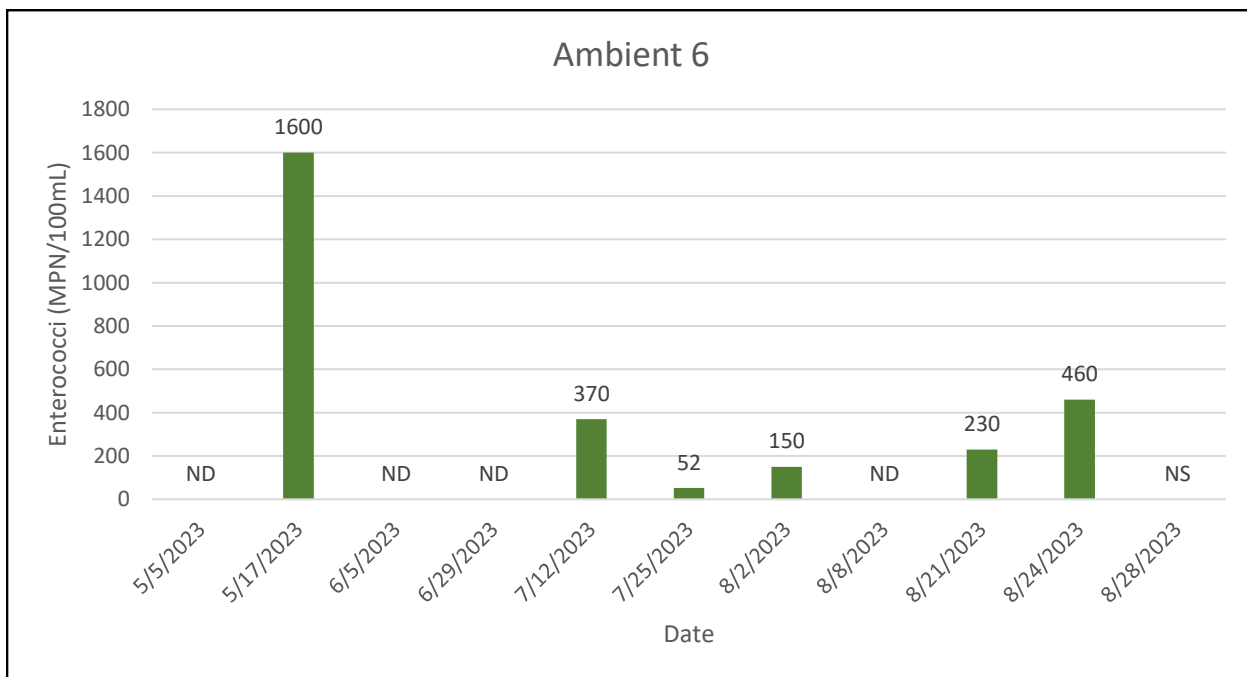
ND = sampled, non-detect
 NS = location not sampled

Figure 4



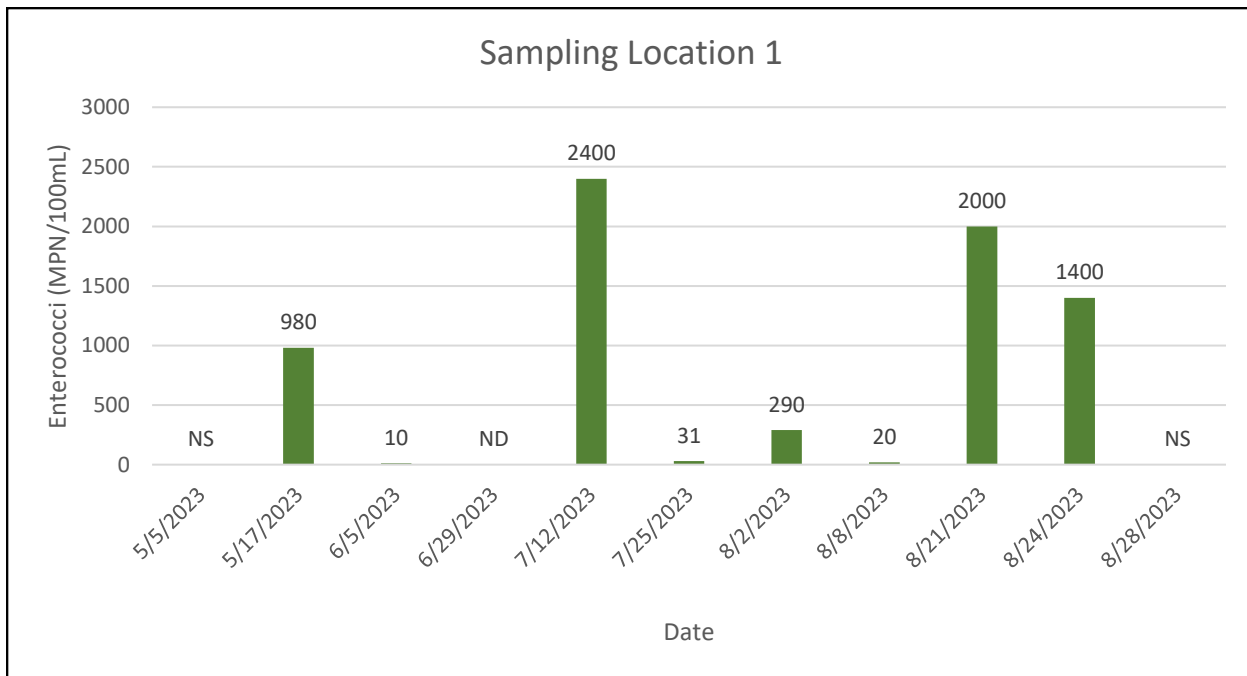
ND = sampled, non-detect
NS = location not sampled

Figure 5



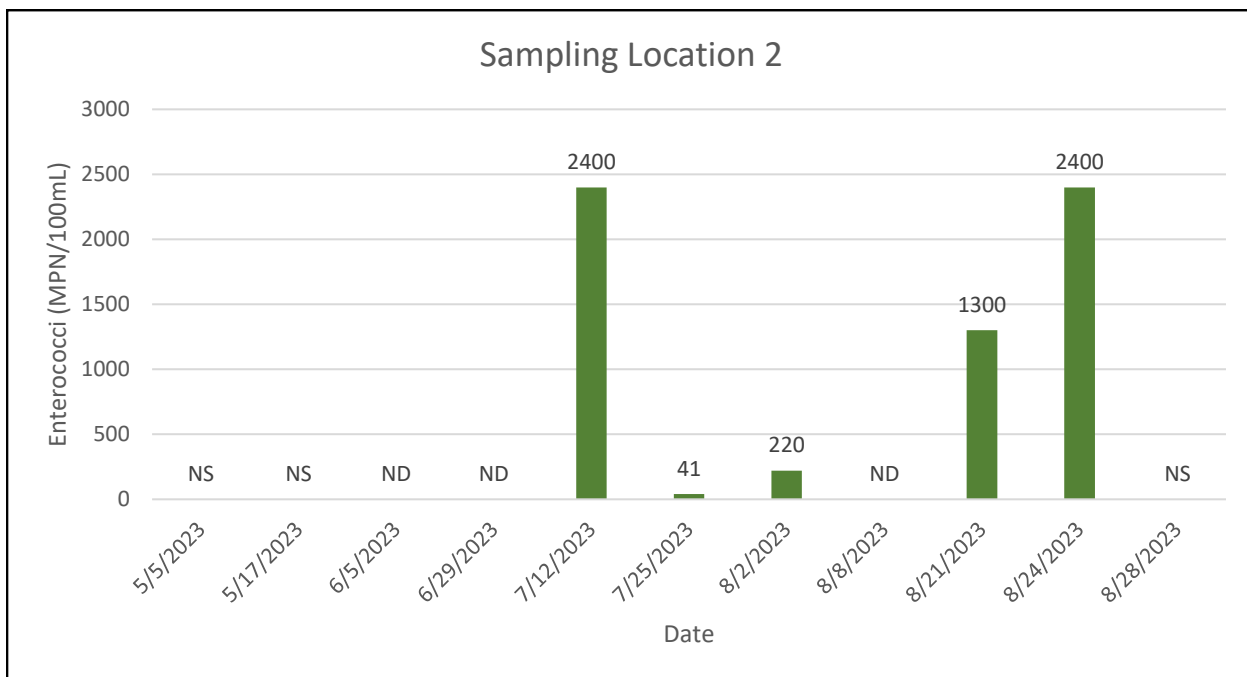
ND = sampled, non-detect
NS = location not sampled

Figure 6



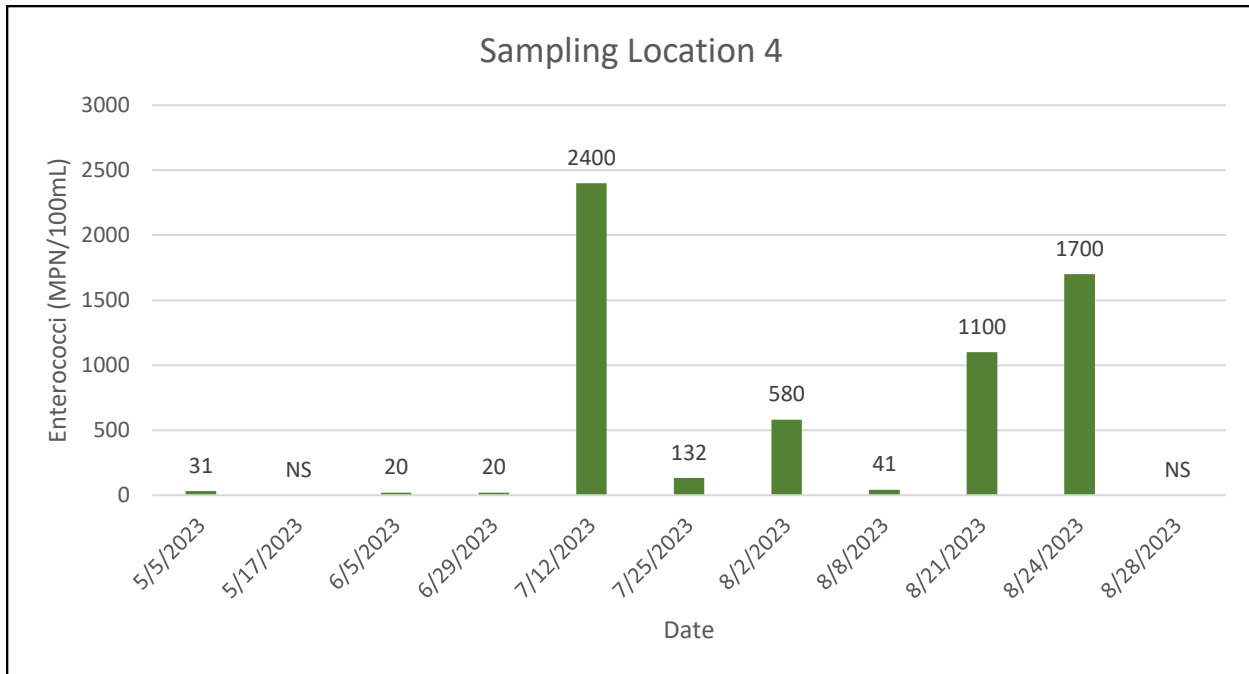
ND = sampled, non-detect
NS = location not sampled

Figure 7



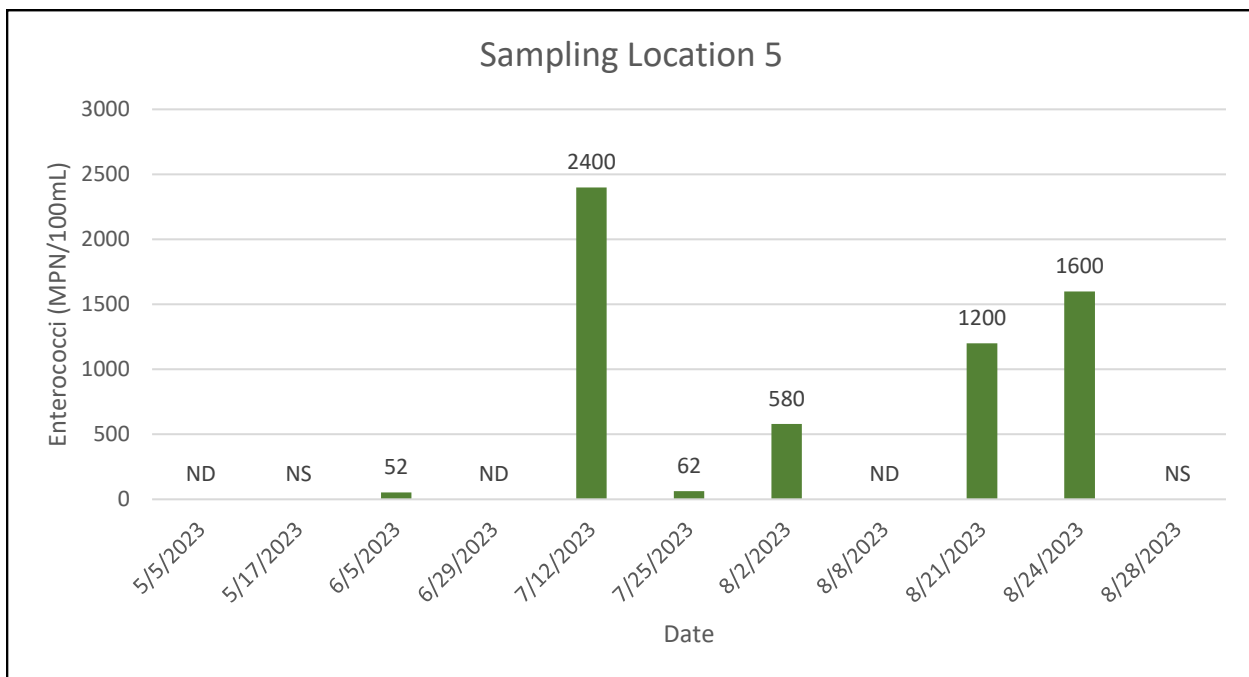
ND = sampled, non-detect
NS = location not sampled

Figure 8



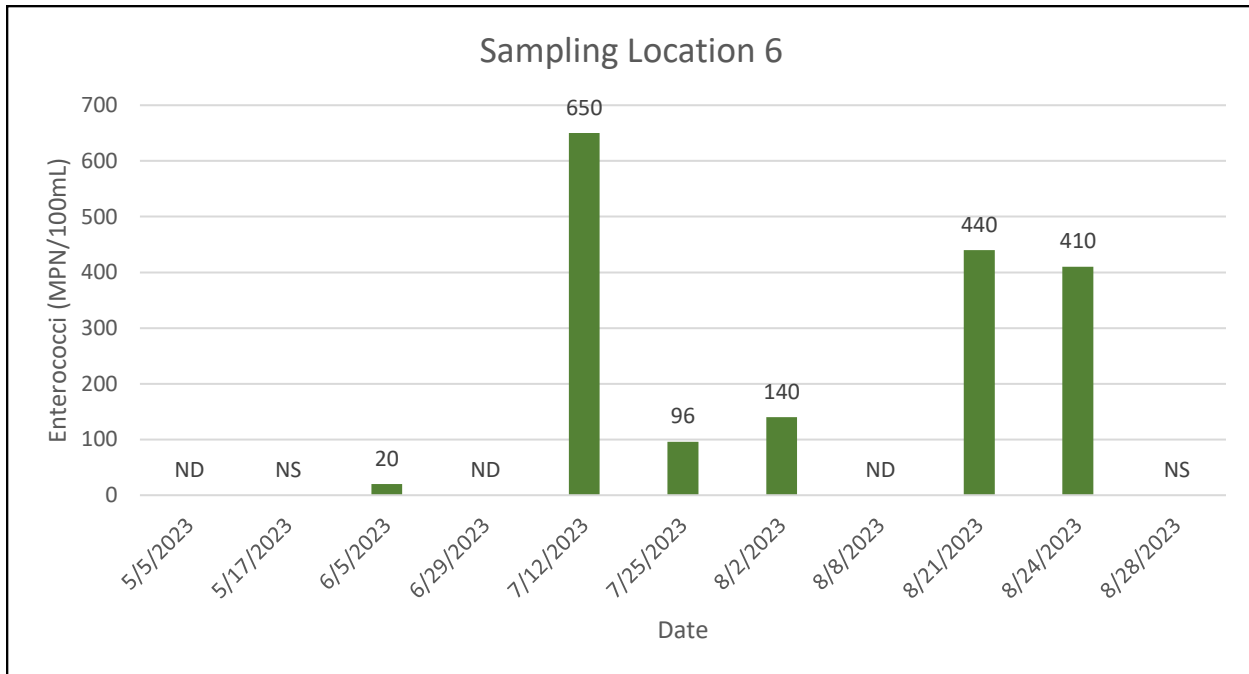
ND = sampled, non-detect
NS = location not sampled

Figure 9



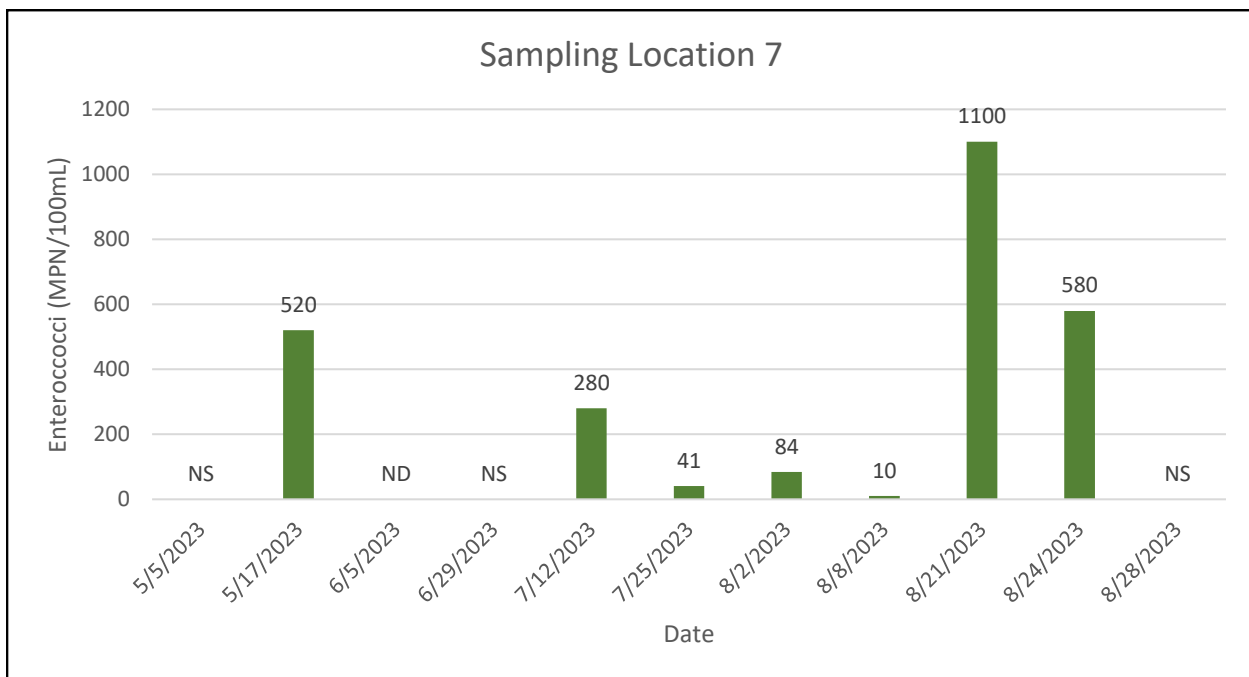
ND = sampled, non-detect
NS = location not sampled

Figure 10



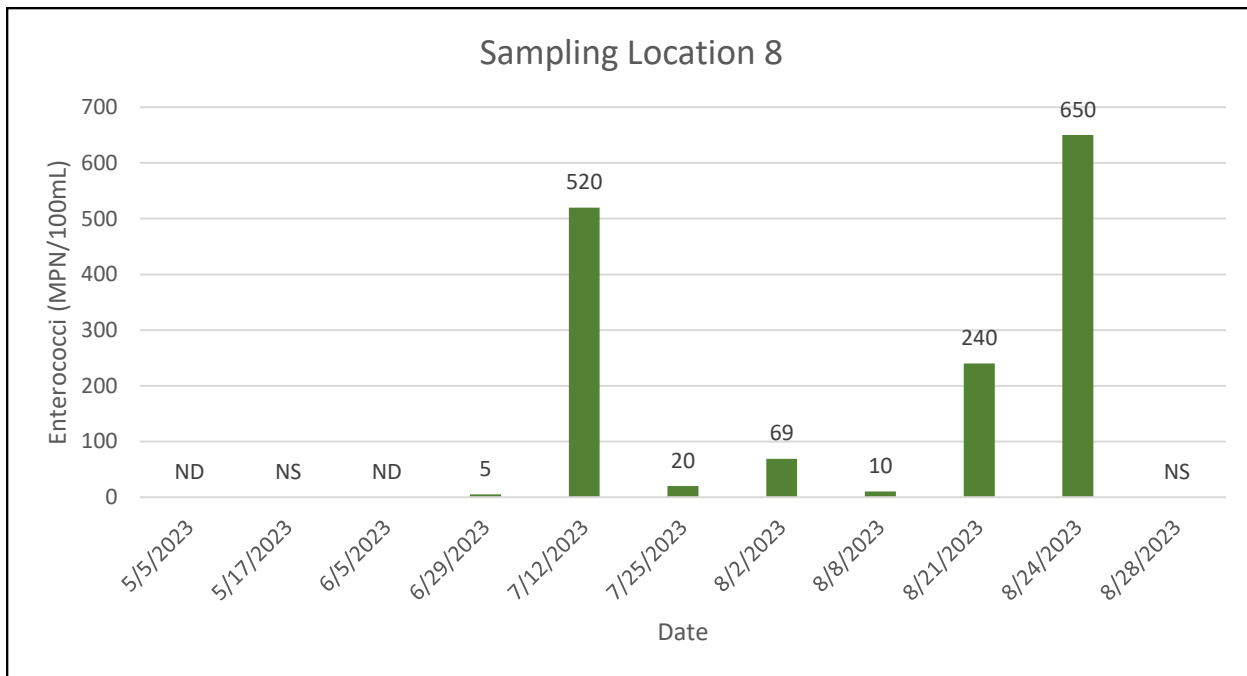
ND = sampled, non-detect
 NS = location not sampled

Figure 11



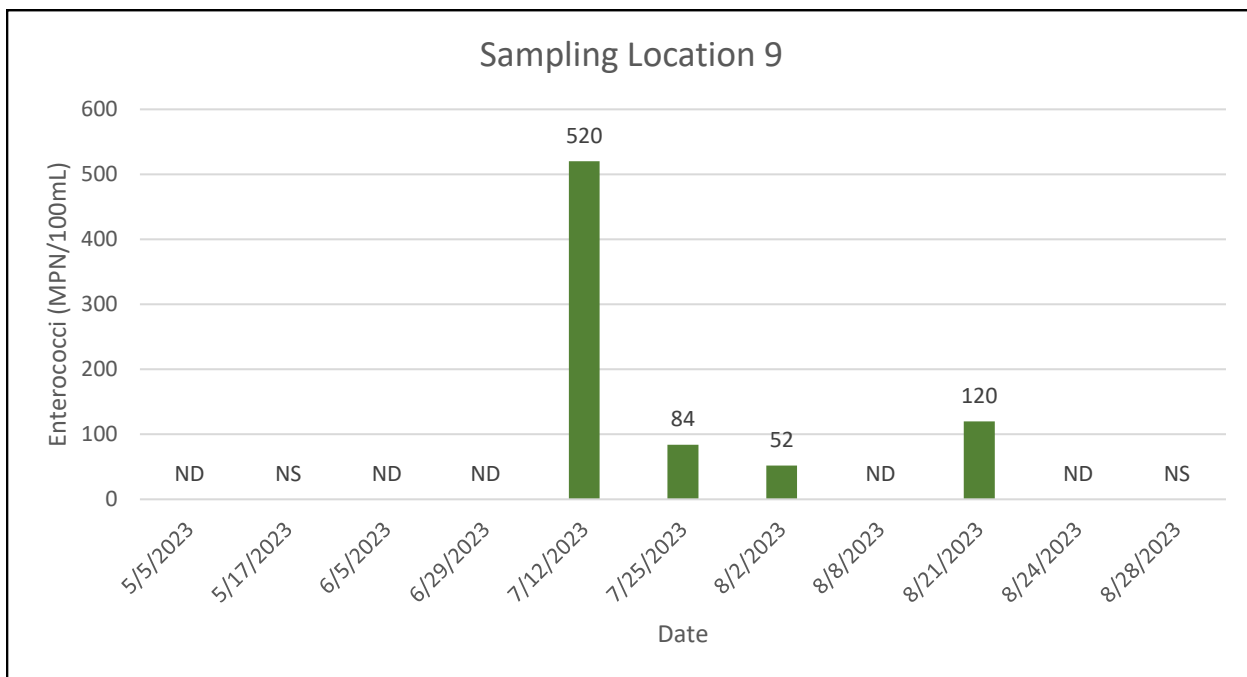
ND = sampled, non-detect
 NS = location not sampled

Figure 12



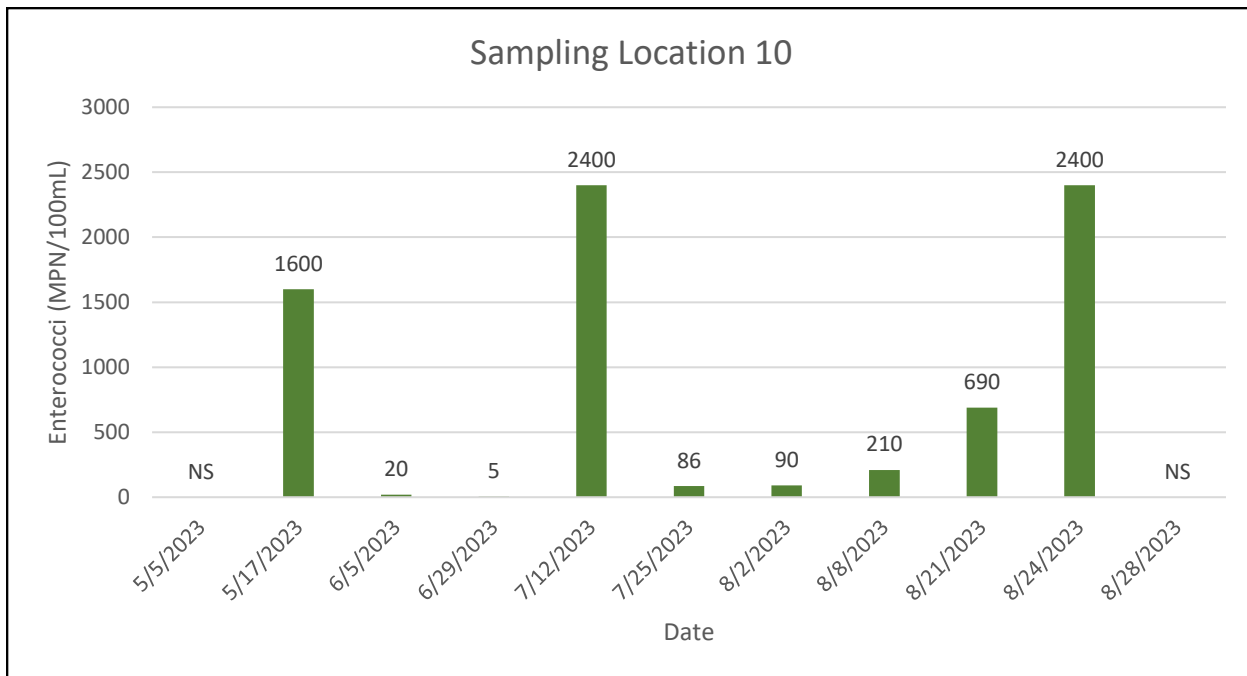
ND = sampled, non-detect
NS = location not sampled

Figure 13



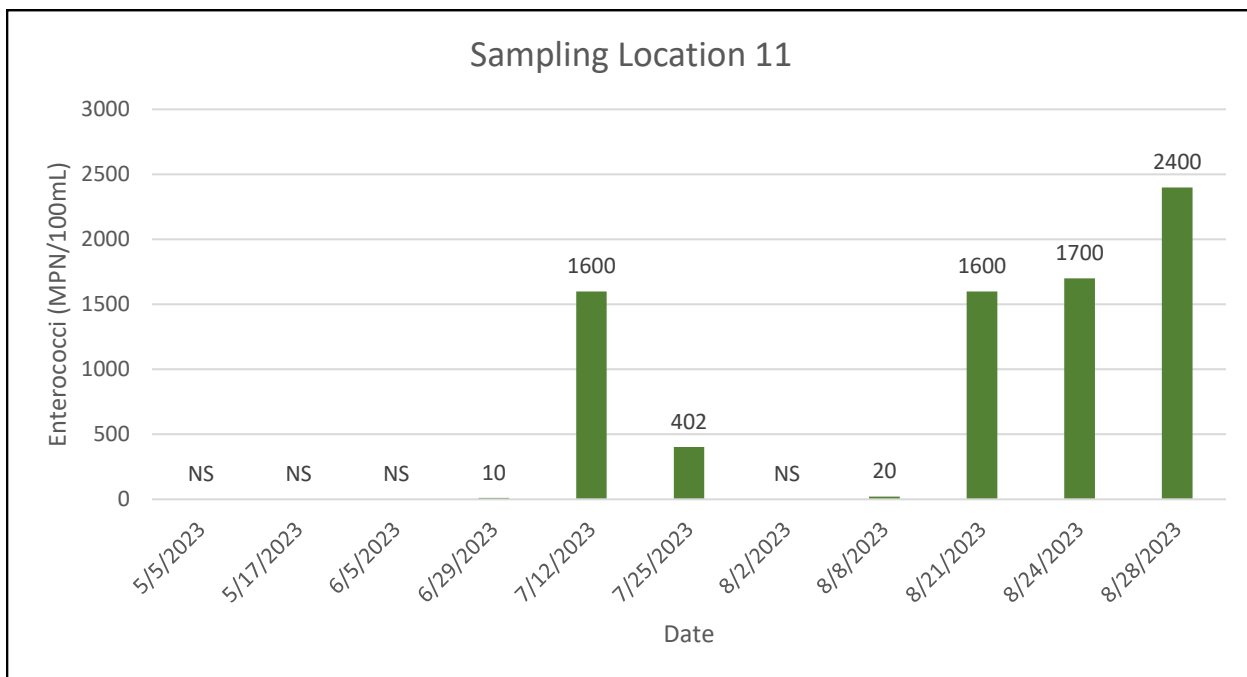
ND = sampled, non-detect
NS = location not sampled

Figure 14



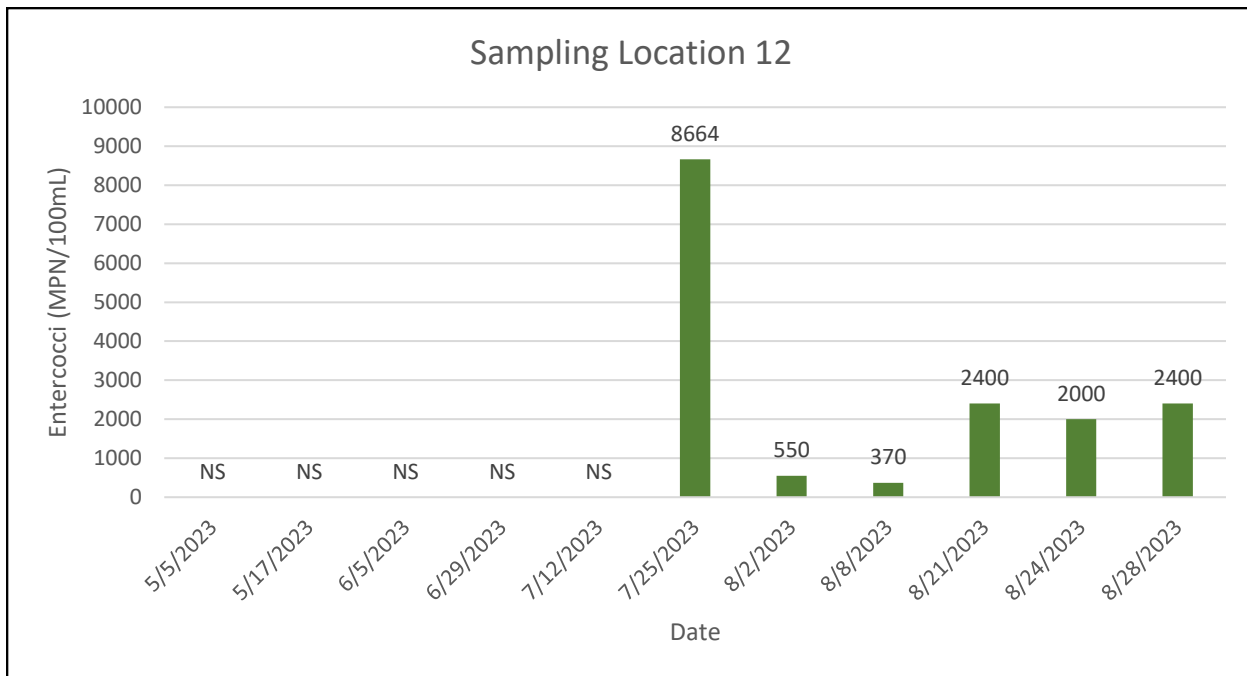
ND = sampled, non-detect
 NS = location not sampled

Figure 15



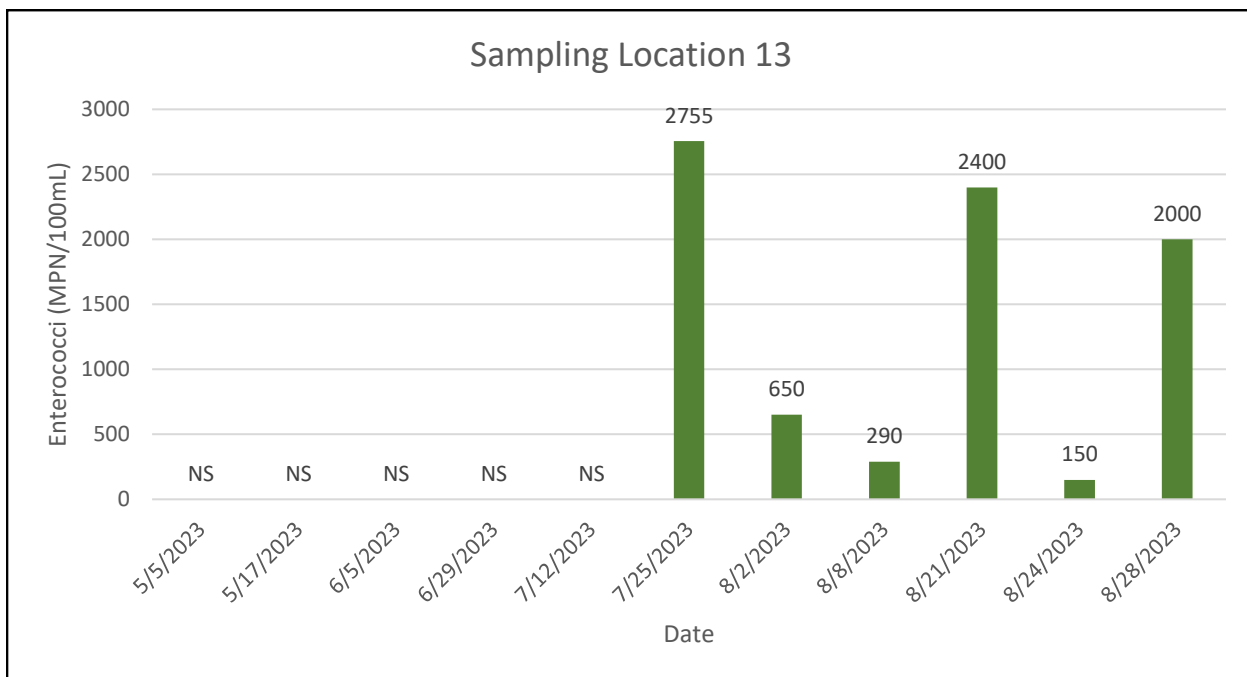
ND = sampled, non-detect
 NS = location not sampled

Figure 16



ND = sampled, non-detect
NS = location not sampled

Figure 17



ND = sampled, non-detect
NS = location not sampled

Figure 18

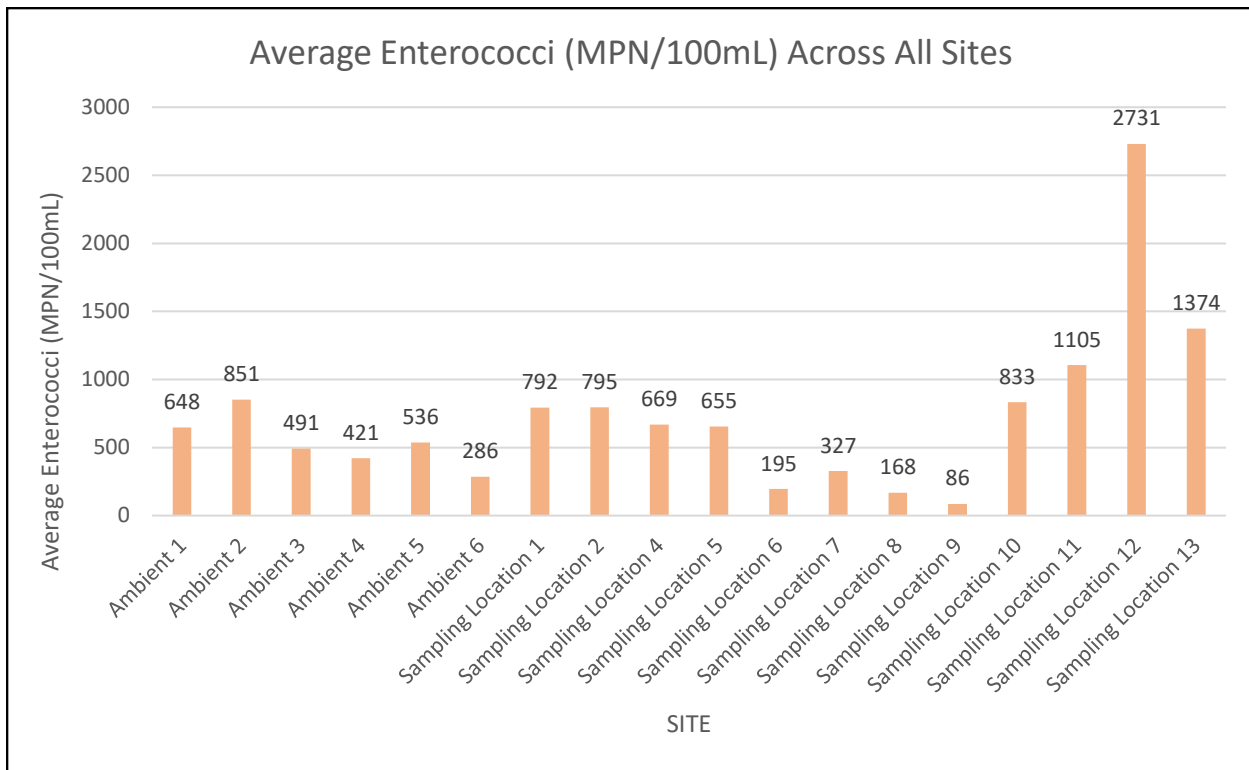


Figure 19



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FINAL

Workorder: Hudson Beach (T2309034)

May 17, 2023

Michael Grzywacz
Flatwoods
8306 ILaurel Fair Circle Ste12
Tampa,

RE: Workorder: T2309034 Hudson Beach

Dear Michael Grzywacz:

Enclosed are the analytical results for sample(s) received by the laboratory on Friday May 5, 2023. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Sheila Wilcox, Assistant Lab Manager
SWilcox@aellab.com

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FINAL

Workorder: Hudson Beach (T2309034)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
T2309034001	9	WA	ENTEROLERT/ QUANTI-TRAY	05/05/2023 09:06	05/05/2023 12:30	1	NA
T2309034002	8	WA	ENTEROLERT/ QUANTI-TRAY	05/05/2023 09:15	05/05/2023 12:30	1	NA
T2309034003	NE Corner of Gulf Island	WA	ENTEROLERT/ QUANTI-TRAY	05/05/2023 09:26	05/05/2023 12:30	1	NA
T2309034004	Hudson Creek at Pine St	WA	ENTEROLERT/ QUANTI-TRAY	05/05/2023 09:43	05/05/2023 12:30	1	NA
T2309034005	Shrimp Deck Drive	WA	ENTEROLERT/ QUANTI-TRAY	05/05/2023 09:51	05/05/2023 12:30	1	NA
T2309034006	Sponge Crawl Creek	WA	ENTEROLERT/ QUANTI-TRAY	05/05/2023 10:03	05/05/2023 12:30	1	NA
T2309034007	4	WA	ENTEROLERT/ QUANTI-TRAY	05/05/2023 10:10	05/05/2023 12:30	1	NA
T2309034008	Robert Strickland	WA	ENTEROLERT/ QUANTI-TRAY	05/05/2023 10:24	05/05/2023 12:30	1	NA
T2309034009	5	WA	ENTEROLERT/ QUANTI-TRAY	05/05/2023 10:42	05/05/2023 12:30	1	NA
T2309034010	6	WA	ENTEROLERT/ QUANTI-TRAY	05/05/2023 10:53	05/05/2023 12:30	1	NA
T2309034011	Robert Strickland	WA	ENTEROLERT/ QUANTI-TRAY	05/05/2023 11:05	05/05/2023 12:30	1	NA

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FINAL

Workorder: Hudson Beach (T2309034)

Analytical Results Qualifiers

Parameter Qualifiers

- U The compound was analyzed for but not detected.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Lab Qualifiers

- T DOH Certification #E84589 (FL NELAC) AEL-Tampa

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Workorder: Hudson Beach (T2309034)

Analytical Results

Lab ID: T2309034001
Sample ID: 9

Date Collected: 05/05/2023 09:06
Date Received: 05/05/2023 12:30

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	05/05/2023 14:29	05/05/2023 14:29	T

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Workorder: Hudson Beach (T2309034)

Analytical Results

Lab ID: T2309034002
Sample ID: 8

Date Collected: 05/05/2023 09:15
Date Received: 05/05/2023 12:30

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	05/05/2023 14:29	05/05/2023 14:29	T

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Workorder: Hudson Beach (T2309034)

Analytical Results

Lab ID: T2309034003 Date Collected: 05/05/2023 09:26 Matrix: Water
Sample ID: NE Corner of Gulf Island Date Received: 05/05/2023 12:30

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	05/05/2023 14:29	05/05/2023 14:29	T

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Workorder: Hudson Beach (T2309034)

Analytical Results

Lab ID: T2309034004 Date Collected: 05/05/2023 09:43 Matrix: Water
Sample ID: Hudson Creek at Pine St Date Received: 05/05/2023 12:30

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	180	MPN/100 mL	10	10	10	05/05/2023 14:29	05/05/2023 14:29	T

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Workorder: Hudson Beach (T2309034)

Analytical Results

Lab ID: T2309034005
Sample ID: Shrimp Deck Drive

Date Collected: 05/05/2023 09:51
Date Received: 05/05/2023 12:30

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	41	MPN/100 mL	10	10	10	05/05/2023 14:29	05/05/2023 14:29	T

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Workorder: Hudson Beach (T2309034)

Analytical Results

Lab ID:	T2309034006	Date Collected:	05/05/2023 10:03			Matrix:	Water		
Sample ID:	Sponge Crawl Creek	Date Received:	05/05/2023 12:30						
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab	
Microbiology (ENTEROLERT/ QUANTI-TRAY)									
Enterococcus	10	MPN/100 ml	10	10	10	05/05/2023 14:29	05/05/2023 14:29	T	





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Workorder: Hudson Beach (T2309034)

Analytical Results

Lab ID: T2309034007
Sample ID: 4

Date Collected: 05/05/2023 10:10
Date Received: 05/05/2023 12:30

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	31	MPN/100 mL	10	10	10	05/05/2023 14:29	05/05/2023 14:29	T

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Workorder: Hudson Beach (T2309034)

Analytical Results

Lab ID:	T2309034008	Date Collected:	05/05/2023 10:24				Matrix:	Water	
Sample ID:	Robert Strickland	Date Received:	05/05/2023 12:30						
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab	
Microbiology (ENTEROLERT/ QUANTI-TRAY)									
Enterococcus	10 U	MPN/100 ml	10	10	10	05/05/2023 14:29	05/05/2023 14:29	T	

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Analytical Results

Lab ID:	T2309034009	Date Collected:	05/05/2023 10:42				Matrix:	Water	
Sample ID:	5	Date Received:	05/05/2023 12:30						
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab	
Microbiology (ENTEROLERT/ QUANTI-TRAY)									
Enterococcus	10 U	MPN/100 ml	10	10	10	05/05/2023 14:29	05/05/2023 14:29	T	

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Workorder: Hudson Beach (T2309034)

Analytical Results

Lab ID:	T2309034010	Date Collected:	05/05/2023 10:53				Matrix:	Water	
Sample ID:	6	Date Received:	05/05/2023 12:30						
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab	
Microbiology (ENTEROLERT/ QUANTI-TRAY)									
Enterococcus	10 U	MPN/100 ml	10	10	10	05/05/2023 14:29	05/05/2023 14:29	T	

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Workorder: Hudson Beach (T2309034)

Analytical Results

Lab ID: T2309034011
Sample ID: Robert Strickland

Date Collected: 05/05/2023 11:05
Date Received: 05/05/2023 12:30

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	05/05/2023 14:29	05/05/2023 14:29	T

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Workorder: Hudson Beach (T2309034)

QC Results

QC Batch: MICT/6025 **Analysis Method:** ENTEROLERT/ QUANTI-TRAY
Preparation Method: ENTEROLERT/ QUANTI-TRAY
Associated Lab IDs: T2309034001, T2309034002, T2309034003, T2309034004, T2309034005, T2309034006, T2309034007, T2309034008, T2309034009, T2309034010, T2309034011

Method Blank(4782838)

Parameter	Results	Units	PQL	MDL	Lab
Enterococcus	1.0 U	MPN/100 mL	1.0	1.0	T

Sample Duplicate (4782840); Original (T2309034005); Parent Lab Sample (T2309034001, T2309034002, T2309034003, T2309034004, T2309034005, T2309034006, T2309034007, T2309034008, T2309034009, T2309034010, T2309034011)

Parameter	Original	Duplicate	Units	RPD	RPD Limit	Lab
Enterococcus	41	175	MPN/100 m	124		T

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FINAL

Workorder: Hudson Beach (T2309034)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
MICt/6025 - ENTEROLERT/ QUANTI-TRAY			
T2309034001	9		
T2309034002	8		
T2309034003	NE Corner of Gulf Island		
T2309034004	Hudson Creek at Pine St		
T2309034005	Shrimp Deck Drive		
T2309034006	Sponge Crawl Creek		
T2309034007	4		
T2309034008	Robert Strickland		
T2309034009	5		
T2309034010	6		
T2309034011	Robert Strickland		

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FINAL

Workorder: Hudson Beach (T2309034)

Client Name: **Fluorocore Consulting**
Address: **8306 Laurel Fair Circle**
City: **Suite 120**
Phone: **610-734-4499**
FAX: **Michael Graywell**
Contact: **Michael Graywell**
Sampled By: **MC**
Special Instructions: **Standard**
Rush

Project Name: **Hudson Beach**
Project Number: **ADAPT**
PO Number: **EQUS**
FDEP Facility No.: **SAMPLING**
FDEP Facility Addr: **DATE**
Special Instructions: **TIME**
Other: **MATRIX**
NO. COUNT: **1**

Matrix Code: **WW=wastewater, SW=surface water, GW=ground water, DW=drinking water, MW=marine water, O=oil, A=air, SO=soil, SL=sludge**

Received on Ice: ☒ Yes ☐ No Temp taken from sample: ☐ Temp from blank ☒ Where required, pH checked

DCN: AD-D051web Form last revised 07/28/2022 Device used for measuring Temp by unique identifier (circle IR temp gun used) J: 9A G: LT-1 LT-2 T: 10A A: 3A M: 3A S: IV F: 1A

Relinquished by: **5/5/23 11:17** Date: **5/5/23 12:30** Received by: **Reinaldo** Date: **5/5/23 12:30**

Temp. when received (observed) **23.0** °C Temp. when received (corrected) **23.0** °C

FOR DRINKING WATER USE:
(When PWS information not otherwise supplied) PWS ID: **12309034**
Contact Person: **12309034**
Supplier of Water: **12309034**
Site Address: **12309034**

Matrix Code: **WW=wastewater, SW=surface water, GW=ground water, DW=drinking water, MW=marine water, O=oil, A=air, SO=soil, SL=sludge**

Preservation Code: **Ice, H=HCl, S=H2SO4, N=HNO3, T=Sodium Thiosulfate, AA=Ascorbic/HCl, AB=Ascorbic/NaOH**

Analysis Required: **Enterococci**

LABORATORY I.D. NUMBER: **12309034**

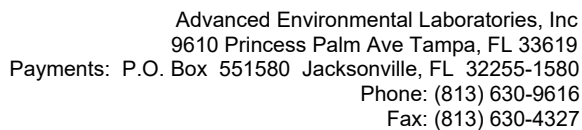
Wednesday, May 17, 2023 2:12:40 PM
Dates and times are displayed using (-04:00)
Page 17 of 18

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Workorder: Hudson Beach (T2309034)



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- ☐ **Fort Myers:** 13100 Westlakes Terrace, Ste. 10, FL 33919 • 239.674.4310 • Lab ID: ES4482
- ☐ **Jacksonville:** 6681 Southpoint Pkwy., FL 32216 • 904.563.9350 • Lab ID: ES2574
- ☐ **Tallahassee:** 2639 North Monroe St., Suite D, FL 32303 • 850.219.6274 • Lab ID: ES11095

- ☐ **Gainesville:** 4965 SW 41st Blvd., FL 32608 • 352.377.2349 • Lab ID: E92201
- ☐ **Milamr:** 10200 USA Today Way, FL 33025 • 954.889.2288 • Lab ID: E92353
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FINAL

Workorder: Hudson Beach (T2309762)

May 24, 2023

Michael Grzywacz
Flatwoods
8306 ILaurel Fair Circle Ste12
Tampa,

RE: Workorder: T2309762 Hudson Beach

Dear Michael Grzywacz:

Enclosed are the analytical results for sample(s) received by the laboratory on Wednesday May 17, 2023. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Sheila Wilcox, Assistant Lab Manager
SWilcox@aellab.com

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FINAL

Workorder: Hudson Beach (T2309762)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
T2309762001	7	WA	ENTEROLERT/ QUANTI-TRAY	05/17/2023 08:37	05/17/2023 12:45	1	NA
T2309762002	1	WA	ENTEROLERT/ QUANTI-TRAY	05/17/2023 08:25	05/17/2023 12:45	1	NA
T2309762003	Hudson Creek Pine Street	WA	ENTEROLERT/ QUANTI-TRAY	05/17/2023 09:43	05/17/2023 12:45	1	NA
T2309762004	NeCorner of Gulf Island	WA	ENTEROLERT/ QUANTI-TRAY	05/17/2023 08:50	05/17/2023 12:45	1	NA
T2309762005	RJSBPS-Near Skeleton Key	WA	ENTEROLERT/ QUANTI-TRAY	05/17/2023 08:55	05/17/2023 12:45	1	NA
T2309762006	Shrimp Dock Dr	WA	ENTEROLERT/ QUANTI-TRAY	05/17/2023 09:31	05/17/2023 12:45	1	NA
T2309762007	Sponge Crawl Creek at Yacht Cl	WA	ENTEROLERT/ QUANTI-TRAY	05/17/2023 09:11	05/17/2023 12:45	1	NA
T2309762008	10	WA	ENTEROLERT/ QUANTI-TRAY	05/17/2023 09:54	05/17/2023 12:45	1	NA
T2309762009	RSJBP Sponge Crawl Creek	WA	ENTEROLERT/ QUANTI-TRAY	05/17/2023 09:24	05/17/2023 12:45	1	NA

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Workorder: Hudson Beach (T2309762)

Analytical Results Qualifiers

Parameter Qualifiers

- U The compound was analyzed for but not detected.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Lab Qualifiers

- T DOH Certification #E84589 (FL NELAC) AEL-Tampa

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FINAL

Workorder: Hudson Beach (T2309762)

Analytical Results

Lab ID:	T2309762001	Date Collected:	05/17/2023 08:37				Matrix:	Water	
Sample ID:	7	Date Received:	05/17/2023 12:45						
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab	
Microbiology (ENTEROLERT/ QUANTI-TRAY)									
Enterococcus	520	MPN/100 ml	1.0	1.0	1	05/17/2023 14:19	05/17/2023 14:19	T	

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Workorder: Hudson Beach (T2309762)

Analytical Results

Lab ID:	T2309762002	Date Collected:	05/17/2023 08:25			Matrix:	Water		
Sample ID:	1	Date Received:	05/17/2023 12:45						
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab	
Microbiology (ENTEROLERT/ QUANTI-TRAY)									
Enterococcus	980	MPN/100 ml	1.0	1.0	1	05/17/2023 14:19	05/17/2023 14:19	T	

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Workorder: Hudson Beach (T2309762)

Analytical Results

Lab ID: T2309762003 Date Collected: 05/17/2023 09:43 Matrix: Water
Sample ID: Hudson Creek Pine Street Date Received: 05/17/2023 12:45

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	870	MPN/100 mL	1.0	1.0	1	05/17/2023 14:19	05/17/2023 14:19	T

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Workorder: Hudson Beach (T2309762)

Analytical Results

Lab ID: T2309762004
Sample ID: NeCorner of Gulf Island

Date Collected: 05/17/2023 08:50
Date Received: 05/17/2023 12:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	1600	MPN/100 mL	1.0	1.0	1	05/17/2023 14:19	05/17/2023 14:19	T

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Workorder: Hudson Beach (T2309762)

Analytical Results

Lab ID: T2309762005 Date Collected: 05/17/2023 08:55 Matrix: Water
Sample ID: RJSBPS-Near Skeleton Date Received: 05/17/2023 12:45
Key

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	1400	MPN/100 mL	1.0	1.0	1	05/17/2023 14:19	05/17/2023 14:19	T

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Workorder: Hudson Beach (T2309762)

Analytical Results

Lab ID:	T2309762006	Date Collected:	05/17/2023 09:31			Matrix:	Water		
Sample ID:	Shrimp Dock Dr	Date Received:	05/17/2023 12:45						
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab	
Microbiology (ENTEROLERT/ QUANTI-TRAY)									
Enterococcus	1400	MPN/100 ml	1.0	1.0	1	05/17/2023 14:19	05/17/2023 14:19	T	

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Workorder: Hudson Beach (T2309762)

Analytical Results

Lab ID: T2309762007 Date Collected: 05/17/2023 09:11 Matrix: Water
Sample ID: Sponge Crawl Greek at Yacht Cl Date Received: 05/17/2023 12:45

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	730	MPN/100 mL	1.0	1.0	1	05/17/2023 14:19	05/17/2023 14:19	T

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Workorder: Hudson Beach (T2309762)

Analytical Results

Lab ID: T2309762008
Sample ID: 10

Date Collected: 05/17/2023 09:54
Date Received: 05/17/2023 12:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	1600	MPN/100 mL	1.0	1.0	1	05/17/2023 14:19	05/17/2023 14:19	T

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Workorder: Hudson Beach (T2309762)

Analytical Results

Lab ID: T2309762009 Date Collected: 05/17/2023 09:24 Matrix: Water
Sample ID: RSJBP Sponge Crawl Date Received: 05/17/2023 12:45
Creek

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	1600	MPN/100 mL	1.0	1.0	1	05/17/2023 14:19	05/17/2023 14:19	T

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Workorder: Hudson Beach (T2309762)

QC Results

QC Batch: MICT/6106 **Analysis Method:** ENTEROLERT/ QUANTI-TRAY
Preparation Method: ENTEROLERT/ QUANTI-TRAY
Associated Lab IDs: T2309762001, T2309762002, T2309762003, T2309762004, T2309762005, T2309762006, T2309762007, T2309762008, T2309762009

Method Blank(4798478)

Parameter	Results	Units	PQL	MDL	Lab
Enterococcus	1.0 U	MPN/100 mL	1.0	1.0	T





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FINAL

Workorder: Hudson Beach (T2309762)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
MICt/6106 - ENTEROLERT/ QUANTI-TRAY			
T2309762001	7		
T2309762002	1		
T2309762003	Hudson Creek Pine Street		
T2309762004	NeCorner of Gulf Island		
T2309762005	RJSBPS-Near Skeleton Key		
T2309762006	Shrimp Dock Dr		
T2309762007	Sponge Crawl Creek at Yacht Cl		
T2309762008	10		
T2309762009	RSJBP Sponge Crawl Creek		

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Workorder: Hudson Beach (T2309762)

Client Name: Fluorocarb Consulting Project Name: Hudson Beach

Address: 8300 Laurel Fair Circle PO Number:

Site: 120 Tampa, FL 33610 FDEP Facility No:

Phone: (813) 341-4999 FDEP Facility Addr:

FAX: Special Instructions:

Contact: Nike Gryzucacz

Sample By: MEG Rush Standard

AEL Profile #: ADAPT EQUIS Other

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING		MATRIX	NO. COUNT	Preservation Temp. Filtered?	ANALYSIS REQUIRED	BOTTLE SIZE & TYPE	LABORATORY I.D. NUMBER
			DATE	TIME						
7			6/10/23	8:37	SW	1				
1				8:25						
	Hudson Creek at Pine Street			9:43						
	NE Corner of Gulf Island			8:50						
	RTS BPS - near Seaton Key Marina			8:35						
	Shrimp Dock Dr.			9:31						
	Sponge Canal Creek at Yacht Club			9:11						
	ID			9:54						
	(SBR/Sponge Canal Creek)			9:24						

Matrix Code: WW=wastewater, SW=surface water, GW=ground water, DW=drinking water, MW=marine water.

O=oil, A=air, SO=soil, SL=sludge

Received on ice: ☐ Yes ☒ No Temp taken from sample: ☐ Temp from blank ☒ Where required, pH checked

DCN: AD-D051web Form last revised 07/26/2022 Device used for measuring Temp by unique identifier (Circle IR temp gun used) J: 9A G: LT-1 LT-2 T: 10A A: 3A M: 3A S: IV F: 1A

Relinquished by: MEG Date: 6/17/23 12:44 Received by: Casey Ventresca Date: 5/17/23 12:45

Temp. when received (observed): 20 °C Temp. when received (corrected): 20 °C

Temp. when received (corrected) J: 9A G: LT-1 LT-2 T: 10A A: 3A M: 3A S: IV F: 1A

FOR DRINKING WATER USE: (When PWS information not otherwise supplied) PWS ID:

Contact Person:

Supplier of Water:

Site Address:

Barcode: * T 2 3 0 9 7 6 2 *

Preservation Code: I=ice, H=HCl, S=H2SO4, N=HNO3, T=Sodium Thiosulfate, AA=AscorbicHCl, AB=AscorbicNaOH

Page 1 of 1

Wednesday, May 24, 2023 2:33:00 PM
Dates and times are displayed using (-04:00)
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FINAL

Workorder: Hudson Beach (T2310869)

June 12, 2023

Michael Grzywacz
Flatwoods
8306 ILaurel Fair Circle Ste12
Tampa,

RE: Workorder: T2310869 Hudson Beach

Dear Michael Grzywacz:

Enclosed are the analytical results for sample(s) received by the laboratory on Monday June 5, 2023. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Sheila Wilcox, Assistant Lab Manager
SWilcox@aellab.com

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FINAL

Workorder: Hudson Beach (T2310869)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
T2310869001	10	WA	ENTEROLERT/ QUANTI-TRAY	06/05/2023 08:39	06/05/2023 12:26	1	NA
T2310869002	2	WA	ENTEROLERT/ QUANTI-TRAY	06/05/2023 08:39	06/05/2023 12:26	1	NA
T2310869003	Ambient2	WA	ENTEROLERT/ QUANTI-TRAY	06/05/2023 08:39	06/05/2023 12:26	1	NA
T2310869004	Ambient 1	WA	ENTEROLERT/ QUANTI-TRAY	06/05/2023 08:39	06/05/2023 12:26	1	NA
T2310869005	1	WA	ENTEROLERT/ QUANTI-TRAY	06/05/2023 08:39	06/05/2023 12:26	1	NA
T2310869006	Ambient 3	WA	ENTEROLERT/ QUANTI-TRAY	06/05/2023 08:39	06/05/2023 12:26	1	NA
T2310869007	ambient 4	WA	ENTEROLERT/ QUANTI-TRAY	06/05/2023 08:39	06/05/2023 12:26	1	NA
T2310869008	4	WA	ENTEROLERT/ QUANTI-TRAY	06/05/2023 08:39	06/05/2023 12:26	1	NA
T2310869009	5	WA	ENTEROLERT/ QUANTI-TRAY	06/05/2023 08:39	06/05/2023 12:26	1	NA
T2310869010	9	WA	ENTEROLERT/ QUANTI-TRAY	06/05/2023 08:39	06/05/2023 12:26	1	NA
T2310869011	8	WA	ENTEROLERT/ QUANTI-TRAY	06/05/2023 08:39	06/05/2023 12:26	1	NA
T2310869012	ambient 6	WA	ENTEROLERT/ QUANTI-TRAY	06/05/2023 08:39	06/05/2023 12:26	1	NA
T2310869013	6	WA	ENTEROLERT/ QUANTI-TRAY	06/05/2023 08:39	06/05/2023 12:26	1	NA
T2310869014	7	WA	ENTEROLERT/ QUANTI-TRAY	06/05/2023 08:39	06/05/2023 12:26	1	NA
T2310869015	Ambient 5	WA	ENTEROLERT/ QUANTI-TRAY	06/05/2023 08:12	06/05/2023 12:25	1	NA





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FINAL

Workorder: Hudson Beach (T2310869)

Analytical Results Qualifiers

Parameter Qualifiers

- U The compound was analyzed for but not detected.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Lab Qualifiers

- T DOH Certification #E84589 (FL NELAC) AEL-Tampa

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Workorder: Hudson Beach (T2310869)

Analytical Results

Lab ID: T2310869001
Sample ID: 10

Date Collected: 06/05/2023 08:39
Date Received: 06/05/2023 12:26

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	20	MPN/100 mL	10	10	10	06/05/2023 14:06	06/05/2023 14:06	T

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Workorder: Hudson Beach (T2310869)

Analytical Results

Lab ID: T2310869002
Sample ID: 2

Date Collected: 06/05/2023 08:39
Date Received: 06/05/2023 12:26

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	06/05/2023 14:06	06/05/2023 14:06	T

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Workorder: Hudson Beach (T2310869)

Analytical Results

Lab ID: T2310869003
Sample ID: Ambient2

Date Collected: 06/05/2023 08:39
Date Received: 06/05/2023 12:26

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10	MPN/100 mL	10	10	10	06/05/2023 14:06	06/05/2023 14:06	T

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FINAL

Workorder: Hudson Beach (T2310869)

Analytical Results

Lab ID: T2310869004
Sample ID: Ambient 1

Date Collected: 06/05/2023 08:39
Date Received: 06/05/2023 12:26

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	20	MPN/100 mL	10	10	10	06/05/2023 14:06	06/05/2023 14:06	T

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Workorder: Hudson Beach (T2310869)

Analytical Results

Lab ID: T2310869005
Sample ID: 1

Date Collected: 06/05/2023 08:39
Date Received: 06/05/2023 12:26

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10	MPN/100 mL	10	10	10	06/05/2023 14:06	06/05/2023 14:06	T

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Workorder: Hudson Beach (T2310869)

Analytical Results

Lab ID: T2310869006
Sample ID: Ambient 3

Date Collected: 06/05/2023 08:39
Date Received: 06/05/2023 12:26

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	06/05/2023 14:06	06/05/2023 14:06	T

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Workorder: Hudson Beach (T2310869)

Analytical Results

Lab ID: T2310869007
Sample ID: ambient 4

Date Collected: 06/05/2023 08:39
Date Received: 06/05/2023 12:26

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	06/05/2023 14:06	06/05/2023 14:06	T

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Workorder: Hudson Beach (T2310869)

Analytical Results

Lab ID: T2310869008
Sample ID: 4

Date Collected: 06/05/2023 08:39
Date Received: 06/05/2023 12:26

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	20	MPN/100 mL	10	10	10	06/05/2023 14:06	06/05/2023 14:06	T

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FINAL

Workorder: Hudson Beach (T2310869)

Analytical Results

Lab ID: T2310869009
Sample ID: 5

Date Collected: 06/05/2023 08:39
Date Received: 06/05/2023 12:26

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	52	MPN/100 mL	10	10	10	06/05/2023 14:06	06/05/2023 14:06	T

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Workorder: Hudson Beach (T2310869)

Analytical Results

Lab ID:	T2310869010	Date Collected:	06/05/2023 08:39				Matrix:	Water	
Sample ID:	9	Date Received:	06/05/2023 12:26						
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab	
Microbiology (ENTEROLERT/ QUANTI-TRAY)									
Enterococcus	10 U	MPN/100 ml	10	10	10	06/05/2023 14:06	06/05/2023 14:06	T	





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Workorder: Hudson Beach (T2310869)

Analytical Results

Lab ID: T2310869011
Sample ID: 8

Date Collected: 06/05/2023 08:39
Date Received: 06/05/2023 12:26

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	06/05/2023 14:06	06/05/2023 14:06	T

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Workorder: Hudson Beach (T2310869)

Analytical Results

Lab ID:	T2310869012	Date Collected:	06/05/2023 08:39				Matrix:	Water	
Sample ID:	ambient 6	Date Received:	06/05/2023 12:26						
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab	
Microbiology (ENTEROLERT/ QUANTI-TRAY)									
Enterococcus	10 U	MPN/100 ml	10	10	10	06/05/2023 14:06	06/05/2023 14:06	T	

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Workorder: Hudson Beach (T2310869)

Analytical Results

Lab ID: T2310869013
Sample ID: 6

Date Collected: 06/05/2023 08:39
Date Received: 06/05/2023 12:26

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	20	MPN/100 mL	10	10	10	06/05/2023 14:06	06/05/2023 14:06	T

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FINAL

Workorder: Hudson Beach (T2310869)

Analytical Results

Lab ID: T2310869014
Sample ID: 7

Date Collected: 06/05/2023 08:39
Date Received: 06/05/2023 12:26

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	06/05/2023 14:06	06/05/2023 14:06	T

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FINAL

Workorder: Hudson Beach (T2310869)

Analytical Results

Lab ID: T2310869015
Sample ID: Ambient 5

Date Collected: 06/05/2023 08:12
Date Received: 06/05/2023 12:25

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	06/05/2023 14:06	06/05/2023 14:06	T

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FINAL

Workorder: Hudson Beach (T2310869)

QC Results

QC Batch: MICT/6211 **Analysis Method:** ENTEROLERT/ QUANTI-TRAY
Preparation Method: ENTEROLERT/ QUANTI-TRAY
Associated Lab IDs: T2310869001, T2310869002, T2310869003, T2310869004, T2310869005, T2310869006, T2310869007, T2310869008, T2310869009, T2310869010, T2310869011, T2310869012, T2310869013, T2310869014, T2310869015

Method Blank(4818932)

Parameter	Results	Units	PQL	MDL	Lab
Enterococcus	1.0 U	MPN/100 mL	1.0	1.0	T





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Workorder: Hudson Beach (T2310869)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
MICt/6211 - ENTEROLERT/ QUANTI-TRAY			
T2310869001	10		
T2310869002	2		
T2310869003	Ambient2		
T2310869004	Ambient 1		
T2310869005	1		
T2310869006	Ambient 3		
T2310869007	ambient 4		
T2310869008	4		
T2310869009	5		
T2310869010	9		
T2310869011	8		
T2310869012	ambient 6		
T2310869013	6		
T2310869014	7		
T2310869015	Ambient 5		

Monday, June 12, 2023 5:15:58 PM
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Page 20 of 22

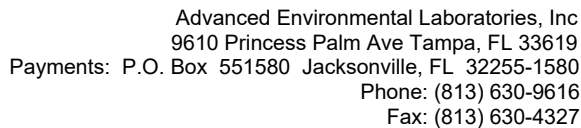
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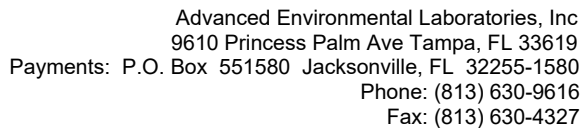
Workorder: Hudson Beach (T2310869)

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FINAL

Workorder: Hudson Pollution (T2312604)

July 18, 2023

Michael Grzywacz
Flatwoods
8306 ILaurel Fair Circle Ste12
Tampa,

RE: Workorder: T2312604 Hudson Pollution

Dear Michael Grzywacz:

Enclosed are the analytical results for sample(s) received by the laboratory on Thursday June 29, 2023. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Sheila Wilcox, Assistant Lab Manager
SWilcox@aellab.com

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FINAL

Workorder: Hudson Pollution (T2312604)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
T2312604001	11	WA	ENTEROLERT/ QUANTI-TRAY	06/29/2023 11:55	06/29/2023 13:45	1	NA
T2312604002	9	WA	ENTEROLERT/ QUANTI-TRAY	06/29/2023 11:13	06/29/2023 13:45	1	NA
T2312604003	8	WA	ENTEROLERT/ QUANTI-TRAY	06/29/2023 11:06	06/29/2023 13:45	1	NA
T2312604004	Ambient 6	WA	ENTEROLERT/ QUANTI-TRAY	06/29/2023 10:57	06/29/2023 13:45	1	NA
T2312604005	6	WA	ENTEROLERT/ QUANTI-TRAY	06/29/2023 10:51	06/29/2023 13:45	1	NA
T2312604006	Ambient 5	WA	ENTEROLERT/ QUANTI-TRAY	06/29/2023 10:27	06/29/2023 13:45	1	NA
T2312604007	5	WA	ENTEROLERT/ QUANTI-TRAY	06/29/2023 10:41	06/29/2023 13:45	1	NA
T2312604008	10	WA	ENTEROLERT/ QUANTI-TRAY	06/29/2023 09:38	06/29/2023 13:45	1	NA
T2312604009	4	WA	ENTEROLERT/ QUANTI-TRAY	06/29/2023 10:08	06/29/2023 13:45	1	NA
T2312604010	Ambient 3	WA	ENTEROLERT/ QUANTI-TRAY	06/29/2023 10:19	06/29/2023 13:45	1	NA
T2312604011	Ambient 4	WA	ENTEROLERT/ QUANTI-TRAY	06/29/2023 10:13	06/29/2023 13:45	1	NA
T2312604012	Ambient 1	WA	ENTEROLERT/ QUANTI-TRAY	06/29/2023 09:47	06/29/2023 13:45	1	NA
T2312604013	1	WA	ENTEROLERT/ QUANTI-TRAY	06/29/2023 09:53	06/29/2023 13:45	1	NA
T2312604014	Ambient 2	WA	ENTEROLERT/ QUANTI-TRAY	06/29/2023 09:32	06/29/2023 13:45	1	NA
T2312604015	2	WA	ENTEROLERT/ QUANTI-TRAY	06/29/2023 09:43	06/29/2023 13:45	1	NA





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Workorder: Hudson Pollution (T2312604)

Analytical Results Qualifiers

Parameter Qualifiers

- U The compound was analyzed for but not detected.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Lab Qualifiers

- T DOH Certification #E84589 (FL NELAC) AEL-Tampa

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Workorder: Hudson Pollution (T2312604)

Analytical Results

Lab ID: T2312604001
Sample ID: 11

Date Collected: 06/29/2023 11:55
Date Received: 06/29/2023 13:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10	MPN/100 mL	5.0	5.0	5	06/29/2023 17:32	06/29/2023 17:32	T

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Workorder: Hudson Pollution (T2312604)

Analytical Results

Lab ID: T2312604002
Sample ID: 9

Date Collected: 06/29/2023 11:13
Date Received: 06/29/2023 13:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	5.0 U	MPN/100 mL	5.0	5.0	5	06/29/2023 17:32	06/29/2023 17:32	T

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Workorder: Hudson Pollution (T2312604)

Analytical Results

Lab ID:	T2312604003	Date Collected:	06/29/2023 11:06				Matrix:	Water	
Sample ID:	8	Date Received:	06/29/2023 13:45						
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab	
Microbiology (ENTEROLERT/ QUANTI-TRAY)									
Enterococcus	5.0	MPN/100 ml	5.0	5.0	5	06/29/2023 17:32	06/29/2023 17:32	T	

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FINAL

Workorder: Hudson Pollution (T2312604)

Analytical Results

Lab ID:	T2312604004	Date Collected:	06/29/2023 10:57				Matrix:	Water	
Sample ID:	Ambient 6	Date Received:	06/29/2023 13:45						
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab	
Microbiology (ENTEROLERT/ QUANTI-TRAY)									
Enterococcus	5.0 U	MPN/100 ml	5.0	5.0	5	06/29/2023 17:32	06/29/2023 17:32	T	

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Workorder: Hudson Pollution (T2312604)

Analytical Results

Lab ID: T2312604005
Sample ID: 6

Date Collected: 06/29/2023 10:51
Date Received: 06/29/2023 13:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	5.0 U	MPN/100 mL	5.0	5.0	5	06/29/2023 17:32	06/29/2023 17:32	T

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Workorder: Hudson Pollution (T2312604)

Analytical Results

Lab ID: T2312604006
Sample ID: Ambient 5

Date Collected: 06/29/2023 10:27
Date Received: 06/29/2023 13:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	5.0	MPN/100 mL	5.0	5.0	5	06/29/2023 17:32	06/29/2023 17:32	T

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Workorder: Hudson Pollution (T2312604)

Analytical Results

Lab ID: T2312604007
Sample ID: 5

Date Collected: 06/29/2023 10:41
Date Received: 06/29/2023 13:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	5.0 U	MPN/100 mL	5.0	5.0	5	06/29/2023 17:32	06/29/2023 17:32	T

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Workorder: Hudson Pollution (T2312604)

Analytical Results

Lab ID: T2312604008
Sample ID: 10

Date Collected: 06/29/2023 09:38
Date Received: 06/29/2023 13:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	5.0	MPN/100 mL	5.0	5.0	5	06/29/2023 17:32	06/29/2023 17:32	T

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Workorder: Hudson Pollution (T2312604)

Analytical Results

Lab ID: T2312604009
Sample ID: 4

Date Collected: 06/29/2023 10:08
Date Received: 06/29/2023 13:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	20	MPN/100 mL	5.0	5.0	5	06/29/2023 17:32	06/29/2023 17:32	T

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Workorder: Hudson Pollution (T2312604)

Analytical Results

Lab ID: T2312604010
Sample ID: Ambient 3

Date Collected: 06/29/2023 10:19
Date Received: 06/29/2023 13:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	5.0 U	MPN/100 mL	5.0	5.0	5	06/29/2023 17:32	06/29/2023 17:32	T

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Workorder: Hudson Pollution (T2312604)

Analytical Results

Lab ID: T2312604011
Sample ID: Ambient 4

Date Collected: 06/29/2023 10:13
Date Received: 06/29/2023 13:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	5.0	MPN/100 mL	5.0	5.0	5	06/29/2023 17:32	06/29/2023 17:32	T

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Workorder: Hudson Pollution (T2312604)

Analytical Results

Lab ID: T2312604012
Sample ID: Ambient 1

Date Collected: 06/29/2023 09:47
Date Received: 06/29/2023 13:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	5.0 U	MPN/100 mL	5.0	5.0	5	06/29/2023 17:32	06/29/2023 17:32	T

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Workorder: Hudson Pollution (T2312604)

Analytical Results

Lab ID: T2312604013
Sample ID: 1

Date Collected: 06/29/2023 09:53
Date Received: 06/29/2023 13:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	5.0 U	MPN/100 mL	5.0	5.0	5	06/29/2023 17:32	06/29/2023 17:32	T

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Workorder: Hudson Pollution (T2312604)

Analytical Results

Lab ID: T2312604014
Sample ID: Ambient 2

Date Collected: 06/29/2023 09:32
Date Received: 06/29/2023 13:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10	MPN/100 mL	5.0	5.0	5	06/29/2023 17:32	06/29/2023 17:32	T

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FINAL

Workorder: Hudson Pollution (T2312604)

Analytical Results

Lab ID: T2312604015
Sample ID: 2

Date Collected: 06/29/2023 09:43
Date Received: 06/29/2023 13:45

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	5.0 U	MPN/100 mL	5.0	5.0	5	06/29/2023 17:32	06/29/2023 17:32	T

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Workorder: Hudson Pollution (T2312604)

QC Results

QC Batch: MICT/6373
Preparation Method: ENTEROLERT/ QUANTI-TRAY
Analysis Method: ENTEROLERT/ QUANTI-TRAY
Associated Lab IDs: T2312604001, T2312604002, T2312604003, T2312604004, T2312604005, T2312604006, T2312604007, T2312604008, T2312604009, T2312604010, T2312604011, T2312604012, T2312604013, T2312604014, T2312604015

Method Blank(4854098)

Parameter	Results	Units	PQL	MDL	Lab
Enterococcus	5.0 U	MPN/100 mL	5.0	5.0	T





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Workorder: Hudson Pollution (T2312604)

QC Cross Reference

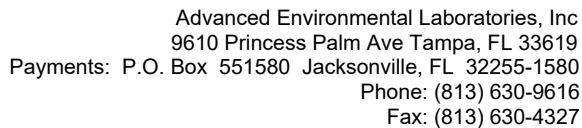
Lab ID	Sample ID	Prep Batch	Prep Method
MICt/6373 - ENTEROLERT/ QUANTI-TRAY			
T2312604001	11		
T2312604002	9		
T2312604003	8		
T2312604004	Ambient 6		
T2312604005	6		
T2312604006	Ambient 5		
T2312604007	5		
T2312604008	10		
T2312604009	4		
T2312604010	Ambient 3		
T2312604011	Ambient 4		
T2312604012	Ambient 1		
T2312604013	1		
T2312604014	Ambient 2		
T2312604015	2		

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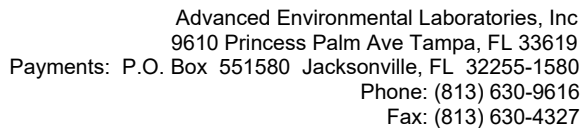


Workorder: Hudson Pollution (T2312604)

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Workorder: Hudson Pollution (T2312604)



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- ☐ **Fort Myers:** 13100 Westliss Terrace, Ste. 10, FL 33913 • 239.674.8180 • Lab ID: E5492
- ☐ **Jacksonville:** 6881 Southpoint Pkwy., FL 32216 • 904.363.9393 • Lab ID: E5674
- ☐ **Tallahassee:** 2639 North Monroe St., Suite D, FL 32303 • 850.219.6274 • Lab ID: E511055

☐ **Gainesville:** 4965 SW 41st Blvd., FL 32608 • 352.377.2349 • Lab ID: E82007
☐ **Miramar:** 10200 USA Today Way, FL 33025 • 954.889.2288 • Lab ID: E82535
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Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: Hudson Pollution (T2313464)

August 08, 2023

Michael Grzywacz
Flatwoods
8306 Laurel Fair Circle Ste12
Tampa,

RE: Workorder: T2313464 Hudson Pollution

Dear Michael Grzywacz:

Enclosed are the analytical results for sample(s) received by the laboratory on Wednesday July 12, 2023. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Sheila Wilcox, Assistant Lab Manager
SWilcox@aellab.com

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FINAL

Workorder: Hudson Pollution (T2313464)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
T2313464001	Ambient 2	WA	ENTEROLERT/ QUANTI-TRAY	07/12/2023 08:36	07/12/2023 13:19	1	NA
T2313464002	10	WA	ENTEROLERT/ QUANTI-TRAY	07/12/2023 08:42	07/12/2023 13:19	1	NA
T2313464003	2	WA	ENTEROLERT/ QUANTI-TRAY	07/12/2023 08:51	07/12/2023 13:19	1	NA
T2313464004	Ambient 1	WA	ENTEROLERT/ QUANTI-TRAY	07/12/2023 08:58	07/12/2023 13:19	1	NA
T2313464005	1	WA	ENTEROLERT/ QUANTI-TRAY	07/12/2023 09:06	07/12/2023 13:19	1	NA
T2313464006	4	WA	ENTEROLERT/ QUANTI-TRAY	07/12/2023 09:24	07/12/2023 13:19	1	NA
T2313464007	Ambient 4	WA	ENTEROLERT/ QUANTI-TRAY	07/12/2023 09:33	07/12/2023 13:19	1	NA
T2313464008	Ambient 5	WA	ENTEROLERT/ QUANTI-TRAY	07/12/2023 09:40	07/12/2023 13:19	1	NA
T2313464009	7	WA	ENTEROLERT/ QUANTI-TRAY	07/12/2023 09:49	07/12/2023 13:19	1	NA
T2313464010	9	WA	ENTEROLERT/ QUANTI-TRAY	07/12/2023 09:58	07/12/2023 13:19	1	NA
T2313464011	8	WA	ENTEROLERT/ QUANTI-TRAY	07/12/2023 10:05	07/12/2023 13:19	1	NA
T2313464012	5	WA	ENTEROLERT/ QUANTI-TRAY	07/12/2023 10:27	07/12/2023 13:19	1	NA
T2313464013	6	WA	ENTEROLERT/ QUANTI-TRAY	07/12/2023 10:37	07/12/2023 13:19	1	NA
T2313464014	Ambient 6	WA	ENTEROLERT/ QUANTI-TRAY	07/12/2023 10:45	07/12/2023 13:19	1	NA
T2313464015	Ambient 5	WA	ENTEROLERT/ QUANTI-TRAY	07/12/2023 10:50	07/12/2023 13:19	1	NA
T2313464016	11	WA	ENTEROLERT/ QUANTI-TRAY	07/12/2023 11:19	07/12/2023 13:19	1	NA





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FINAL

Workorder: Hudson Pollution (T2313464)

Analytical Results Qualifiers

Parameter Qualifiers

- U The compound was analyzed for but not detected.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Lab Qualifiers

- T DOH Certification #E84589 (FL NELAC) AEL-Tampa

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FINAL

Workorder: Hudson Pollution (T2313464)

Analytical Results

Lab ID: T2313464001
Sample ID: Ambient 2

Date Collected: 07/12/2023 08:36
Date Received: 07/12/2023 13:19

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	2400	MPN/100 mL	1.0	1.0	1	07/12/2023 16:16	07/12/2023 16:16	T

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Workorder: Hudson Pollution (T2313464)

Analytical Results

Lab ID: T2313464002
Sample ID: 10

Date Collected: 07/12/2023 08:42
Date Received: 07/12/2023 13:19

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	2400	MPN/100 mL	1.0	1.0	1	07/12/2023 16:16	07/12/2023 16:16	T

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FINAL

Workorder: Hudson Pollution (T2313464)

Analytical Results

Lab ID: T2313464003
Sample ID: 2

Date Collected: 07/12/2023 08:51
Date Received: 07/12/2023 13:19

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	2400	MPN/100 mL	1.0	1.0	1	07/12/2023 16:16	07/12/2023 16:16	T

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Workorder: Hudson Pollution (T2313464)

Analytical Results

Lab ID: T2313464004
Sample ID: Ambient 1

Date Collected: 07/12/2023 08:58
Date Received: 07/12/2023 13:19

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	1600	MPN/100 mL	1.0	1.0	1	07/12/2023 16:16	07/12/2023 16:16	T

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Workorder: Hudson Pollution (T2313464)

Analytical Results

Lab ID: T2313464005
Sample ID: 1

Date Collected: 07/12/2023 09:06
Date Received: 07/12/2023 13:19

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	2400	MPN/100 mL	1.0	1.0	1	07/12/2023 16:16	07/12/2023 16:16	T

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Workorder: Hudson Pollution (T2313464)

Analytical Results

Lab ID: T2313464006
Sample ID: 4

Date Collected: 07/12/2023 09:24
Date Received: 07/12/2023 13:19

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	2400	MPN/100 mL	1.0	1.0	1	07/12/2023 16:16	07/12/2023 16:16	T

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Workorder: Hudson Pollution (T2313464)

Analytical Results

Lab ID: T2313464007
Sample ID: Ambient 4

Date Collected: 07/12/2023 09:33
Date Received: 07/12/2023 13:19

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	1200	MPN/100 mL	1.0	1.0	1	07/12/2023 16:16	07/12/2023 16:16	T

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Workorder: Hudson Pollution (T2313464)

Analytical Results

Lab ID:	T2313464008	Date Collected:	07/12/2023 09:40				Matrix:	Water	
Sample ID:	Ambient 5	Date Received:	07/12/2023 13:19						
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab	
Microbiology (ENTEROLERT/ QUANTI-TRAY)									
Enterococcus	1400	MPN/100 ml	1.0	1.0	1	07/12/2023 16:16	07/12/2023 16:16	T	

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Workorder: Hudson Pollution (T2313464)

Analytical Results

Lab ID: T2313464009
Sample ID: 7

Date Collected: 07/12/2023 09:49
Date Received: 07/12/2023 13:19

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	280	MPN/100 mL	1.0	1.0	1	07/12/2023 16:16	07/12/2023 16:16	T

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Workorder: Hudson Pollution (T2313464)

Analytical Results

Lab ID: T2313464010
Sample ID: 9

Date Collected: 07/12/2023 09:58
Date Received: 07/12/2023 13:19

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	520	MPN/100 mL	1.0	1.0	1	07/12/2023 16:16	07/12/2023 16:16	T

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Workorder: Hudson Pollution (T2313464)

Analytical Results

Lab ID: T2313464011
Sample ID: 8

Date Collected: 07/12/2023 10:05
Date Received: 07/12/2023 13:19

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	520	MPN/100 mL	1.0	1.0	1	07/12/2023 16:00	07/12/2023 16:00	T

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Workorder: Hudson Pollution (T2313464)

Analytical Results

Lab ID: T2313464012
Sample ID: 5

Date Collected: 07/12/2023 10:27
Date Received: 07/12/2023 13:19

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	2400	MPN/100 mL	1.0	1.0	1	07/12/2023 16:00	07/12/2023 16:00	T

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Workorder: Hudson Pollution (T2313464)

Analytical Results

Lab ID:	T2313464013	Date Collected:	07/12/2023 10:37			Matrix:	Water		
Sample ID:	6	Date Received:	07/12/2023 13:19						
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab	
Microbiology (ENTEROLERT/ QUANTI-TRAY)									
Enterococcus	650	MPN/100 ml	1.0	1.0	1	07/12/2023 16:00	07/12/2023 16:00	T	

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Workorder: Hudson Pollution (T2313464)

Analytical Results

Lab ID: T2313464014
Sample ID: Ambient 6

Date Collected: 07/12/2023 10:45
Date Received: 07/12/2023 13:19

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	370	MPN/100 mL	1.0	1.0	1	07/12/2023 16:00	07/12/2023 16:00	T

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Workorder: Hudson Pollution (T2313464)

Analytical Results

Lab ID:	T2313464015	Date Collected:	07/12/2023 10:50			Matrix:	Water		
Sample ID:	Ambient 5	Date Received:	07/12/2023 13:19						
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab	
Microbiology (ENTEROLERT/ QUANTI-TRAY)									
Enterococcus	2400	MPN/100 ml	1.0	1.0	1	07/12/2023 16:00	07/12/2023 16:00	T	

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Workorder: Hudson Pollution (T2313464)

Analytical Results

Lab ID:	T2313464016	Date Collected:	07/12/2023 11:19			Matrix:	Water		
Sample ID:	11	Date Received:	07/12/2023 13:19						
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab	
Microbiology (ENTEROLERT/ QUANTI-TRAY)									
Enterococcus	1600	MPN/100 ml	1.0	1.0	1	07/12/2023 16:00	07/12/2023 16:00	T	

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FINAL

Workorder: Hudson Pollution (T2313464)

QC Results

QC Batch: MICT/6442 **Analysis Method:** ENTEROLERT/ QUANTI-TRAY
Preparation Method: ENTEROLERT/ QUANTI-TRAY
Associated Lab IDs: T2313464001, T2313464002, T2313464003, T2313464004, T2313464005, T2313464006, T2313464007, T2313464008, T2313464009, T2313464010

Method Blank(4870312)

Parameter	Results	Units	PQL	MDL	Lab
Enterococcus	1.0 U	MPN/100 mL	1.0	1.0	T

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Workorder: Hudson Pollution (T2313464)

QC Results

QC Batch: MIC/6443 Analysis Method: ENTEROLERT/ QUANTI-TRAY
Preparation Method: ENTEROLERT/ QUANTI-TRAY
Associated Lab IDs: T2313464011, T2313464012, T2313464013, T2313464014, T2313464015, T2313464016

Method Blank(4870325)

Parameter	Results	Units	PQL	MDL	Lab
Enterococcus	1.0 U	MPN/100 mL	1.0	1.0	T





FINAL

Workorder: Hudson Pollution (T2313464)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
MICt/6442 - ENTEROLERT/ QUANTI-TRAY			
T2313464001	Ambient 2		
T2313464002	10		
T2313464003	2		
T2313464004	Ambient 1		
T2313464005	1		
T2313464006	4		
T2313464007	Ambient 4		
T2313464008	Ambient 5		
T2313464009	7		
T2313464010	9		
MICt/6443 - ENTEROLERT/ QUANTI-TRAY			
T2313464011	8		
T2313464012	5		
T2313464013	6		
T2313464014	Ambient 6		
T2313464015	Ambient 5		
T2313464016	11		

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FINAL

Workorder: Hudson Pollution (T2313464)

Advanced Environmental Laboratories, Inc.

Client Name: Flatwoods Consulting
Address: 8306 Laurel Fair Circle
Suite 120 Tampa, FL 33610
Phone: 813-739-4444
Fax: 813-739-4444
Contact: Michael Graywall
Sampled By: [Signature]
Special Instructions: Rush

Project Name: Hudson Pollution
Project Number: [Blank]
FDEP Facility No: [Blank]
FDEP Facility Addr: [Blank]

Analysis Required: Enterococci

Preservation Code: H=HCl, S=H2SO4, N=HNO3, T= Sodium Thiosulfate.

Matrix Code: WW=wastewater, SW=surface water, GW=ground water, DW=drinking water, MW=marine water, O=oil, A=air, SO=soil, SL=sludge

Received on Ice: [X] Yes [] No [] Temp taken from sample [] Temp from blank [X] Where required pH checked []

Relinquished by: [Signature] Date: 7/12/23 Time: 13:16 Received by: [Signature] Date: 7/13/23 Time: 13:16

FOR DRINKING WATER USE:
(When PWS information not otherwise supplied) PWS ID: [Blank]
Contact Person: [Blank]
Supplier of Water: [Blank]
Site Address: [Blank]

Temp when received (observed): [Blank] °C Temp when received (corrected): [Blank] °C

DCN: AD-0061web Form last revised 07/26/2022

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	EQUIS DATE	SAMPLING TIME	MATRIX	NO. COUNT	ANALYSIS REQUIRED		BOTTLE SIZE & TYPE	LABORATORY I.D. NUMBER
							Preservation	Filter		
Ambient 2	Grab	7/12/23	8:36	SW	1					001
ID			8:42							002
2			8:51							003
Ambient 1			8:58							004
1			9:06							005
Ambient 4			9:24							006
Ambient 5			9:33							007
7			9:40							008
9			9:49							009
			9:58							010

Barcode: *T2313464*





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Workorder: Hudson Pollution (T2313464)

Advanced Environmental Laboratories, Inc.

Altamonte Springs: 380 Northline Blvd., Ste. 104B, FL 32701 • 407.897.1594 • Lab ID: E53076
Fort Myers: 13100 Vandalia Terrace, Ste. 10, FL 33913 • 239.674.6190 • Lab ID: E54492
Jacksonville: 6881 Southpoint Pkwy., FL 32216 • 904.355.9350 • Lab ID: E52574
Tallahassee: 2639 North Monroe St., Suite D, FL 32303 • 850.219.6274 • Lab ID: E511055

Gainesville: 4865 SW 41st Blvd., FL 32608 • 352.377.2349 • Lab ID: E52001
Miramar: 10200 USA Today Way, FL 32025 • 954.889.2288 • Lab ID: E52535
Tampa: 9610 Princess Palm Ave., FL 33619 • 813.630.9616 • Lab ID: E54589

Client Name: Futuro Consulting Project Name: Hudson Pollution
Address: 8306 Laurel Fair Circle Project Number:
Site: 125 Tampa FL 33610 PO Number:
Phone: 610-734-4444 FDEP Facility No:
FAX: FDEP Facility Addr:
Contact: Michael Goryunov Special Instructions:
Sampled By: ML (Standard) Rush

Matrix Code: WW=wastewater, SW=surface water, GW=ground water, DW=drinking water, MW=marine water,
O=oil, A=air, SO=sol, SL=siludge

Received on Ice: ☐ Yes ☐ No Temp taken from sample: ☐ Temp from blank ☐ Where required, pH checked
DCN: AD-D051web Form last revised 07/28/2022 Device used for measuring Temp by unique identifier (circle IR temp gun used) J: 9A G: LT-1 LT-2 T: 10A A: 3A M: 3A S: 1V F: 1A

Relinquished by: ML Date: 7/12/23 Time: 13:16 Received By: ML Date: 7/12/23 Time: 13:19

FOR DRINKING WATER USE:
(When PWS information not otherwise supplied) PWS ID: _____
Supplier of Water: _____
Contact Person: _____
Site Address: _____

Matrix Code: WW=wastewater, SW=surface water, GW=ground water, DW=drinking water, MW=marine water,
O=oil, A=air, SO=sol, SL=siludge

Preservation Code: 1=Ice, H=HCl, S=H2SO4, N=HNO3, T=Sodium Thiosulfate,
AA=Ascorbic/HCl, AB=Ascorbic/NaOH

Temp. when received (observed) _____ °C Temp. when received (corrected) _____ °C

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	EQUIS		Other	NO. COUNT	ANALYSIS REQUIRED	BOTTLE SIZE & TYPE	LABORATORY I.D. NUMBER
			DATE	SAMPLING TIME					
8	Grab	7/12/23	10:05	300	1		Enterococci		011
5			10:27						012
6			10:37						013
Ambient 6			10:45						014
Ambient 5			10:50						015
11			11:19						016

Tuesday, August 8, 2023 4:26:01 PM
Dates and times are displayed using (-04:00)
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ANALYTICAL TEST REPORT

THESE RESULTS MEET NELAC STANDARDS

Submission Number : 23071317

Michael Grzywacz
8306 Laurel Fair Circle
Tampa, FL 33610

Project Name :
Date Received : 07/25/2023
Time Received : 16:37

Michael Grzywacz

Submission Number:	23071317	Sample Date:	07/25/2023
Sample Number:	001	Sample Time:	09:38
Sample Description:	2	Sample Method:	Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
ENTEROCOCCI	41	#/100 ML	10	10	ENTEROLERT	07/25/2023 17:18	SM/MS

Submission Number:	23071317	Sample Date:	07/25/2023
Sample Number:	002	Sample Time:	09:49
Sample Description:	Ambient 2	Sample Method:	Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
ENTEROCOCCI	464	#/100 ML	10	10	ENTEROLERT	07/25/2023 17:18	SM/MS

Submission Number:	23071317	Sample Date:	07/25/2023
Sample Number:	003	Sample Time:	09:59
Sample Description:	10	Sample Method:	Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
ENTEROCOCCI	86	#/100 ML	10	10	ENTEROLERT	07/25/2023 17:18	SM/MS

Submission Number:	23071317	Sample Date:	07/25/2023
Sample Number:	004	Sample Time:	10:10
Sample Description:	Ambient 1	Sample Method:	Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
ENTEROCOCCI	85	#/100 ML	10	10	ENTEROLERT	07/25/2023 17:18	SM/MS

Submission Number: 23071317

Sample Date: 07/25/2023

Sample Number: 005

Sample Time: 10:16

Sample Description: 1

Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
ENTEROCOCCI	31	#/100 ML	10	10	ENTEROLERT	07/25/2023 17:18	SM/MS

Submission Number: 23071317

Sample Date: 07/25/2023

Sample Number: 006

Sample Time: 10:26

Sample Description: Ambient 4

Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
ENTEROCOCCI	185	#/100 ML	10	10	ENTEROLERT	07/25/2023 17:18	SM/MS

Submission Number: 23071317

Sample Date: 07/25/2023

Sample Number: 007

Sample Time: 10:35

Sample Description: 4

Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
ENTEROCOCCI	132	#/100 ML	10	10	ENTEROLERT	07/25/2023 17:18	SM/MS

Submission Number: 23071317

Sample Date: 07/25/2023

Sample Number: 008

Sample Time: 10:53

Sample Description: Ambient 3

Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
ENTEROCOCCI	132	#/100 ML	10	10	ENTEROLERT	07/25/2023 17:18	SM/MS

Submission Number: 23071317

Sample Date: 07/25/2023

Sample Number: 009

Sample Time: 11:00

Sample Description: 7

Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
ENTEROCOCCI	41	#/100 ML	10	10	ENTEROLERT	07/25/2023 17:18	SM/MS

Submission Number: 23071317

Sample Date: 07/25/2023

Sample Number: 010

Sample Time: 11:10

Sample Description: 9

Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
ENTEROCOCCI	84	#/100 ML	10	10	ENTEROLERT	07/25/2023 17:18	SM/MS

Submission Number: 23071317
 Sample Number: 011
 Sample Description: 8

Sample Date: 07/25/2023
 Sample Time: 11:18
 Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
ENTEROCOCCI	20	#/100 ML	10	10	ENTEROLERT	07/25/2023 17:18	SM/MS

Submission Number: 23071317
 Sample Number: 012
 Sample Description: 5

Sample Date: 07/25/2023
 Sample Time: 11:43
 Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
ENTEROCOCCI	62	#/100 ML	10	10	ENTEROLERT	07/25/2023 17:18	SM/MS

Submission Number: 23071317
 Sample Number: 013
 Sample Description: 6

Sample Date: 07/25/2023
 Sample Time: 11:52
 Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
ENTEROCOCCI	96	#/100 ML	10	10	ENTEROLERT	07/25/2023 17:18	SM/MS

Submission Number: 23071317
 Sample Number: 014
 Sample Description: Ambient 6

Sample Date: 07/25/2023
 Sample Time: 12:00
 Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
ENTEROCOCCI	52	#/100 ML	10	10	ENTEROLERT	07/25/2023 17:18	SM/MS

Submission Number: 23071317
 Sample Number: 015
 Sample Description: Ambient 5

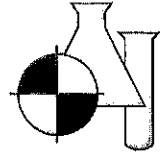
Sample Date: 07/25/2023
 Sample Time: 12:06
 Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
ENTEROCOCCI	189	#/100 ML	10	10	ENTEROLERT	07/25/2023 17:18	SM/MS

Submission Number: 23071317
 Sample Number: 016
 Sample Description: 11

Sample Date: 07/25/2023
 Sample Time: 12:32
 Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
ENTEROCOCCI	402	#/100 ML	10	10	ENTEROLERT	07/25/2023 17:18	SM/MS



Submission Number: 23071317

Sample Date: 07/25/2023

Sample Number: 017

Sample Time: 12:50

Sample Description: 12

Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
ENTEROCOCCI	8664	#/100 ML	10	10	ENTEROLERT	07/25/2023 17:18	SM/MS

Submission Number: 23071317

Sample Date: 07/25/2023

Sample Number: 018

Sample Time: 13:08

Sample Description: 13

Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
ENTEROCOCCI	2755	#/100 ML	10	10	ENTEROLERT	07/25/2023 17:18	SM/MS

08/02/2023

Dale D. Dixon / Laboratory Director

Date

Kathleen Gauthier - Technical Director/QC Officer

Haley Richardson - QA Officer

DATA QUALIFIERS THAT MAY APPLY:

A = Value reported is an average of two or more determinations.
 B = Results based upon colony counts outside the ideal range.
 H = Value based on field kit determination. Results may not be accurate.
 I = Reported value is between the laboratory MDL and the PQL.
 J1 = Estimated value. Surrogate recovery limits exceeded.
 J2 = Estimated value. No quality control criteria exists for component.
 J3 = Estimated value. Quality control criteria for precision or accuracy not met.
 J4 = Estimated value. Sample matrix interference suspected.
 J5 = Estimated value. Data questionable due to improper lab or field protocols.
 K = Off-scale low. Value is known to be < the value reported.
 L = Off-scale high. Value is known to be > the value reported.
 N = Presumptive evidence of presence of material.
 O = Sampled, but analysis lost or not performed.
 Q = Sample held beyond accepted hold time.

T = Value reported is < MDL. Reported for informational purposes only and shall not be used in statistical analysis.

U = Analyte analyzed but not detected at the value indicated.

V = Analyte detected in sample and method blank. Results for this analyte in associated samples may be biased high. Standard, Duplicate and Spike values are within control limits. Reported data are usable.

Y = Analysis performed on an improperly preserved sample. Data may be inaccurate.

Z = Too many colonies were present (TNTC). The numeric value represents the filtration volume.

I = Data deviate from historically established concentration ranges.

? = Data rejected and should not be used. Some or all of QC data were outside criteria, and the presence or absence of the analyte cannot be determined from the data.

* = Not reported due to interference.

Oil & Grease - If client does not send sufficient sample quantity for spike evaluation surface water samples are supplied by the laboratory.

NOTES:

MBAS calculated as LAS; molecular weight = 340.

PQL = 4xMDL.

ND = Not detected at or above the adjusted reporting limit.

G1 = Accuracy standard does not meet method control limits, but does meet lab control limits that are in agreement with USEPA generated data. USEPA letter available upon request.

G2 = Accuracy standard exceeds acceptable control limits. Duplicate and spike values are within control limits. Reported data are usable.

COMMENTS:

For questions or comments regarding these results, please contact us at (941) 723-9986.

Results relate only to the samples.

Benchmark EnviroAnalytical, Inc.

1711 Twelfth Street East

Palmetto, FL 34221

(941) 723-9986

(941) 723-6061 fax

Sample Temperature checked upon receipt at BEAS with Temperature Gun ID #7

Sample Temperature checked upon receipt at BEA with Temperature Gun ID #RAYL000570277

Client Information: Michael Grzywacz

Address: 8306 Laurel Fair Circle Suite 120

Tampa, FL 33610

Phone # 610-739-4999

Email mgrzywacz@flatwoodconsulting.com

Project Name:

Laboratory Submission #

23071317

Sample Name	Sample Type / Sample Matrix ¹	Collection		Container			Preservative ⁴ Lab Preserved ☐	Parameters for Analysis	Laboratory Sample #
		Date	Time	Qty	Capacity	Type ³			
2	G / SW	09/25/23	938	11	100mL	P	NsThio	Enterococcus (Enterolert)	1
Ambient 2	G / SW	09/25/23	949	1	100mL	P	NsThio	Enterococcus (Enterolert)	2
10	G / SW	09/25/23	959	1	100mL	P	NsThio	Enterococcus (Enterolert)	3
Ambient 1	G / SW	09/25/23	1010	1	100mL	P	NsThio	Enterococcus (Enterolert)	4
1	G / SW	09/25/23	1016	1	100mL	P	NsThio	Enterococcus (Enterolert)	5

Notes:

¹ "Sample Type" is used to indicate whether the sample was a grab (G) or whether it was a composite (C).² "Sample Matrix" is used to indicate whether the sample is being collected in drinking water (DW), groundwater (GW), surface water (SW), fresh surface water (FSW), soil, sediment (SD/NDT), or sludge (SLDG).³ "Container Type" is used to indicate whether the sample is in plastic (P) or glass (G).⁴ "Preservative" is used to indicate whether the sample is being collected in a preservative (P) or not (N).⁵ "Lab Preserved" is used to indicate whether the sample is being collected in a preservative (P) or not (N).⁶ "Lab Preserved" is used to indicate whether the sample is being collected in a preservative (P) or not (N).⁷ "Lab Preserved" is used to indicate whether the sample is being collected in a preservative (P) or not (N).⁸ "Lab Preserved" is used to indicate whether the sample is being collected in a preservative (P) or not (N).⁹ "Lab Preserved" is used to indicate whether the sample is being collected in a preservative (P) or not (N).¹⁰ "Lab Preserved" is used to indicate whether the sample is being collected in a preservative (P) or not (N).¹¹ "Lab Preserved" is used to indicate whether the sample is being collected in a preservative (P) or not (N).¹² "Lab Preserved" is used to indicate whether the sample is being collected in a preservative (P) or not (N).¹³ "Lab Preserved" is used to indicate whether the sample is being collected in a preservative (P) or not (N).¹⁴ "Lab Preserved" is used to indicate whether the sample is being collected in a preservative (P) or not (N).¹⁵ "Lab Preserved" is used to indicate whether the sample is being collected in a preservative (P) or not (N).¹⁶ "Lab Preserved" is used to indicate whether the sample is being collected in a preservative (P) or not (N).¹⁷ "Lab Preserved" is used to indicate whether the sample is being collected in a preservative (P) or not (N).¹⁸ "Lab Preserved" is used to indicate whether the sample is being collected in a preservative (P) or not (N).¹⁹ "Lab Preserved" is used to indicate whether the sample is being collected in a preservative (P) or not (N).²⁰ "Lab Preserved" is used to indicate whether the sample is being collected in a preservative (P) or not (N).²¹ "Lab Preserved" is used to indicate whether the sample is being collected in a preservative (P) or not (N).²² "Lab Preserved" is used to indicate whether the sample is being collected in a preservative (P) or not (N).²³ "Lab Preserved" is used to indicate whether the sample is being collected in a preservative (P) or not (N).²⁴ "Lab Preserved" is used to indicate whether the sample is being collected in a preservative (P) or not (N).²⁵ "Lab Preserved" is used to indicate whether the sample is being collected in a preservative (P) or not (N).²⁶ "Lab Preserved" is used to indicate whether the sample is being collected in a preservative (P) or not (N).²⁷ "Lab Preserved" is used to indicate whether the sample is being collected in a preservative (P) or not (N).²⁸ "Lab Preserved" is used to indicate whether the sample is being collected in a preservative (P) or not (N).²⁹ "Lab Preserved" is used to indicate whether the sample is being collected in a preservative (P) or not (N).³⁰ "Lab Preserved" is used to indicate whether the sample is being collected in a preservative (P) or not (N).³¹ "Lab Preserved" is used to indicate whether the sample is being collected in a preservative (P) or not (N).³² "Lab Preserved" is used to indicate whether the sample is being collected in a preservative (P) or not (N).³³ "Lab Preserved" is used to indicate whether the sample is being collected in a preservative (P) or not (N).³⁴ "Lab Preserved" is used to indicate whether the sample is being collected in a preservative (P) or not (N).³⁵ "Lab Preserved" is used to indicate whether the sample is being collected in a preservative (P) or not (N).³⁶ "Lab Preserved" is used to indicate whether the sample is being collected in a preservative (P) or not (N).³⁷ "Lab Preserved" is used to indicate whether the sample is being collected in a preservative (P) or not (N).³⁸ "Lab Preserved" is used to indicate whether the sample is being collected in a preservative (P) or not (N).³⁹ "Lab Preserved" is used to indicate whether the sample is being collected in a preservative (P) or not (N).

Laboratory Sample Acceptability:
pH < 2: ✓ BEA Temperature: 6.8
BEAS Temperature:

Benchmark EnviroAnalytical, Inc.

1711 Twelfth Street East

Palmetto, FL 34221

(941) 723-9986

(941) 723-6061 fax

Sample Temperature checked upon receipt at BEAS with Temperature Gun ID #7

Sample Temperature checked upon receipt at BEA with Temperature Gun ID #RAV1.000570277

Client Information: Michael Grzywacz

Address: 8306 Laurel Fair Circle Suite 120

Tampa, FL 33610

Phone # 610-739-4999

Email mgrzywacz@flatwoodconsulting.com

Project Name:

Laboratory Submission # 230713 17

Sample Name	Sample Type / Sample Matrix ¹	Collection		Container			Preservative ⁴ Lab Preserved ☐	Parameters for Analysis	Laboratory Sample #
		Date	Time	Qty	Capacity	Type ³			
Ambient 4	G / SW	09/25/23	1026	11	100mL	P	NaThio	Enterococcus (Enterolert)	6
4	G / SW	09/25/23	1035	1	100mL	P	NaThio	Enterococcus (Enterolert)	7
Ambient 3	G / SW	09/25/23	1053	1	100mL	P	NaThio	Enterococcus (Enterolert)	8
7	G / SW	09/25/23	1100	1	100mL	P	NaThio	Enterococcus (Enterolert)	9
9	G / SW	09/25/23	1110	1	100mL	P	NaThio	Enterococcus (Enterolert)	10

Notes

- "Sample Type" is used to indicate whether the sample was a grab (G) or whether it was a composite (C).
- "Sample Matrix" is used to indicate whether the sample is being collected in drinking water (DW), groundwater (GW), surface water (SW), fresh surface water (FSW), saline surface water (SSW), soil, sediment (SD/ANT), or sludge (SLDG).
- "Container Type" is used to indicate whether the sample is being collected in glass (G) or plastic (P).
- Sample must be refrigerated or stored in ice after collection. The temperature during storage should be less than or equal to 6°C (42°F).
- Under "Preservative," list any preservatives that were added to the sample container. List Number of preservative used is specific to the bottles included in the kit. NaThio, H2SO4, and HNO3 do not have expiration dates per the manufacturer.

Instructions

- Each bottle has a label identifying sample ID, preservative, preservative combined in the bottle, sample type, client ID, and parameters for analysis.
- The following information should be added to each bottle label after collection with permanent black ink: date and time of collection, sample's name or initials, and any field number or ID.
- All bottles not containing preservative may be stored with appropriate sample prior to collection.
- The client is responsible for documentation of the sampling event. Please note special sampling events on the sample custody form.
- Sample kit has been created by BEA using new, certified bottles.

Laboratory Sample Acceptability:

pH < 2: L-BEA Temperature: 0.8

BEAS Temperature:

1	Collector & Affiliation: (Print & Sign) <i>Cameron Clavin</i>	Date: 7/25/23	Time: 1:37pm	Received By & Affiliation: (Print & Sign) <i>[Signature]</i>	Date: 7-25-23	Time: 1:37
2	Relinquished By & Affiliation: (Print & Sign)	Date:	Time:	Received By & Affiliation: (Print & Sign)	Date:	Time:
3	Relinquished By & Affiliation: (Print & Sign)	Date:	Time:	Received By & Affiliation: (Print & Sign)	Date:	Time:

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Benchmark EnviroAnalytical, Inc.

1711 Twelfth Street East
Palmetto, FL 34221

(941) 723-9986

(941) 723-6061 fax

Sample Temperature checked upon receipt at BEAS with Temperature Gun ID #7
Sample Temperature checked upon receipt at BEA with Temperature Gun ID #RAYL000570277

Client Information: Michael Grzywacz

Address: 8306 Laurel Fair Circle Suite 120

Tampa, FL 33610

Phone # 610-739-4999

Email mgrzywacz@flatwoodconsulting.com

Project Name:

Laboratory Submission #

23671317

Sample Name	Sample Type / Sample Matrix ²	Collection		Container			Preservative ⁴ Lab Preserved ☐	Parameters for Analysis	Laboratory Sample #
		Date	Time	Qty	Capacity	Type ³			
8	G / SW	09/25/23	1118	11	100mL	P	NsThio	Enterococcus (Enterolert)	11
5	G / SW	09/25/23	1143	1	100mL	P	NsThio	Enterococcus (Enterolert)	12
6	G / SW	09/25/23	1152	1	100mL	P	NsThio	Enterococcus (Enterolert)	13
Ambient 6	G / SW	09/25/23	1200	1	100mL	P	NsThio	Enterococcus (Enterolert)	14
Ambient 5	G / SW	09/25/23	1206	1	100mL	P	NsThio	Enterococcus (Enterolert)	15

Notes:

- "Sample Type" is used to indicate whether the sample was a grab (G) or whether it was a composite (C).
- "Sample Matrix" is used to indicate whether the sample was surface water (SW), groundwater (GW), surface water (SW), fresh surface water (FSW), salt water (SSW), soil, sediment (SDMN), or sludge (SLDG).
- "Container Type" is used to indicate whether the container is a grab (G) or a flask (F).
- Sample must be refrigerated or stored in wet ice after collection. The number of preservative used is specific to the bottles included in the kit. NsThio, H₂SO₄, and HNO₃ do not have expiration dates per the manufacturer.
- Under "Preservative," list any preservatives that were added to the sample container. Lot Number of preservative used is specific to the bottles included in the kit. NsThio, H₂SO₄, and HNO₃ do not have expiration dates per the manufacturer.

Instructions:

- Each bottle has a label identifying sample ID, preservative contained in the bottle, sample type, client ID, and parameters for analysis.
- The following information should be added to each bottle label after collection with permanent black ink: date and time of collection, sample's name or initials, and any field number or ID.
- All bottles not containing preservative may be rinsed with appropriate sample prior to collection.
- The client is responsible for documentation of the sampling event. Please note special sampling events on the sample custody form.
- Sample kit has been created by BEA using new, certified bottles.

Laboratory Sample Acceptability:

pH < 2: ☒ BEA Temperature: 0.8

BEAS Temperature:

1	Collector & Affiliation: (Print & Sign) Cameren Clark	Date: 7/25/23	Time: 4:37pm	Received By & Affiliation: (Print & Sign) M. Grzywacz	Date: 7-25-23	Time: 1637
2	Relinquished By & Affiliation: (Print & Sign)	Date:	Time:	Received By & Affiliation: (Print & Sign)	Date:	Time:
3	Relinquished By & Affiliation: (Print & Sign)	Date:	Time:	Received By & Affiliation: (Print & Sign)	Date:	Time:

8 of 8

Benchmark EnviroAnalytical, Inc.

1711 Twelfth Street East
Palmetto, FL 34221

(941) 723-9986

(941) 723-6061 fax

Sample Temperature checked upon receipt at BEAS with Temperature Gun ID #7

Sample Temperature checked upon receipt at BEA with Temperature Gun ID #RAYL000570277

Project Name:

Client Information: Michael Grzywacz

Address: 8306 Laurel Fair Circle Suite 120

Tampa, FL 33610

Phone # 610-739-4999

Email mgrzywacz@flatwoodconsulting.com

Laboratory Submission #

83071317

Sample Name	Sample Type / Sample Matrix ¹	Collection		Container		Preservative ⁴ Lab Preserved ☐	Parameters for Analysis	Laboratory Sample #
		Date	Time	Qty	Capacity	Type ³		
11	G / SW	09/25/23	1232	11	100mL	P	Enterococcus (Enterolert)	16
12	G / SW	09/25/23	1250	1	100mL	P	Enterococcus (Enterolert)	17
13	G / SW	09/25/23	1308	1	100mL	P	Enterococcus (Enterolert)	18

Notes:

1. "Sample Type" is used to indicate whether the sample was a grab (G) or whether it was a composite (C).
 2. "Sample Matrix" is used to indicate whether the sample is being discharged to drinking water (DW), groundwater (GW), surface water (SW), fresh surface water (FSW), soil, sediment (SDMNT), or sludge (SLDG).
 3. "Container Type" is used to indicate whether the container is plastic (P) or glass (G).
 4. Sample must be refrigerated or stored in wet ice after collection. The temperature during storage should be less than or equal to 6°C (42.8°F).
 5. Under "Preservative," list any preservatives that were added to the sample container. List Number of preservative used is specific to the bottles included in the kit. NaThio, H₂SO₄, and HNO₃ do not have expiration dates per the manufacturer.
- Each bottle has a label identifying sample ID, preservative contained in the bottle, sample type, client ID, and parameters for analysis.
- All bottles not containing preservative may be added to each bottle label after collection with permanent black ink: date and time of collection, sampler's name or initials, and any field number or ID.
- The client is responsible for the preservation of the sample prior to collection. Please note special sampling events on the sample custody form.
- Sample kit has been created by BEA using new, certified bottles.

Laboratory Sample Acceptability:

pH < 2: ☒ BEA Temperature: 0.8

BEAS Temperature:

1	Collector & Affiliation: (Print & Sign) Camren Clark	Date: 7/25/23	Time: 4:37pm	Received By & Affiliation: (Print & Sign) [Signature]	Date: 7-25-23	Time: 1:37
2	Relinquished By & Affiliation: (Print & Sign)	Date:	Time:	Received By & Affiliation: (Print & Sign)	Date:	Time:
3	Relinquished By & Affiliation: (Print & Sign)	Date:	Time:	Received By & Affiliation: (Print & Sign)	Date:	Time:

pg 8 of 8



Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: Hudson Pollution (T2315092)

August 08, 2023

Michael Grzywacz
Flatwoods
8306 ILaurel Fair Circle Ste12
Tampa,

RE: Workorder: T2315092 Hudson Pollution

Dear Michael Grzywacz:

Enclosed are the analytical results for sample(s) received by the laboratory on Wednesday August 2, 2023. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Sheila Wilcox, Assistant Lab Manager
SWilcox@aellab.com

Certificate of Analysis

This report shall not be reproduced, except in full,
without the written consent of Advanced Environmental Laboratories, Inc.



NELAP Accredited E84589



FINAL

Workorder: Hudson Pollution (T2315092)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
T2315092001	Ambient 2	WA	ENTEROLERT/ QUANTI-TRAY	08/02/2023 09:08	08/02/2023 13:04	1	NA
T2315092002	10	WA	ENTEROLERT/ QUANTI-TRAY	08/02/2023 09:14	08/02/2023 13:04	1	NA
T2315092003	2	WA	ENTEROLERT/ QUANTI-TRAY	08/02/2023 09:23	08/02/2023 13:04	1	NA
T2315092004	Ambient 1	WA	ENTEROLERT/ QUANTI-TRAY	08/02/2023 09:30	08/02/2023 13:04	1	NA
T2315092005	4	WA	ENTEROLERT/ QUANTI-TRAY	08/02/2023 09:50	08/02/2023 13:04	1	NA
T2315092006	Ambient 4	WA	ENTEROLERT/ QUANTI-TRAY	08/02/2023 09:55	08/02/2023 13:04	1	NA
T2315092007	Ambient 3	WA	ENTEROLERT/ QUANTI-TRAY	08/02/2023 10:01	08/02/2023 13:04	1	NA
T2315092008	7	WA	ENTEROLERT/ QUANTI-TRAY	08/02/2023 10:06	08/02/2023 13:04	1	NA
T2315092009	9	WA	ENTEROLERT/ QUANTI-TRAY	08/02/2023 10:15	08/02/2023 13:04	1	NA
T2315092010	8	WA	ENTEROLERT/ QUANTI-TRAY	08/02/2023 10:19	08/02/2023 13:04	1	NA
T2315092011	1	WA	ENTEROLERT/ QUANTI-TRAY	08/02/2023 09:35	08/02/2023 13:04	1	NA
T2315092012	5	WA	ENTEROLERT/ QUANTI-TRAY	08/02/2023 10:38	08/02/2023 13:04	1	NA
T2315092013	6	WA	ENTEROLERT/ QUANTI-TRAY	08/02/2023 10:47	08/02/2023 13:04	1	NA
T2315092014	Ambient 6	WA	ENTEROLERT/ QUANTI-TRAY	08/02/2023 10:55	08/02/2023 13:04	1	NA
T2315092015	Ambient 5	WA	ENTEROLERT/ QUANTI-TRAY	08/02/2023 10:57	08/02/2023 13:04	1	NA
T2315092016	11	WA	ENTEROLERT/ QUANTI-TRAY	08/02/2023 11:17	08/02/2023 13:04	1	NA
T2315092017	12	WA	ENTEROLERT/ QUANTI-TRAY	08/02/2023 11:33	08/02/2023 13:04	1	NA





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Fax: (813) 630-4327

FINAL

Workorder: Hudson Pollution (T2315092)

Analytical Results Qualifiers

Parameter Qualifiers

- U The compound was analyzed for but not detected.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Lab Qualifiers

- T DOH Certification #E84589 (FL NELAC) AEL-Tampa

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FINAL

Workorder: Hudson Pollution (T2315092)

Analytical Results

Lab ID:	T2315092001	Date Collected:	08/02/2023 09:08			Matrix:	Water		
Sample ID:	Ambient 2	Date Received:	08/02/2023 13:04						
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab	
Microbiology (ENTEROLERT/ QUANTI-TRAY)									
Enterococcus	580	MPN/100 ml	1.0	1.0	1	08/02/2023 16:00	08/02/2023 16:00	T	





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Workorder: Hudson Pollution (T2315092)

Analytical Results

Lab ID: T2315092002
Sample ID: 10

Date Collected: 08/02/2023 09:14
Date Received: 08/02/2023 13:04

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	90	MPN/100 mL	1.0	1.0	1	08/02/2023 16:00	08/02/2023 16:00	T

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FINAL

Workorder: Hudson Pollution (T2315092)

Analytical Results

Lab ID: T2315092003			Date Collected: 08/02/2023 09:23			Matrix: Water		
Sample ID: 2			Date Received: 08/02/2023 13:04					
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	220	MPN/100 ml	1.0	1.0	1	08/02/2023 16:00	08/02/2023 16:00	T

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FINAL

Workorder: Hudson Pollution (T2315092)

Analytical Results

Lab ID:	T2315092004	Date Collected:	08/02/2023 09:30			Matrix:	Water		
Sample ID:	Ambient 1	Date Received:	08/02/2023 13:04						
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab	
Microbiology (ENTEROLERT/ QUANTI-TRAY)									
Enterococcus	320	MPN/100 ml	1.0	1.0	1	08/02/2023 16:00	08/02/2023 16:00	T	





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FINAL

Workorder: Hudson Pollution (T2315092)

Analytical Results

Lab ID: T2315092005
Sample ID: 4

Date Collected: 08/02/2023 09:50
Date Received: 08/02/2023 13:04

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	580	MPN/100 mL	1.0	1.0	1	08/02/2023 16:00	08/02/2023 16:00	T

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FINAL

Workorder: Hudson Pollution (T2315092)

Analytical Results

Lab ID:	T2315092006	Date Collected:	08/02/2023 09:55	Matrix:	Water			
Sample ID:	Ambient 4	Date Received:	08/02/2023 13:04					
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	330	MPN/100 ml	1.0	1.0	1	08/02/2023 16:00	08/02/2023 16:00	T

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FINAL

Workorder: Hudson Pollution (T2315092)

Analytical Results

Lab ID: T2315092007
Sample ID: Ambient 3

Date Collected: 08/02/2023 10:01
Date Received: 08/02/2023 13:04

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	180	MPN/100 mL	1.0	1.0	1	08/02/2023 16:00	08/02/2023 16:00	T

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FINAL

Workorder: Hudson Pollution (T2315092)

Analytical Results

Lab ID: T2315092008
Sample ID: 7

Date Collected: 08/02/2023 10:06
Date Received: 08/02/2023 13:04

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	84	MPN/100 mL	1.0	1.0	1	08/02/2023 16:00	08/02/2023 16:00	T

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FINAL

Workorder: Hudson Pollution (T2315092)

Analytical Results

Lab ID:	T2315092009	Date Collected:	08/02/2023 10:15			Matrix:	Water		
Sample ID:	9	Date Received:	08/02/2023 13:04						
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab	
Microbiology (ENTEROLERT/ QUANTI-TRAY)									
Enterococcus	52	MPN/100 ml	1.0	1.0	1	08/02/2023 16:00	08/02/2023 16:00	T	





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Workorder: Hudson Pollution (T2315092)

Analytical Results

Lab ID: T2315092010
Sample ID: 8

Date Collected: 08/02/2023 10:19
Date Received: 08/02/2023 13:04

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	69	MPN/100 mL	1.0	1.0	1	08/02/2023 16:00	08/02/2023 16:00	T

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FINAL

Workorder: Hudson Pollution (T2315092)

Analytical Results

Lab ID: T2315092011
Sample ID: 1

Date Collected: 08/02/2023 09:35
Date Received: 08/02/2023 13:04

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	290	MPN/100 mL	1.0	1.0	1	08/02/2023 16:00	08/02/2023 16:00	T

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Workorder: Hudson Pollution (T2315092)

Analytical Results

Lab ID: T2315092012
Sample ID: 5

Date Collected: 08/02/2023 10:38
Date Received: 08/02/2023 13:04

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	580	MPN/100 mL	1.0	1.0	1	08/02/2023 16:00	08/02/2023 16:00	T

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Workorder: Hudson Pollution (T2315092)

Analytical Results

Lab ID: T2315092013
Sample ID: 6

Date Collected: 08/02/2023 10:47
Date Received: 08/02/2023 13:04

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	140	MPN/100 mL	1.0	1.0	1	08/02/2023 16:00	08/02/2023 16:00	T

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FINAL

Workorder: Hudson Pollution (T2315092)

Analytical Results

Lab ID:	T2315092014	Date Collected:	08/02/2023 10:55			Matrix:	Water		
Sample ID:	Ambient 6	Date Received:	08/02/2023 13:04						
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab	
Microbiology (ENTEROLERT/ QUANTI-TRAY)									
Enterococcus	150	MPN/100 ml	1.0	1.0	1	08/02/2023 16:00	08/02/2023 16:00	T	





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FINAL

Workorder: Hudson Pollution (T2315092)

Analytical Results

Lab ID: T2315092015
Sample ID: Ambient 5

Date Collected: 08/02/2023 10:57
Date Received: 08/02/2023 13:04

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	120	MPN/100 mL	1.0	1.0	1	08/02/2023 16:00	08/02/2023 16:00	T

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FINAL

Workorder: Hudson Pollution (T2315092)

Analytical Results

Lab ID: T2315092016
Sample ID: 11

Date Collected: 08/02/2023 11:17
Date Received: 08/02/2023 13:04

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	550	MPN/100 mL	1.0	1.0	1	08/02/2023 16:00	08/02/2023 16:00	T

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FINAL

Workorder: Hudson Pollution (T2315092)

Analytical Results

Lab ID:	T2315092017	Date Collected:	08/02/2023 11:33			Matrix:	Water		
Sample ID:	12	Date Received:	08/02/2023 13:04						
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab	
Microbiology (ENTEROLERT/ QUANTI-TRAY)									
Enterococcus	650	MPN/100 ml	1.0	1.0	1	08/02/2023 16:00	08/02/2023 16:00	T	





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FINAL

Workorder: Hudson Pollution (T2315092)

QC Results

QC Batch: MICT/6571
Preparation Method: ENTEROLERT/ QUANTI-TRAY
Analysis Method: ENTEROLERT/ QUANTI-TRAY
Associated Lab IDs: T2315092001, T2315092002, T2315092003, T2315092004, T2315092005, T2315092006, T2315092007, T2315092008, T2315092009, T2315092010, T2315092011, T2315092012, T2315092013, T2315092014, T2315092015, T2315092016, T2315092017

Method Blank(4898399)

Parameter	Results	Units	PQL	MDL	Lab
Enterococcus	1.0 U	MPN/100 mL	1.0	1.0	T





FINAL

Workorder: Hudson Pollution (T2315092)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
MICt/6571 - ENTEROLERT/ QUANTI-TRAY			
T2315092001	Ambient 2		
T2315092002	10		
T2315092003	2		
T2315092004	Ambient 1		
T2315092005	4		
T2315092006	Ambient 4		
T2315092007	Ambient 3		
T2315092008	7		
T2315092009	9		
T2315092010	8		
T2315092011	1		
T2315092012	5		
T2315092013	6		
T2315092014	Ambient 6		
T2315092015	Ambient 5		
T2315092016	11		
T2315092017	12		

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Workorder: Hudson Pollution (T2315092)

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☐ Fort Myers, 13100 Westlakes Terrace, Ste. 10, FL 33913 • 239.674.8130 • Lab ID: E84492
☐ Jacksonville, 6681 Southpoint Pkwy, FL 32216 • 904.363.9550 • Lab ID: E82574
☐ Tallahassee, 2835 North Monroe St., Suite D, FL 32303 • 904.219.6274 • Lab ID: E811095
☐ Gainesville, 4885 SW 41st Blvd, FL 32608 • 352.377.2349 • Lab ID: E82001
☐ Miramar, 10200 USA Today Way, FL 33025 • 954.889.2288 • Lab ID: E82535
☐ Tampa, 9610 Princess Palm Ave, FL 33619 • 813.630.9616 • Lab ID: E84589

Client Name: Flatwoods Consulting Project Name: Hudson Pollution
Address: 8306 Livers Fair Circle Project Number:
Phone: 813-120-Tampa FL 33610 PO Number:
FAX: FDEP Facility No:
FDEP Facility Addr:
Contact: Michael Grzywna Special Instructions:
Sampled By: M. Grzywna
Standard: Rush ADAPT EQUIS Other
AEL Profile #: Standard

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	DATE	SAMPLING TIME	MATRIX	NO. COUNT	ANALYSIS REQUIRED	BOTTLE SIZE & TYPE
Ambient 2		Grab	8/2/23	9:08	SW	1	Enterococci	
10				9:14				
2				9:23				
Ambient 1				9:30				
4				9:50				
Ambient 4				9:55				
Ambient 3				10:01				
7				10:06				
9				10:15				
8				10:19				

Matrix Code: WW=wastewater, SW=surface water, GW=ground water, DW=drinking water, MW=marine water.
O=oil, A=air, SO=soil, SL=sludge

Received on Ice ☒ Yes ☐ No Temp taken from sample ☐ Temp from blank ☐ Where required, pH checked
DCN: AD-D051web Form last revised 07/26/2022 Device used for measuring Temp by unique identifier (circle IR temp gun used) J: 9A G: LT-1 LT-2 T: 10A A: 3A M: 3A S: 1V F: 1A
Relinquished by: MD Date: 8/2/23 14:58 Received by: MD Date: 8/2/23 13:39

Temp. when received (observed) 26 °C Temp. when received (corrected) _____ °C
Temp. when received (corrected) _____ °C

FOR DRINKING WATER USE:
(When PWS information not otherwise supplied) PWS ID: _____
Contact Person: _____
Supplier of Water: _____
Site Address: _____

LABORATORY I.D. NUMBER

* T 2 3 1 5 0 9 2 *





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FINAL

Workorder: Hudson Pollution (T2315092)

Client Name: Flatwoods Consulting
Address: 8306 Laurel Fair Circle
Suite 120 Tampa FL 33610
Phone: 813-739-4994
FAX:
Contact: Michael Gray
Sample By: Standard
AEL Profile #: Rush

Project Name: Hudson Pollution
Project Number:
PO Number:
FDEP Facility No:
FDEP Facility Add:
Special Instructions:

Altamonte Springs: 380 Normale Blvd., Ste. 1048 FL 32701 • 407-337-1584 • Lab ID: E53076
Fort Myers: 11100 Westside Tampa, Ste. 10, FL 33913 • 239-674-5130 • Lab ID: E54492
Jacksonville: 6881 Southport Pkwy., FL 32218 • 904-363-9350 • Lab ID: E52574
Tallahassee: 2839 North Monroe St., Suite D, FL 32303 • 850-219-8274 • Lab ID: E511055

Gainesville: 4865 SW 41st Blvd., FL 32609 • 352-377-2348 • Lab ID: E52001
Miami: 10200 USA Today Way, FL 33025 • 954-489-2288 • Lab ID: E52535
Tampa: 9610 Princess Palm Ave., FL 33619 • 813-630-9616 • Lab ID: E54589

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING		MATRIX	NO. COUNT	ANALYSIS REQUIRED	BOTTLE SIZE & TYPE	LABORATORY I.D. NUMBER
			DATE	TIME					
4	Gravel		8/12/23	9:50	Gravel	1	Enterococci		
5	Gravel		8/12/23	9:50	Gravel	1			
6	Gravel		8/12/23	9:50	Gravel	1			
7	Gravel		8/12/23	9:50	Gravel	1			
8	Gravel		8/12/23	9:50	Gravel	1			
9	Gravel		8/12/23	9:50	Gravel	1			
10	Gravel		8/12/23	9:50	Gravel	1			
11	Gravel		8/12/23	9:50	Gravel	1			
12	Gravel		8/12/23	9:50	Gravel	1			

Received on Ice: ☒ Yes ☐ No ☐ Temp taken from sample ☐ Temp from blank ☒ Where required, pH checked

DCN: AD-0051web Form last revised 07/26/2022

Relinquished by: [Signature] Date: 8/12/23 Time: 12:58 Received by: [Signature] Date: 8/12/23 Time: 1:30

Device used for measuring Temp by unique identifier (circle IR temp gun used) J: 9A G: LT-1 LT-2 (T: 10A) A: 3A M: 3A S: 1V F: 1A

Temp, when received (observed) 28 °C Temp, when received (corrected) °C

Preservation Code: H=Ice, H=HCl, S=H2SO4, N=HNO3, T=Sodium Thiosulfate, AA=Ascorbic/HCl, AB=Ascorbic/NaOH

FOR DRINKING WATER USE:
(When PWS information not otherwise supplied) PWS ID: _____
Contact Person: _____
Supplier of Water: _____
Site Address: _____





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FINAL

Workorder: Hudson Pollution (T2315550)

August 14, 2023

Michael Grzywacz
Flatwoods
8306 ILaurel Fair Circle Ste12
Tampa,

RE: Workorder: T2315550 Hudson Pollution

Dear Michael Grzywacz:

Enclosed are the analytical results for sample(s) received by the laboratory on Tuesday August 8, 2023. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Sheila Wilcox, Assistant Lab Manager
SWilcox@aellab.com

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FINAL

Workorder: Hudson Pollution (T2315550)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
T2315550001	Ambient 2	WA	ENTEROLERT/ QUANTI-TRAY	08/08/2023 10:14	08/08/2023 14:12	1	NA
T2315550002	10	WA	ENTEROLERT/ QUANTI-TRAY	08/08/2023 10:18	08/08/2023 14:12	1	NA
T2315550003	2	WA	ENTEROLERT/ QUANTI-TRAY	08/08/2023 10:24	08/08/2023 14:12	1	NA
T2315550004	Ambient 1	WA	ENTEROLERT/ QUANTI-TRAY	08/08/2023 10:28	08/08/2023 14:12	1	NA
T2315550005	1	WA	ENTEROLERT/ QUANTI-TRAY	08/08/2023 10:36	08/08/2023 14:12	1	NA
T2315550006	4	WA	ENTEROLERT/ QUANTI-TRAY	08/08/2023 10:49	08/08/2023 14:12	1	NA
T2315550007	Ambient 4	WA	ENTEROLERT/ QUANTI-TRAY	08/08/2023 10:54	08/08/2023 14:12	1	NA
T2315550008	Ambient 3	WA	ENTEROLERT/ QUANTI-TRAY	08/08/2023 11:00	08/08/2023 14:12	1	NA
T2315550009	7	WA	ENTEROLERT/ QUANTI-TRAY	08/08/2023 11:06	08/08/2023 14:12	1	NA
T2315550010	9	WA	ENTEROLERT/ QUANTI-TRAY	08/08/2023 11:12	08/08/2023 14:12	1	NA
T2315550011	8	WA	ENTEROLERT/ QUANTI-TRAY	08/08/2023 11:17	08/08/2023 14:12	1	NA
T2315550012	5	WA	ENTEROLERT/ QUANTI-TRAY	08/08/2023 11:35	08/08/2023 14:12	1	NA
T2315550013	6	WA	ENTEROLERT/ QUANTI-TRAY	08/08/2023 11:43	08/08/2023 14:12	1	NA
T2315550014	Ambient 6	WA	ENTEROLERT/ QUANTI-TRAY	08/08/2023 11:50	08/08/2023 14:12	1	NA
T2315550015	Ambient 5	WA	ENTEROLERT/ QUANTI-TRAY	08/08/2023 11:55	08/08/2023 14:12	1	NA
T2315550016	12	WA	ENTEROLERT/ QUANTI-TRAY	08/08/2023 12:21	08/08/2023 14:12	1	NA
T2315550017	13	WA	ENTEROLERT/ QUANTI-TRAY	08/08/2023 12:32	08/08/2023 14:12	1	NA
T2315550018	11	WA	ENTEROLERT/ QUANTI-TRAY	08/08/2023 12:42	08/08/2023 14:12	1	NA

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FINAL

Workorder: Hudson Pollution (T2315550)

Analytical Results Qualifiers

Parameter Qualifiers

- U The compound was analyzed for but not detected.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Lab Qualifiers

- T DOH Certification #E84589 (FL NELAC) AEL-Tampa

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FINAL

Workorder: Hudson Pollution (T2315550)

Analytical Results

Lab ID: T2315550001
Sample ID: Ambient 2

Date Collected: 08/08/2023 10:14
Date Received: 08/08/2023 14:12

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	20	MPN/100 mL	10	10	10	08/08/2023 16:35	08/08/2023 16:35	T

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Workorder: Hudson Pollution (T2315550)

Analytical Results

Lab ID: T2315550002
Sample ID: 10

Date Collected: 08/08/2023 10:18
Date Received: 08/08/2023 14:12

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	210	MPN/100 mL	10	10	10	08/08/2023 16:35	08/08/2023 16:35	T

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FINAL

Workorder: Hudson Pollution (T2315550)

Analytical Results

Lab ID: T2315550003
Sample ID: 2

Date Collected: 08/08/2023 10:24
Date Received: 08/08/2023 14:12

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	08/08/2023 16:35	08/08/2023 16:35	T

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Workorder: Hudson Pollution (T2315550)

Analytical Results

Lab ID:	T2315550004	Date Collected:	08/08/2023 10:28				Matrix:	Water	
Sample ID:	Ambient 1	Date Received:	08/08/2023 14:12						
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab	
Microbiology (ENTEROLERT/ QUANTI-TRAY)									
Enterococcus	10	MPN/100 ml	10	10	10	08/08/2023 16:35	08/08/2023 16:35	T	

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FINAL

Workorder: Hudson Pollution (T2315550)

Analytical Results

Lab ID: T2315550005
Sample ID: 1

Date Collected: 08/08/2023 10:36
Date Received: 08/08/2023 14:12

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	20	MPN/100 mL	10	10	10	08/08/2023 16:35	08/08/2023 16:35	T

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FINAL

Workorder: Hudson Pollution (T2315550)

Analytical Results

Lab ID: T2315550006	Date Collected: 08/08/2023 10:49	Matrix: Water						
Sample ID: 4	Date Received: 08/08/2023 14:12							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	41	MPN/100 ml	10	10	10	08/08/2023 16:35	08/08/2023 16:35	T





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FINAL

Workorder: Hudson Pollution (T2315550)

Analytical Results

Lab ID: T2315550007
Sample ID: Ambient 4

Date Collected: 08/08/2023 10:54
Date Received: 08/08/2023 14:12

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	08/08/2023 16:35	08/08/2023 16:35	T

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Workorder: Hudson Pollution (T2315550)

Analytical Results

Lab ID: T2315550008
Sample ID: Ambient 3

Date Collected: 08/08/2023 11:00
Date Received: 08/08/2023 14:12

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	08/08/2023 16:35	08/08/2023 16:35	T

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FINAL

Workorder: Hudson Pollution (T2315550)

Analytical Results

Lab ID: T2315550009
Sample ID: 7

Date Collected: 08/08/2023 11:06
Date Received: 08/08/2023 14:12

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10	MPN/100 mL	10	10	10	08/08/2023 16:35	08/08/2023 16:35	T

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FINAL

Workorder: Hudson Pollution (T2315550)

Analytical Results

Lab ID: T2315550010
Sample ID: 9

Date Collected: 08/08/2023 11:12
Date Received: 08/08/2023 14:12

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	08/08/2023 16:35	08/08/2023 16:35	T

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Workorder: Hudson Pollution (T2315550)

Analytical Results

Lab ID: T2315550011
Sample ID: 8

Date Collected: 08/08/2023 11:17
Date Received: 08/08/2023 14:12

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10	MPN/100 mL	10	10	10	08/08/2023 16:35	08/08/2023 16:35	T

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Workorder: Hudson Pollution (T2315550)

Analytical Results

Lab ID: T2315550012
Sample ID: 5

Date Collected: 08/08/2023 11:35
Date Received: 08/08/2023 14:12

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	08/08/2023 16:35	08/08/2023 16:35	T

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Workorder: Hudson Pollution (T2315550)

Analytical Results

Lab ID:	T2315550013	Date Collected:	08/08/2023 11:43				Matrix:	Water	
Sample ID:	6	Date Received:	08/08/2023 14:12						
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab	
Microbiology (ENTEROLERT/ QUANTI-TRAY)									
Enterococcus	10 U	MPN/100 ml	10	10	10	08/08/2023 16:35	08/08/2023 16:35	T	

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FINAL

Workorder: Hudson Pollution (T2315550)

Analytical Results

Lab ID: T2315550014
Sample ID: Ambient 6

Date Collected: 08/08/2023 11:50
Date Received: 08/08/2023 14:12

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	08/08/2023 16:35	08/08/2023 16:35	T

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Workorder: Hudson Pollution (T2315550)

Analytical Results

Lab ID: T2315550015
Sample ID: Ambient 5

Date Collected: 08/08/2023 11:55
Date Received: 08/08/2023 14:12

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	20	MPN/100 mL	10	10	10	08/08/2023 16:35	08/08/2023 16:35	T

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FINAL

Workorder: Hudson Pollution (T2315550)

Analytical Results

Lab ID: T2315550016
Sample ID: 12

Date Collected: 08/08/2023 12:21
Date Received: 08/08/2023 14:12

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	370	MPN/100 mL	10	10	10	08/08/2023 16:35	08/08/2023 16:35	T

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Workorder: Hudson Pollution (T2315550)

Analytical Results

Lab ID: T2315550017
Sample ID: 13

Date Collected: 08/08/2023 12:32
Date Received: 08/08/2023 14:12

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	290	MPN/100 mL	10	10	10	08/08/2023 16:35	08/08/2023 16:35	T

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Workorder: Hudson Pollution (T2315550)

Analytical Results

Lab ID: T2315550018
Sample ID: 11

Date Collected: 08/08/2023 12:42
Date Received: 08/08/2023 14:12

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	20	MPN/100 mL	10	10	10	08/08/2023 16:35	08/08/2023 16:35	T

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FINAL

Workorder: Hudson Pollution (T2315550)

QC Results

QC Batch: MICt/6606
Preparation Method: ENTEROLERT/ QUANTI-TRAY
Analysis Method: ENTEROLERT/ QUANTI-TRAY
Associated Lab IDs: T2315550001, T2315550002, T2315550003, T2315550004, T2315550005, T2315550006, T2315550007, T2315550008, T2315550009, T2315550010, T2315550011, T2315550012, T2315550013, T2315550014, T2315550015, T2315550016, T2315550017, T2315550018

Method Blank(4905369)

Parameter	Results	Units	PQL	MDL	Lab
Enterococcus	1.0 U	MPN/100 mL	1.0	1.0	T





FINAL

Workorder: Hudson Pollution (T2315550)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
MICt/6606 - ENTEROLERT/ QUANTI-TRAY			
T2315550001	Ambient 2		
T2315550002	10		
T2315550003	2		
T2315550004	Ambient 1		
T2315550005	1		
T2315550006	4		
T2315550007	Ambient 4		
T2315550008	Ambient 3		
T2315550009	7		
T2315550010	9		
T2315550011	8		
T2315550012	5		
T2315550013	6		
T2315550014	Ambient 6		
T2315550015	Ambient 5		
T2315550016	12		
T2315550017	13		
T2315550018	11		

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FINAL

Workorder: Hudson Pollution (T2315550)

Client Name: Hudson Pollution Consulting
Address: 8306 Laurel Fair Circle
City/State/Zip: Suite 120 Tampa FL 33610
Phone: 610-739-4444
FAX: _____
Contact: Michael Graywater
Sampled By: Michael Graywater
Special Instructions: _____
Standard: Rush
AEL Profile #: _____
Project Name: Hudson Pollution
Project Number: _____
PO Number: _____
FDEP Facility No: _____
FDEP Facility Addr: _____
BOTTLE SIZE & TYPE: _____
ANALYSIS REQUIRED: Enterococci
LABORATORY I.D. NUMBER: T 2 3 1 5 5 5 0
Matrix Code: WW=wastewater, SW=surface water, GW=ground water, DW=drinking water, MW=marine water, O=oil, A=air, SO=soil, SL=sludge
Received on Ice: ☒ Yes ☐ No ☐ Temp taken from sample ☐ Temp from blank ☐ Where required, pH checked
Device used for measuring Temp by unique identifier (circle IR temp gun used) J: 9A G: LT-1 LT-2 T: 10A A: 3A M: 3A S: 1V F: 1A
Temp when received (observed) _____ °C Temp when received (corrected) _____ °C
Preservation Code: Ice, H=HCl, S=H2SO4, N=HNO3, T=Sodium Thiosulfate, AA=AscorbicHCl, AB=AscorbicNaOH
FOR DRINKING WATER USE: (When PWS information not otherwise supplied) PWS ID: _____
Contact Person: _____
Supplier of Water: _____
Site Address: _____

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING		MATRIX	NO. COUNT	Preparation Method	Nc	LABORATORY I.D. NUMBER
			DATE	TIME					
Ambient 2		Grab	8/8/23	10:14	SW	1			001
10				10:18					002
2				10:24					003
Ambient 1				10:28					004
1				10:36					005
4				10:44					006
Ambient 4				10:54					007
Ambient 3				11:00					008
7				11:06					009
9				11:12					010





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FINAL

Workorder: Hudson Pollution (T2315550)

Advanced Environmental Laboratories, Inc.

Client Name: see pg. 1 Networks Project Name: Atlanta Springs 360 Northside Blvd. Ste. 1046 FL 32201 • 407.937.1594 • Lab ID: E83078

Address: see pg. 1 Networks Project Number: Fort Myers 13100 Westlake Terrace, Ste. 10, FL 33913 • 239.674.8130 • Lab ID: E84492

Phone: see pg. 1 Networks PO Number: Jacksonville 6661 Southport Pkwy, FL 32216 • 904.363.9350 • Lab ID: E82574

FAX: see pg. 1 Networks FDEP Facility No: Jacksonville 2639 North Monroe St., Suite D, FL 32203 • 904.219.6274 • Lab ID: E810355

Contact: see pg. 1 Networks FDEP Facility Addr: Tallahassee 2639 North Monroe St., Suite D, FL 32203 • 904.219.6274 • Lab ID: E810355

Sampled By: see pg. 1 Networks Special Instructions: see pg. 1 Networks

Sample ID: see pg. 1 Networks AEL Profile #: see pg. 1 Networks

Grab Comp DATE TIME MATRIX NO. ANALYSIS REQUIRED BOTTLE SIZE & TYPE

8 8/8/23 11:17 SW 1 Enterococci

5 8/8/23 11:35 SW 1

6 8/8/23 11:43 SW 1

Ambient 6 8/8/23 11:50 SW 1

Ambient 5 8/8/23 11:55 SW 1

12 8/8/23 12:21 SW 1

13 8/8/23 12:32 SW 1

11 8/8/23 12:42 SW 1

Matrix Code: WW=wastewater, SW=surface water, GW=ground water, DW=drinking water, MW=marine water, O=oil, A=air, SO=sol, SL=solids

Received on ice: ☒ Yes ☐ No Temp taken from sample: ☐ Temp from blank ☐ Where required, pH checked

DCN: AD-D051web Form last revised 07/26/2022 Device used for measuring Temp by unique identifier (circle IR temp gun used) J: 9A G: LT-1 LT-2 T: 10A A: 3A M: 3A S: 1V F: 1A

Relinquished by: Michael S. Casper Date: 8/13/23 Time: 14:12 Received by: Charles J. Verducci Date: 8/23/23 Time: 14:12

Temp. when received (observed) 22 °C Temp. when received (corrected) 22 °C

FOR DRINKING WATER USE: (When PWS information not otherwise supplied) PWS ID:

Contact Person:

Supplier of Water:

Site Address:

Preservation Code: I=Ice, H=HCl, S=H2SO4, N=HNO3, T= Sodium Thiosulfate, AA=Ascorbic/HCl, AB=Ascorbic/NaOH

LABORATORY I.D. NUMBER





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FINAL

Workorder: Hudson Pollution (T2316501)

September 07, 2023

Michael Grzywacz
Flatwoods
8306 ILaurel Fair Circle Ste12
Tampa,

RE: Workorder: T2316501 Hudson Pollution

Dear Michael Grzywacz:

Enclosed are the analytical results for sample(s) received by the laboratory on Monday August 21, 2023. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Sheila Wilcox, Assistant Lab Manager
SWilcox@aellab.com

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FINAL

Workorder: Hudson Pollution (T2316501)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
T2316501001	Ambient3	WA	ENTEROLERT/ QUANTI-TRAY	08/21/2023 08:15	08/21/2023 12:50	1	NA
T2316501002	Ambient3 (Sediment)	WA	ENTEROLERT/ QUANTI-TRAY	08/21/2023 08:17	08/21/2023 12:50	1	NA
T2316501003	Ambient2	WA	ENTEROLERT/ QUANTI-TRAY	08/21/2023 08:59	08/21/2023 12:50	1	NA
T2316501004	10	WA	ENTEROLERT/ QUANTI-TRAY	08/21/2023 09:05	08/21/2023 12:50	1	NA
T2316501005	2	WA	ENTEROLERT/ QUANTI-TRAY	08/21/2023 09:12	08/21/2023 12:50	1	NA
T2316501006	Ambient1	WA	ENTEROLERT/ QUANTI-TRAY	08/21/2023 09:17	08/21/2023 12:50	1	NA
T2316501007	1	WA	ENTEROLERT/ QUANTI-TRAY	08/21/2023 09:20	08/21/2023 12:50	1	NA
T2316501008	4	WA	ENTEROLERT/ QUANTI-TRAY	08/21/2023 09:34	08/21/2023 12:50	1	NA
T2316501009	Ambient4	WA	ENTEROLERT/ QUANTI-TRAY	08/21/2023 09:41	08/21/2023 12:50	1	NA
T2316501010	7	WA	ENTEROLERT/ QUANTI-TRAY	08/21/2023 09:50	08/21/2023 12:50	1	NA
T2316501011	9	WA	ENTEROLERT/ QUANTI-TRAY	08/21/2023 09:56	08/21/2023 12:50	1	NA
T2316501012	8	WA	ENTEROLERT/ QUANTI-TRAY	08/21/2023 10:01	08/21/2023 12:50	1	NA
T2316501013	5	WA	ENTEROLERT/ QUANTI-TRAY	08/21/2023 10:21	08/21/2023 12:50	1	NA
T2316501014	6	WA	ENTEROLERT/ QUANTI-TRAY	08/21/2023 10:35	08/21/2023 12:50	1	NA
T2316501015	Ambient 6	WA	ENTEROLERT/ QUANTI-TRAY	08/21/2023 10:41	08/21/2023 12:50	1	NA
T2316501016	Ambient 5	WA	ENTEROLERT/ QUANTI-TRAY	08/21/2023 10:47	08/21/2023 12:50	1	NA
T2316501017	11	WA	ENTEROLERT/ QUANTI-TRAY	08/21/2023 11:08	08/21/2023 12:50	1	NA
T2316501018	13	WA	ENTEROLERT/ QUANTI-TRAY	08/21/2023 11:20	08/21/2023 12:50	1	NA
T2316501019	12	WA	ENTEROLERT/ QUANTI-TRAY	08/21/2023 11:30	08/21/2023 12:50	1	NA





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FINAL

Workorder: Hudson Pollution (T2316501)

Analytical Results Qualifiers

Parameter Qualifiers

- U The compound was analyzed for but not detected.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Lab Qualifiers

- T DOH Certification #E84589 (FL NELAC) AEL-Tampa

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Workorder: Hudson Pollution (T2316501)

Analytical Results

Lab ID: T2316501001
Sample ID: Ambient3

Date Collected: 08/21/2023 08:15
Date Received: 08/21/2023 12:50

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	870	MPN/100 mL	1.0	1.0	1	08/21/2023 15:39	08/21/2023 15:39	T

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Workorder: Hudson Pollution (T2316501)

Analytical Results

Lab ID: T2316501002
Sample ID: Ambient3 (Sediment)

Date Collected: 08/21/2023 08:17
Date Received: 08/21/2023 12:50

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	30	MPN/100 mL	10	10	10	08/21/2023 15:39	08/21/2023 15:39	T

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Workorder: Hudson Pollution (T2316501)

Analytical Results

Lab ID: T2316501003
Sample ID: Ambient2

Date Collected: 08/21/2023 08:59
Date Received: 08/21/2023 12:50

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	31	MPN/100 mL	10	10	10	08/21/2023 15:39	08/21/2023 15:39	T

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Workorder: Hudson Pollution (T2316501)

Analytical Results

Lab ID: T2316501004
Sample ID: 10

Date Collected: 08/21/2023 09:05
Date Received: 08/21/2023 12:50

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	690	MPN/100 mL	1.0	1.0	1	08/21/2023 15:39	08/21/2023 15:39	T

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FINAL

Workorder: Hudson Pollution (T2316501)

Analytical Results

Lab ID: T2316501005
Sample ID: 2

Date Collected: 08/21/2023 09:12
Date Received: 08/21/2023 12:50

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	1300	MPN/100 mL	1.0	1.0	1	08/21/2023 15:39	08/21/2023 15:39	T

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Workorder: Hudson Pollution (T2316501)

Analytical Results

Lab ID: T2316501006
Sample ID: Ambient1

Date Collected: 08/21/2023 09:17
Date Received: 08/21/2023 12:50

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	1400	MPN/100 mL	1.0	1.0	1	08/21/2023 15:39	08/21/2023 15:39	T

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Workorder: Hudson Pollution (T2316501)

Analytical Results

Lab ID: T2316501007
Sample ID: 1

Date Collected: 08/21/2023 09:20
Date Received: 08/21/2023 12:50

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	2000	MPN/100 mL	1.0	1.0	1	08/21/2023 15:39	08/21/2023 15:39	T

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FINAL

Workorder: Hudson Pollution (T2316501)

Analytical Results

Lab ID: T2316501008
Sample ID: 4

Date Collected: 08/21/2023 09:34
Date Received: 08/21/2023 12:50

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	1100	MPN/100 mL	1.0	1.0	1	08/21/2023 15:39	08/21/2023 15:39	T

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FINAL

Workorder: Hudson Pollution (T2316501)

Analytical Results

Lab ID:	T2316501009	Date Collected:	08/21/2023 09:41			Matrix:	Water		
Sample ID:	Ambient4	Date Received:	08/21/2023 12:50						
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab	
Microbiology (ENTEROLERT/ QUANTI-TRAY)									
Enterococcus	1200	MPN/100 ml	1.0	1.0	1	08/21/2023 15:39	08/21/2023 15:39	T	

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Workorder: Hudson Pollution (T2316501)

Analytical Results

Lab ID: T2316501010
Sample ID: 7

Date Collected: 08/21/2023 09:50
Date Received: 08/21/2023 12:50

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	1100	MPN/100 mL	1.0	1.0	1	08/21/2023 15:39	08/21/2023 15:39	T

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FINAL

Workorder: Hudson Pollution (T2316501)

Analytical Results

Lab ID: T2316501011
Sample ID: 9

Date Collected: 08/21/2023 09:56
Date Received: 08/21/2023 12:50

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	120	MPN/100 mL	1.0	1.0	1	08/21/2023 15:50	08/21/2023 15:50	T

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FINAL

Workorder: Hudson Pollution (T2316501)

Analytical Results

Lab ID: T2316501012
Sample ID: 8

Date Collected: 08/21/2023 10:01
Date Received: 08/21/2023 12:50

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	240	MPN/100 mL	1.0	1.0	1	08/21/2023 15:50	08/21/2023 15:50	T

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Workorder: Hudson Pollution (T2316501)

Analytical Results

Lab ID: T2316501013
Sample ID: 5

Date Collected: 08/21/2023 10:21
Date Received: 08/21/2023 12:50

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	1200	MPN/100 mL	1.0	1.0	1	08/21/2023 15:50	08/21/2023 15:50	T

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Workorder: Hudson Pollution (T2316501)

Analytical Results

Lab ID: T2316501014
Sample ID: 6

Date Collected: 08/21/2023 10:35
Date Received: 08/21/2023 12:50

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	440	MPN/100 mL	1.0	1.0	1	08/21/2023 15:50	08/21/2023 15:50	T

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FINAL

Workorder: Hudson Pollution (T2316501)

Analytical Results

Lab ID:	T2316501015	Date Collected:	08/21/2023 10:41	Matrix:	Water			
Sample ID:	Ambient 6	Date Received:	08/21/2023 12:50					
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	230	MPN/100 ml	1.0	1.0	1	08/21/2023 15:50	08/21/2023 15:50	T

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Workorder: Hudson Pollution (T2316501)

Analytical Results

Lab ID: T2316501016
Sample ID: Ambient 5

Date Collected: 08/21/2023 10:47
Date Received: 08/21/2023 12:50

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	410	MPN/100 mL	1.0	1.0	1	08/21/2023 15:50	08/21/2023 15:50	T

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FINAL

Workorder: Hudson Pollution (T2316501)

Analytical Results

Lab ID: T2316501017
Sample ID: 11

Date Collected: 08/21/2023 11:08
Date Received: 08/21/2023 12:50

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	1600	MPN/100 mL	1.0	1.0	1	08/21/2023 15:50	08/21/2023 15:50	T

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Workorder: Hudson Pollution (T2316501)

Analytical Results

Lab ID: T2316501018
Sample ID: 13

Date Collected: 08/21/2023 11:20
Date Received: 08/21/2023 12:50

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	2400	MPN/100 mL	1.0	1.0	1	08/21/2023 15:50	08/21/2023 15:50	T

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FINAL

Workorder: Hudson Pollution (T2316501)

Analytical Results

Lab ID: T2316501019
Sample ID: 12

Date Collected: 08/21/2023 11:30
Date Received: 08/21/2023 12:50

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	2400	MPN/100 mL	1.0	1.0	1	08/21/2023 15:50	08/21/2023 15:50	T

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FINAL

Workorder: Hudson Pollution (T2316501)

QC Results

QC Batch: MICT/6679 **Analysis Method:** ENTEROLERT/ QUANTI-TRAY
Preparation Method: ENTEROLERT/ QUANTI-TRAY
Associated Lab IDs: T2316501001, T2316501002, T2316501003, T2316501004, T2316501005, T2316501006, T2316501007, T2316501008, T2316501009, T2316501010

Method Blank(4924236)

Parameter	Results	Units	PQL	MDL	Lab
Enterococcus	1.0 U	MPN/100 mL	1.0	1.0	T

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FINAL

Workorder: Hudson Pollution (T2316501)

QC Results

QC Batch: MIC/6680
Preparation Method: ENTEROLERT/ QUANTI-TRAY
Analysis Method: ENTEROLERT/ QUANTI-TRAY
Associated Lab IDs: T2316501011, T2316501012, T2316501013, T2316501014, T2316501015, T2316501016, T2316501017, T2316501018, T2316501019

Method Blank(4924247)

Parameter	Results	Units	PQL	MDL	Lab
Enterococcus	1.0 U	MPN/100 mL	1.0	1.0	T





FINAL

Workorder: Hudson Pollution (T2316501)

QC Cross Reference

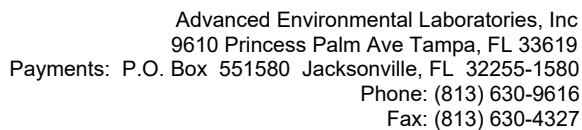
Lab ID	Sample ID	Prep Batch	Prep Method
MICt/6679 - ENTEROLERT/ QUANTI-TRAY			
T2316501001	Ambient3		
T2316501002	Ambient3 (Sediment)		
T2316501003	Ambient2		
T2316501004	10		
T2316501005	2		
T2316501006	Ambient1		
T2316501007	1		
T2316501008	4		
T2316501009	Ambient4		
T2316501010	7		
MICt/6680 - ENTEROLERT/ QUANTI-TRAY			
T2316501011	9		
T2316501012	8		
T2316501013	5		
T2316501014	6		
T2316501015	Ambient 6		
T2316501016	Ambient 5		
T2316501017	11		
T2316501018	13		
T2316501019	12		

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Workorder: Hudson Pollution (T2316501)

Thursday, September 7, 2023 4:50:41 PM
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FINAL

Workorder: Hudson Pollution (T2316501)

Advanced Environmental Laboratories, Inc.

Client Name: Fluorocarb Consulting Project Name: Hudson Pollution

Address: 8806 Laurel Fair Circle PO Number: _____

Phone: 610-784-4444 FDEP Facility No: _____

FAX: _____ FDEP Facility Addr: _____

Contact: Michael Graywater Special Instructions: _____

Sampled By: Standard (Rush) ADAPT _____

AEI Profile #: _____

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	EQUIP		MATRIX	NO. COUNT	ANALYSIS REQUIRED	BOTTLE SIZE & TYPE	LABORATORY I.D. NUMBER
			DATE	TIME					
9	Grab	8/21/23	9:56	SW	1	✓	Enterococci		011
8			10:01						012
5			10:21						013
6			10:35						014
Ambient 6			10:41						015
Ambient 5			10:47						016
11			11:08						019
13			11:20						018
12			11:30						014
									020

Matrix Code: WW=wastewater, SW=surface water, GW=ground water, DW=drinking water, MW=marine water.

O=oil, A=air, SO=soil, SL=spludge

Received on Ice ☒ Yes ☐ No Temp taken from sample ☐ Temp from blank ☒ Where required, pH checked _____

DCN: AFD051web Form last revised 07/28/2022 Device used for measuring Temp by unique identifier (circle IR temp gun used) J: 9A G: LT-1 LT-2 (10A) A: 3A M: 3A S: 1V F: 1A

Relinquished by: _____ Date: 9/21/23 Time: 12:50 Received by: PH Date: 8/23/23 Time: 12:50

FOR DRINKING WATER USE:

Contact Person: _____

Supplier of Water: _____

Site Address: _____

Preservation Code: H=ice, H=HCl, S=H2SO4, N=HNO3, T=Sodium Thiosulfate, AA=Ascorbic/HCl, AB=Ascorbic/NaOH

Temp. when received (observed) _____ °C Temp. when received (corrected) _____ °C

* T 2 3 1 6 5 0 1 *

Page 2 of 2

Thursday, September 7, 2023 4:50:41 PM
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HORIZON
v.13.1.0



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FINAL

Workorder: Hudson Pollution (T2316868)

September 07, 2023

Michael Grzywacz
Flatwoods
8306 Laurel Fair Circle Ste12
Tampa,

RE: Workorder: T2316868 Hudson Pollution

Dear Michael Grzywacz:

Enclosed are the analytical results for sample(s) received by the laboratory on Thursday August 24, 2023. Results reported herein conform to the most current NELAP standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Sheila Wilcox, Assistant Lab Manager
SWilcox@aellab.com

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FINAL

Workorder: Hudson Pollution (T2316868)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
T2316868001	Ambient 2	WA	ENTEROLERT/ QUANTI-TRAY	08/24/2023 11:24	08/24/2023 15:40	1	NA
T2316868002	10	WA	ENTEROLERT/ QUANTI-TRAY	08/24/2023 11:31	08/24/2023 15:40	1	NA
T2316868003	2	WA	ENTEROLERT/ QUANTI-TRAY	08/24/2023 11:40	08/24/2023 15:40	1	NA
T2316868004	Ambient 1	WA	ENTEROLERT/ QUANTI-TRAY	08/24/2023 11:45	08/24/2023 15:40	1	NA
T2316868005	1	WA	ENTEROLERT/ QUANTI-TRAY	08/24/2023 11:50	08/24/2023 15:40	1	NA
T2316868006	4	WA	ENTEROLERT/ QUANTI-TRAY	08/24/2023 12:12	08/24/2023 15:40	1	NA
T2316868007	Ambient 4	WA	ENTEROLERT/ QUANTI-TRAY	08/24/2023 12:18	08/24/2023 15:40	1	NA
T2316868008	Ambient 3	WA	ENTEROLERT/ QUANTI-TRAY	08/24/2023 12:20	08/24/2023 15:40	1	NA
T2316868009	7	WA	ENTEROLERT/ QUANTI-TRAY	08/24/2023 12:33	08/24/2023 15:40	1	NA
T2316868010	9	WA	ENTEROLERT/ QUANTI-TRAY	08/24/2023 12:41	08/24/2023 15:40	1	NA
T2316868011	8	WA	ENTEROLERT/ QUANTI-TRAY	08/24/2023 12:46	08/24/2023 15:40	1	NA
T2316868012	5	WA	ENTEROLERT/ QUANTI-TRAY	08/24/2023 13:05	08/24/2023 15:40	1	NA
T2316868013	6	WA	ENTEROLERT/ QUANTI-TRAY	08/24/2023 13:17	08/24/2023 15:40	1	NA
T2316868014	Ambient 6	WA	ENTEROLERT/ QUANTI-TRAY	08/24/2023 13:21	08/24/2023 15:40	1	NA
T2316868015	Ambient 5	WA	ENTEROLERT/ QUANTI-TRAY	08/24/2023 13:26	08/24/2023 15:40	1	NA
T2316868016	11	WA	ENTEROLERT/ QUANTI-TRAY	08/24/2023 14:00	08/24/2023 15:40	1	NA
T2316868017	12	WA	ENTEROLERT/ QUANTI-TRAY	08/24/2023 14:17	08/24/2023 15:40	1	NA
T2316868018	13	WA	ENTEROLERT/ QUANTI-TRAY	08/24/2023 14:06	08/24/2023 15:40	1	NA





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FINAL

Workorder: Hudson Pollution (T2316868)

Analytical Results Qualifiers

Parameter Qualifiers

- U The compound was analyzed for but not detected.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Lab Qualifiers

- T DOH Certification #E84589 (FL NELAC) AEL-Tampa

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Workorder: Hudson Pollution (T2316868)

Analytical Results

Lab ID: T2316868001
Sample ID: Ambient 2

Date Collected: 08/24/2023 11:24
Date Received: 08/24/2023 15:40

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	2400	MPN/100 mL	1.0	1.0	1	08/24/2023 16:49	08/24/2023 16:49	T

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Workorder: Hudson Pollution (T2316868)

Analytical Results

Lab ID:	T2316868002	Date Collected:	08/24/2023 11:31				Matrix:	Water	
Sample ID:	10	Date Received:	08/24/2023 15:40						
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab	
Microbiology (ENTEROLERT/ QUANTI-TRAY)									
Enterococcus	2400	MPN/100 ml	1.0	1.0	1	08/24/2023 16:49	08/24/2023 16:49	T	

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Workorder: Hudson Pollution (T2316868)

Analytical Results

Lab ID: T2316868003
Sample ID: 2

Date Collected: 08/24/2023 11:40
Date Received: 08/24/2023 15:40

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	2400	MPN/100 mL	1.0	1.0	1	08/24/2023 16:49	08/24/2023 16:49	T

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Workorder: Hudson Pollution (T2316868)

Analytical Results

Lab ID:	T2316868004	Date Collected:	08/24/2023 11:45			Matrix:	Water		
Sample ID:	Ambient 1	Date Received:	08/24/2023 15:40						
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab	
Microbiology (ENTEROLERT/ QUANTI-TRAY)									
Enterococcus	1600	MPN/100 ml	1.0	1.0	1	08/24/2023 16:49	08/24/2023 16:49	T	

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Workorder: Hudson Pollution (T2316868)

Analytical Results

Lab ID: T2316868005
Sample ID: 1

Date Collected: 08/24/2023 11:50
Date Received: 08/24/2023 15:40

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	1400	MPN/100 mL	1.0	1.0	1	08/24/2023 16:49	08/24/2023 16:49	T

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FINAL

Workorder: Hudson Pollution (T2316868)

Analytical Results

Lab ID: T2316868006
Sample ID: 4

Date Collected: 08/24/2023 12:12
Date Received: 08/24/2023 15:40

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	1700	MPN/100 mL	1.0	1.0	1	08/24/2023 16:49	08/24/2023 16:49	T

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Workorder: Hudson Pollution (T2316868)

Analytical Results

Lab ID: T2316868007
Sample ID: Ambient 4

Date Collected: 08/24/2023 12:18
Date Received: 08/24/2023 15:40

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	550	MPN/100 mL	1.0	1.0	1	08/24/2023 16:49	08/24/2023 16:49	T

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Workorder: Hudson Pollution (T2316868)

Analytical Results

Lab ID: T2316868008
Sample ID: Ambient 3

Date Collected: 08/24/2023 12:20
Date Received: 08/24/2023 15:40

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	730	MPN/100 mL	1.0	1.0	1	08/24/2023 16:49	08/24/2023 16:49	T

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Workorder: Hudson Pollution (T2316868)

Analytical Results

Lab ID: T2316868009
Sample ID: 7

Date Collected: 08/24/2023 12:33
Date Received: 08/24/2023 15:40

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	580	MPN/100 mL	1.0	1.0	1	08/24/2023 16:49	08/24/2023 16:49	T

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Workorder: Hudson Pollution (T2316868)

Analytical Results

Lab ID: T2316868010
Sample ID: 9

Date Collected: 08/24/2023 12:41
Date Received: 08/24/2023 15:40

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	1.0 U	MPN/100 mL	1.0	1.0	1	08/24/2023 16:49	08/24/2023 16:49	T

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Workorder: Hudson Pollution (T2316868)

Analytical Results

Lab ID: T2316868011
Sample ID: 8

Date Collected: 08/24/2023 12:46
Date Received: 08/24/2023 15:40

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	650	MPN/100 mL	1.0	1.0	1	08/24/2023 16:49	08/24/2023 16:49	T

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Workorder: Hudson Pollution (T2316868)

Analytical Results

Lab ID: T2316868012
Sample ID: 5

Date Collected: 08/24/2023 13:05
Date Received: 08/24/2023 15:40

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	1600	MPN/100 mL	1.0	1.0	1	08/24/2023 16:49	08/24/2023 16:49	T

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Workorder: Hudson Pollution (T2316868)

Analytical Results

Lab ID:	T2316868013	Date Collected:	08/24/2023 13:17			Matrix:	Water		
Sample ID:	6	Date Received:	08/24/2023 15:40						
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab	
Microbiology (ENTEROLERT/ QUANTI-TRAY)									
Enterococcus	410	MPN/100 ml	1.0	1.0	1	08/24/2023 16:49	08/24/2023 16:49	T	

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Workorder: Hudson Pollution (T2316868)

Analytical Results

Lab ID: T2316868014
Sample ID: Ambient 6

Date Collected: 08/24/2023 13:21
Date Received: 08/24/2023 15:40

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	460	MPN/100 mL	1.0	1.0	1	08/24/2023 16:49	08/24/2023 16:49	T

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Workorder: Hudson Pollution (T2316868)

Analytical Results

Lab ID: T2316868015
Sample ID: Ambient 5

Date Collected: 08/24/2023 13:26
Date Received: 08/24/2023 15:40

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	820	MPN/100 mL	1.0	1.0	1	08/24/2023 16:49	08/24/2023 16:49	T

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Workorder: Hudson Pollution (T2316868)

Analytical Results

Lab ID: T2316868016
Sample ID: 11

Date Collected: 08/24/2023 14:00
Date Received: 08/24/2023 15:40

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	1700	MPN/100 mL	1.0	1.0	1	08/24/2023 16:49	08/24/2023 16:49	T

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Workorder: Hudson Pollution (T2316868)

Analytical Results

Lab ID: T2316868017
Sample ID: 12

Date Collected: 08/24/2023 14:17
Date Received: 08/24/2023 15:40

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	2000	MPN/100 mL	1.0	1.0	1	08/24/2023 16:49	08/24/2023 16:49	T

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Workorder: Hudson Pollution (T2316868)

Analytical Results

Lab ID: T2316868018
Sample ID: 13

Date Collected: 08/24/2023 14:06
Date Received: 08/24/2023 15:40

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	150	MPN/100 mL	10	10	10	08/24/2023 16:49	08/24/2023 16:49	T

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FINAL

Workorder: Hudson Pollution (T2316868)

QC Results

QC Batch: MICT/6701 **Analysis Method:** ENTEROLERT/ QUANTI-TRAY
Preparation Method: ENTEROLERT/ QUANTI-TRAY
Associated Lab IDs: T2316868001, T2316868002, T2316868003, T2316868004, T2316868005, T2316868006, T2316868007, T2316868008, T2316868009, T2316868010

Method Blank(4930024)

Parameter	Results	Units	PQL	MDL	Lab
Enterococcus	1.0 U	MPN/100 mL	1.0	1.0	T

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Workorder: Hudson Pollution (T2316868)

QC Results

QC Batch: MIC/6702 Analysis Method: ENTEROLERT/ QUANTI-TRAY
Preparation Method: ENTEROLERT/ QUANTI-TRAY
Associated Lab IDs: T2316868011, T2316868012, T2316868013, T2316868014, T2316868015, T2316868016, T2316868017, T2316868018

Method Blank(4930035)

Parameter	Results	Units	PQL	MDL	Lab
Enterococcus	1.0 U	MPN/100 mL	1.0	1.0	T





FINAL

Workorder: Hudson Pollution (T2316868)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
MICt/6701 - ENTEROLERT/ QUANTI-TRAY			
T2316868001	Ambient 2		
T2316868002	10		
T2316868003	2		
T2316868004	Ambient 1		
T2316868005	1		
T2316868006	4		
T2316868007	Ambient 4		
T2316868008	Ambient 3		
T2316868009	7		
T2316868010	9		
MICt/6702 - ENTEROLERT/ QUANTI-TRAY			
T2316868011	8		
T2316868012	5		
T2316868013	6		
T2316868014	Ambient 6		
T2316868015	Ambient 5		
T2316868016	11		
T2316868017	12		
T2316868018	13		

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FINAL

Workorder: Hudson Pollution (T2316868)

Advanced Environmental Laboratories, Inc.

Client Name: Fluorocore Consulting
Address: 8306 Laurel Fair Circle
City: St. Pete State: FL Zip: 33610
Phone: 813-734-4444
FAX: _____
Contact: Michael Gray
Sample By: Rush
Special Instructions: _____
Standard: Rush
AEL Profile #: _____

Project Name: Hudson Pollution
Project Number: _____
PO Number: _____
FDEP Facility No: _____
FDEP Facility Addr: _____

Analysis Required: Enterococci
Bottle Size & Type: _____

Matrix Code: WW=wastewater, SW=surface water, GW=ground water, DW=drinking water, MW=marine water, O=oil, A=air, SO=soil, SL=sludge
Received on: Yes ☐ No ☐ Temp taken from sample ☐ Temp taken from blank ☐ Where required, pH checked ☐
DCN: AD-D051web Form last revised 07/26/2022
Relinquished by: _____ Date: _____ Time: _____
Received by: _____ Date: 8/24/23 Time: 15:10

FOR DRINKING WATER USE:
(When PWS information not otherwise supplied) PWS ID: _____
Contact Person: _____
Supplier of Water: _____
Site Address: _____

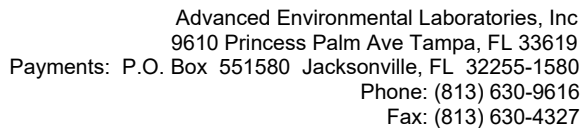
Temp. when received (observed) _____ °C Temp. when received (corrected) _____ °C
J: 9A G: LT-1 LT-2 T: 10A A: 3A M: 3A S: 1V F: 1A

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING DATE	TIME	MATRIX	NO. COUNT	LABORATORY I.D. NUMBER
Ambient 2		Grab	8/24/23	11:24	SW	1	D01
10				11:31			D02
2				11:40			D03
Ambient 1				11:45			D04
1				11:50			D05
4				12:12			D06
Ambient 4				12:18			D07
Ambient 3				12:26			D08
7				12:33			D09
9				12:41			D10

Preservation Code: I=ice, H=HCl, S=H2SO4, N=HNO3, T=Sodium Thiosulfate, AA=Ascorbic/HCl, AB=Ascorbic/NaOH

Barcode: *T2316868*





Workorder: Hudson Pollution (T2316868)

Thursday, September 7, 2023 4:52:25 PM
Dates and times are displayed using (-04:00)
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FINAL

Workorder: Hudson Pollution (T2316993)

September 19, 2023

Michael Grzywacz
Flatwoods
8306 ILaurel Fair Circle Ste12
Tampa,

RE: Workorder: T2316993 Hudson Pollution

Dear Michael Grzywacz:

Enclosed are the analytical results for sample(s) received by the laboratory on Monday August 28, 2023. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Sheila Wilcox, Assistant Lab Manager
SWilcox@aellab.com

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Workorder: Hudson Pollution (T2316993)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
T2316993001	11	WA	ENTEROLERT/ QUANTI-TRAY	08/28/2023 11:20	08/28/2023 13:20	1	NA
T2316993002	Ambient 2	WA	ENTEROLERT/ QUANTI-TRAY	08/28/2023 11:30	08/28/2023 13:20	1	NA
T2316993003	12	WA	ENTEROLERT/ QUANTI-TRAY	08/28/2023 11:55	08/28/2023 13:20	1	NA
T2316993004	13	WA	ENTEROLERT/ QUANTI-TRAY	08/28/2023 11:40	08/28/2023 13:20	1	NA

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FINAL

Workorder: Hudson Pollution (T2316993)

Analytical Results Qualifiers

Parameter Qualifiers

- U The compound was analyzed for but not detected.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Lab Qualifiers

- T DOH Certification #E84589 (FL NELAC) AEL-Tampa

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Workorder: Hudson Pollution (T2316993)

Analytical Results

Lab ID: T2316993001
Sample ID: 11

Date Collected: 08/28/2023 11:20
Date Received: 08/28/2023 13:20

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	2400	MPN/100 mL	1.0	1.0	1	08/28/2023 14:28	08/28/2023 14:28	T

Certificate of Analysis

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Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

FINAL

Workorder: Hudson Pollution (T2316993)

Analytical Results

Lab ID: T2316993002
Sample ID: Ambient 2

Date Collected: 08/28/2023 11:30
Date Received: 08/28/2023 13:20

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	2400	MPN/100 mL	1.0	1.0	1	08/28/2023 14:28	08/28/2023 14:28	T

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FINAL

Workorder: Hudson Pollution (T2316993)

Analytical Results

Lab ID: T2316993003	Date Collected: 08/28/2023 11:55					Matrix: Water		
Sample ID: 12	Date Received: 08/28/2023 13:20							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	2400	MPN/100 ml	1.0	1.0	1	08/28/2023 14:28	08/28/2023 14:28	T





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FINAL

Workorder: Hudson Pollution (T2316993)

Analytical Results

Lab ID: T2316993004
Sample ID: 13

Date Collected: 08/28/2023 11:40
Date Received: 08/28/2023 13:20

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	2000	MPN/100 mL	1.0	1.0	1	08/28/2023 14:28	08/28/2023 14:28	T

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FINAL

Workorder: Hudson Pollution (T2316993)

QC Results

QC Batch: MICT/6720 Analysis Method: ENTEROLERT/ QUANTI-TRAY
Preparation Method: ENTEROLERT/ QUANTI-TRAY
Associated Lab IDs: T2316993001, T2316993002, T2316993003, T2316993004

Method Blank(4933151)

Parameter	Results	Units	PQL	MDL	Lab
Enterococcus	1.0 U	MPN/100 mL	1.0	1.0	T

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FINAL

Workorder: Hudson Pollution (T2316993)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
MICt/6720 - ENTEROLERT/ QUANTI-TRAY			
T2316993001	11		
T2316993002	Ambient 2		
T2316993003	12		
T2316993004	13		





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FINAL

Workorder: Hudson Pollution (T2316993)

Client Name: <u>Hudson Consulting</u>		Project Name: <u>Hudson Pollution</u>						
Address: <u>8306 Laurel Fair Circle</u>		Project Number: <u></u>						
Phone: <u>813-739-4949</u>		FDEP Facility No: <u></u>						
FAX: <u></u>		FDEP Facility Addr: <u></u>						
Contact: <u>Michael Grayware</u>		Special Instructions: <u></u>						
Sampled By: <u>Michael Grayware</u>		ADAPT						
Standard		EQUIS						
AEL Profile #:		Other						
SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING DATE TIME	MATRIX	NO. COUNT	ANALYSIS REQUIRED	BOTTLE SIZE & TYPE	LABORATORY I.D. NUMBER
11	<u>Amnicot 2</u>	<u>Grnd</u>	<u>8/28/23</u>	<u>11:20</u>	<u>SW</u>	<u>1</u>	<u>Enterococci</u>	<u>001</u>
12	<u>Amnicot 2</u>	<u>Grnd</u>	<u>8/28/23</u>	<u>11:30</u>	<u>SW</u>	<u>1</u>	<u>Enterococci</u>	<u>002</u>
13	<u>Amnicot 2</u>	<u>Grnd</u>	<u>8/28/23</u>	<u>11:55</u>	<u>SW</u>	<u>1</u>	<u>Enterococci</u>	<u>003</u>
	<u>Amnicot 2</u>	<u>Grnd</u>	<u>8/28/23</u>	<u>11:40</u>	<u>SW</u>	<u>1</u>	<u>Enterococci</u>	<u>004</u>

Matrix Code: WW=wastewater, SW=surface water, GW=ground water, DW=drinking water, MW=marine water,
O=oil, A=air, SO=soil, SL=sediment

Received on Ice ☒ Yes ☐ No Temp taken from sample ☐ Temp from blank ☒ Where required, pH checked ☐ Device used for measuring Temp by unique identifier (Circle R temp gun used) ☐ Temp when received (observed) 20 °C Temp when received (corrected) °C

Relinquished by: MLG Date: 8/28/23 Time: 13:20 Received by: MLG Date: 8/28/23 Time: 13:20

DCN: AD-D051wab Form last revised 07/26/2022

FOR DRINKING WATER USE:
(When PWS information not otherwise supplied) PWS ID:
Contact Person:
Supplier of Water:
Site Address:

Preservation Code: I=ice, H=HCl, S=H2SO4, N=HNO3, T=Sodium Thiosulfate,
AA=Ascorbic/HCl, AB=Ascorbic/NaOH

Barcode: * T 2 3 1 6 9 9 3 *





805 Pinnacle Drive, Suite M, Linthicum Heights, MD 21090

Fecal Host Quantification ID Test Results Report

Detection and quantification of the fecal host associated gene biomarker by quantitative Polymerase Chain Reaction (qPCR) DNA analytical technology

ND: Not Detected; DNQ: Detected, Not Quantifiable

ROQ: Detected, Quantifiable

Submitter: Flatwoods Consulting Group
Report Generated: August 16, 2023

[illegible]



805 Pinnacle Drive, Suite M, Linthicum Heights, MD 21090

Fecal Host Quantification ID Test Results Report

Sample Processing and Analysis Information

Submitter: Flatwoods Consulting Group

Report Generated: August 16, 2023

[illegible]

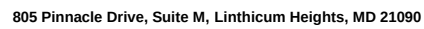
Reported Results Authorized By: Michael Witman, Lab Services Scientist

Results reported herein apply only to the sample matrices as received.

Results reported herein relate to the genetic material extracted from the sample matrix processed and included in the analysis.

Revision 2.2

Effective Date: 11/11/2021



qPCR Analysis QAQC information

[illegible]

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Revision 2.2
Effective Date: 11/11/2021

Laboratory Comments

Submitter: Flatwoods Consulting Group
Report Generated: August 16, 2023

Non-Detect (ND) Results

In sample(s) classified as non-detect, the host-associated fecal gene biomarker(s) was either not detected in test replicates, one replicate was detected at a cycle threshold greater than 35 and the other was not, or one replicate was detected at a cycle threshold less than 35 and the other was not after repeated analysis.

Detected Not Quantified (DNQ) Results

In sample(s) classified as Detected Not Quantified (DNQ), the host-associated fecal biomarker was detected in both test replicates but in quantities below the limit of quantification (LOQ, see below). This result indicates that fecal indicators associated with the respective host was present in the sample(s) but in low concentrations, and the confidence of such quantification will be lower than that declared by the definition of LOQ.

Quantifiable Results (ROQ)

Sample results are within the range of quantification of calibration curves (standard curves) of a validation qPCR method. For most qPCR assays, the range is 1E1 to 1E5 copies/reaction. Copy number measurements reported are relative, not absolute, quantification.

LOD (Limit of Detection, lower)

A general consensus was reached around the definition of the LOD as the lowest amount of analyte, which can be detected with more than a stated percentage of confidence (95%), but, not necessarily quantified as an exact value. It must be noted that LOD is not a limiting value and therefore, that Ct values below the LOD cannot automatically be considered as negative. From the definition of LOD, it is evident that values below LOD are absolutely valid in terms of microorganism presence. However, the probability of their repeated detection is lower than 95%.

LOQ (Limit of Quantification, lower)

The LOQ was defined as the smallest amount of analyte, which can be measured and quantified with defined precision and accuracy under the experimental conditions by the method under validation. Numerically, the LOQ is defined as the lowest concentration of analyte, which gives a predefined variability (coefficient of variation, CV) of under 25%.

Inhibition check

A 1:10 dilution of the original sample is analyzed together each time with the undiluted sample to evaluate the effect of PCR inhibition. If the sample is inhibited, where 1:10 dilution produces a high signal than undiluted sample, the 1:10 dilution results will be used for quantification. The use of 1:10 dilution sample results will be reflected in Analytical Volume(ul). For example, if the analytical volume for undiluted sample is 2ul, the analytical volume for 1:10 dilution will be 0.2ul.

Fecal Reference Samples

The client is encouraged to submit fecal samples from suspected sources in the surrounding area in order to gain a better understanding of the concentration of the host-associated biomarker with the regional population. A more precise interpretation would be available to the client with the submittal of such baseline samples.

Result Interpretations

The presence of the biomarker does not signify the presence or absence of that form of fecal pollution conclusively. The most reliable way to accurately test for contamination is to combine genetic testing with scientifically sound and adequate study design appropriate for the environmental quality questions to be answered or issues to be resolved.

Additional Testing

A portion of all samples has been frozen and will be archived for 3 months. The client is encouraged to perform additional tests on the sample(s) for other hosts suspected of contributing to the fecal contamination.

Qualification Assay Results (Detected/Non-Detected only)

Such results are only reported as Detected or Non-Detected without quantification. Non-Detected results are defined as stated above, and Detected results are defined as detected Ct in both replicate qPCR reactions.

Limitation of Damages – Repayment of Service Price

It is agreed that in the event of breach of any warranty or breach of contract, or negligence of LuminUltra Technologies Inc., as well as its agents or representatives, the liability of the company shall be limited to the repayment, to the purchaser (submitter), of the individual analysis price paid by him/her to LuminUltra Technologies Inc. The company shall not be liable for any damages, either direct or consequential. LuminUltra Technologies Inc. provides analytical services on a PRIME CONTRACT BASIS ONLY. Terms are available upon request. The sample(s) cited in this report may be used for research purposes after an archiving period of 3 months from the date of this report. Research includes, but is not limited to internal validation studies and peer-reviewed research publications. Anonymity of the sample(s), including the exact geographic location will be maintained by assigning an arbitrary internal reference. These anonymous samples will only be grouped by state / province of origin for research purposes. The client must contact LuminUltra Technologies Inc. in writing within 10 days from the date of this report if he/she does not wish for their submitted sample(s) to be used for any type of future research.

DNA Analytical Method Explanation

Water Samples: Each submitted water sample is filtered through 0.45 micron membrane filter(s). Each filter is placed in a separate, sterile 2ml disposable tube containing a unique mix of beads and lysis buffer. The sample is homogenized for and the DNA extracted per kit manufacturer's protocol. Deviations to these procedures may occur at the client's request.

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Amplifications to detect the target gene biomarker were run in a final reaction volume of 20ul sample extract, forward primer, reverse primer, probe and an optimized buffer. All assays are run in duplicate. Quantification is achieved by extrapolating target gene copy numbers from a standard curve generated from serial dilutions of known gene copy numbers.

For quality control purposes, a positive control and a negative control, were run alongside the sample(s) to ensure a properly functioning reaction and reveal any false negatives or false positives.



805 Pinnacle Drive, Suite M, Linthicum Heights, MD 21090

Fecal Host Quantification ID Test Results Report

Detection and quantification of the fecal host associated gene biomarker by quantitative Polymerase Chain Reaction (qPCR) DNA analytical technology

ND: Not Detected DNQ: Detected, Not Quantifiable

ROQ: Detected, Quantifiable

Submitter: Flatwoods Consulting Group
Report Generated: September 7, 2023

[illegible]

Reported Results Authorized By: Michael Witman, Lab Services Scientist

Results reported herein apply only to the sample matrices as received.

Results reported herein relate to the genetic material extracted from the sample matrix processed and included in the analysis.

Revision 2.2
Effective Date: 11/11/2021



805 Pinnacle Drive, Suite M, Linthicum Heights, MD 21090

Fecal Host Quantification ID Test Results Report

Sample Processing and Analysis Information

Submitter: Flatwoods Consulting Group

Report Generated: September 7, 2023

[illegible]

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Revision 2.2

Effective Date: 11/11/2021



qPCR Analysis QAQC information

Submitter: Flatwoods Consulting Group
Report Generated: September 7, 2023

[illegible]

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Revision 2.2

Effective Date: 11/11/2021

Laboratory Comments

Submitter: Flatwoods Consulting Group
Report Generated: September 7, 2023

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Fecal Host Quantification ID Test Results Report

Detection and quantification of the fecal host associated gene biomarker by quantitative Polymerase Chain Reaction (qPCR) DNA analytical technology

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ROQ: Detected, Quantifiable

Submitter: Flatwoods Consulting Group
Report Generated: September 11, 2023

[illegible]

Reported Results Authorized By: Michael Witman, Lab Services Scientist

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Revision 2.2

Effective Date: 11/11/2021



805 Pinnacle Drive, Suite M, Linthicum Heights, MD 21090

Fecal Host Quantification ID Test Results Report

Sample Processing and Analysis Information

Submitter: Flatwoods Consulting Group

Report Generated: September 11, 2023

[illegible]

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Revision 2.2

Effective Date: 11/11/2021



qPCR Analysis QAQC information

Submitter: Flatwoods Consulting Group
Report Generated: September 11, 2023

[illegible]

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For quality control purposes, a positive control and a negative control, were run alongside the sample(s) to ensure a properly functioning reaction and reveal any false negatives or false positives.

Work Orders: 3H03078

Project: Hudson Pollution

Attn: Michael Grzywacz

Client: Flatwoods Consulting Group Inc.
8306 Laurel Fair Circle, Suite 120
Tampa, FL 33610

Report Date: 9/29/2023

Received Date: 8/3/2023

Turnaround Time: Normal

Phones: (813) 600-5747

Fax: (888) 600-0514

P.O. #:

Billing Code:

ELAP-CA #1132 • EPA-UCMR #CA00211 • LACSD #10143

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Michael Grzywacz,

Enclosed are the results of analyses for samples received 8/03/23 with the Chain-of-Custody document. The samples were received in good condition, at 2.9 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:



Rahul R. Nair
Project Manager



Project Number: Hudson Pollution

Project Manager: Michael Grzywacz

Reported:
09/29/2023 11:48

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
10	Michael Grzywacz	3H03078-01	Water	08/02/23 09:14	
11	Michael Grzywacz	3H03078-02	Water	08/02/23 11:17	

Flatwoods Consulting Group Inc.
8306 Laurel Fair Circle, Suite 120
Tampa, FL 33610

Project Number: Hudson Pollution

Project Manager: Michael Grzywacz

Reported:
09/29/2023 11:48

Sample Results

Sample: 10 Sampled: 08/02/23 9:14 by Michael Grzywacz

3H03078-01 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
---------	--------	-----	-------	-----	----------	-----------

PPCPs - Isotope Dilution LCMSMS

Method: EPA 1694M

Instr: LCMS03

Batch ID: W3H1088

Preparation: _NONE (LC)

Prepared: 08/11/23 10:21

Analyst: jna

Acetaminophen	ND	5.0	ng/l	1	08/11/23	
---------------	----	-----	------	---	----------	--

Surrogate(s)

Acetaminophen-d4	140%	Conc: 4190	20-500		08/11/23	
------------------	------	------------	--------	--	----------	--

Sample Results

Sample: 11 Sampled: 08/02/23 11:17 by Michael Grzywacz

3H03078-02 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
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PPCPs - Isotope Dilution LCMSMS

Method: EPA 1694M

Instr: LCMS03

Batch ID: W3H1088

Preparation: _NONE (LC)

Prepared: 08/11/23 10:21

Analyst: jna

Acetaminophen	ND	5.0	ng/l	1	08/11/23	
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Surrogate(s)

Acetaminophen-d4	142%	Conc: 4270	20-500		08/11/23	
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Flatwoods Consulting Group Inc.
8306 Laurel Fair Circle, Suite 120
Tampa, FL 33610

Project Number: Hudson Pollution

Project Manager: Michael Grzywacz

Reported:
09/29/2023 11:48

Quality Control Results

PPCPs - Isotope Dilution LCMSMS

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	Limit	Qualifier
Batch: W3H1088 - EPA 1694M										
Blank (W3H1088-BLK1)				Prepared & Analyzed: 08/11/23						
Acetaminophen	ND	5.0	ng/l							
Amoxicillin	ND	20	ng/l							
Atenolol	ND	4.0	ng/l							
Atorvastatin	ND	4.0	ng/l							
Caffeine	ND	4.0	ng/l							
Carbamazepine	ND	4.0	ng/l							
Cotinine	ND	8.0	ng/l							
DEET	ND	4.0	ng/l							
Diazepam	ND	4.0	ng/l							
Fluoxetine	ND	4.0	ng/l							
Meprobamate	ND	4.0	ng/l							
Methadone	ND	4.0	ng/l							
Morphine	ND	8.0	ng/l							
Quinoline	ND	4.0	ng/l							
Sulfamethoxazole	ND	4.0	ng/l							
TCEP	ND	10	ng/l							
TCPP	ND	50	ng/l							
Trimethoprim	ND	4.0	ng/l							
<i>Surrogate(s)</i>										
Acetaminophen-d4	2700		ng/l	3000		90	20-500			
Amoxicillin-d4	5520		ng/l	5000		110	20-500			
Atenolol-d7	444		ng/l	400		111	20-500			
Caffeine-13C3	244		ng/l	200		122	20-500			
Carbamazepine- 13C2, d2	36.3		ng/l	40.0		91	20-500			
Cotinine-d3	224		ng/l	200		112	20-500			
DEET-d7	18.9		ng/l	20.0		94	20-500			
Diazepam-d5	2050		ng/l	2000		102	20-500			
Erythromycin-13C-d3	218		ng/l	200		109	20-500			
Fluoxetine-d5	190		ng/l	200		95	20-500			
Methadone-d3	38.9		ng/l	40.0		97	20-500			
Morphine-d6	3260		ng/l	3000		109	20-500			
Sulfamethoxazole-d4	202		ng/l	200		101	20-500			
TCEP-d12	357		ng/l	400		89	20-500			
TCPP-d18	1880		ng/l	2000		94	20-500			
Trimethoprim-d9	205		ng/l	200		102	20-500			
Blank (W3H1088-BLK2)				Prepared: 08/11/23 Analyzed: 08/14/23						
Acetaminophen	ND	5.0	ng/l							QC-2
Amoxicillin	ND	20	ng/l							QC-2
Caffeine	ND	4.0	ng/l							QC-2

Flatwoods Consulting Group Inc.
8306 Laurel Fair Circle, Suite 120
Tampa, FL 33610

Project Number: Hudson Pollution

Project Manager: Michael Grzywacz

Reported:
09/29/2023 11:48

Quality Control Results

(Continued)

PPCPs - Isotope Dilution LCMSMS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	Limit	Qualifier
Batch: W3H1088 - EPA 1694M (Continued)										
Blank (W3H1088-BLK2)				Prepared: 08/11/23 Analyzed: 08/14/23						
DEET	ND	4.0	ng/l							QC-2
Sulfamethoxazole	ND	4.0	ng/l							QC-2
<i>Surrogate(s)</i>										
Acetaminophen-d4	3010		ng/l	3000		100	20-500			QC-2
Amoxicillin-d4	4340		ng/l	5000		87	20-500			QC-2
Caffeine-13C3	255		ng/l	200		128	20-500			QC-2
DEET-d7	20.0		ng/l	20.0		100	20-500			QC-2
Sulfamethoxazole-d4	167		ng/l	200		83	20-500			QC-2
LCS (W3H1088-B51)				Prepared & Analyzed: 08/11/23						
Acetaminophen	44.0	5.0	ng/l	50.0		88	50-150			
Amoxicillin	250	20	ng/l	200		125	50-150			
Atenolol	37.0	4.0	ng/l	40.0		92	50-150			
Atorvastatin	39.6	4.0	ng/l	40.0		99	50-150			
Caffeine	41.5	4.0	ng/l	40.0		104	50-150			
Carbamazepine	38.2	4.0	ng/l	40.0		96	50-150			
Cotinine	76.8	8.0	ng/l	80.0		96	50-150			
DEET	37.8	4.0	ng/l	40.0		94	50-150			
Diazepam	45.7	4.0	ng/l	40.0		114	50-150			
Fluoxetine	43.6	4.0	ng/l	40.0		109	50-150			
Meprobamate	40.5	4.0	ng/l	40.0		101	50-150			
Methadone	35.3	4.0	ng/l	40.0		88	50-150			
Morphine	82.2	8.0	ng/l	80.0		103	50-150			
Quinoline	42.0	4.0	ng/l	40.0		105	50-150			
Sulfamethoxazole	39.8	4.0	ng/l	40.0		99	50-150			
TCEP	101	10	ng/l	100		101	50-150			
TCPP	466	50	ng/l	500		93	50-150			
Trimethoprim	36.3	4.0	ng/l	40.0		91	50-150			
<i>Surrogate(s)</i>										
Acetaminophen-d4	3060		ng/l	3000		102	20-500			
Amoxicillin-d4	5390		ng/l	5000		108	20-500			
Atenolol-d7	391		ng/l	400		98	20-500			
Caffeine-13C3	229		ng/l	200		115	20-500			
Carbamazepine- 13C2, d2	31.2		ng/l	40.0		78	20-500			
Cotinine-d3	205		ng/l	200		103	20-500			
DEET-d7	21.3		ng/l	20.0		106	20-500			
Diazepam-d5	1850		ng/l	2000		92	20-500			
Erythromycin-13C-d3	217		ng/l	200		108	20-500			
Fluoxetine-d5	207		ng/l	200		103	20-500			
Methadone-d3	43.1		ng/l	40.0		108	20-500			

Flatwoods Consulting Group Inc.
8306 Laurel Fair Circle, Suite 120
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Project Number: Hudson Pollution

Project Manager: Michael Grzywacz

Reported:
09/29/2023 11:48

Quality Control Results

(Continued)

PPCPs - Isotope Dilution LCMSMS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	Limit	Qualifier
Batch: W3H1088 - EPA 1694M (Continued)										
LCS (W3H1088-BS1)				Prepared & Analyzed: 08/11/23						
Surrogate(s)										
Morphine-d6	2760		ng/l	3000		92	20-500			
Sulfamethoxazole-d4	182		ng/l	200		91	20-500			
TCEP-d12	284		ng/l	400		71	20-500			
TCPP-d18	1800		ng/l	2000		90	20-500			
Trimethoprim-d9	207		ng/l	200		103	20-500			
LCS (W3H1088-BS2)				Prepared: 08/11/23 Analyzed: 08/14/23						
Acetaminophen	44.9	5.0	ng/l	50.0		90	50-150			QC-2
Amoxicillin	210	20	ng/l	200		105	50-150			QC-2
Caffeine	40.2	4.0	ng/l	40.0		100	50-150			QC-2
DEET	41.9	4.0	ng/l	40.0		105	50-150			QC-2
Sulfamethoxazole	37.0	4.0	ng/l	40.0		92	50-150			QC-2
Surrogate(s)										
Acetaminophen-d4	3010		ng/l	3000		100	20-500			QC-2
Amoxicillin-d4	4630		ng/l	5000		93	20-500			QC-2
Caffeine-13C3	262		ng/l	200		131	20-500			QC-2
DEET-d7	18.9		ng/l	20.0		95	20-500			QC-2
Sulfamethoxazole-d4	169		ng/l	200		85	20-500			QC-2
Matrix Spike (W3H1088-MS1)				Source: 3H02143-01			Prepared & Analyzed: 08/11/23			
Acetaminophen	43.4	5.0	ng/l	50.0	ND	87	50-150			
Amoxicillin	136	20	ng/l	200	ND	68	50-150			
Atenolol	41.7	4.0	ng/l	40.0	4.22	94	50-150			
Atorvastatin	42.9	4.0	ng/l	40.0	ND	107	50-150			
Caffeine	40.8	4.0	ng/l	40.0	ND	102	50-150			
Carbamazepine	41.4	4.0	ng/l	40.0	ND	103	50-150			
Cotinine	84.2	8.0	ng/l	80.0	ND	105	50-150			
DEET	38.3	4.0	ng/l	40.0	ND	96	50-150			
Diazepam	39.1	4.0	ng/l	40.0	ND	98	50-150			
Fluoxetine	42.2	4.0	ng/l	40.0	ND	105	50-150			
Hydrocodone	763	80	ng/l	800	ND	95	50-150			
Meprobamate	48.3	4.0	ng/l	40.0	ND	121	50-150			
Methadone	37.9	4.0	ng/l	40.0	ND	95	50-150			
Morphine	73.6	8.0	ng/l	80.0	ND	92	50-150			
Quinoline	44.2	4.0	ng/l	40.0	ND	110	50-150			
Sulfamethoxazole	43.3	4.0	ng/l	40.0	ND	108	50-150			
TCEP	77.4	10	ng/l	100	ND	77	50-150			
TCPP	490	50	ng/l	500	ND	98	50-150			
Trimethoprim	43.9	4.0	ng/l	40.0	6.47	94	50-150			
Surrogate(s)										
Acetaminophen-d4	3950		ng/l	3000		132	20-500			

3H03078

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Flatwoods Consulting Group Inc.
8306 Laurel Fair Circle, Suite 120
Tampa, FL 33610

Project Number: Hudson Pollution

Project Manager: Michael Grzywacz

Reported:
09/29/2023 11:48

Quality Control Results

(Continued)

PPCPs - Isotope Dilution LCMSMS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	Limit	Qualifier
Batch: W3H1088 - EPA 1694M (Continued)										
Matrix Spike (W3H1088-MS1)		Source: 3H02143-01			Prepared & Analyzed: 08/11/23					
Surrogate(s)										
Amoxicillin-d4	9720		ng/l	5000		194	20-500			
Atenolol-d7	304		ng/l	400		76	20-500			
Caffeine-13C3	238		ng/l	200		119	20-500			
Carbamazepine- 13C2, d2	35.0		ng/l	40.0		88	20-500			
Cotinine-d3	151		ng/l	200		76	20-500			
DEET-d7	22.2		ng/l	20.0		111	20-500			
Diazepam-d5	2060		ng/l	2000		103	20-500			
Erythromycin-13C-d3	226		ng/l	200		113	20-500			
Fluoxetine-d5	197		ng/l	200		99	20-500			
Methadone-d3	38.7		ng/l	40.0		97	20-500			
Morphine-d6	2720		ng/l	3000		91	20-500			
Sulfamethoxazole-d4	114		ng/l	200		57	20-500			
TCEP-d12	408		ng/l	400		102	20-500			
TCPP-d18	1930		ng/l	2000		97	20-500			
Trimethoprim-d9	201		ng/l	200		100	20-500			
Matrix Spike Dup (W3H1088-MSD1)		Source: 3H02143-01			Prepared & Analyzed: 08/11/23					
Acetaminophen	44.2	5.0	ng/l	50.0	ND	88	50-150	2	30	R-02
Amoxicillin	213	20	ng/l	200	ND	107	50-150	44	30	
Atenolol	40.6	4.0	ng/l	40.0	4.22	91	50-150	3	30	
Atorvastatin	42.3	4.0	ng/l	40.0	ND	106	50-150	1	30	
Caffeine	38.7	4.0	ng/l	40.0	ND	97	50-150	5	30	
Carbamazepine	39.4	4.0	ng/l	40.0	ND	99	50-150	5	30	
Cotinine	78.6	8.0	ng/l	80.0	ND	98	50-150	7	30	
DEET	38.6	4.0	ng/l	40.0	ND	97	50-150	0.8	30	
Diazepam	44.6	4.0	ng/l	40.0	ND	111	50-150	13	30	
Fluoxetine	43.1	4.0	ng/l	40.0	ND	108	50-150	2	30	
Meprobamate	54.9	4.0	ng/l	40.0	ND	137	50-150	13	30	
Methadone	36.7	4.0	ng/l	40.0	ND	92	50-150	3	30	
Morphine	67.0	8.0	ng/l	80.0	ND	84	50-150	9	30	
Quinoline	33.4	4.0	ng/l	40.0	ND	83	50-150	28	30	
Sulfamethoxazole	39.4	4.0	ng/l	40.0	ND	98	50-150	9	30	
TCEP	106	10	ng/l	100	ND	106	50-150	31	30	R-02
TCPP	466	50	ng/l	500	ND	93	50-150	5	30	
Trimethoprim	42.5	4.0	ng/l	40.0	6.47	90	50-150	3	30	
Surrogate(s)										
Acetaminophen-d4	4150		ng/l	3000		138	20-500			
Amoxicillin-d4	11300		ng/l	5000		225	20-500			
Atenolol-d7	289		ng/l	400		72	20-500			

Flatwoods Consulting Group Inc.
8306 Laurel Fair Circle, Suite 120
Tampa, FL 33610

Project Number: Hudson Pollution

Project Manager: Michael Grzywacz

Reported:
09/29/2023 11:48

Quality Control Results

(Continued)

PPCPs - Isotope Dilution LCMSMS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	Limit	Qualifier
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Batch: W3H1088 - EPA 1694M (Continued)

Matrix Spike Dup (W3H1088-MSD1)

Source: 3H02143-01

Prepared & Analyzed: 08/11/23

Surrogate(s)

Caffeine-13C3	244	ng/l	200	122	20-500
Carbamazepine- 13C2, d2	35.6	ng/l	40.0	89	20-500
Cotinine-d3	161	ng/l	200	80	20-500
DEET-d7	22.5	ng/l	20.0	113	20-500
Diazepam-d5	1910	ng/l	2000	95	20-500
Erythromycin-13C-d3	223	ng/l	200	111	20-500
Fluoxetine-d5	200	ng/l	200	100	20-500
Methadone-d3	41.7	ng/l	40.0	104	20-500
Morphine-d6	2750	ng/l	3000	92	20-500
Sulfamethoxazole-d4	144	ng/l	200	72	20-500
TCEP-d12	380	ng/l	400	95	20-500
TCPD-d18	1950	ng/l	2000	98	20-500
Trimethoprim-d9	197	ng/l	200	99	20-500

Project Number: Hudson Pollution

Project Manager: Michael Grzywacz

Reported:
09/29/2023 11:48

Notes and Definitions

Item	Definition
QC-2	This QC sample was reanalyzed to complement samples that require re-analysis on different date. See analysis date.
R-02	The RPD was outside of QC acceptance limits due to possible matrix interference.
%REC	Percent Recovery
Dil	Dilution
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.

Work Orders: 3H09081

Project: Hudson Pollution

Attn: Michael Grzywacz

Client: Flatwoods Consulting Group Inc.
8306 Laurel Fair Circle, Suite 120
Tampa, FL 33610

Report Date: 9/29/2023

Received Date: 8/9/2023

Turnaround Time: Normal

Phones: (813) 600-5747

Fax: (888) 600-0514

P.O. #:

Billing Code:

ELAP-CA #1132 • EPA-UCMR #CA00211 • LACSD #10143

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Michael Grzywacz,

Enclosed are the results of analyses for samples received 8/09/23 with the Chain-of-Custody document. The samples were received in good condition, at 5.3 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:



Rahul R. Nair
Project Manager



Project Number: Hudson Pollution

Project Manager: Michael Grzywacz

Reported:
09/29/2023 11:50

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
10	Michael Grzywacz	3H09081-01	Water	08/08/23 10:18	
12	Michael Grzywacz	3H09081-02	Water	08/08/23 12:21	
13	Michael Grzywacz	3H09081-03	Water	08/08/23 12:32	

Project Number: Hudson Pollution

Project Manager: Michael Grzywacz

Reported:
09/29/2023 11:50

Sample Results

Sample: 10
3H09081-01 (Water) Sampled: 08/08/23 10:18 by Michael Grzywacz

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
PPCPs - Isotope Dilution LCMSMS						
Method: EPA 1694M		Instr: LCMS03				
Batch ID: W3H1089	Preparation: _NONE (LC)	Prepared: 08/11/23 10:33		Analyst: jna		
Acetaminophen	ND	5.0	ng/l	1	08/12/23	
<i>Surrogate(s)</i>						
Acetaminophen-d4	132%	Conc: 3970	20-500		08/12/23	

Sample Results

Sample: 12
3H09081-02 (Water) Sampled: 08/08/23 12:21 by Michael Grzywacz

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
PPCPs - Isotope Dilution LCMSMS						
Method: EPA 1694M		Instr: LCMS03				
Batch ID: W3H1089	Preparation: _NONE (LC)	Prepared: 08/11/23 10:33		Analyst: jna		
Acetaminophen	32	5.0	ng/l	1	08/12/23	
<i>Surrogate(s)</i>						
Acetaminophen-d4	138%	Conc: 4140	20-500		08/12/23	

Sample Results

Sample: 13
3H09081-03 (Water) Sampled: 08/08/23 12:32 by Michael Grzywacz

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
PPCPs - Isotope Dilution LCMSMS						
Method: EPA 1694M		Instr: LCMS03				
Batch ID: W3H1089	Preparation: _NONE (LC)	Prepared: 08/11/23 10:33		Analyst: jna		
Acetaminophen	25	5.0	ng/l	1	08/12/23	
<i>Surrogate(s)</i>						
Acetaminophen-d4	145%	Conc: 4360	20-500		08/12/23	

Flatwoods Consulting Group Inc.
8306 Laurel Fair Circle, Suite 120
Tampa, FL 33610

Project Number: Hudson Pollution

Project Manager: Michael Grzywacz

Reported:
09/29/2023 11:50

Quality Control Results

PPCPs - Isotope Dilution LCMSMS

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	Limit	Qualifier
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Batch: W3H1089 - EPA 1694M

Blank (W3H1089-BLK1)

Prepared: 08/11/23 Analyzed: 08/12/23

Acesulfame K (as Acesulfame)	ND	20	ng/l
Acetaminophen	ND	5.0	ng/l
Albuterol	ND	5.0	ng/l
Amoxicillin	ND	20	ng/l
Atenolol	ND	4.0	ng/l
Atorvastatin	ND	4.0	ng/l
Caffeine	ND	4.0	ng/l
Carbadox	ND	10	ng/l
Carbamazepine	ND	4.0	ng/l
Codeine	ND	80	ng/l
Cotinine	ND	8.0	ng/l
DEET	ND	4.0	ng/l
Diazepam	ND	4.0	ng/l
Diltiazem	ND	4.0	ng/l
Erythromycin	ND	5.0	ng/l
Fluoxetine	ND	4.0	ng/l
Hydrocodone	ND	80	ng/l
Lincomycin	ND	4.0	ng/l
Meprobamate	ND	4.0	ng/l
Methadone	ND	4.0	ng/l
Morphine	ND	8.0	ng/l
Oxybenzone	ND	4.0	ng/l
Praziquantel	ND	4.0	ng/l
Propranolol	ND	4.0	ng/l
Quinoline	ND	4.0	ng/l
Sulfamethoxazole	ND	4.0	ng/l
TCEP	ND	10	ng/l
TCPP	ND	50	ng/l
Trimethoprim	ND	4.0	ng/l

Surrogate(s)

Acetaminophen-d4	2810	ng/l	3000	94	20-500
Amoxicillin-d4	4610	ng/l	5000	92	20-500
Atenolol-d7	427	ng/l	400	107	20-500
Caffeine-13C3	205	ng/l	200	102	20-500
Carbamazepine- 13C2, d2	33.2	ng/l	40.0	83	20-500
Codeine-d3	274	ng/l	300	91	20-500
Cotinine-d3	217	ng/l	200	108	20-500
DEET-d7	24.4	ng/l	20.0	122	20-500
Diazepam-d5	2330	ng/l	2000	117	20-500

Flatwoods Consulting Group Inc.
8306 Laurel Fair Circle, Suite 120
Tampa, FL 33610

Project Number: Hudson Pollution

Project Manager: Michael Grzywacz

Reported:
09/29/2023 11:50

Quality Control Results

(Continued)

PPCPs - Isotope Dilution LCMSMS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	Limit	Qualifier
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Batch: W3H1089 - EPA 1694M (Continued)

Blank (W3H1089-BLK1)

Prepared: 08/11/23 Analyzed: 08/12/23

Surrogate(s)

Diltiazem-D6	237		ng/l	200		119	20-500			
Erythromycin-13C-d3	214		ng/l	200		107	20-500			
Fluoxetine-d5	170		ng/l	200		85	20-500			
Hydrocodone-d3	298		ng/l	300		99	20-500			
Methadone-d3	34.1		ng/l	40.0		85	20-500			
Morphine-d6	2640		ng/l	3000		88	20-500			
Propranolol-D7	164		ng/l	200		82	20-500			
Sulfamethoxazole-d4	100		ng/l	200		50	20-500			
TCEP-d12	311		ng/l	400		78	20-500			
TCPP-d18	2140		ng/l	2000		107	20-500			
Trimethoprim-d9	201		ng/l	200		101	20-500			

Blank (W3H1089-BLK2)

Prepared: 08/11/23 Analyzed: 08/14/23

Acetaminophen	ND	5.0	ng/l							QC-2
Caffeine	ND	4.0	ng/l							QC-2
Sulfamethoxazole	ND	4.0	ng/l							QC-2

Surrogate(s)

Acetaminophen-d4	3010		ng/l	3000		100	20-500			QC-2
Caffeine-13C3	261		ng/l	200		130	20-500			QC-2
Sulfamethoxazole-d4	148		ng/l	200		74	20-500			QC-2

LCS (W3H1089-BS1)

Prepared: 08/11/23 Analyzed: 08/12/23

Acetaminophen	49.9	5.0	ng/l	50.0		100	50-150			
Albuterol	47.5	5.0	ng/l	50.0		95	50-150			
Amoxicillin	257	20	ng/l	200		129	50-150			
Atenolol	36.2	4.0	ng/l	40.0		91	50-150			
Atorvastatin	39.4	4.0	ng/l	40.0		99	50-150			
Caffeine	37.1	4.0	ng/l	40.0		93	50-150			
Carbadox	92.6	10	ng/l	100		93	50-150			
Carbamazepine	42.6	4.0	ng/l	40.0		106	50-150			
Codeine	758	80	ng/l	800		95	50-150			
Cotinine	79.9	8.0	ng/l	80.0		100	50-150			
DEET	38.8	4.0	ng/l	40.0		97	50-150			
Diazepam	35.4	4.0	ng/l	40.0		89	50-150			
Diltiazem	39.5	4.0	ng/l	40.0		99	50-150			
Erythromycin	38.7	5.0	ng/l	50.0		77	50-150			
Fluoxetine	43.0	4.0	ng/l	40.0		108	50-150			
Hydrocodone	731	80	ng/l	800		91	50-150			
Lincomycin	55.2	4.0	ng/l	40.0		138	50-150			
Meprobamate	41.6	4.0	ng/l	40.0		104	50-150			

Flatwoods Consulting Group Inc.
8306 Laurel Fair Circle, Suite 120
Tampa, FL 33610

Project Number: Hudson Pollution

Project Manager: Michael Grzywacz

Reported:
09/29/2023 11:50

Quality Control Results

(Continued)

PPCPs - Isotope Dilution LCMSMS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	Limit	Qualifier
Batch: W3H1089 - EPA 1694M (Continued)										
LCS (W3H1089-BS1)				Prepared: 08/11/23 Analyzed: 08/12/23						
Methadone	40.3	4.0	ng/l	40.0		101	50-150			
Morphine	83.1	8.0	ng/l	80.0		104	50-150			
Oxybenzone	37.2	4.0	ng/l	40.0		93	50-150			
Praziquantel	33.5	4.0	ng/l	40.0		84	50-150			
Quinoline	37.0	4.0	ng/l	40.0		93	50-150			
Sulfamethoxazole	39.4	4.0	ng/l	40.0		99	50-150			
TCEP	97.2	10	ng/l	100		97	50-150			
TCPP	415	50	ng/l	500		83	50-150			
Trimethoprim	37.7	4.0	ng/l	40.0		94	50-150			
<i>Surrogate(s)</i>										
Acetaminophen-d4	3000		ng/l	3000		100	20-500			
Amoxicillin-d4	4980		ng/l	5000		100	20-500			
Atenolol-d7	400		ng/l	400		100	20-500			
Caffeine-13C3	196		ng/l	200		98	20-500			
Carbamazepine- 13C2, d2	31.7		ng/l	40.0		79	20-500			
Cotinine-d3	216		ng/l	200		108	20-500			
DEET-d7	21.2		ng/l	20.0		106	20-500			
Diazepam-d5	2310		ng/l	2000		116	20-500			
Fluoxetine-d5	174		ng/l	200		87	20-500			
Methadone-d3	34.4		ng/l	40.0		86	20-500			
Sulfamethoxazole-d4	111		ng/l	200		55	20-500			
TCEP-d12	357		ng/l	400		89	20-500			
TCPP-d18	2060		ng/l	2000		103	20-500			
Trimethoprim-d9	194		ng/l	200		97	20-500			
LCS (W3H1089-BS2)				Prepared: 08/11/23 Analyzed: 08/14/23						
Acetaminophen	44.7	5.0	ng/l	50.0		89	50-150			QC-2
Caffeine	38.7	4.0	ng/l	40.0		97	50-150			QC-2
Sulfamethoxazole	37.9	4.0	ng/l	40.0		95	50-150			QC-2
<i>Surrogate(s)</i>										
Acetaminophen-d4	2920		ng/l	3000		97	20-500			QC-2
Caffeine-13C3	247		ng/l	200		123	20-500			QC-2
Sulfamethoxazole-d4	112		ng/l	200		56	20-500			QC-2
Matrix Spike (W3H1089-MS1)				Source: 3G05004-02 Prepared: 08/11/23 Analyzed: 08/12/23						
Acetaminophen	49.8	5.0	ng/l	50.0	ND	100	50-150			
Amoxicillin	504	20	ng/l	200	ND	252	50-150			MS-01
Atenolol	134	4.0	ng/l	40.0	101	81	50-150			
Atorvastatin	37.3	4.0	ng/l	40.0	ND	93	50-150			
Caffeine	43.5	4.0	ng/l	40.0	13.8	74	50-150			
Carbamazepine	158	4.0	ng/l	40.0	111	118	50-150			

Flatwoods Consulting Group Inc.
8306 Laurel Fair Circle, Suite 120
Tampa, FL 33610

Project Number: Hudson Pollution

Project Manager: Michael Grzywacz

Reported:
09/29/2023 11:50

Quality Control Results

(Continued)

PPCPs - Isotope Dilution LCMSMS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	Limit	Qualifier
Batch: W3H1089 - EPA 1694M (Continued)										
Matrix Spike (W3H1089-MS1)			Source: 3G05004-02		Prepared: 08/11/23 Analyzed: 08/12/23					
Cotinine	95.9	8.0	ng/l	80.0	20.5	94	50-150			
DEET	120	4.0	ng/l	40.0	98.8	53	50-150			
Diazepam	41.9	4.0	ng/l	40.0	ND	105	50-150			
Fluoxetine	74.2	4.0	ng/l	40.0	33.3	102	50-150			
Meprobamate	68.4	4.0	ng/l	40.0	39.3	73	50-150			
Methadone	37.5	4.0	ng/l	40.0	ND	94	50-150			
Sulfamethoxazole	37.8	4.0	ng/l	40.0	ND	94	50-150			
TCEP	191	10	ng/l	100	105	86	50-150			
TCPP	1600	50	ng/l	500	1040	113	50-150			
Trimethoprim	36.7	4.0	ng/l	40.0	ND	92	50-150			
<i>Surrogate(s)</i>										
Acetaminophen-d4	2810		ng/l	3000		94	20-500			
Amoxicillin-d4	3850		ng/l	5000		77	20-500			
Atenolol-d7	427		ng/l	400		107	20-500			
Caffeine-13C3	280		ng/l	200		140	20-500			
Carbamazepine- 13C2, d2	28.7		ng/l	40.0		72	20-500			
Cotinine-d3	193		ng/l	200		97	20-500			
DEET-d7	22.7		ng/l	20.0		113	20-500			
Diazepam-d5	1840		ng/l	2000		92	20-500			
Fluoxetine-d5	190		ng/l	200		95	20-500			
Methadone-d3	43.2		ng/l	40.0		108	20-500			
Sulfamethoxazole-d4	115		ng/l	200		57	20-500			
TCEP-d12	280		ng/l	400		70	20-500			
TCPP-d18	1580		ng/l	2000		79	20-500			
Trimethoprim-d9	234		ng/l	200		117	20-500			
Matrix Spike Dup (W3H1089-MSD1)			Source: 3G05004-02		Prepared: 08/11/23 Analyzed: 08/12/23					
Acetaminophen	55.4	5.0	ng/l	50.0	ND	111	50-150	11	30	MS-01
Amoxicillin	381	20	ng/l	200	ND	190	50-150	28	30	
Atenolol	133	4.0	ng/l	40.0	101	80	50-150	0.3	30	
Atorvastatin	36.6	4.0	ng/l	40.0	ND	92	50-150	2	30	
Caffeine	43.6	4.0	ng/l	40.0	13.8	74	50-150	0.1	30	
Carbamazepine	136	4.0	ng/l	40.0	111	62	50-150	15	30	
Cotinine	99.4	8.0	ng/l	80.0	20.5	99	50-150	4	30	
DEET	122	4.0	ng/l	40.0	98.8	59	50-150	2	30	
Diazepam	38.3	4.0	ng/l	40.0	ND	96	50-150	9	30	
Fluoxetine	77.7	4.0	ng/l	40.0	33.3	111	50-150	5	30	
Meprobamate	60.1	4.0	ng/l	40.0	39.3	52	50-150	13	30	
Methadone	38.2	4.0	ng/l	40.0	ND	95	50-150	2	30	
Morphine	64.6	8.0	ng/l	80.0	ND	81	50-150	2	30	

Flatwoods Consulting Group Inc.
8306 Laurel Fair Circle, Suite 120
Tampa, FL 33610

Project Number: Hudson Pollution

Project Manager: Michael Grzywacz

Reported:
09/29/2023 11:50

Quality Control Results

(Continued)

PPCPs - Isotope Dilution LCMSMS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	Limit	Qualifier
Batch: W3H1089 - EPA 1694M (Continued)										
Matrix Spike Dup (W3H1089-MSD1)			Source: 3G05004-02		Prepared: 08/11/23 Analyzed: 08/12/23					
Sulfamethoxazole	40.2	4.0	ng/l	40.0	ND	101	50-150	6	30	
TCEP	205	10	ng/l	100	105	101	50-150	7	30	
TCPP	1410	50	ng/l	500	1040	76	50-150	12	30	
Trimethoprim	36.9	4.0	ng/l	40.0	ND	92	50-150	0.6	30	
<i>Surrogate(s)</i>										
Acetaminophen-d4	2810		ng/l	3000		94	20-500			
Amoxicillin-d4	3410		ng/l	5000		68	20-500			
Atenolol-d7	427		ng/l	400		107	20-500			
Caffeine-13C3	266		ng/l	200		133	20-500			
Carbamazepine- 13C2, d2	31.3		ng/l	40.0		78	20-500			
Cotinine-d3	184		ng/l	200		92	20-500			
DEET-d7	22.8		ng/l	20.0		114	20-500			
Diazepam-d5	2010		ng/l	2000		100	20-500			
Fluoxetine-d5	180		ng/l	200		90	20-500			
Methadone-d3	39.6		ng/l	40.0		99	20-500			
Sulfamethoxazole-d4	132		ng/l	200		66	20-500			
TCEP-d12	300		ng/l	400		75	20-500			
TCPP-d18	1700		ng/l	2000		85	20-500			
Trimethoprim-d9	229		ng/l	200		115	20-500			

Project Number: Hudson Pollution

Project Manager: Michael Grzywacz

Reported:
09/29/2023 11:50

Notes and Definitions

Item	Definition
MS-01	The spike recovery for this QC sample is outside of established control limits possibly due to sample matrix interference.
QC-2	This QC sample was reanalyzed to complement samples that require re-analysis on different date. See analysis date.
%REC	Percent Recovery
Dil	Dilution
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.

Work Orders: 3H23065

Project: Hudson Pollution

Attn: Michael Grzywacz

Client: Flatwoods Consulting Group Inc.
8306 Laurel Fair Circle, Suite 120
Tampa, FL 33610

Report Date: 9/29/2023

Received Date: 8/23/2023

Turnaround Time: Normal

Phones: (813) 600-5747

Fax: (888) 600-0514

P.O. #:

Billing Code:

ELAP-CA #1132 • EPA-UCMR #CA00211 • LACSD #10143

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Michael Grzywacz,

Enclosed are the results of analyses for samples received 8/23/23 with the Chain-of-Custody document. The samples were received in good condition, at 2.1 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:



Rahul R. Nair
Project Manager



Project Number: Hudson Pollution

Project Manager: Michael Grzywacz

Reported:
09/29/2023 11:58

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
10	Michael Grzywacz	3H23065-01	Water	08/21/23 09:05	
Ambient 2	Michael Grzywacz	3H23065-02	Water	08/21/23 08:59	
Ambient 3	Michael Grzywacz	3H23065-03	Water	08/21/23 08:15	
4	Michael Grzywacz	3H23065-04	Water	08/21/23 09:34	
5	Michael Grzywacz	3H23065-05	Water	08/21/23 10:21	
Ambient 5	Michael Grzywacz	3H23065-06	Water	08/21/23 10:47	
12	Michael Grzywacz	3H23065-07	Water	08/21/23 11:30	
Ambient 6	Michael Grzywacz	3H23065-08	Water	08/21/23 10:41	
Ambient 1	Michael Grzywacz	3H23065-09	Water	08/21/23 09:17	
13	Michael Grzywacz	3H23065-10	Water	08/21/23 11:20	

Flatwoods Consulting Group Inc.
8306 Laurel Fair Circle, Suite 120
Tampa, FL 33610

Project Number: Hudson Pollution

Project Manager: Michael Grzywacz

Reported:
09/29/2023 11:58

Sample Results

Sample: 10
3H23065-01 (Water) Sampled: 08/21/23 9:05 by Michael Grzywacz

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
PPCPs - Isotope Dilution LCMSMS						
Method: EPA 1694M		Instr: LCMS03				
Batch ID: W3H2213	Preparation: _NONE (LC)	Prepared: 08/24/23 12:59		Analyst: jna		
Acetaminophen	ND	5.0	ng/l	1	08/27/23	
<i>Surrogate(s)</i>						
Acetaminophen-d4	164%	Conc: 4910	20-500		08/27/23	

Sample Results

Sample: Ambient 2
3H23065-02 (Water) Sampled: 08/21/23 8:59 by Michael Grzywacz

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
PPCPs - Isotope Dilution LCMSMS						
Method: EPA 1694M		Instr: LCMS03				
Batch ID: W3H2213	Preparation: _NONE (LC)	Prepared: 08/24/23 12:59		Analyst: jna		
Acetaminophen	ND	5.0	ng/l	1	08/27/23	
<i>Surrogate(s)</i>						
Acetaminophen-d4	152%	Conc: 4560	20-500		08/27/23	

Sample Results

Sample: Ambient 3
3H23065-03 (Water) Sampled: 08/21/23 8:15 by Michael Grzywacz

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
PPCPs - Isotope Dilution LCMSMS						
Method: EPA 1694M		Instr: LCMS03				
Batch ID: W3H2213	Preparation: _NONE (LC)	Prepared: 08/24/23 12:59		Analyst: jna		
Acetaminophen	ND	5.0	ng/l	1	08/27/23	
<i>Surrogate(s)</i>						
Acetaminophen-d4	142%	Conc: 4260	20-500		08/27/23	

Sample Results

Sample: 4
3H23065-04 (Water) Sampled: 08/21/23 9:34 by Michael Grzywacz

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
PPCPs - Isotope Dilution LCMSMS						
Method: EPA 1694M		Instr: LCMS03				
Batch ID: W3H2213	Preparation: _NONE (LC)	Prepared: 08/24/23 12:59		Analyst: jna		
Acetaminophen	14	5.0	ng/l	1	08/27/23	
<i>Surrogate(s)</i>						
Acetaminophen-d4	158%	Conc: 4750	20-500		08/27/23	

Sample Results

(Continued)

Sample: 5 Sampled: 08/21/23 10:21 by Michael Grzywacz

3H23065-05 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
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PPCPs - Isotope Dilution LCMSMS

Method: EPA 1694M

Instr: LCMS03

Batch ID: W3H2213

Preparation: _NONE (LC)

Prepared: 08/24/23 12:59

Analyst: jna

Acetaminophen	ND	5.0	ng/l	1	08/27/23	
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Surrogate(s)

Acetaminophen-d4	162%	Conc: 4870	20-500		08/27/23	
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Sample Results

(Continued)

Sample: Ambient 5 Sampled: 08/21/23 10:47 by Michael Grzywacz

3H23065-06 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
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PPCPs - Isotope Dilution LCMSMS

Method: EPA 1694M

Instr: LCMS03

Batch ID: W3H2213

Preparation: _NONE (LC)

Prepared: 08/24/23 12:59

Analyst: jna

Acetaminophen	ND	5.0	ng/l	1	08/27/23	
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Surrogate(s)

Acetaminophen-d4	148%	Conc: 4430	20-500		08/27/23	
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Sample Results

(Continued)

Sample: 12 Sampled: 08/21/23 11:30 by Michael Grzywacz

3H23065-07 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
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PPCPs - Isotope Dilution LCMSMS

Method: EPA 1694M

Instr: LCMS03

Batch ID: W3H2213

Preparation: _NONE (LC)

Prepared: 08/24/23 12:59

Analyst: jna

Acetaminophen	ND	5.0	ng/l	1	08/27/23	
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Surrogate(s)

Acetaminophen-d4	191%	Conc: 5730	20-500		08/27/23	
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Sample Results

(Continued)

Sample: Ambient 6 Sampled: 08/21/23 10:41 by Michael Grzywacz

3H23065-08 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
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PPCPs - Isotope Dilution LCMSMS

Method: EPA 1694M

Instr: LCMS03

Batch ID: W3H2213

Preparation: _NONE (LC)

Prepared: 08/24/23 12:59

Analyst: jna

Acetaminophen	ND	5.0	ng/l	1	08/27/23	
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Surrogate(s)

Acetaminophen-d4	165%	Conc: 4960	20-500		08/27/23	
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Flatwoods Consulting Group Inc.
8306 Laurel Fair Circle, Suite 120
Tampa, FL 33610

Project Number: Hudson Pollution

Project Manager: Michael Grzywacz

Reported:
09/29/2023 11:58

Sample Results

(Continued)

Sample: Ambient 1
3H23065-09 (Water) Sampled: 08/21/23 9:17 by Michael Grzywacz

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
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PPCPs - Isotope Dilution LCMSMS

Method: EPA 1694M

Instr: LCMS03

Batch ID: W3H2213

Preparation: _NONE (LC)

Prepared: 08/24/23 12:59

Analyst: jna

Acetaminophen	ND	5.0	ng/l	1	08/27/23
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Surrogate(s)

Acetaminophen-d4	157%	Conc: 4720	20-500	08/27/23
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Sample Results

(Continued)

Sample: 13
3H23065-10 (Water) Sampled: 08/21/23 11:20 by Michael Grzywacz

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
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PPCPs - Isotope Dilution LCMSMS

Method: EPA 1694M

Instr: LCMS03

Batch ID: W3H2213

Preparation: _NONE (LC)

Prepared: 08/24/23 12:59

Analyst: jna

Acetaminophen	ND	5.0	ng/l	1	08/27/23
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Surrogate(s)

Acetaminophen-d4	206%	Conc: 6180	20-500	08/27/23
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Flatwoods Consulting Group Inc.
8306 Laurel Fair Circle, Suite 120
Tampa, FL 33610

Project Number: Hudson Pollution

Project Manager: Michael Grzywacz

Reported:
09/29/2023 11:58

Quality Control Results

PPCPs - Isotope Dilution LCMSMS

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	Limit	Qualifier
Batch: W3H2213 - EPA 1694M										
Blank (W3H2213-BLK1)				Prepared: 08/24/23 Analyzed: 08/27/23						
Acetaminophen	ND	5.0	ng/l							
<i>Surrogate(s)</i>										
Acetaminophen-d4	3030		ng/l	3000		101	20-500			
LCS (W3H2213-BS1)				Prepared: 08/24/23 Analyzed: 08/27/23						
Acetaminophen	41.8	5.0	ng/l	50.0		84	50-150			
<i>Surrogate(s)</i>										
Acetaminophen-d4	3110		ng/l	3000		104	20-500			
Matrix Spike (W3H2213-MS1)				Source: 3H23065-10		Prepared: 08/24/23 Analyzed: 08/27/23				
Acetaminophen	54.5	5.0	ng/l	50.0	ND	109	50-150			
<i>Surrogate(s)</i>										
Acetaminophen-d4	4630		ng/l	3000		154	20-500			
Matrix Spike Dup (W3H2213-MSD1)				Source: 3H23065-10		Prepared: 08/24/23 Analyzed: 08/27/23				
Acetaminophen	63.3	5.0	ng/l	50.0	ND	127	50-150	15	30	
<i>Surrogate(s)</i>										
Acetaminophen-d4	4810		ng/l	3000		160	20-500			

Flatwoods Consulting Group Inc.
8306 Laurel Fair Circle, Suite 120
Tampa, FL 33610

Project Number: Hudson Pollution

Project Manager: Michael Grzywacz

Certificate of Analysis

FINAL REPORT

Reported:
09/29/2023 11:58

Notes and Definitions

Item	Definition
%REC	Percent Recovery
Dil	Dilution
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.

Work Orders: 3H29024

Project: Hudson Pollution

Attn: Michael Grzywacz

Client: Flatwoods Consulting Group Inc.
8306 Laurel Fair Circle, Suite 120
Tampa, FL 33610

Report Date: 9/29/2023

Received Date: 8/29/2023

Turnaround Time: Normal

Phones: (813) 600-5747

Fax: (888) 600-0514

P.O. #:

Billing Code:

ELAP-CA #1132 • EPA-UCMR #CA00211 • LACSD #10143

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Michael Grzywacz,

Enclosed are the results of analyses for samples received 8/29/23 with the Chain-of-Custody document. The samples were received in good condition, at 4.3 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:



Rahul R. Nair
Project Manager



Project Number: Hudson Pollution

Project Manager: Michael Grzywacz

Reported:
09/29/2023 11:59

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
10	Michael Grzywacz	3H29024-01	Water	08/24/23 11:31	
12	Michael Grzywacz	3H29024-02	Water	08/24/23 14:17	
13	Michael Grzywacz	3H29024-03	Water	08/24/23 14:06	
Ambient 2	Michael Grzywacz	3H29024-04	Water	08/28/23 11:30	
12	Michael Grzywacz	3H29024-05	Water	08/28/23 11:55	
13	Michael Grzywacz	3H29024-06	Water	08/28/23 11:40	

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Project Manager: Michael Grzywacz

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Sample Results

Sample: 10
3H29024-01 (Water) Sampled: 08/24/23 11:31 by Michael Grzywacz

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
PPCPs - Isotope Dilution LCMSMS						
Method: EPA 1694M		Instr: LCMS03				
Batch ID: W310700	Preparation: _NONE (LC)	Prepared: 09/11/23 13:13		Analyst: jna		
Acetaminophen	ND	5.0	ng/l	1	09/12/23	
<i>Surrogate(s)</i>						
Acetaminophen-d4	111%	Conc: 3340	20-500		09/12/23	

Sample Results

Sample: 12
3H29024-02 (Water) Sampled: 08/24/23 14:17 by Michael Grzywacz

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
PPCPs - Isotope Dilution LCMSMS						
Method: EPA 1694M		Instr: LCMS03				
Batch ID: W310700	Preparation: _NONE (LC)	Prepared: 09/11/23 13:13		Analyst: jna		
Acetaminophen	ND	5.0	ng/l	1	09/12/23	
<i>Surrogate(s)</i>						
Acetaminophen-d4	165%	Conc: 4940	20-500		09/12/23	

Sample Results

Sample: 13
3H29024-03 (Water) Sampled: 08/24/23 14:06 by Michael Grzywacz

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
PPCPs - Isotope Dilution LCMSMS						
Method: EPA 1694M		Instr: LCMS03				
Batch ID: W310700	Preparation: _NONE (LC)	Prepared: 09/11/23 13:13		Analyst: jna		
Acetaminophen	ND	5.0	ng/l	1	09/12/23	
<i>Surrogate(s)</i>						
Acetaminophen-d4	162%	Conc: 4850	20-500		09/12/23	

Sample Results

Sample: Ambient 2
3H29024-04 (Water) Sampled: 08/28/23 11:30 by Michael Grzywacz

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
PPCPs - Isotope Dilution LCMSMS						
Method: EPA 1694M		Instr: LCMS03				
Batch ID: W310700	Preparation: _NONE (LC)	Prepared: 09/11/23 13:13		Analyst: jna		
Acetaminophen	ND	5.0	ng/l	1	09/12/23	
<i>Surrogate(s)</i>						
Acetaminophen-d4	122%	Conc: 3660	20-500		09/12/23	

Project Number: Hudson Pollution

Project Manager: Michael Grzywacz

Reported:
09/29/2023 11:59

Sample Results

(Continued)

Sample: 12 Sampled: 08/28/23 11:55 by Michael Grzywacz

3H29024-05 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
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PPCPs - Isotope Dilution LCMSMS

Method: EPA 1694M

Instr: LCMS03

Batch ID: W310700

Preparation: _NONE (LC)

Prepared: 09/11/23 13:13

Analyst: jna

Acetaminophen	60	5.0	ng/l	1	09/12/23	
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Surrogate(s)

Acetaminophen-d4	116%	Conc: 3480	20-500		09/12/23	
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Sample Results

(Continued)

Sample: 13 Sampled: 08/28/23 11:40 by Michael Grzywacz

3H29024-06 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
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PPCPs - Isotope Dilution LCMSMS

Method: EPA 1694M

Instr: LCMS03

Batch ID: W310700

Preparation: _NONE (LC)

Prepared: 09/11/23 13:13

Analyst: jna

Acetaminophen	ND	5.0	ng/l	1	09/12/23	
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Surrogate(s)

Acetaminophen-d4	173%	Conc: 5180	20-500		09/12/23	
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Flatwoods Consulting Group Inc.
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Project Manager: Michael Grzywacz

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Quality Control Results

PPCPs - Isotope Dilution LCMSMS

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	Limit	Qualifier
Batch: W310700 - EPA 1694M										
Blank (W310700-BLK1)				Prepared: 09/11/23 Analyzed: 09/12/23						
Acetaminophen	ND	5.0	ng/l							
<i>Surrogate(s)</i>										
Acetaminophen-d4	3070		ng/l	3000		102	20-500			
LCS (W310700-BS1)				Prepared: 09/11/23 Analyzed: 09/12/23						
Acetaminophen	50.0	5.0	ng/l	50.0		100	50-150			
<i>Surrogate(s)</i>										
Acetaminophen-d4	2990		ng/l	3000		100	20-500			
Matrix Spike (W310700-MS1)				Source: 3H29024-01		Prepared: 09/11/23 Analyzed: 09/12/23				
Acetaminophen	42.8	5.0	ng/l	50.0	ND	86	50-150			
<i>Surrogate(s)</i>										
Acetaminophen-d4	3140		ng/l	3000		105	20-500			
Matrix Spike Dup (W310700-MSD1)				Source: 3H29024-01		Prepared: 09/11/23 Analyzed: 09/12/23				
Acetaminophen	49.0	5.0	ng/l	50.0	ND	98	50-150	14	30	
<i>Surrogate(s)</i>										
Acetaminophen-d4	2950		ng/l	3000		98	20-500			

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