



2022 ANNUAL REPORT  
LOWNDES COUNTY IMPAIRED STREAMS MONITORING





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**OVERVIEW**

Lowndes County conducted sampling of impaired waters listed on the active integrated 305(b)/303(d) list as required by General NPDES Stormwater Permit No. GAG610000 for Phase II MS4. The sampling was conducted in accordance with Lowndes County's approved Monitoring and Implementation Plan for the following impaired waters:

Reach Name/ID	Location	Use*	Cause/ POC*	Source*
Alapaha River GAR031102021203	Willacoochee River to State Line	F	TWR	NP
Cat Creek GAR031101030304	Beatty Mill Creek to Withlacoochee River	F	DO	NP
Cat Creek GAR031101030305	Beaverdam Creek downstream SR 37 to Beatty Mill Creek	F	DO	NP
Franks Creek GAR031102040503	State Route S1780 (Morven Rd) to Little River near Hahira	F	FC/Ec	UR
Jumping Gully Creek GAR031102030903	Bevel Creek to State Line	F	FC/Ec	NP
Mud Creek GAR031102021102	Downstream Valdosta Mud Creek WPCP to Alapahoochee River	F	FC/Ec	UR
Tributary to Withlacoochee #2 GAR031102030804	Headwaters to Withlacoochee River	F	FC/Ec	NP
Withlacoochee River GAR031102030401	Bay Branch to Little River	F	FC/Ec,TWR	NP
Withlacoochee River GAR031102030403	New River to Bay Branch	F	FC/Ec,TWR	NP
Withlacoochee River GAR031102030806	Little River to Okapilco Creek	F	FC/Ec,Pb,TWR	NP
Withlacoochee River GAR031102030902	Okapilco Creek to Stateline	F	TWR	NP

Use: F-Fishing

Cause/Pollutant of Concern: TWR-Trophic Weighted Residue, Ec-E. coli, FC-Fecal Coliform, DO-Dissolved Oxygen, Pb-Lead

Source: NP-Nonpoint Sources, UR-Urban Runoff, M-Municipal Point Source Discharges

**MONITORING DATA ASSESSMENT**

Cumulative monitoring data for the 2020-2022 reporting years is included in Appendix A in both tabular and graphical formats. Raw analytical reports for the 2022 reporting year only are included in Appendix B. Raw analytical reports from previous years can be found in the respective years' annual report.

Fecal Coliform/E. coli

Georgia Water Quality Standards transitioned from fecal coliform to E. coli during 2022. Fecal coliform/E. coli sampling results for 2022 indicated 13 of 13 sampling points met water quality standards for the March sampling event, 8 of 13 sampling points exceeded water quality standards for the June sampling event, 12 of 13 sampling points exceeded water quality standards for the September sampling event and 3 of 12 sampling points exceeded water



quality standards for the December sampling event. Sampling point WRT2 on reach GAR031102030804 was dry during each December sampling attempt.

Lowndes County has not identified any point sources within the drainage areas that can be attributed to the widespread exceedances. Based on the limited data collected to date, it is the opinion of Lowndes County that the cause of the exceedances is from natural conditions.

#### Dissolved Oxygen (DO)

DO levels in Cat Creek at the Highway 122 bridge near the Lowndes County-Berrien County line were below 4.0 mg/L for most of the sampling period. Water flow conditions at the bridge were almost stagnant. The channel at this point is wide and shallow with low flow velocities. As the stream flows southward, water velocity and depth transition into more defined streambank conditions. There were three sampling events at the Highway 122 bridge for which DO levels exceeded 4.0. In all three cases, the sampling events were preceded by rainfall events in excess of 1.0". DO levels begin to increase and were at or near compliance levels +/- 2.7 miles downstream at the Cat Creek Bridge with the exception of early June and one sampling event in August. May and June of 2022 experienced below average precipitation levels with a 37% and 12% drop respectively resulting in below normal water velocity and depth for this period.

#### Low Level Mercury

Low level mercury levels were well below acute standards at all sampling points. Chronic standards were exceeded at the following locations for the indicated sampling events:

- Alapaha River at the Old State Rd Boat Ramp for September
- Withlacoochee River at the Hwy 122 Bridge for September
- Withlacoochee River at the Staten Rd Bridge for September
- Withlacoochee River at the Hwy 133 Bridge for September
- Withlacoochee River at the Hwy 84 Bridge for September
- Withlacoochee River at the Knights Ferry Rd Boat Ramp for September
- Withlacoochee River at the Madison Hwy Bridge for September

Lowndes County has not identified any point sources within the drainage areas that can be attributed to the widespread exceedances. Based on the limited data collected to date, it is the opinion of Lowndes County that the cause of the exceedances is from natural conditions.

#### Lead

Sampling results for 2022 indicate all samples to be below the detectable limit at all points sampled for lead.

#### **BMP ASSESSMENT**

Based on the data assessment above, Lowndes County does not propose implementation of any additional BMPs at this time.



# APPENDIX A

## Tabular and Graphical Data





LOWNDES COUNTY IMPAIRED WATERS SAMPLING SUMMARY-2022

REACH NAME	ID	SAMPLE STATION	STATION ID	3/1-2/2022			3/8-9/2022	3/15-16/2022	3/22-23/2022	MARCH 2022	6/2-3/2022			6/7-8/2022	6/14-15/2022	6/21-22/2022	JUNE 2022
				FC	LLM (TWR)	Pb	FC	FC	FC	FC Geo Mean	FC	LLM (TWR)	Pb	FC	FC	FC	FC Geo Mean
				mpn/100ml	µg/l	µg/l	mpn/100ml	mpn/100ml	mpn/100ml	mpn/100ml	mpn/100ml	µg/l	µg/l	mpn/100ml	mpn/100ml	mpn/100ml	mpn/100ml
Alapaha River	GAR031102021203	Old State Rd Boat Ramp	AR1		0.00500							0.01290					
		US Hwy 82 Bridge (high water backup)	AR1a														
Cat Creek	GAR031101030305	GA Hwy 122E at Cat Creek Bridge	CR1														
Cat Creek	GAR031101030304	Beatty Mill Creek Rd Streambank	CR2														
		Cat Creek Rd Bridge	CR3														
Franks Creek	GAR031102040503	GA Hwy 122 Bridge	FC0	135			331	108	109	151	121		156	1043	908	366	
		Old Valdosta Rd Bridge	FC1	393			201	195	336	268	281		72	72	318	147	
		Shiloh Rd Bridge	FC2	345			120	189	197	198	748		554	24196	1246	1880	
Jumping Gully Creek	GAR031102030903	Jumping Gully Rd Bridge	JG2	288			218	332	185	249	422		253	383	204	302	
Mud Creek	GAR031102021102	Johnson Rd SE Bridge	MC1	52			85	6,490	393	326	24200		414	1,391	459	1590	
		Hickory Grove Rd @ Glenn Rd Bridge	MC2	256			148	538	195	251	313		457	535	320	396	
Withlacoochee River	GAR031102030403	Hwy 122 E Bridge	WR1	145	0.00500		134	122	253	156	86	0.01810	169	158	85	118	
Withlacoochee River	GAR031102030401	Staten Rd Bridge	WR2	52	0.00500		85	109	241	104	131	0.01410	130	265	41	117	
		N Valdosta Rd Bridge	WR3	86	0.00500		134	97	279	133	120	0.01180	30	1470	145	166	
Withlacoochee River	GAR031102030806	Hwy 133 Bridge Over Little River	WR4	169	0.00500	1.00000	109	132	428	180	291	0.02490	459	19863	187	839	
		Hwy 84W Bridge	WR5	20	0.00500	1.00000	85	63	160	64	30	0.01530	41	73	156	61	
Withlacoochee River	GAR031102030902	Knights Ferry Rd Boat Ramp	WR6		0.00500							0.03690					
		Madison Hwy Bridge	WR7		0.00500							0.01660					
Tributary to Withlacoochee River #2	GAR031102030804	Ousley Rd Culvert	WRT1	187			116	591	467	278	481		1067	1071	359	666	
		Clyattville-Nankin Rd Culvert	WRT2	487			86	399	404	287	DRY		1124	934	DRY	1025	

REACH NAME	ID	SAMPLE STATION	STATION ID	9/7-8/2022			9/14-15/2022	9/21-22/2022	9/26-28/2022	SEPTEMBER 2022	12/6-7/2022			12/13-14/2022	12/20-21/2022	12/27-28/2022	DECEMBER 2022
				FC	LLM (TWR)	Pb	FC	FC	FC	FC Geo Mean	E. coli	LLM (TWR)	Pb	E. coli	E. coli	E. coli	E. coli Geo Mean
				mpn/100ml	µg/l	µg/l	mpn/100ml	mpn/100ml	mpn/100ml	mpn/100ml	mpn/100ml	µg/l	µg/l	mpn/100ml	mpn/100ml	mpn/100ml	mpn/100ml
Alapaha River	GAR031102021203	Old State Rd Boat Ramp	AR1		0.00500							0.00020					
		River Bend Rd Riverbank	AR2														
Cat Creek	GAR031101030305	GA Hwy 122E at Cat Creek Bridge	CR1														
Cat Creek	GAR031101030304	Beatty Mill Creek Rd Streambank	CR2														
		Cat Creek Rd Bridge	CR3														
Franks Creek	GAR031102040503	GA Hwy 122 Bridge	FC0	16.6			981	10462	780	604	295		34.5	158	305	149	
		Old Valdosta Rd Bridge	FC1	5908			7701	1470	839	2737	52		2	52	1112	50	
		Shiloh Rd Bridge	FC2	93.4			1892	1497	250	507	813		4.1	231	235	116	
Jumping Gully Creek	GAR031102030903	Jumping Gully Rd Bridge	JG2	315			520	842	422	491	228		355	350	798	388	
Mud Creek	GAR031102021102	Johnson Rd SE Bridge	MC1	1725			450	1,401	496	857	98		86	189	185	131	
		Hickory Grove Rd @ Glenn Rd Bridge	MC2	644			1607	359	670	706	246		313	722	373	379	
Withlacoochee River	GAR031102030403	Hwy 122 E Bridge	WR1	131.7	0.00900		554	588	109	262	233	0.00020	12.1	110	327	100	
Withlacoochee River	GAR031102030401	Staten Rd Bridge	WR2	49.5	0.00850		888	588	173	259	121	0.00020	8.6	243	272	91	
		N Valdosta Rd Bridge	WR3	54.5	0.00780		1043	663	177	286	63	0.00020	6.3	31	10	19	
Withlacoochee River	GAR031102030806	Hwy 133 Bridge Over Little River	WR4	88.4	0.00910	1.10000	1234	705	909	514	398	0.00020	3.1	414	305	112	
		Hwy 84W Bridge	WR5	144	0.00780	1.10000	591	141	84	178	41	0.00020	39.9	97	20	42	
Withlacoochee River	GAR031102030902	Knights Ferry Rd Boat Ramp	WR6		0.00500							0.00020					
		Madison Hwy Bridge	WR7		0.00580							0.00020					
Tributary to Withlacoochee River #2	GAR031102030804	Ousley Rd Culvert	WRT1	126.7			450	911	1076	486	275		211	441	556	345	
		Clyattville-Nankin Rd Culvert	WRT2	422			1607	1439	226	685	Dry		Dry	Dry	Dry	DRY	

- Notes:**  
 1- Lowndes County began initial stream sampling in April 2020. Subsequent sampling will be conducted annually in March, June, September, and December.  
 2- In August 2020 Lowndes County updated the M&I Plan to include addition of FC0 in June, removal of TFC1 and TFC2 from the sampling plan since the impaired stream segment is in the City of Hahira. LC also removed JG1 since it is not on Jumping Gully Creek.

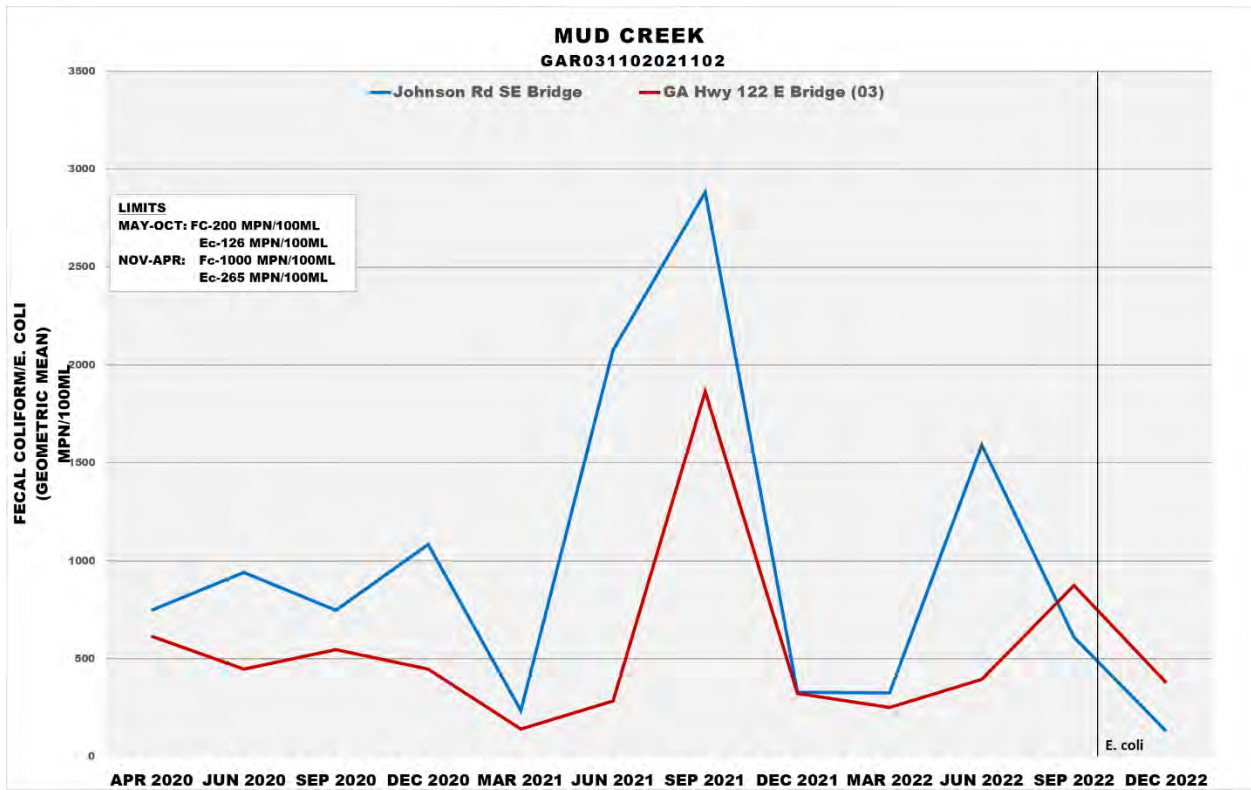
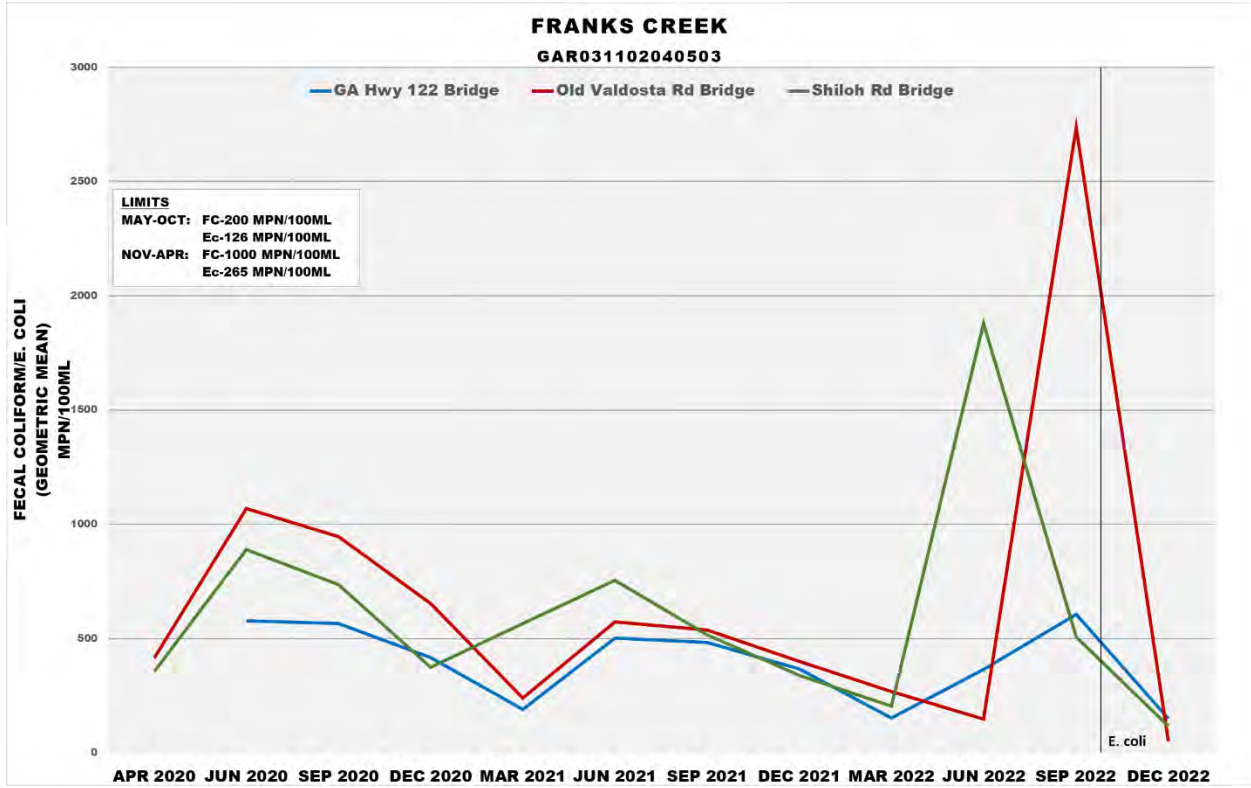
Not detected  
 Acute exceeded  
 Chronic exceeded  
 FC exceeded

DISSOLVED OXYGEN MONITORING (mg/l)

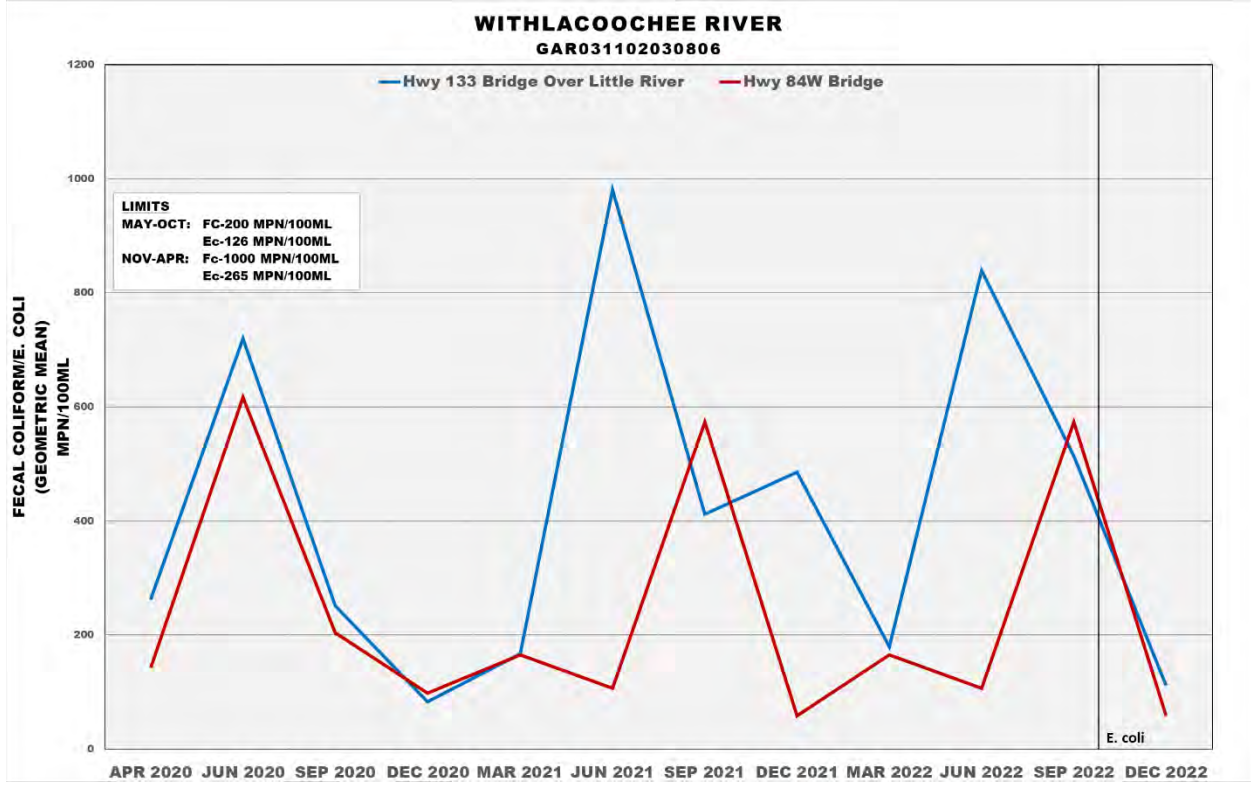
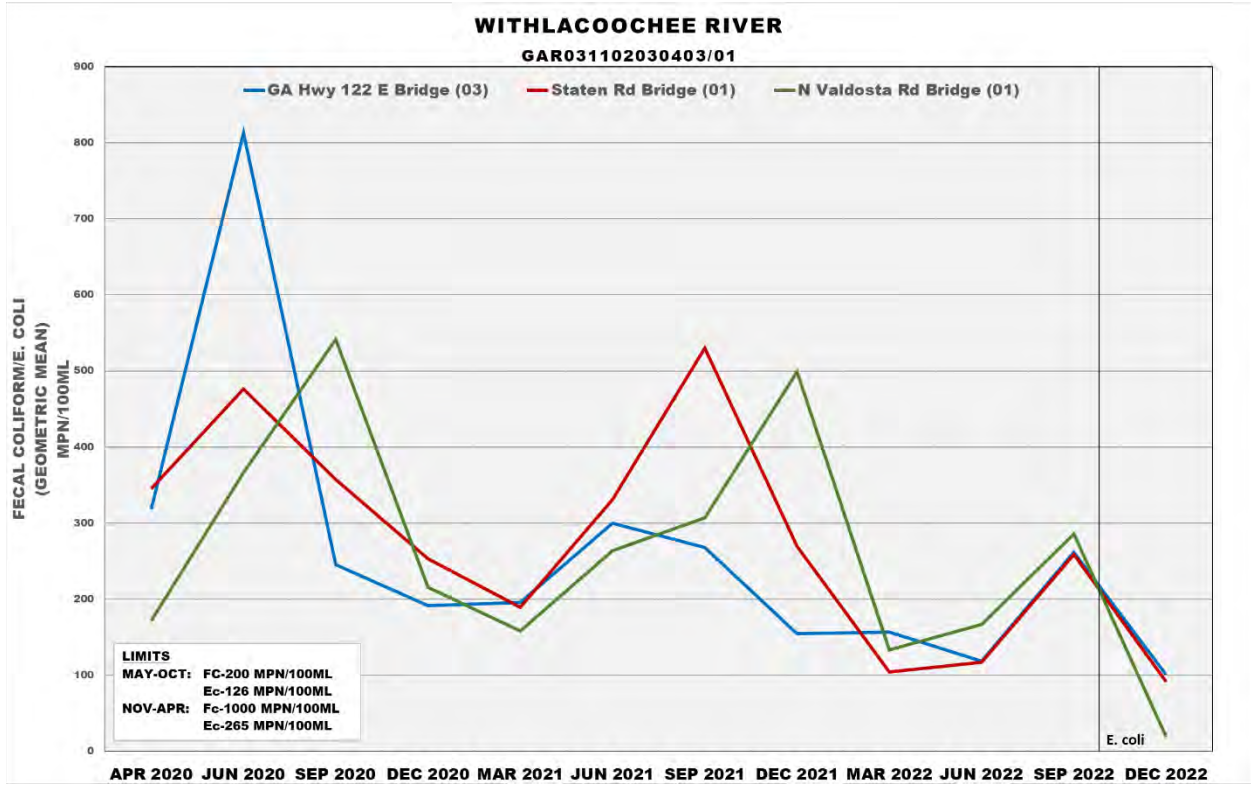
REACH NAME	ID	SAMPLE STATION	STATION ID	JUNE				JULY				AUGUST			
				6/6/2022	6/14/2022	6/22/2022	6/29/2022	7/5/2022	7/12/2022	7/20/2022	7/27/2022	8/3/2022	8/10/2022	8/18/2022	8/25/2022
Cat Creek	R031101030305	GA Hwy 122E at Cat Creek Bridge	CC1	0.43	0.70	0.89	1.44	3.23	4.42	4.39	3.61	3.21	5.94	3.74	3.58
Cat Creek	R031101030304	Beatty Mill Creek Rd Streambank	CC2	2.82	2.19	1.73	4.13	4.81	4.72	4.95	4.29	4.70	5.24	4.90	4.92
		Cat Creek Rd Bridge	CC3	2.03	3.52	2.45	4.47	5.58	5.72	5.29	5.34	5.35	3.94	5.85	5.71

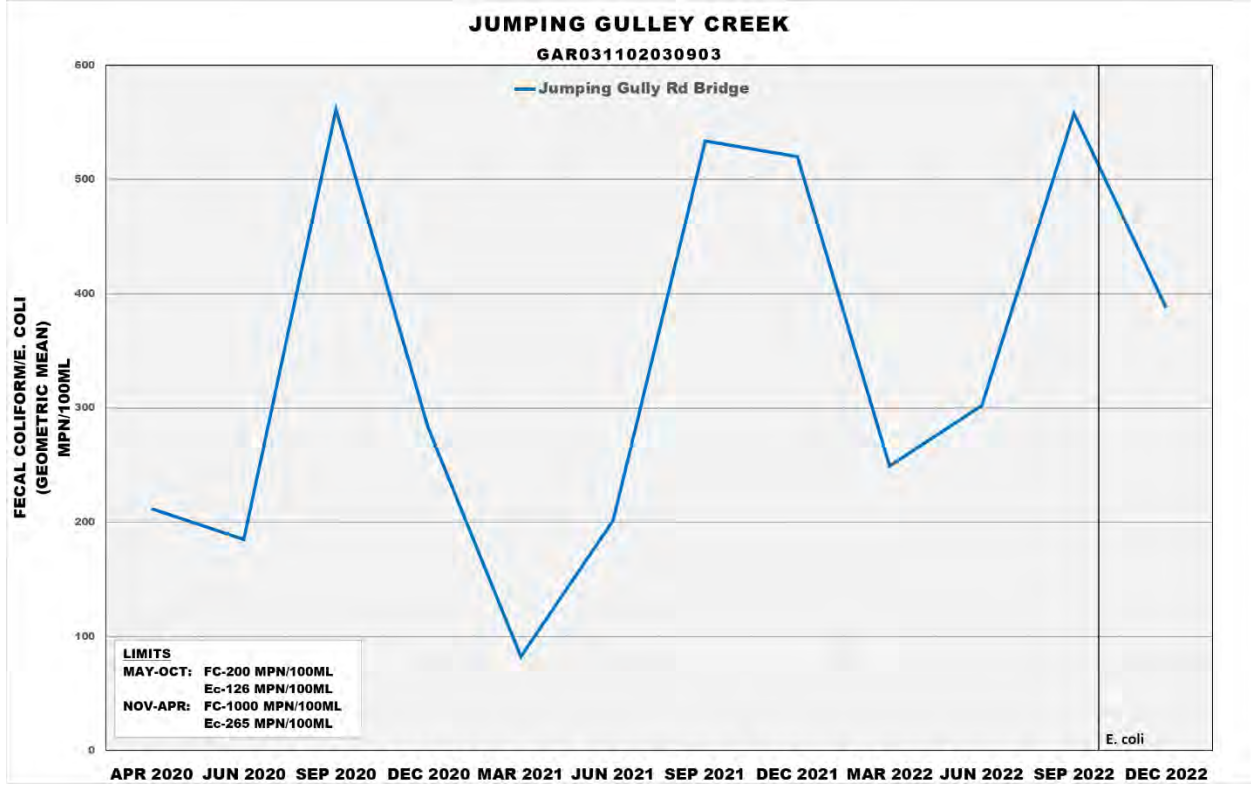
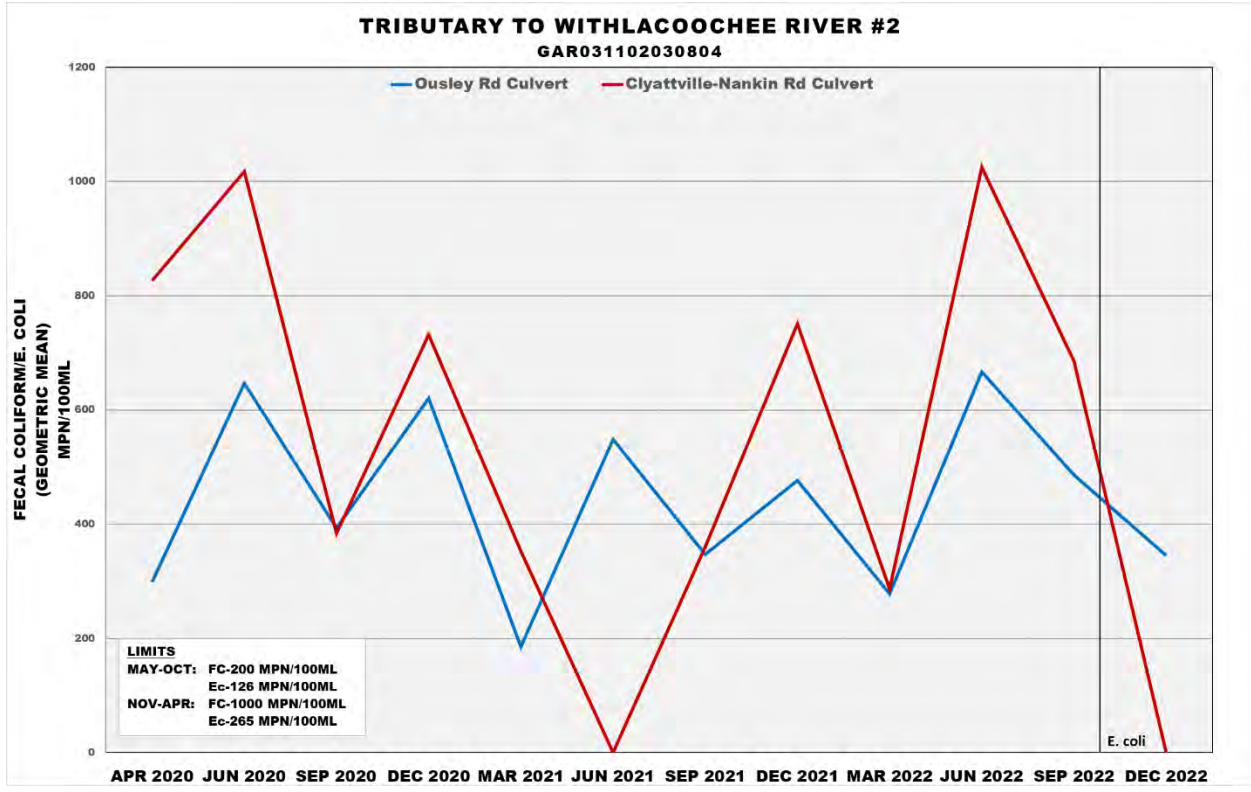
Water Quality Criteria For Fishing Use (As approved by US EPA Region 4 on 01/20/2021)

DO	5.0 mg/L daily average Not < 4.0 mg/L
FC	May-Oct 30-day geometric mean   200 counts/100 mL of fecal coliform Nov-Apr 30-day geometric mean   1000 counts/100 mL of fecal coliform
E. coli	May-Oct 30-day geometric mean   126 counts/100 mL of E. coli Nov-Apr 30-day geometric mean   265 counts/100 mL of E. coli
Lead	30 µg/L acute 1.2 µg/L chronic
Mercury	1.4 µg/L acute 0.012 µg/L chronic

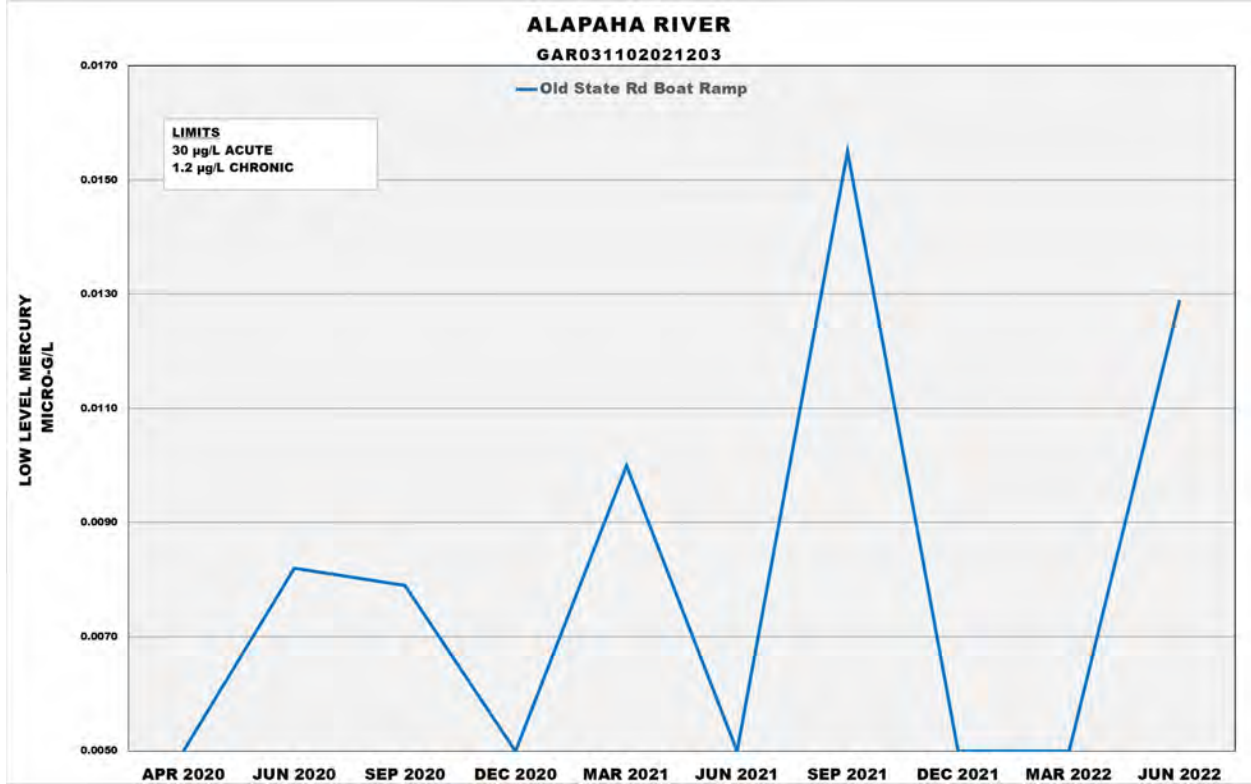
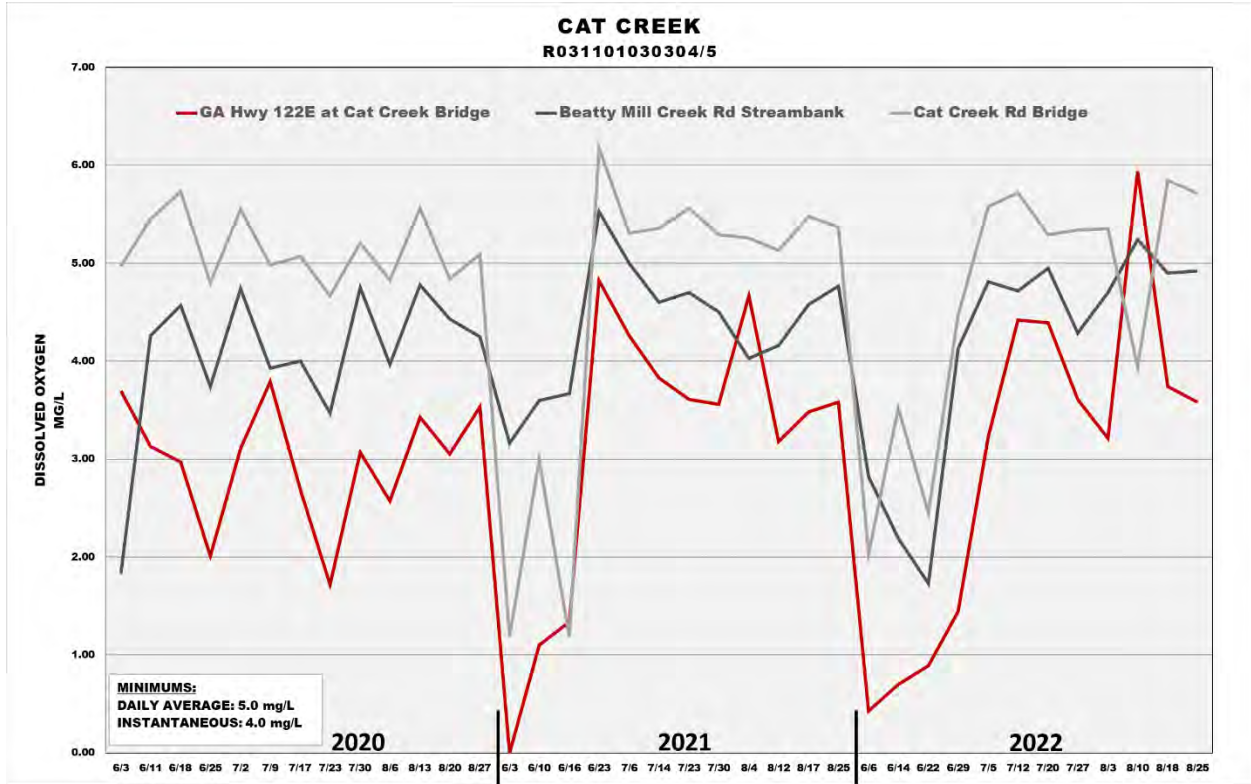


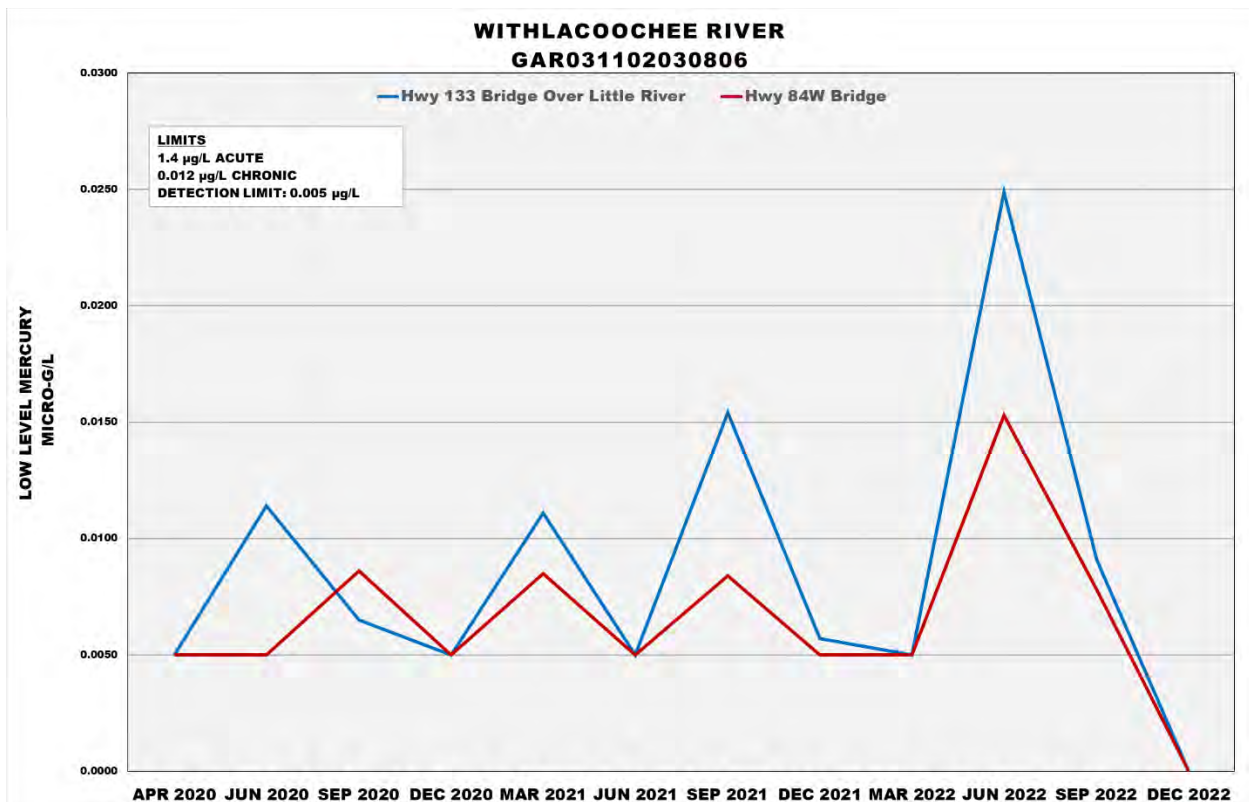
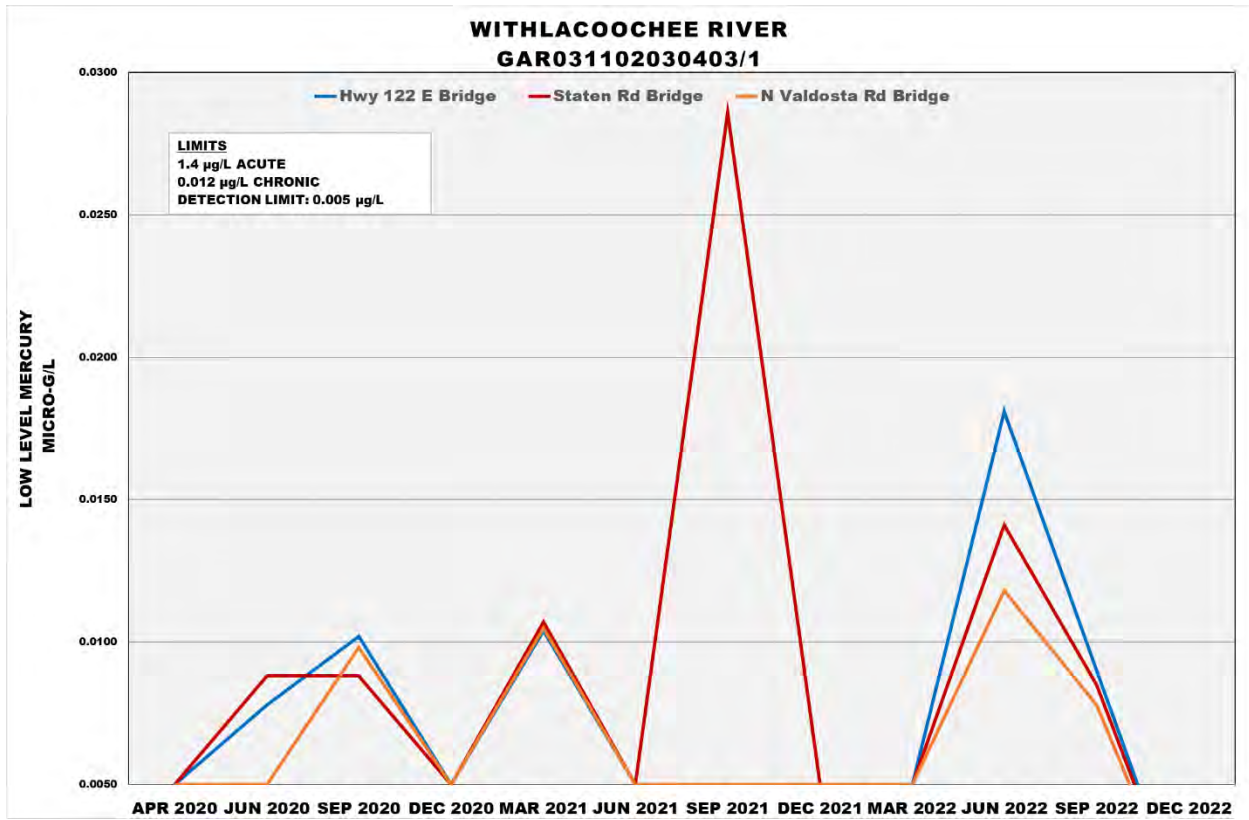




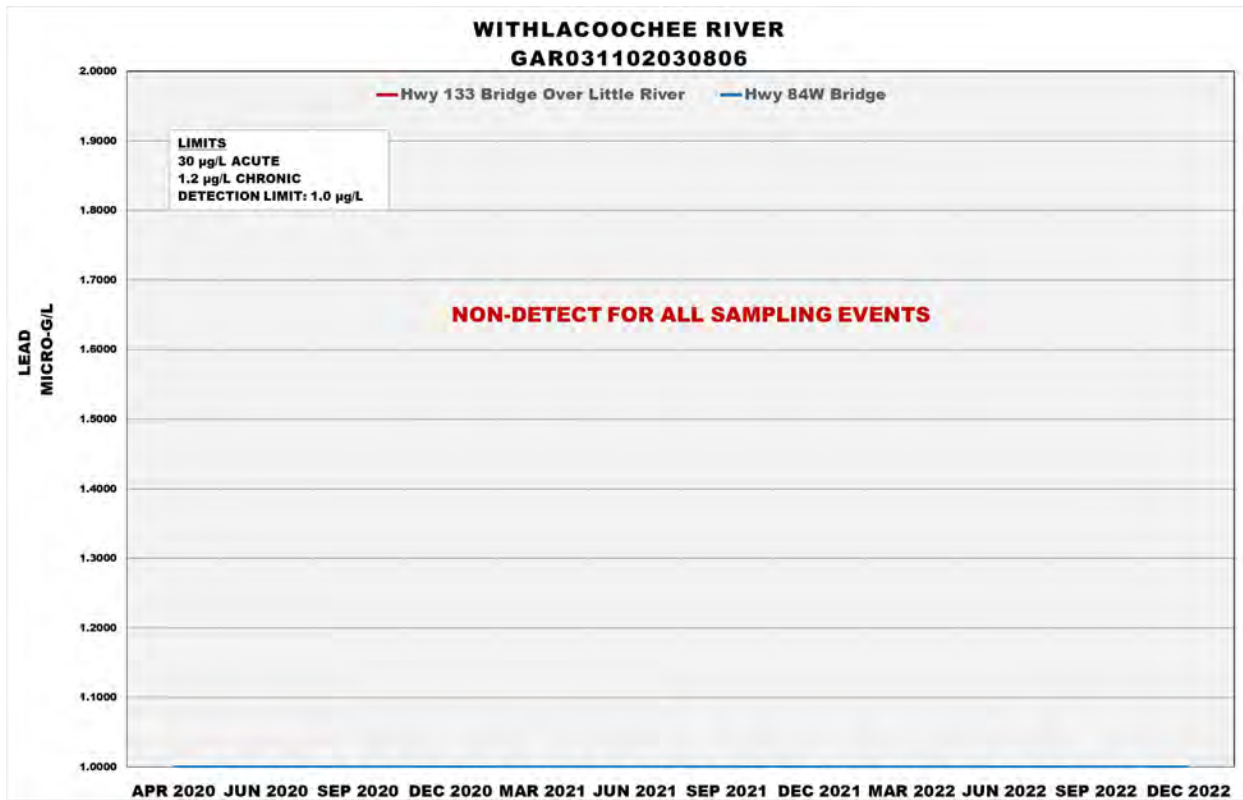
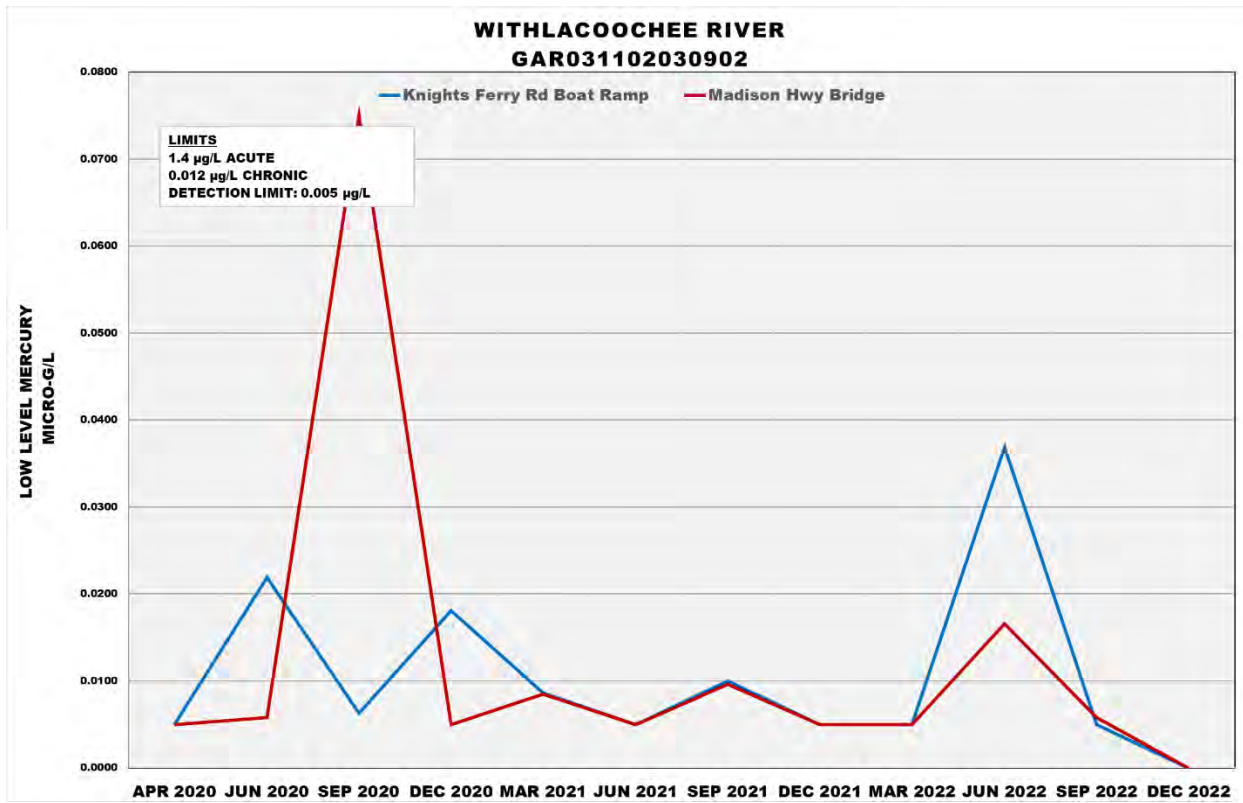












**APPENDIX B**  
**DO Sonde Output/  
Analytical Reports**





**Location Properties**

Location Name = CC1

Location ID = 8532cb57-e3e3-4654-9cb2-1cc8bdf2f7da

Latitude = 31.0256333510138 °

Longitude = -83.2240855693817 °

**Report Properties**

Start Time = 2022-06-06 14:04:48

Time Offset = -04:00:00

Duration = 00:00:58

Readings = 30

**Instrument Properties**

Device Model = Aqua TROLL 400

Device SN = 734322

**Instrument Properties**

Device Model = PowerPack

Device SN = 730134

**Date Time**

6/6/22 14:04:48.000

6/6/22 14:04:50.000

6/6/22 14:04:52.000

6/6/22 14:04:54.000

6/6/22 14:04:56.000

6/6/22 14:04:58.000

6/6/22 14:05:00.000

6/6/22 14:05:02.000

6/6/22 14:05:04.000

6/6/22 14:05:06.000

6/6/22 14:05:08.000

6/6/22 14:05:10.000

6/6/22 14:05:12.000

6/6/22 14:05:14.000

6/6/22 14:05:16.000

6/6/22 14:05:18.000

6/6/22 14:05:20.000

6/6/22 14:05:22.000

6/6/22 14:05:24.000

6/6/22 14:05:26.000

6/6/22 14:05:28.000

6/6/22 14:05:30.000

**RDO Concentration (mg/L) (734143)**

0.4674149

0.4664266

0.4654382

0.4644499

0.4519539

0.4510882

0.4502225

0.4421089

0.4415031

0.4408973

0.4402916

0.434587

0.4341708

0.4337545

0.4333383

0.4311556

0.4309379

0.4307202

0.4298268

0.4297387

0.4296506

0.4295624

6/6/22 14:05:32.000	0.4290134
6/6/22 14:05:34.000	0.4289691
6/6/22 14:05:36.000	0.4289247
6/6/22 14:05:38.000	0.4288803
6/6/22 14:05:40.000	0.4264627
6/6/22 14:05:42.000	0.4263442
6/6/22 14:05:44.000	0.4262257
6/6/22 14:05:46.000	0.4235303

**Location Properties**

Location Name = CC2

Location ID = bd9ff499-e8e3-4c82-b9b8-4f786b920453

Latitude = 31.0201915356845 °

Longitude = -83.22983186692 °

**Report Properties**

Start Time = 2022-06-06 13:52:10

Time Offset = -04:00:00

Duration = 00:00:58

Readings = 30

**Instrument Properties**

Device Model = Aqua TROLL 400

Device SN = 734322

**Instrument Properties**

Device Model = PowerPack

Device SN = 730134

**Date Time**

6/6/22 13:52:10.000

6/6/22 13:52:12.000

6/6/22 13:52:14.000

6/6/22 13:52:16.000

6/6/22 13:52:18.000

6/6/22 13:52:20.000

6/6/22 13:52:22.000

6/6/22 13:52:24.000

6/6/22 13:52:26.000

6/6/22 13:52:28.000

6/6/22 13:52:30.000

6/6/22 13:52:32.000

6/6/22 13:52:34.000

6/6/22 13:52:36.000

6/6/22 13:52:38.000

6/6/22 13:52:40.000

6/6/22 13:52:42.000

6/6/22 13:52:44.000

6/6/22 13:52:46.000

6/6/22 13:52:48.000

6/6/22 13:52:50.000

6/6/22 13:52:52.000

**RDO Concentration (mg/L) (734143)**

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2.85734

2.857079

2.85312

2.852888

2.852656

2.847965

2.847678

2.84739

2.847102

2.840348

2.839952

2.839557

2.839161

2.833548

2.833172

2.832796

2.829406

2.82915

2.828895

2.82864

2.825097



6/6/22 13:52:54.000	2.82487
6/6/22 13:52:56.000	2.824643
6/6/22 13:52:58.000	2.824416
6/6/22 13:53:00.000	2.821439
6/6/22 13:53:02.000	2.821235
6/6/22 13:53:04.000	2.821032
6/6/22 13:53:06.000	2.81715
6/6/22 13:53:08.000	2.816914

**Location Properties**

Location Name = CC3

Location ID = 02e18ce5-130f-4c02-8fa1-e5045908bc14

Latitude = 30.9901809804007 °

Longitude = -83.2449669018388 °

**Report Properties**

Start Time = 2022-06-06 13:32:32

Time Offset = -04:00:00

Duration = 00:00:58

Readings = 30

**Instrument Properties**

Device Model = Aqua TROLL 400

Device SN = 734322

**Instrument Properties**

Device Model = PowerPack

Device SN = 730134

**Date Time**

6/6/22 13:32:32.000

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6/6/22 13:32:36.000

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6/6/22 13:32:40.000

6/6/22 13:32:42.000

6/6/22 13:32:44.000

6/6/22 13:32:46.000

6/6/22 13:32:48.000

6/6/22 13:32:50.000

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6/6/22 13:32:54.000

6/6/22 13:32:56.000

6/6/22 13:32:58.000

6/6/22 13:33:00.000

6/6/22 13:33:02.000

6/6/22 13:33:04.000

6/6/22 13:33:06.000

6/6/22 13:33:08.000

6/6/22 13:33:10.000

6/6/22 13:33:12.000

6/6/22 13:33:14.000

**RDO Concentration (mg/L) (734143)**

2.050074

2.050074

2.050074

2.050074

2.042571

2.042017

2.041464

2.038576

2.03821

2.037844

2.034947

2.03471

2.034473

2.034236

2.032227

2.032059

2.031891

2.030495

2.03038

2.030263

2.030148

2.026841

6/6/22 13:33:16.000	2.02666
6/6/22 13:33:18.000	2.02648
6/6/22 13:33:20.000	2.024813
6/6/22 13:33:22.000	2.024671
6/6/22 13:33:24.000	2.024529
6/6/22 13:33:26.000	2.024388
6/6/22 13:33:28.000	2.02593
6/6/22 13:33:30.000	2.025963



**Location Properties**

Location Name = CC1

Location ID = cc493d3f-095a-43df-af0c-332cb51367f2

Latitude = 31.02548 °

Longitude = -83.22392 °

**Report Properties**

Start Time = 2022-06-14 12:57:10

Time Offset = -04:00:00

Duration = 00:00:58

Readings = 30

**Instrument Properties**

Device Model = Aqua TROLL 400

Device SN = 734322

**Date Time****RDO Concentration (mg/L) (734143)**

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6/14/22 12:57:12.000	0.7088491
6/14/22 12:57:14.000	0.7086759
6/14/22 12:57:16.000	0.7092832
6/14/22 12:57:18.000	0.7092578
6/14/22 12:57:20.000	0.7092325
6/14/22 12:57:22.000	0.7092071
6/14/22 12:57:24.000	0.7090537
6/14/22 12:57:26.000	0.7090565
6/14/22 12:57:28.000	0.7090593
6/14/22 12:57:30.000	0.7090621
6/14/22 12:57:32.000	0.7090253
6/14/22 12:57:34.000	0.7090202
6/14/22 12:57:36.000	0.7090151
6/14/22 12:57:38.000	0.7105139
6/14/22 12:57:40.000	0.7105801
6/14/22 12:57:42.000	0.7106463
6/14/22 12:57:44.000	0.7107124
6/14/22 12:57:46.000	0.7142487
6/14/22 12:57:48.000	0.7144358
6/14/22 12:57:50.000	0.7146227
6/14/22 12:57:52.000	0.7148098
6/14/22 12:57:54.000	0.7128708
6/14/22 12:57:56.000	0.7128542
6/14/22 12:57:58.000	0.7128376
6/14/22 12:58:00.000	0.7010885

6/14/22 12:58:02.000	0.7005317
6/14/22 12:58:04.000	0.699975
6/14/22 12:58:06.000	0.6994182
6/14/22 12:58:08.000	0.6873654

**Location Properties**

Location Name = CC2

Location ID = 33f31380-c779-458c-be64-311b73b88bf3

Latitude = 31.020308 °

Longitude = -83.22962 °

**Report Properties**

Start Time = 2022-06-14 13:24:29

Time Offset = -04:00:00

Duration = 00:00:58

Readings = 30

**Instrument Properties**

Device Model = Aqua TROLL 400

Device SN = 734322

**Date Time****RDO Concentration (mg/L) (734143)**

6/14/22 13:24:29.000	2.153768
6/14/22 13:24:31.000	2.154511
6/14/22 13:24:33.000	2.155254
6/14/22 13:24:35.000	2.180796
6/14/22 13:24:37.000	2.182102
6/14/22 13:24:39.000	2.183408
6/14/22 13:24:41.000	2.191258
6/14/22 13:24:43.000	2.192072
6/14/22 13:24:45.000	2.192885
6/14/22 13:24:47.000	2.193699
6/14/22 13:24:49.000	2.19554
6/14/22 13:24:51.000	2.195774
6/14/22 13:24:53.000	2.196008
6/14/22 13:24:55.000	2.196242
6/14/22 13:24:57.000	2.19952
6/14/22 13:24:59.000	2.199709
6/14/22 13:25:01.000	2.199898
6/14/22 13:25:03.000	2.204511
6/14/22 13:25:05.000	2.204783
6/14/22 13:25:07.000	2.205056
6/14/22 13:25:09.000	2.205328
6/14/22 13:25:11.000	2.213838
6/14/22 13:25:13.000	2.21431
6/14/22 13:25:15.000	2.214782
6/14/22 13:25:17.000	2.215253
6/14/22 13:25:19.000	2.230931



6/14/22 13:25:21.000	2.231781
6/14/22 13:25:23.000	2.232631
6/14/22 13:25:25.000	2.228947
6/14/22 13:25:27.000	2.229061

**Location Properties**

Location Name = CC3

Location ID = 3747455e-c10e-42a3-ade4-02204c8793eb

Latitude = 30.9900151404622 °

Longitude = -83.2447932288051 °

**Report Properties**

Start Time = 2022-06-14 12:37:38

Time Offset = -04:00:00

Duration = 00:00:58

Readings = 30

**Instrument Properties**

Device Model = Aqua TROLL 400

Device SN = 734322

**Date Time****RDO Concentration (mg/L) (734143)**

6/14/22 12:37:38.000	3.522946
6/14/22 12:37:40.000	3.522995
6/14/22 12:37:42.000	3.523045
6/14/22 12:37:44.000	3.524109
6/14/22 12:37:46.000	3.524177
6/14/22 12:37:48.000	3.524245
6/14/22 12:37:50.000	3.524312
6/14/22 12:37:52.000	3.525036
6/14/22 12:37:54.000	3.525092
6/14/22 12:37:56.000	3.525148
6/14/22 12:37:58.000	3.525205
6/14/22 12:38:00.000	3.520867
6/14/22 12:38:02.000	3.5207
6/14/22 12:38:04.000	3.520533
6/14/22 12:38:06.000	3.520969
6/14/22 12:38:08.000	3.520916
6/14/22 12:38:10.000	3.520862
6/14/22 12:38:12.000	3.520809
6/14/22 12:38:14.000	3.518292
6/14/22 12:38:16.000	3.518188
6/14/22 12:38:18.000	3.518083
6/14/22 12:38:20.000	3.516625
6/14/22 12:38:22.000	3.516512
6/14/22 12:38:24.000	3.516399
6/14/22 12:38:26.000	3.516285
6/14/22 12:38:28.000	3.514237

6/14/22 12:38:30.000	3.514117
6/14/22 12:38:32.000	3.513997
6/14/22 12:38:34.000	3.513877
6/14/22 12:38:36.000	3.511452

**Location Properties**

Location Name = CC1

Location ID = cc493d3f-095a-43df-af0c-332cb51367f2

Latitude = 31.02548 °

Longitude = -83.22392 °

**Report Properties**

Start Time = 2022-06-22 12:57:09

Time Offset = -04:00:00

Duration = 00:00:58

Readings = 30

**Instrument Properties**

Device Model = Aqua TROLL 400

Device SN = 734322

**Date Time****RDO Concentration (mg/L) (734143)**

6/22/22 12:57:09.000	0.866046
6/22/22 12:57:11.000	0.8653294
6/22/22 12:57:13.000	0.8646128
6/22/22 12:57:15.000	0.8638962
6/22/22 12:57:17.000	0.8557359
6/22/22 12:57:19.000	0.8551599
6/22/22 12:57:21.000	0.8545838
6/22/22 12:57:23.000	0.8619459
6/22/22 12:57:25.000	0.8621057
6/22/22 12:57:27.000	0.8622655
6/22/22 12:57:29.000	0.8624253
6/22/22 12:57:31.000	0.8838602
6/22/22 12:57:33.000	0.8849501
6/22/22 12:57:35.000	0.88604
6/22/22 12:57:37.000	0.88713
6/22/22 12:57:39.000	0.9094956
6/22/22 12:57:41.000	0.9109021
6/22/22 12:57:43.000	0.9123085
6/22/22 12:57:45.000	0.9320642
6/22/22 12:57:47.000	0.9333715
6/22/22 12:57:49.000	0.9346788
6/22/22 12:57:51.000	0.9359861
6/22/22 12:57:53.000	0.9526837
6/22/22 12:57:55.000	0.953818
6/22/22 12:57:57.000	0.9549523
6/22/22 12:57:59.000	0.9686132

6/22/22 12:58:01.000	0.9695551
6/22/22 12:58:03.000	0.9704971
6/22/22 12:58:05.000	0.9714389
6/22/22 12:58:07.000	0.9825343



**Location Properties**

Location Name = CC2

Location ID = 33f31380-c779-458c-be64-311b73b88bf3

Latitude = 31.020308 °

Longitude = -83.22962 °

**Report Properties**

Start Time = 2022-06-22 13:22:44

Time Offset = -04:00:00

Duration = 00:00:58

Readings = 30

**Instrument Properties**

Device Model = Aqua TROLL 400

Device SN = 734322

**Date Time****RDO Concentration (mg/L) (734143)**

6/22/22 13:22:44.000	1.703679
6/22/22 13:22:46.000	1.7043
6/22/22 13:22:48.000	1.704921
6/22/22 13:22:50.000	1.705543
6/22/22 13:22:52.000	1.709078
6/22/22 13:22:54.000	1.709447
6/22/22 13:22:56.000	1.709817
6/22/22 13:22:58.000	1.710186
6/22/22 13:23:00.000	1.715587
6/22/22 13:23:02.000	1.715902
6/22/22 13:23:04.000	1.716218
6/22/22 13:23:06.000	1.726566
6/22/22 13:23:08.000	1.727141
6/22/22 13:23:10.000	1.727717
6/22/22 13:23:12.000	1.728293
6/22/22 13:23:14.000	1.736822
6/22/22 13:23:16.000	1.737409
6/22/22 13:23:18.000	1.737996
6/22/22 13:23:20.000	1.741729
6/22/22 13:23:22.000	1.74206
6/22/22 13:23:24.000	1.742391
6/22/22 13:23:26.000	1.742722
6/22/22 13:23:28.000	1.749838
6/22/22 13:23:30.000	1.750234
6/22/22 13:23:32.000	1.75063
6/22/22 13:23:34.000	1.751027

6/22/22 13:23:36.000	1.753417
6/22/22 13:23:38.000	1.753666
6/22/22 13:23:40.000	1.753914
6/22/22 13:23:42.000	1.760501

**Location Properties**

Location Name = CC3

Location ID = fe81f034-f49e-4c13-ae7-c34ab4bcae0d

Latitude = 30.990015 °

Longitude = -83.24479 °

**Report Properties**

Start Time = 2022-06-22 12:36:37

Time Offset = -04:00:00

Duration = 00:00:58

Readings = 30

**Instrument Properties**

Device Model = Aqua TROLL 400

Device SN = 734322

**Date Time****RDO Concentration (mg/L) (734143)**

6/22/22 12:36:37.000	2.359331
6/22/22 12:36:39.000	2.359168
6/22/22 12:36:41.000	2.380473
6/22/22 12:36:43.000	2.381371
6/22/22 12:36:45.000	2.38227
6/22/22 12:36:47.000	2.383168
6/22/22 12:36:49.000	2.413959
6/22/22 12:36:51.000	2.415729
6/22/22 12:36:53.000	2.417498
6/22/22 12:36:55.000	2.443499
6/22/22 12:36:57.000	2.445236
6/22/22 12:36:59.000	2.446973
6/22/22 12:37:01.000	2.448711
6/22/22 12:37:03.000	2.465331
6/22/22 12:37:05.000	2.466578
6/22/22 12:37:07.000	2.467825
6/22/22 12:37:09.000	2.469073
6/22/22 12:37:11.000	2.486032
6/22/22 12:37:13.000	2.487134
6/22/22 12:37:15.000	2.488235
6/22/22 12:37:17.000	2.511311
6/22/22 12:37:19.000	2.512668
6/22/22 12:37:21.000	2.514026
6/22/22 12:37:23.000	2.515383
6/22/22 12:37:25.000	2.537651
6/22/22 12:37:27.000	2.539091

6/22/22 12:37:29.000	2.54053
6/22/22 12:37:31.000	2.54197
6/22/22 12:37:33.000	2.557809
6/22/22 12:37:35.000	2.558964

**Location Properties**

Location Name = CC1

Location ID = cc493d3f-095a-43df-af0c-332cb51367f2

Latitude = 31.02548 °

Longitude = -83.22392 °

**Report Properties**

Start Time = 2022-06-29 12:45:11

Time Offset = -04:00:00

Duration = 00:00:58

Readings = 30

**Instrument Properties**

Device Model = Aqua TROLL 400

Device SN = 734322

**Date Time****RDO Concentration (mg/L) (734143)**

6/29/22 12:45:11.000	1.496499
6/29/22 12:45:13.000	1.484147
6/29/22 12:45:15.000	1.483323
6/29/22 12:45:17.000	1.482499
6/29/22 12:45:19.000	1.470632
6/29/22 12:45:21.000	1.46986
6/29/22 12:45:23.000	1.469089
6/29/22 12:45:25.000	1.468317
6/29/22 12:45:27.000	1.460469
6/29/22 12:45:29.000	1.459882
6/29/22 12:45:31.000	1.459295
6/29/22 12:45:33.000	1.458707
6/29/22 12:45:35.000	1.45331
6/29/22 12:45:37.000	1.452909
6/29/22 12:45:39.000	1.452507
6/29/22 12:45:41.000	1.447549
6/29/22 12:45:43.000	1.447217
6/29/22 12:45:45.000	1.446886
6/29/22 12:45:47.000	1.446555
6/29/22 12:45:49.000	1.44225
6/29/22 12:45:51.000	1.441957
6/29/22 12:45:53.000	1.441664
6/29/22 12:45:55.000	1.436773
6/29/22 12:45:57.000	1.43647
6/29/22 12:45:59.000	1.436168
6/29/22 12:46:01.000	1.435866



6/29/22 12:46:03.000	1.430753
6/29/22 12:46:05.000	1.430429
6/29/22 12:46:07.000	1.430105
6/29/22 12:46:09.000	1.42978

**Location Properties**

Location Name = CC2

Location ID = 33f31380-c779-458c-be64-311b73b88bf3

Latitude = 31.020308 °

Longitude = -83.22962 °

**Report Properties**

Start Time = 2022-06-29 13:10:13

Time Offset = -04:00:00

Duration = 00:00:58

Readings = 30

**Instrument Properties**

Device Model = Aqua TROLL 400

Device SN = 734322

**Date Time****RDO Concentration (mg/L) (734143)**

6/29/22 13:10:13.000	4.124408
6/29/22 13:10:15.000	4.124825
6/29/22 13:10:17.000	4.125244
6/29/22 13:10:19.000	4.131981
6/29/22 13:10:21.000	4.132331
6/29/22 13:10:23.000	4.132682
6/29/22 13:10:25.000	4.133033
6/29/22 13:10:27.000	4.133963
6/29/22 13:10:29.000	4.134135
6/29/22 13:10:31.000	4.134306
6/29/22 13:10:33.000	4.134477
6/29/22 13:10:35.000	4.134539
6/29/22 13:10:37.000	4.134566
6/29/22 13:10:39.000	4.134592
6/29/22 13:10:41.000	4.13502
6/29/22 13:10:43.000	4.135044
6/29/22 13:10:45.000	4.135067
6/29/22 13:10:47.000	4.13509
6/29/22 13:10:49.000	4.135315
6/29/22 13:10:51.000	4.135334
6/29/22 13:10:53.000	4.135352
6/29/22 13:10:55.000	4.138486
6/29/22 13:10:57.000	4.138634
6/29/22 13:10:59.000	4.138783
6/29/22 13:11:01.000	4.138931
6/29/22 13:11:03.000	4.136295

6/29/22 13:11:05.000	4.13624
6/29/22 13:11:07.000	4.136185
6/29/22 13:11:09.000	4.136129
6/29/22 13:11:11.000	4.138738

**Location Properties**

Location Name = CC3

Location ID = fe81f034-f49e-4c13-ae7-c34ab4bcae0d

Latitude = 30.990015 °

Longitude = -83.24479 °

**Report Properties**

Start Time = 2022-06-29 12:25:37

Time Offset = -04:00:00

Duration = 00:01:04

Readings = 33

**Instrument Properties**

Device Model = Aqua TROLL 400

Device SN = 734322

**Date Time****RDO Concentration (mg/L) (734143)**

6/29/22 12:25:37.000	4.466313
6/29/22 12:25:39.000	4.468953
6/29/22 12:25:41.000	4.469052
6/29/22 12:25:43.000	4.469152
6/29/22 12:25:45.000	4.469998
6/29/22 12:25:47.000	4.470085
6/29/22 12:25:49.000	4.470171
6/29/22 12:25:51.000	4.470258
6/29/22 12:25:53.000	4.470265
6/29/22 12:25:55.000	4.470284
6/29/22 12:25:57.000	4.470302
6/29/22 12:25:59.000	4.473711
6/29/22 12:26:01.000	4.47387
6/29/22 12:26:03.000	4.474028
6/29/22 12:26:05.000	4.474187
6/29/22 12:26:07.000	4.470592
6/29/22 12:26:09.000	4.470495
6/29/22 12:26:11.000	4.470398
6/29/22 12:26:13.000	4.470301
6/29/22 12:26:15.000	4.471429
6/29/22 12:26:17.000	4.47141
6/29/22 12:26:19.000	4.471391
6/29/22 12:26:21.000	4.473539
6/29/22 12:26:23.000	4.473658
6/29/22 12:26:25.000	4.473776
6/29/22 12:26:27.000	4.473895

6/29/22 12:26:29.000	4.47134
6/29/22 12:26:31.000	4.471266
6/29/22 12:26:33.000	4.471191
6/29/22 12:26:35.000	4.471117
6/29/22 12:26:37.000	4.469646
6/29/22 12:26:39.000	4.469533
6/29/22 12:26:41.000	4.469422

**Location Properties**

Location Name = CC1

Location ID = cc493d3f-095a-43df-af0c-332cb51367f2

Latitude = 31.02548 °

Longitude = -83.22392 °

**Report Properties**

Start Time = 2022-07-05 12:37:26

Time Offset = -04:00:00

Duration = 00:00:58

Readings = 30

**Instrument Properties**

Device Model = Aqua TROLL 400

Device SN = 734322

**Date Time****RDO Concentration (mg/L) (734143)**

7/5/22 12:37:26.000	3.242768
7/5/22 12:37:28.000	3.242495
7/5/22 12:37:30.000	3.242223
7/5/22 12:37:32.000	3.239116
7/5/22 12:37:34.000	3.238881
7/5/22 12:37:36.000	3.238646
7/5/22 12:37:38.000	3.23841
7/5/22 12:37:40.000	3.236495
7/5/22 12:37:42.000	3.236349
7/5/22 12:37:44.000	3.236202
7/5/22 12:37:46.000	3.236057
7/5/22 12:37:48.000	3.234485
7/5/22 12:37:50.000	3.234375
7/5/22 12:37:52.000	3.234265
7/5/22 12:37:54.000	3.232166
7/5/22 12:37:56.000	3.232041
7/5/22 12:37:58.000	3.231916
7/5/22 12:38:00.000	3.231791
7/5/22 12:38:02.000	3.227667
7/5/22 12:38:04.000	3.22744
7/5/22 12:38:06.000	3.227213
7/5/22 12:38:08.000	3.226987
7/5/22 12:38:10.000	3.228795
7/5/22 12:38:12.000	3.228793
7/5/22 12:38:14.000	3.228792
7/5/22 12:38:16.000	3.2341



7/5/22 12:38:18.000	3.234367
7/5/22 12:38:20.000	3.234634
7/5/22 12:38:22.000	3.234901
7/5/22 12:38:24.000	3.237303

**Location Properties**

Location Name = CC2

Location ID = 33f31380-c779-458c-be64-311b73b88bf3

Latitude = 31.020308 °

Longitude = -83.22962 °

**Report Properties**

Start Time = 2022-07-05 12:59:08

Time Offset = -04:00:00

Duration = 00:01:00

Readings = 31

**Instrument Properties**

Device Model = Aqua TROLL 400

Device SN = 734322

**Date Time****RDO Concentration (mg/L) (734143)**

7/5/22 12:59:08.000	4.806074
7/5/22 12:59:10.000	4.81157
7/5/22 12:59:12.000	4.811855
7/5/22 12:59:14.000	4.812139
7/5/22 12:59:16.000	4.812424
7/5/22 12:59:18.000	4.808945
7/5/22 12:59:20.000	4.808894
7/5/22 12:59:22.000	4.808843
7/5/22 12:59:24.000	4.808792
7/5/22 12:59:26.000	4.805535
7/5/22 12:59:28.000	4.805331
7/5/22 12:59:30.000	4.805127
7/5/22 12:59:32.000	4.806904
7/5/22 12:59:34.000	4.80693
7/5/22 12:59:36.000	4.806955
7/5/22 12:59:38.000	4.80698
7/5/22 12:59:40.000	4.810976
7/5/22 12:59:42.000	4.81119
7/5/22 12:59:44.000	4.811404
7/5/22 12:59:46.000	4.811617
7/5/22 12:59:48.000	4.813874
7/5/22 12:59:50.000	4.814051
7/5/22 12:59:52.000	4.814228
7/5/22 12:59:54.000	4.816115
7/5/22 12:59:56.000	4.816245
7/5/22 12:59:58.000	4.816374

7/5/22 13:00:00.000	4.816504
7/5/22 13:00:02.000	4.820117
7/5/22 13:00:04.000	4.820318
7/5/22 13:00:06.000	4.820518
7/5/22 13:00:08.000	4.820775

**Location Properties**

Location Name = CC3

Location ID = fe81f034-f49e-4c13-ae7-c34ab4bcae0d

Latitude = 30.990015 °

Longitude = -83.24479 °

**Report Properties**

Start Time = 2022-07-05 12:20:36

Time Offset = -04:00:00

Duration = 00:00:58

Readings = 30

**Instrument Properties**

Device Model = Aqua TROLL 400

Device SN = 734322

**Date Time****RDO Concentration (mg/L) (734143)**

7/5/22 12:20:36.000	5.614461
7/5/22 12:20:38.000	5.600049
7/5/22 12:20:40.000	5.599324
7/5/22 12:20:42.000	5.598598
7/5/22 12:20:44.000	5.597873
7/5/22 12:20:46.000	5.566579
7/5/22 12:20:48.000	5.564925
7/5/22 12:20:50.000	5.563272
7/5/22 12:20:52.000	5.561618
7/5/22 12:20:54.000	5.571103
7/5/22 12:20:56.000	5.570932
7/5/22 12:20:58.000	5.570761
7/5/22 12:21:00.000	5.57845
7/5/22 12:21:02.000	5.578967
7/5/22 12:21:04.000	5.579484
7/5/22 12:21:06.000	5.580002
7/5/22 12:21:08.000	5.583265
7/5/22 12:21:10.000	5.583561
7/5/22 12:21:12.000	5.583857
7/5/22 12:21:14.000	5.585002
7/5/22 12:21:16.000	5.585116
7/5/22 12:21:18.000	5.585231
7/5/22 12:21:20.000	5.585345
7/5/22 12:21:22.000	5.587543
7/5/22 12:21:24.000	5.587666
7/5/22 12:21:26.000	5.587788

7/5/22 12:21:28.000	5.58791
7/5/22 12:21:30.000	5.59237
7/5/22 12:21:32.000	5.592607
7/5/22 12:21:34.000	5.592844

**Location Properties**

Location Name = CC1

Location ID = 8532cb57-e3e3-4654-9cb2-1cc8bdf2f7da

Latitude = 31.0256333510138 °

Longitude = -83.2240855693817 °

**Report Properties**

Start Time = 2022-07-12 13:24:07

Time Offset = -04:00:00

Duration = 00:00:59

Readings = 30

**Instrument Properties**

Device Model = Aqua TROLL 400

Device SN = 734322

**Instrument Properties**

Device Model = PowerPack

Device SN = 730134

**Date Time****RDO Concentration (mg/L) (734143)**

7/12/22 13:24:08.000	4.447258
7/12/22 13:24:10.000	4.447258
7/12/22 13:24:12.000	4.447258
7/12/22 13:24:14.000	4.447258
7/12/22 13:24:16.000	4.445053
7/12/22 13:24:18.000	4.444855
7/12/22 13:24:20.000	4.444656
7/12/22 13:24:22.000	4.444458
7/12/22 13:24:24.000	4.438534
7/12/22 13:24:26.000	4.438178
7/12/22 13:24:28.000	4.437822
7/12/22 13:24:30.000	4.437467
7/12/22 13:24:32.000	4.436785
7/12/22 13:24:34.000	4.436619
7/12/22 13:24:36.000	4.436454
7/12/22 13:24:38.000	4.429568
7/12/22 13:24:40.000	4.429232
7/12/22 13:24:42.000	4.428895
7/12/22 13:24:44.000	4.428559
7/12/22 13:24:46.000	4.427499
7/12/22 13:24:48.000	4.427316
7/12/22 13:24:50.000	4.427132



7/12/22 13:24:52.000	4.426948
7/12/22 13:24:54.000	4.425578
7/12/22 13:24:56.000	4.425491
7/12/22 13:24:58.000	4.425405
7/12/22 13:25:00.000	4.420879
7/12/22 13:25:02.000	4.420645
7/12/22 13:25:04.000	4.420412
7/12/22 13:25:06.000	4.420178

**Location Properties**

Location Name = CC2

Location ID = bd9ff499-e8e3-4c82-b9b8-4f786b920453

Latitude = 31.0201915356845 °

Longitude = -83.22983186692 °

**Report Properties**

Start Time = 2022-07-12 13:13:17

Time Offset = -04:00:00

Duration = 00:00:58

Readings = 30

**Instrument Properties**

Device Model = Aqua TROLL 400

Device SN = 734322

**Instrument Properties**

Device Model = PowerPack

Device SN = 730134

**Date Time****RDO Concentration (mg/L) (734143)**

7/12/22 13:13:17.000	4.729923
7/12/22 13:13:19.000	4.729923
7/12/22 13:13:21.000	4.729923
7/12/22 13:13:23.000	4.731864
7/12/22 13:13:25.000	4.731993
7/12/22 13:13:27.000	4.732121
7/12/22 13:13:29.000	4.73225
7/12/22 13:13:31.000	4.730355
7/12/22 13:13:33.000	4.73032
7/12/22 13:13:35.000	4.730286
7/12/22 13:13:37.000	4.730251
7/12/22 13:13:39.000	4.731472
7/12/22 13:13:41.000	4.731498
7/12/22 13:13:43.000	4.731524
7/12/22 13:13:45.000	4.727569
7/12/22 13:13:47.000	4.727417
7/12/22 13:13:49.000	4.727265
7/12/22 13:13:51.000	4.727112
7/12/22 13:13:53.000	4.725917
7/12/22 13:13:55.000	4.725791
7/12/22 13:13:57.000	4.725665
7/12/22 13:13:59.000	4.725539

7/12/22 13:14:01.000	4.724457
7/12/22 13:14:03.000	4.724383
7/12/22 13:14:05.000	4.72431
7/12/22 13:14:07.000	4.721487
7/12/22 13:14:09.000	4.72134
7/12/22 13:14:11.000	4.721193
7/12/22 13:14:13.000	4.721046
7/12/22 13:14:15.000	4.718838

**Location Properties**

Location Name = CC3

Location ID = 02e18ce5-130f-4c02-8fa1-e5045908bc14

Latitude = 30.9901809804007 °

Longitude = -83.2449669018388 °

**Report Properties**

Start Time = 2022-07-12 12:55:21

Time Offset = -04:00:00

Duration = 00:01:00

Readings = 31

**Instrument Properties**

Device Model = Aqua TROLL 400

Device SN = 734322

**Instrument Properties**

Device Model = PowerPack

Device SN = 730134

**Date Time****RDO Concentration (mg/L) (734143)**

7/12/22 12:55:21.000	5.744193
7/12/22 12:55:23.000	5.744016
7/12/22 12:55:25.000	5.743839
7/12/22 12:55:27.000	5.743662
7/12/22 12:55:29.000	5.740697
7/12/22 12:55:31.000	5.740513
7/12/22 12:55:33.000	5.740329
7/12/22 12:55:35.000	5.740145
7/12/22 12:55:37.000	5.739596
7/12/22 12:55:39.000	5.739513
7/12/22 12:55:41.000	5.739431
7/12/22 12:55:43.000	5.739349
7/12/22 12:55:45.000	5.735938
7/12/22 12:55:47.000	5.73578
7/12/22 12:55:49.000	5.735621
7/12/22 12:55:51.000	5.731425
7/12/22 12:55:53.000	5.731183
7/12/22 12:55:55.000	5.730939
7/12/22 12:55:57.000	5.730697
7/12/22 12:55:59.000	5.726151
7/12/22 12:56:01.000	5.725863
7/12/22 12:56:03.000	5.725576

7/12/22 12:56:05.000	5.725288
7/12/22 12:56:07.000	5.725306
7/12/22 12:56:09.000	5.725209
7/12/22 12:56:11.000	5.725112
7/12/22 12:56:13.000	5.725016
7/12/22 12:56:15.000	5.725268
7/12/22 12:56:17.000	5.725268
7/12/22 12:56:19.000	5.725268
7/12/22 12:56:21.000	5.721525

**Location Properties**

Location Name = CC1

Location ID = cc493d3f-095a-43df-af0c-332cb51367f2

Latitude = 31.02548 °

Longitude = -83.22392 °

**Report Properties**

Start Time = 2022-07-20 13:15:36

Time Offset = -04:00:00

Duration = 00:00:58

Readings = 30

**Instrument Properties**

Device Model = Aqua TROLL 400

Device SN = 734322

**Date Time****RDO Concentration (mg/L) (734143)**

7/20/22 13:15:36.000	4.397619
7/20/22 13:15:38.000	4.396787
7/20/22 13:15:40.000	4.395954
7/20/22 13:15:42.000	4.395121
7/20/22 13:15:44.000	4.391286
7/20/22 13:15:46.000	4.390947
7/20/22 13:15:48.000	4.390608
7/20/22 13:15:50.000	4.39027
7/20/22 13:15:52.000	4.39201
7/20/22 13:15:54.000	4.392002
7/20/22 13:15:56.000	4.391994
7/20/22 13:15:58.000	4.398401
7/20/22 13:16:00.000	4.398711
7/20/22 13:16:02.000	4.399021
7/20/22 13:16:04.000	4.399331
7/20/22 13:16:06.000	4.39825
7/20/22 13:16:08.000	4.398315
7/20/22 13:16:10.000	4.39838
7/20/22 13:16:12.000	4.398445
7/20/22 13:16:14.000	4.405363
7/20/22 13:16:16.000	4.405649
7/20/22 13:16:18.000	4.405935
7/20/22 13:16:20.000	4.407454
7/20/22 13:16:22.000	4.407651
7/20/22 13:16:24.000	4.407848
7/20/22 13:16:26.000	4.408045

7/20/22 13:16:28.000	4.406163
7/20/22 13:16:30.000	4.406115
7/20/22 13:16:32.000	4.406065
7/20/22 13:16:34.000	4.408486

**Location Properties**

Location Name = CC2

Location ID = 33f31380-c779-458c-be64-311b73b88bf3

Latitude = 31.020308 °

Longitude = -83.22962 °

**Report Properties**

Start Time = 2022-07-20 13:34:22

Time Offset = -04:00:00

Duration = 00:00:58

Readings = 30

**Instrument Properties**

Device Model = Aqua TROLL 400

Device SN = 734322

**Date Time****RDO Concentration (mg/L) (734143)**

7/20/22 13:34:22.000	4.990869
7/20/22 13:34:24.000	4.989779
7/20/22 13:34:26.000	4.981757
7/20/22 13:34:28.000	4.981109
7/20/22 13:34:30.000	4.980461
7/20/22 13:34:32.000	4.979813
7/20/22 13:34:34.000	4.97217
7/20/22 13:34:36.000	4.971661
7/20/22 13:34:38.000	4.971153
7/20/22 13:34:40.000	4.96509
7/20/22 13:34:42.000	4.964669
7/20/22 13:34:44.000	4.964249
7/20/22 13:34:46.000	4.963828
7/20/22 13:34:48.000	4.958487
7/20/22 13:34:50.000	4.958128
7/20/22 13:34:52.000	4.957769
7/20/22 13:34:54.000	4.957411
7/20/22 13:34:56.000	4.953341
7/20/22 13:34:58.000	4.95305
7/20/22 13:35:00.000	4.952758
7/20/22 13:35:02.000	4.947531
7/20/22 13:35:04.000	4.947217
7/20/22 13:35:06.000	4.946902
7/20/22 13:35:08.000	4.946588
7/20/22 13:35:10.000	4.944358
7/20/22 13:35:12.000	4.944157



7/20/22 13:35:14.000	4.943956
7/20/22 13:35:16.000	4.943756
7/20/22 13:35:18.000	4.940555
7/20/22 13:35:20.000	4.940365

**Location Properties**

Location Name = CC3

Location ID = fe81f034-f49e-4c13-ae7-c34ab4bcae0d

Latitude = 30.990015 °

Longitude = -83.24479 °

**Report Properties**

Start Time = 2022-07-20 12:56:48

Time Offset = -04:00:00

Duration = 00:00:58

Readings = 30

**Instrument Properties**

Device Model = Aqua TROLL 400

Device SN = 734322

**Date Time****RDO Concentration (mg/L) (734143)**

7/20/22 12:56:48.000	5.260499
7/20/22 12:56:50.000	5.260682
7/20/22 12:56:52.000	5.260865
7/20/22 12:56:54.000	5.267434
7/20/22 12:56:56.000	5.267791
7/20/22 12:56:58.000	5.268149
7/20/22 12:57:00.000	5.268506
7/20/22 12:57:02.000	5.273504
7/20/22 12:57:04.000	5.273853
7/20/22 12:57:06.000	5.274202
7/20/22 12:57:08.000	5.28286
7/20/22 12:57:10.000	5.283351
7/20/22 12:57:12.000	5.283842
7/20/22 12:57:14.000	5.284332
7/20/22 12:57:16.000	5.290994
7/20/22 12:57:18.000	5.291465
7/20/22 12:57:20.000	5.291936
7/20/22 12:57:22.000	5.292407
7/20/22 12:57:24.000	5.292084
7/20/22 12:57:26.000	5.292209
7/20/22 12:57:28.000	5.292334
7/20/22 12:57:30.000	5.291303
7/20/22 12:57:32.000	5.291256
7/20/22 12:57:34.000	5.291209
7/20/22 12:57:36.000	5.291162
7/20/22 12:57:38.000	5.296092

7/20/22 12:57:40.000	5.296294
7/20/22 12:57:42.000	5.296495
7/20/22 12:57:44.000	5.296697
7/20/22 12:57:46.000	5.299272

**Location Properties**

Location Name = CC1

Location ID = 2517ee52-f232-47f9-b305-ab4b1680efcd

Latitude = 31.0254833748412 °

Longitude = -83.2239162549376 °

**Report Properties**

Start Time = 2022-07-27 13:11:13

Time Offset = -04:00:00

Duration = 00:00:58

Readings = 30

**Instrument Properties**

Device Model = Aqua TROLL 400

Device SN = 734322

**Date Time****RDO Concentration (mg/L) (734143)**

7/27/22 13:11:13.000	3.616993
7/27/22 13:11:15.000	3.616697
7/27/22 13:11:17.000	3.616401
7/27/22 13:11:19.000	3.612986
7/27/22 13:11:21.000	3.612788
7/27/22 13:11:23.000	3.61259
7/27/22 13:11:25.000	3.612392
7/27/22 13:11:27.000	3.613739
7/27/22 13:11:29.000	3.613732
7/27/22 13:11:31.000	3.613725
7/27/22 13:11:33.000	3.613718
7/27/22 13:11:35.000	3.612217
7/27/22 13:11:37.000	3.612175
7/27/22 13:11:39.000	3.612132
7/27/22 13:11:41.000	3.606533
7/27/22 13:11:43.000	3.606246
7/27/22 13:11:45.000	3.60596
7/27/22 13:11:47.000	3.605673
7/27/22 13:11:49.000	3.608248
7/27/22 13:11:51.000	3.608254
7/27/22 13:11:53.000	3.60826
7/27/22 13:11:55.000	3.608266
7/27/22 13:11:57.000	3.609225
7/27/22 13:11:59.000	3.609311
7/27/22 13:12:01.000	3.609397
7/27/22 13:12:03.000	3.610697

7/27/22 13:12:05.000	3.610773
7/27/22 13:12:07.000	3.610848
7/27/22 13:12:09.000	3.610924
7/27/22 13:12:11.000	3.611853

**Location Properties**

Location Name = CC2

Location ID = da665dbf-fb06-4851-bf81-c1dbb3036fbd

Latitude = 31.0203079029921 °

Longitude = -83.2296152785421 °

**Report Properties**

Start Time = 2022-07-27 13:36:25

Time Offset = -04:00:00

Duration = 00:00:58

Readings = 30

**Instrument Properties**

Device Model = Aqua TROLL 400

Device SN = 734322

**Date Time****RDO Concentration (mg/L) (734143)**

7/27/22 13:36:25.000	4.265695
7/27/22 13:36:27.000	4.274117
7/27/22 13:36:29.000	4.274472
7/27/22 13:36:31.000	4.274828
7/27/22 13:36:33.000	4.291929
7/27/22 13:36:35.000	4.292846
7/27/22 13:36:37.000	4.293763
7/27/22 13:36:39.000	4.294679
7/27/22 13:36:41.000	4.283477
7/27/22 13:36:43.000	4.283315
7/27/22 13:36:45.000	4.283152
7/27/22 13:36:47.000	4.281586
7/27/22 13:36:49.000	4.281318
7/27/22 13:36:51.000	4.281051
7/27/22 13:36:53.000	4.280783
7/27/22 13:36:55.000	4.289119
7/27/22 13:36:57.000	4.289466
7/27/22 13:36:59.000	4.289814
7/27/22 13:37:01.000	4.290162
7/27/22 13:37:03.000	4.287538
7/27/22 13:37:05.000	4.287579
7/27/22 13:37:07.000	4.28762
7/27/22 13:37:09.000	4.299263
7/27/22 13:37:11.000	4.299736
7/27/22 13:37:13.000	4.300209
7/27/22 13:37:15.000	4.300682

7/27/22 13:37:17.000	4.300874
7/27/22 13:37:19.000	4.301095
7/27/22 13:37:21.000	4.301317
7/27/22 13:37:23.000	4.301539

**Location Properties**

Location Name = CC3

Location ID = 3747455e-c10e-42a3-ade4-02204c8793eb

Latitude = 30.9900151404622 °

Longitude = -83.2447932288051 °

**Report Properties**

Start Time = 2022-07-27 12:57:27

Time Offset = -04:00:00

Duration = 00:00:58

Readings = 30

**Instrument Properties**

Device Model = Aqua TROLL 400

Device SN = 734322

**Date Time****RDO Concentration (mg/L) (734143)**

7/27/22 12:57:27.000	5.323151
7/27/22 12:57:29.000	5.323065
7/27/22 12:57:31.000	5.322979
7/27/22 12:57:33.000	5.322893
7/27/22 12:57:35.000	5.329147
7/27/22 12:57:37.000	5.329408
7/27/22 12:57:39.000	5.329669
7/27/22 12:57:41.000	5.32993
7/27/22 12:57:43.000	5.331531
7/27/22 12:57:45.000	5.331724
7/27/22 12:57:47.000	5.331916
7/27/22 12:57:49.000	5.337856
7/27/22 12:57:51.000	5.338158
7/27/22 12:57:53.000	5.338459
7/27/22 12:57:55.000	5.33876
7/27/22 12:57:57.000	5.345541
7/27/22 12:57:59.000	5.345959
7/27/22 12:58:01.000	5.346377
7/27/22 12:58:03.000	5.346796
7/27/22 12:58:05.000	5.346601
7/27/22 12:58:07.000	5.346729
7/27/22 12:58:09.000	5.346858
7/27/22 12:58:11.000	5.351419
7/27/22 12:58:13.000	5.351622
7/27/22 12:58:15.000	5.351825
7/27/22 12:58:17.000	5.352028



7/27/22 12:58:19.000	5.355622
7/27/22 12:58:21.000	5.355867
7/27/22 12:58:23.000	5.356113
7/27/22 12:58:25.000	5.356992

**Location Properties**

Location Name = CC1

Location ID = cc493d3f-095a-43df-af0c-332cb51367f2

Latitude = 31.02548 °

Longitude = -83.22392 °

**Report Properties**

Start Time = 2022-08-03 13:12:54

Time Offset = -04:00:00

Duration = 00:01:00

Readings = 31

**Instrument Properties**

Device Model = Aqua TROLL 400

Device SN = 734322

**Date Time****RDO Concentration (mg/L) (734143)**

8/3/22 13:12:54.000	3.229632
8/3/22 13:12:56.000	3.230468
8/3/22 13:12:58.000	3.230438
8/3/22 13:13:00.000	3.230409
8/3/22 13:13:02.000	3.222261
8/3/22 13:13:04.000	3.221913
8/3/22 13:13:06.000	3.221565
8/3/22 13:13:08.000	3.221218
8/3/22 13:13:10.000	3.215354
8/3/22 13:13:12.000	3.214941
8/3/22 13:13:14.000	3.214528
8/3/22 13:13:16.000	3.212908
8/3/22 13:13:18.000	3.212726
8/3/22 13:13:20.000	3.212543
8/3/22 13:13:22.000	3.212361
8/3/22 13:13:24.000	3.214472
8/3/22 13:13:26.000	3.21453
8/3/22 13:13:28.000	3.214588
8/3/22 13:13:30.000	3.214646
8/3/22 13:13:32.000	3.211907
8/3/22 13:13:34.000	3.21182
8/3/22 13:13:36.000	3.211733
8/3/22 13:13:38.000	3.206997
8/3/22 13:13:40.000	3.206729
8/3/22 13:13:42.000	3.206462
8/3/22 13:13:44.000	3.206194

8/3/22 13:13:46.000	3.20466
8/3/22 13:13:48.000	3.204499
8/3/22 13:13:50.000	3.204339
8/3/22 13:13:52.000	3.205614
8/3/22 13:13:54.000	3.205644

**Location Properties**

Location Name = CC2

Location ID = 33f31380-c779-458c-be64-311b73b88bf3

Latitude = 31.020308 °

Longitude = -83.22962 °

**Report Properties**

Start Time = 2022-08-03 13:32:09

Time Offset = -04:00:00

Duration = 00:00:58

Readings = 30

**Instrument Properties**

Device Model = Aqua TROLL 400

Device SN = 734322

**Date Time****RDO Concentration (mg/L) (734143)**

8/3/22 13:32:09.000	4.707279
8/3/22 13:32:11.000	4.707455
8/3/22 13:32:13.000	4.70763
8/3/22 13:32:15.000	4.707805
8/3/22 13:32:17.000	4.708004
8/3/22 13:32:19.000	4.708086
8/3/22 13:32:21.000	4.708169
8/3/22 13:32:23.000	4.703887
8/3/22 13:32:25.000	4.703694
8/3/22 13:32:27.000	4.703502
8/3/22 13:32:29.000	4.703309
8/3/22 13:32:31.000	4.705323
8/3/22 13:32:33.000	4.705328
8/3/22 13:32:35.000	4.705333
8/3/22 13:32:37.000	4.705338
8/3/22 13:32:39.000	4.700706
8/3/22 13:32:41.000	4.700532
8/3/22 13:32:43.000	4.70036
8/3/22 13:32:45.000	4.697381
8/3/22 13:32:47.000	4.697157
8/3/22 13:32:49.000	4.696934
8/3/22 13:32:51.000	4.696711
8/3/22 13:32:53.000	4.700141
8/3/22 13:32:55.000	4.700231
8/3/22 13:32:57.000	4.70032
8/3/22 13:32:59.000	4.700409

8/3/22 13:33:01.000	4.704701
8/3/22 13:33:03.000	4.70495
8/3/22 13:33:05.000	4.705199
8/3/22 13:33:07.000	4.700182

**Location Properties**

Location Name = CC3

Location ID = fe81f034-f49e-4c13-ae7-c34ab4bcae0d

Latitude = 30.990015 °

Longitude = -83.24479 °

**Report Properties**

Start Time = 2022-08-03 12:55:52

Time Offset = -04:00:00

Duration = 00:00:58

Readings = 30

**Instrument Properties**

Device Model = Aqua TROLL 400

Device SN = 734322

**Date Time****RDO Concentration (mg/L) (734143)**

8/3/22 12:55:52.000	5.360359
8/3/22 12:55:54.000	5.359783
8/3/22 12:55:56.000	5.359207
8/3/22 12:55:58.000	5.363108
8/3/22 12:56:00.000	5.363096
8/3/22 12:56:02.000	5.363084
8/3/22 12:56:04.000	5.363072
8/3/22 12:56:06.000	5.353765
8/3/22 12:56:08.000	5.353418
8/3/22 12:56:10.000	5.353072
8/3/22 12:56:12.000	5.35198
8/3/22 12:56:14.000	5.351754
8/3/22 12:56:16.000	5.351528
8/3/22 12:56:18.000	5.351302
8/3/22 12:56:20.000	5.350475
8/3/22 12:56:22.000	5.350411
8/3/22 12:56:24.000	5.350346
8/3/22 12:56:26.000	5.345398
8/3/22 12:56:28.000	5.345151
8/3/22 12:56:30.000	5.344905
8/3/22 12:56:32.000	5.344658
8/3/22 12:56:34.000	5.346612
8/3/22 12:56:36.000	5.346601
8/3/22 12:56:38.000	5.346589
8/3/22 12:56:40.000	5.346577
8/3/22 12:56:42.000	5.35439

8/3/22 12:56:44.000	5.354769
8/3/22 12:56:46.000	5.355148
8/3/22 12:56:48.000	5.348854
8/3/22 12:56:50.000	5.348706

**Location Properties**

Location Name = CC1

Location ID = cc493d3f-095a-43df-af0c-332cb51367f2

Latitude = 31.02548 °

Longitude = -83.22392 °

**Report Properties**

Start Time = 2022-08-10 12:46:17

Time Offset = -04:00:00

Duration = 00:00:58

Readings = 30

**Instrument Properties**

Device Model = Aqua TROLL 400

Device SN = 734322

**Date Time****RDO Concentration (mg/L) (734143)**

8/10/22 12:46:17.000	5.932302
8/10/22 12:46:19.000	5.932088
8/10/22 12:46:21.000	5.931874
8/10/22 12:46:23.000	5.937019
8/10/22 12:46:25.000	5.937179
8/10/22 12:46:27.000	5.937337
8/10/22 12:46:29.000	5.937497
8/10/22 12:46:31.000	5.937592
8/10/22 12:46:33.000	5.937695
8/10/22 12:46:35.000	5.937797
8/10/22 12:46:37.000	5.945656
8/10/22 12:46:39.000	5.94601
8/10/22 12:46:41.000	5.946363
8/10/22 12:46:43.000	5.946717
8/10/22 12:46:45.000	5.946867
8/10/22 12:46:47.000	5.947022
8/10/22 12:46:49.000	5.947177
8/10/22 12:46:51.000	5.942469
8/10/22 12:46:53.000	5.942256
8/10/22 12:46:55.000	5.942044
8/10/22 12:46:57.000	5.941831
8/10/22 12:46:59.000	5.945242
8/10/22 12:47:01.000	5.945301
8/10/22 12:47:03.000	5.94536
8/10/22 12:47:05.000	5.94542
8/10/22 12:47:07.000	5.935351



8/10/22 12:47:09.000	5.934962
8/10/22 12:47:11.000	5.934572
8/10/22 12:47:13.000	5.927269
8/10/22 12:47:15.000	5.926747

**Location Properties**

Location Name = CC2

Location ID = 33f31380-c779-458c-be64-311b73b88bf3

Latitude = 31.020308 °

Longitude = -83.22962 °

**Report Properties**

Start Time = 2022-08-10 13:20:07

Time Offset = -04:00:00

Duration = 00:00:58

Readings = 30

**Instrument Properties**

Device Model = Aqua TROLL 400

Device SN = 734322

**Date Time****RDO Concentration (mg/L) (734143)**

8/10/22 13:20:07.000	5.234564
8/10/22 13:20:09.000	5.234337
8/10/22 13:20:11.000	5.232711
8/10/22 13:20:13.000	5.232571
8/10/22 13:20:15.000	5.232431
8/10/22 13:20:17.000	5.232292
8/10/22 13:20:19.000	5.241027
8/10/22 13:20:21.000	5.241378
8/10/22 13:20:23.000	5.24173
8/10/22 13:20:25.000	5.242081
8/10/22 13:20:27.000	5.240734
8/10/22 13:20:29.000	5.240833
8/10/22 13:20:31.000	5.240932
8/10/22 13:20:33.000	5.243932
8/10/22 13:20:35.000	5.244045
8/10/22 13:20:37.000	5.244158
8/10/22 13:20:39.000	5.244271
8/10/22 13:20:41.000	5.240197
8/10/22 13:20:43.000	5.240077
8/10/22 13:20:45.000	5.239959
8/10/22 13:20:47.000	5.23984
8/10/22 13:20:49.000	5.239622
8/10/22 13:20:51.000	5.23954
8/10/22 13:20:53.000	5.239458
8/10/22 13:20:55.000	5.236321
8/10/22 13:20:57.000	5.236175

8/10/22 13:20:59.000	5.236029
8/10/22 13:21:01.000	5.235883
8/10/22 13:21:03.000	5.241878
8/10/22 13:21:05.000	5.242079

**Location Properties**

Location Name = CC3

Location ID = fe81f034-f49e-4c13-ae7-c34ab4bcae0d

Latitude = 30.990015 °

Longitude = -83.24479 °

**Report Properties**

Start Time = 2022-08-10 13:00:32

Time Offset = -04:00:00

Duration = 00:00:58

Readings = 30

**Instrument Properties**

Device Model = Aqua TROLL 400

Device SN = 734322

**Date Time****RDO Concentration (mg/L) (734143)**

8/10/22 13:00:32.000	3.94238
8/10/22 13:00:34.000	3.939903
8/10/22 13:00:36.000	3.939739
8/10/22 13:00:38.000	3.939576
8/10/22 13:00:40.000	3.939413
8/10/22 13:00:42.000	3.935436
8/10/22 13:00:44.000	3.935209
8/10/22 13:00:46.000	3.934983
8/10/22 13:00:48.000	3.939821
8/10/22 13:00:50.000	3.939968
8/10/22 13:00:52.000	3.940116
8/10/22 13:00:54.000	3.940263
8/10/22 13:00:56.000	3.942836
8/10/22 13:00:58.000	3.943041
8/10/22 13:01:00.000	3.943247
8/10/22 13:01:02.000	3.946751
8/10/22 13:01:04.000	3.946958
8/10/22 13:01:06.000	3.947165
8/10/22 13:01:08.000	3.947373
8/10/22 13:01:10.000	3.946314
8/10/22 13:01:12.000	3.946334
8/10/22 13:01:14.000	3.946354
8/10/22 13:01:16.000	3.946373
8/10/22 13:01:18.000	3.943965
8/10/22 13:01:20.000	3.943842
8/10/22 13:01:22.000	3.943719

8/10/22 13:01:24.000	3.942106
8/10/22 13:01:26.000	3.94199
8/10/22 13:01:28.000	3.941874
8/10/22 13:01:30.000	3.941758

**Location Properties**

Location Name = CC1

Location ID = cc493d3f-095a-43df-af0c-332cb51367f2

Latitude = 31.02548 °

Longitude = -83.22392 °

**Report Properties**

Start Time = 2022-08-18 12:25:51

Time Offset = -04:00:00

Duration = 00:00:58

Readings = 30

**Instrument Properties**

Device Model = Aqua TROLL 400

Device SN = 734322

**Date Time****RDO Concentration (mg/L) (734143)**

8/18/22 12:25:51.000	3.765374
8/18/22 12:25:53.000	3.765217
8/18/22 12:25:55.000	3.765059
8/18/22 12:25:57.000	3.760723
8/18/22 12:25:59.000	3.760513
8/18/22 12:26:01.000	3.760303
8/18/22 12:26:03.000	3.760093
8/18/22 12:26:05.000	3.757292
8/18/22 12:26:07.000	3.757081
8/18/22 12:26:09.000	3.756869
8/18/22 12:26:11.000	3.753632
8/18/22 12:26:13.000	3.753433
8/18/22 12:26:15.000	3.753234
8/18/22 12:26:17.000	3.753035
8/18/22 12:26:19.000	3.749511
8/18/22 12:26:21.000	3.74929
8/18/22 12:26:23.000	3.749069
8/18/22 12:26:25.000	3.748446
8/18/22 12:26:27.000	3.748351
8/18/22 12:26:29.000	3.748256
8/18/22 12:26:31.000	3.748161
8/18/22 12:26:33.000	3.747635
8/18/22 12:26:35.000	3.747598
8/18/22 12:26:37.000	3.747561
8/18/22 12:26:39.000	3.747524
8/18/22 12:26:41.000	3.75032

8/18/22 12:26:43.000	3.750433
8/18/22 12:26:45.000	3.750546
8/18/22 12:26:47.000	3.747776
8/18/22 12:26:49.000	3.7477

**Location Properties**

Location Name = CC2

Location ID = 33f31380-c779-458c-be64-311b73b88bf3

Latitude = 31.020308 °

Longitude = -83.22962 °

**Report Properties**

Start Time = 2022-08-18 12:44:21

Time Offset = -04:00:00

Duration = 00:00:58

Readings = 30

**Instrument Properties**

Device Model = Aqua TROLL 400

Device SN = 734322

**Date Time****RDO Concentration (mg/L) (734143)**

8/18/22 12:44:21.000	4.91245
8/18/22 12:44:23.000	4.912203
8/18/22 12:44:25.000	4.910973
8/18/22 12:44:27.000	4.91087
8/18/22 12:44:29.000	4.910766
8/18/22 12:44:31.000	4.907775
8/18/22 12:44:33.000	4.907612
8/18/22 12:44:35.000	4.907449
8/18/22 12:44:37.000	4.907286
8/18/22 12:44:39.000	4.9067
8/18/22 12:44:41.000	4.906614
8/18/22 12:44:43.000	4.906529
8/18/22 12:44:45.000	4.90543
8/18/22 12:44:47.000	4.905368
8/18/22 12:44:49.000	4.905305
8/18/22 12:44:51.000	4.905243
8/18/22 12:44:53.000	4.897741
8/18/22 12:44:55.000	4.897377
8/18/22 12:44:57.000	4.897014
8/18/22 12:44:59.000	4.89665
8/18/22 12:45:01.000	4.898599
8/18/22 12:45:03.000	4.898535
8/18/22 12:45:05.000	4.89847
8/18/22 12:45:07.000	4.900689
8/18/22 12:45:09.000	4.900821
8/18/22 12:45:11.000	4.900954



8/18/22 12:45:13.000	4.901086
8/18/22 12:45:15.000	4.903177
8/18/22 12:45:17.000	4.903313
8/18/22 12:45:19.000	4.90345

**Location Properties**

Location Name = CC3

Location ID = fe81f034-f49e-4c13-ae7-c34ab4bcae0d

Latitude = 30.990015 °

Longitude = -83.24479 °

**Report Properties**

Start Time = 2022-08-18 12:11:21

Time Offset = -04:00:00

Duration = 00:00:58

Readings = 30

**Instrument Properties**

Device Model = Aqua TROLL 400

Device SN = 734322

**Date Time****RDO Concentration (mg/L) (734143)**

8/18/22 12:11:21.000	5.870385
8/18/22 12:11:23.000	5.870527
8/18/22 12:11:25.000	5.870669
8/18/22 12:11:27.000	5.872236
8/18/22 12:11:29.000	5.872357
8/18/22 12:11:31.000	5.872479
8/18/22 12:11:33.000	5.862381
8/18/22 12:11:35.000	5.861949
8/18/22 12:11:37.000	5.861517
8/18/22 12:11:39.000	5.861086
8/18/22 12:11:41.000	5.859073
8/18/22 12:11:43.000	5.858788
8/18/22 12:11:45.000	5.858503
8/18/22 12:11:47.000	5.858218
8/18/22 12:11:49.000	5.862044
8/18/22 12:11:51.000	5.862161
8/18/22 12:11:53.000	5.862278
8/18/22 12:11:55.000	5.862968
8/18/22 12:11:57.000	5.863061
8/18/22 12:11:59.000	5.863155
8/18/22 12:12:01.000	5.863248
8/18/22 12:12:03.000	5.861442
8/18/22 12:12:05.000	5.861374
8/18/22 12:12:07.000	5.861307
8/18/22 12:12:09.000	5.858932
8/18/22 12:12:11.000	5.858794

8/18/22 12:12:13.000	5.858655
8/18/22 12:12:15.000	5.858516
8/18/22 12:12:17.000	5.858502
8/18/22 12:12:19.000	5.858458

**Location Properties**

Location Name = CC1

Location ID = cc493d3f-095a-43df-af0c-332cb51367f2

Latitude = 31.02548 °

Longitude = -83.22392 °

**Report Properties**

Start Time = 2022-08-25 12:39:59

Time Offset = -04:00:00

Duration = 00:00:58

Readings = 30

**Instrument Properties**

Device Model = Aqua TROLL 400

Device SN = 734322

**Date Time****RDO Concentration (mg/L) (734143)**

8/25/22 12:39:59.000	3.585104
8/25/22 12:40:01.000	3.585221
8/25/22 12:40:03.000	3.585338
8/25/22 12:40:05.000	3.585454
8/25/22 12:40:07.000	3.582907
8/25/22 12:40:09.000	3.582814
8/25/22 12:40:11.000	3.582721
8/25/22 12:40:13.000	3.588395
8/25/22 12:40:15.000	3.5886
8/25/22 12:40:17.000	3.588804
8/25/22 12:40:19.000	3.58901
8/25/22 12:40:21.000	3.582846
8/25/22 12:40:23.000	3.582672
8/25/22 12:40:25.000	3.582498
8/25/22 12:40:27.000	3.578676
8/25/22 12:40:29.000	3.578385
8/25/22 12:40:31.000	3.578094
8/25/22 12:40:33.000	3.577803
8/25/22 12:40:35.000	3.578686
8/25/22 12:40:37.000	3.578649
8/25/22 12:40:39.000	3.57861
8/25/22 12:40:41.000	3.578572
8/25/22 12:40:43.000	3.582388
8/25/22 12:40:45.000	3.582569
8/25/22 12:40:47.000	3.58275
8/25/22 12:40:49.000	3.582338

8/25/22 12:40:51.000	3.582388
8/25/22 12:40:53.000	3.582438
8/25/22 12:40:55.000	3.582488
8/25/22 12:40:57.000	3.580994

**Location Properties**

Location Name = CC2

Location ID = 33f31380-c779-458c-be64-311b73b88bf3

Latitude = 31.020308 °

Longitude = -83.22962 °

**Report Properties**

Start Time = 2022-08-25 12:58:27

Time Offset = -04:00:00

Duration = 00:01:00

Readings = 31

**Instrument Properties**

Device Model = Aqua TROLL 400

Device SN = 734322

**Date Time****RDO Concentration (mg/L) (734143)**

8/25/22 12:58:27.000	4.904654
8/25/22 12:58:29.000	4.90432
8/25/22 12:58:31.000	4.903985
8/25/22 12:58:33.000	4.914956
8/25/22 12:58:35.000	4.915429
8/25/22 12:58:37.000	4.915901
8/25/22 12:58:39.000	4.916374
8/25/22 12:58:41.000	4.922431
8/25/22 12:58:43.000	4.922913
8/25/22 12:58:45.000	4.923395
8/25/22 12:58:47.000	4.923877
8/25/22 12:58:49.000	4.925748
8/25/22 12:58:51.000	4.925954
8/25/22 12:58:53.000	4.92616
8/25/22 12:58:55.000	4.925042
8/25/22 12:58:57.000	4.92503
8/25/22 12:58:59.000	4.925019
8/25/22 12:59:01.000	4.925008
8/25/22 12:59:03.000	4.923701
8/25/22 12:59:05.000	4.923624
8/25/22 12:59:07.000	4.923546
8/25/22 12:59:09.000	4.923469
8/25/22 12:59:11.000	4.926338
8/25/22 12:59:13.000	4.92644
8/25/22 12:59:15.000	4.926542
8/25/22 12:59:17.000	4.93155

8/25/22 12:59:19.000	4.931831
8/25/22 12:59:21.000	4.932111
8/25/22 12:59:23.000	4.932392
8/25/22 12:59:25.000	4.930809
8/25/22 12:59:27.000	4.93084

**Location Properties**

Location Name = CC3

Location ID = fe81f034-f49e-4c13-ae7-c34ab4bcae0d

Latitude = 30.990015 °

Longitude = -83.24479 °

**Report Properties**

Start Time = 2022-08-25 12:25:37

Time Offset = -04:00:00

Duration = 00:00:58

Readings = 30

**Instrument Properties**

Device Model = Aqua TROLL 400

Device SN = 734322

**Date Time****RDO Concentration (mg/L) (734143)**

8/25/22 12:25:37.000	5.697869
8/25/22 12:25:39.000	5.697178
8/25/22 12:25:41.000	5.696486
8/25/22 12:25:43.000	5.705751
8/25/22 12:25:45.000	5.705995
8/25/22 12:25:47.000	5.706238
8/25/22 12:25:49.000	5.714713
8/25/22 12:25:51.000	5.715252
8/25/22 12:25:53.000	5.715791
8/25/22 12:25:55.000	5.71633
8/25/22 12:25:57.000	5.718566
8/25/22 12:25:59.000	5.718826
8/25/22 12:26:01.000	5.719086
8/25/22 12:26:03.000	5.719347
8/25/22 12:26:05.000	5.718244
8/25/22 12:26:07.000	5.718246
8/25/22 12:26:09.000	5.71825
8/25/22 12:26:11.000	5.719096
8/25/22 12:26:13.000	5.71912
8/25/22 12:26:15.000	5.719143
8/25/22 12:26:17.000	5.719167
8/25/22 12:26:19.000	5.713722
8/25/22 12:26:21.000	5.713493
8/25/22 12:26:23.000	5.713264
8/25/22 12:26:25.000	5.713035
8/25/22 12:26:27.000	5.710609



8/25/22 12:26:29.000	5.710398
8/25/22 12:26:31.000	5.710186
8/25/22 12:26:33.000	5.702091
8/25/22 12:26:35.000	5.701675

Lovell Engineering Associates  
3998 Inner Perimeter Road  
Valdosta, GA 31602

PO #: n/a  
Client Project #: LCI  
Date Sampled: Mar 1, 2022  
Mar 11, 2022; Invoice: 500656

### Report Summary

Date Received: Mar 1, 2022

FCL Project Manager: William J. Rogers

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
500656SW1	WR 2	COLILERT-18 EPA245.1	DTB PCW	North Lab Main Lab	Surface Water
500656SW2	WR 1	COLILERT-18 EPA245.1	DTB PCW	North Lab Main Lab	Surface Water
500656SW3	FC 0	COLILERT-18	DTB	North Lab	Surface Water
500656SW4	FC 1	COLILERT-18	DTB	North Lab	Surface Water
500656SW5	FC 2	COLILERT-18	DTB	North Lab	Surface Water
500656SW6	WR 3	COLILERT-18 EPA245.1	DTB PCW	North Lab Main Lab	Surface Water
500656SW7	WR 4	COLILERT-18 EPA245.1 EPA6020B	DTB PCW EVB	North Lab Main Lab Main Lab	Surface Water
500656SW8	WR 5	COLILERT-18 EPA245.1 EPA6020B	DTB PCW EVB	North Lab Main Lab Main Lab	Surface Water
500656SW9	WR 6	EPA245.1	PCW	Main Lab	Surface Water
500656SW10	WRT 1	COLILERT-18	DTB	North Lab	Surface Water
500656SW11	WRT 2	COLILERT-18	DTB	North Lab	Surface Water

#### Certificate of Results

Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAC Standards except as noted in the Quality Control Report. Uncertainties for these data are available on request. This report may not be reproduced in part; results relate only to items tested.



Jefferson S. Flowers, Ph.D.  
Technical Director

Lovell Engineering Associates  
3998 Inner Perimeter Road  
Valdosta, GA 31602

PO #: n/a  
Client Project #: LCI  
Date Sampled: Mar 1, 2022  
Mar 11, 2022; Invoice: 500656

### Analysis Report

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
500656SW1	03/01/22 07:52 AM	WR 2	Fecal Coliform	52.0	mpn/100mL	10.0	10.0	10.0	10494814	COLILERT-18	E761792	03/01/22 01:00 PM
			Mercury	0.00000500	U mg/L	1.00	0.00000500	0.0000100	10496775	EPA245.1	7439-97-6	03/11/22
500656SW2	03/01/22 08:13 AM	WR 1	Fecal Coliform	145	mpn/100mL	10.0	10.0	10.0	10494814	COLILERT-18	E761792	03/01/22 01:00 PM
			Mercury	0.00000500	U mg/L	1.00	0.00000500	0.0000100	10496775	EPA245.1	7439-97-6	03/11/22
500656SW3	03/01/22 08:33 AM	FC 0	Fecal Coliform	135	mpn/100mL	10.0	10.0	10.0	10494814	COLILERT-18	E761792	03/01/22 01:00 PM
500656SW4	03/01/22 08:45 AM	FC 1	Fecal Coliform	393	mpn/100mL	10.0	10.0	10.0	10494814	COLILERT-18	E761792	03/01/22 01:00 PM
500656SW5	03/01/22 08:58 AM	FC 2	Fecal Coliform	345	mpn/100mL	10.0	10.0	10.0	10494814	COLILERT-18	E761792	03/01/22 01:00 PM
500656SW6	03/01/22 09:13 AM	WR 3	Fecal Coliform	86.0	mpn/100mL	10.0	10.0	10.0	10494814	COLILERT-18	E761792	03/01/22 01:00 PM
			Mercury	0.00000500	U mg/L	1.00	0.00000500	0.0000100	10496775	EPA245.1	7439-97-6	03/11/22
500656SW7	03/01/22 09:46 AM	WR 4										

Lovell Engineering Associates  
3998 Inner Perimeter Road  
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PO #: n/a  
Client Project #: LCI  
Date Sampled: Mar 1, 2022  
Mar 11, 2022; Invoice: 500656

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
<b>500656SW7</b>	<b>03/01/22 09:46 AM</b>	<b>WR 4</b>										
			Fecal Coliform	169	mpn/100mL	10.0	10.0	10.0	10494814	COLILERT-18	E761792	03/01/22 01:00 PM
			Lead,Dissolved	0.00100 U	mg/L	1.00	0.00100	0.00200	10494980	EPA6020B		03/02/22
			Mercury	0.00000500 U	mg/L	1.00	0.00000500	0.0000100	10496775	EPA245.1	7439-97-6	03/11/22
<b>500656SW8</b>	<b>03/01/22 10:25 AM</b>	<b>WR 5</b>										
			Fecal Coliform	20.0	mpn/100mL	10.0	10.0	10.0	10494814	COLILERT-18	E761792	03/01/22 01:00 PM
			Lead,Dissolved	0.00100 U	mg/L	1.00	0.00100	0.00200	10494980	EPA6020B		03/02/22
			Mercury	0.00000500 U	mg/L	1.00	0.00000500	0.0000100	10496775	EPA245.1	7439-97-6	03/11/22
<b>500656SW9</b>	<b>03/01/22 10:48 AM</b>	<b>WR 6</b>										
			Mercury	0.00000500 U	mg/L	1.00	0.00000500	0.0000100	10496775	EPA245.1	7439-97-6	03/11/22
<b>500656SW10</b>	<b>03/01/22 11:03 AM</b>	<b>WRT 1</b>										
			Fecal Coliform	187	mpn/100mL	10.0	10.0	10.0	10494814	COLILERT-18	E761792	03/01/22 01:00 PM
<b>500656SW11</b>	<b>03/01/22 11:21 AM</b>	<b>WRT 2</b>										
			Fecal Coliform	487	mpn/100mL	10.0	10.0	10.0	10494814	COLILERT-18	E761792	03/01/22 01:00 PM

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### Quality Report

<b>Quality Control Batch:</b> 10494980		<b>Analyst:</b> EVB						
<b>Blank</b>	<b>Result</b>	<b>Units</b>						
Lead, Dissolved	0.00100U	mg/L						
<b>Laboratory Control Sample</b>	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>			
Lead, Dissolved	0.102	mg/L	0.100	102.00	80.00-120.00			
<b>Matrix Spike</b>	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>	<b>Sample</b>	<b>Lab Number</b>	
Lead, Dissolved	0.0993	mg/L	0.100	99.30	75.00-125.00	0.00100U	500656SW7	
<b>Matrix Spike Duplicate</b>	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>	<b>Sample</b>	<b>RPD</b>	<b>RPD Lim</b>
Lead, Dissolved	0.0982	mg/L	0.100	98.20	75.00-125.00	0.00100U	1.11	20.00
<b>Quality Control Batch:</b> 10496775		<b>Analyst:</b> PCW						
<b>Blank</b>	<b>Result</b>	<b>Units</b>						
Mercury	0.00000500U	mg/L						
<b>Laboratory Control Sample</b>	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>			
Mercury	0.0000169	mg/L	0.0000200	84.60	80.00-120.00			
<b>Matrix Spike</b>	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>	<b>Sample</b>	<b>Lab Number</b>	
Mercury	0.0000499	mg/L	0.0000500	95.56	80.00-120.00	0.00000210	500656SW1	
<b>Matrix Spike Duplicate</b>	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>	<b>Sample</b>	<b>RPD</b>	<b>RPD Lim</b>
Mercury	0.0000489	mg/L	0.0000500	93.62	80.00-120.00	0.00000210	1.96	20.00



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Valdosta, GA 31602

PO #: n/a  
Client Project #: LCI  
Date Sampled: Mar 1, 2022  
Mar 11, 2022; Invoice: 500656

## Narrative Report

### Sample Handling

Sample handling and holding time criteria were met for all samples. Samples collected by submitter. No unusual events occurred during analysis. Results are reported on a wet weight basis for aqueous matrices and on a dry weight basis for sludge and soil matrices unless otherwise noted.

### Quality Control

Enclosed analyses met method or Lab criteria, unless otherwise denoted on the sample results. Applied data qualifiers are defined below.

### Attachments

Chain of Custody

Qualifier	Meaning
U	Compound was analyzed for but not detected.
J	Estimated value; one or more QC components associated with this data value exceed current QC limits.
Q	Sample held beyond the accepted holding time.
L	Off-scale high; reported concentration exceeds the highest standard.
V	Analyte was detected in both the sample and the associated method blank.
W	The dissolved oxygen blank was above 0.2 mg/L but less than the MDL.
Z	Too numerous to count colonies on plate.
A	Absent
P	Present
T	Value reported is less than the statistical method detection limit. Reported for informational purposes only.
M	Value reported is greater than the statistical method detection limit, but less than the reported MDL.
G	The greatest of the dilutions performed did not yield sufficient oxygen depletion for valid data.
S	The least of the dilutions performed did not yield sufficient oxygen residual for valid data.
O	Result is greater than (over) the specified value.
I	Reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
B	Results based upon colony plate count outside ideal range.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.



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Valdosta, GA 31602

PO #: n/a  
Client Project #: LCI  
Date Sampled: Mar 2, 2022  
Mar 11, 2022; Invoice: 500791

### Report Summary

Date Received: Mar 2, 2022

FCL Project Manager: William J. Rogers

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
500791SW1	AR 1	EPA245.1	PCW	Main Lab	Surface Water
500791SW2	MC 2	COLILERT-18	DTB	North Lab	Surface Water
500791SW3	MC 1	COLILERT-18	DTB	North Lab	Surface Water
500791SW4	JG 2	COLILERT-18	DTB	North Lab	Surface Water
500791SW5	WR 7	EPA245.1	PCW	Main Lab	Surface Water

### Certificate of Results

Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAC Standards except as noted in the Quality Control Report. Uncertainties for these data are available on request. This report may not be reproduced in part; results relate only to items tested.



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Technical Director



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Valdosta, GA 31602

PO #: n/a  
Client Project #: LCI  
Date Sampled: Mar 2, 2022  
Mar 11, 2022; Invoice: 500791

**Analysis Report**

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
500791SW1	03/02/22 08:29 AM	AR 1	Mercury	0.00000500	U mg/L	1.00	0.00000500	0.0000100	10496775	EPA245.1	7439-97-6	03/11/22
500791SW2	03/02/22 09:13 AM	MC 2	Fecal Coliform	256	mpn/100mL	10.0	10.0	10.0	10494996	COLILERT-18	E761792	03/02/22 11:30 AM
500791SW3	03/02/22 08:58 AM	MC 1	Fecal Coliform	52.0	mpn/100mL	10.0	10.0	10.0	10494996	COLILERT-18	E761792	03/02/22 11:30 AM
500791SW4	03/02/22 09:41 AM	JG 2	Fecal Coliform	288	mpn/100mL	10.0	10.0	10.0	10494996	COLILERT-18	E761792	03/02/22 11:30 AM
500791SW5	03/02/22 10:12 AM	WR 7	Mercury	0.00000500	U mg/L	1.00	0.00000500	0.0000100	10496775	EPA245.1	7439-97-6	03/11/22



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PO #: n/a  
Client Project #: LCI  
Date Sampled: Mar 2, 2022  
Mar 11, 2022; Invoice: 500791

### Quality Report

Quality Control Batch: 10496775		Analyst: PCW							
<b>Blank</b>		<b>Result</b>	<b>Units</b>						
Mercury		0.00000500U	mg/L						
<b>Laboratory Control Sample</b>		<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>			
Mercury		0.0000169	mg/L	0.0000200	84.60	80.00-120.00			
<b>Matrix Spike</b>		<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>	<b>Sample</b>	<b>Lab Number</b>	
Mercury		0.0000499	mg/L	0.0000500	95.56	80.00-120.00	0.00000210	500656SW1	
<b>Matrix Spike Duplicate</b>		<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>	<b>Sample</b>	<b>RPD</b>	<b>RPD Lim</b>
Mercury		0.0000489	mg/L	0.0000500	93.62	80.00-120.00	0.00000210	1.96	20.00



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PO #: n/a  
Client Project #: LCI  
Date Sampled: Mar 2, 2022  
Mar 11, 2022; Invoice: 500791

## Narrative Report

### Sample Handling

Sample handling and holding time criteria were met for all samples. Samples collected by submitter. No unusual events occurred during analysis. Results are reported on a wet weight basis for aqueous matrices and on a dry weight basis for sludge and soil matrices unless otherwise noted.

### Quality Control

Enclosed analyses met method or Lab criteria, unless otherwise denoted on the sample results. Applied data qualifiers are defined below.

### Attachments

Chain of Custody

Qualifier	Meaning
U	Compound was analyzed for but not detected.
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Lovell Engineering Associates  
3998 Inner Perimeter Road  
Valdosta, GA 31602

PO #: LCI  
Client Project #: n/a  
Date Sampled: Mar 8, 2022  
Mar 9, 2022; Invoice: 501403

### Report Summary

Date Received: Mar 8, 2022

FCL Project Manager: William J. Rogers

Laboratory #	Sample Description	Analysis	Chemist	Location	SampleMatrix
501403SW1	WR 2	COLILERT-18	GMR	North Lab	Surface Water
501403SW2	WR 1	COLILERT-18	GMR	North Lab	Surface Water
501403SW3	FC 0	COLILERT-18	GMR	North Lab	Surface Water
501403SW4	FC 1	COLILERT-18	GMR	North Lab	Surface Water
501403SW5	FC 2	COLILERT-18	GMR	North Lab	Surface Water
501403SW6	WR 3	COLILERT-18	GMR	North Lab	Surface Water
501403SW7	WR 4	COLILERT-18	GMR	North Lab	Surface Water
501403SW8	WR 5	COLILERT-18	GMR	North Lab	Surface Water

### Certificate of Results

Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAP Standards except as noted in the Quality Control Report. Uncertainties for these data are available on request. This report may not be reproduced in part; results relate only to items tested.



Jefferson S. Flowers, Ph.D.  
Technical Director

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3998 Inner Perimeter Road  
Valdosta, GA 31602

PO #: LCI  
Client Project #: n/a  
Date Sampled: Mar 8, 2022  
Mar 9, 2022; Invoice: 501403

### Analysis Report

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
501403SW1	03/08/22 10:00 AM	WR 2	Fecal Coliform	85.0	mpn/100mL	10.0	10.0	10.0	10495410	COLILERT-18	E761792	03/08/22 02:00 PM
501403SW2	03/08/22 10:21 AM	WR 1	Fecal Coliform	134	mpn/100mL	10.0	10.0	10.0	10495410	COLILERT-18	E761792	03/08/22 02:00 PM
501403SW3	03/08/22 10:37 AM	FC 0	Fecal Coliform	331	mpn/100mL	10.0	10.0	10.0	10495410	COLILERT-18	E761792	03/08/22 02:00 PM
501403SW4	03/08/22 10:48 AM	FC 1	Fecal Coliform	201	mpn/100mL	10.0	10.0	10.0	10495410	COLILERT-18	E761792	03/08/22 02:00 PM
501403SW5	03/08/22 11:03 AM	FC 2	Fecal Coliform	120	mpn/100mL	10.0	10.0	10.0	10495410	COLILERT-18	E761792	03/08/22 02:00 PM
501403SW6	03/08/22 11:23 AM	WR 3	Fecal Coliform	134	mpn/100mL	10.0	10.0	10.0	10495410	COLILERT-18	E761792	03/08/22 02:00 PM
501403SW7	03/08/22 11:45 AM	WR 4	Fecal Coliform	109	mpn/100mL	10.0	10.0	10.0	10495410	COLILERT-18	E761792	03/08/22 02:00 PM



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PO #: LCI  
Client Project #: n/a  
Date Sampled: Mar 8, 2022  
Mar 9, 2022; Invoice: 501403

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
501403SW8	03/08/22 12:06 AM	WR 5	Fecal Coliform	85.0	mpn/100mL	10.0	10.0	10.0	10495410	COLILERT-18	E761792	03/08/22 02:00 PM



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Mar 9, 2022; Invoice: 501403



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PO #: LCI  
Client Project #: n/a  
Date Sampled: Mar 8, 2022  
Mar 9, 2022; Invoice: 501403

## Narrative Report

### Sample Handling

Sample handling and holding time criteria were met for all samples. Samples collected by submitter. No unusual events occurred during analysis. Results are reported on a wet weight basis for aqueous matrices and on a dry weight basis for sludge and soil matrices unless otherwise noted.

### Quality Control

Enclosed analyses met method or Lab criteria, unless otherwise denoted on the sample results. Applied data qualifiers are defined below.

### Attachments

Chain of Custody

Qualifier	Meaning
U	Compound was analyzed for but not detected.
J	Estimated value; one or more QC components associated with this data value exceed current QC limits.
Q	Sample held beyond the accepted holding time.
L	Off-scale high; reported concentration exceeds the highest standard.
V	Analyte was detected in both the sample and the associated method blank.
W	The dissolved oxygen blank was above 0.2 mg/L but less than the MDL.
Z	Too numerous to count colonies on plate.
A	Absent
P	Present
T	Value reported is less than the statistical method detection limit. Reported for informational purposes only.
M	Value reported is greater than the statistical method detection limit, but less than the reported MDL.
G	The greatest of the dilutions performed did not yield sufficient oxygen depletion for valid data.
S	The least of the dilutions performed did not yield sufficient oxygen residual for valid data.
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3998 Inner Perimeter Road  
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PO #: n/a  
Client Project #: LCI  
Date Sampled: Mar 9, 2022  
Mar 10, 2022; Invoice: 501509

### Report Summary

Date Received: Mar 9, 2022

FCL Project Manager: William J. Rogers

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
501509SW1	MC 1	COLILERT-18	DTB	North Lab	Surface Water
501509SW2	MC 2	COLILERT-18	DTB	North Lab	Surface Water
501509SW3	JG 2	COLILERT-18	DTB	North Lab	Surface Water
501509SW4	WRT 1	COLILERT-18	DTB	North Lab	Surface Water
501509SW5	WRT 2	COLILERT-18	DTB	North Lab	Surface Water

### Certificate of Results

Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAC Standards except as noted in the Quality Control Report. Uncertainties for these data are available on request. This report may not be reproduced in part; results relate only to items tested.



**Jefferson S. Flowers, Ph.D.**  
Technical Director





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Phone: 305-743-8598 E35834 (Keys Lab)

Lovell Engineering Associates  
3998 Inner Perimeter Road  
Valdosta, GA 31602

PO #: n/a  
Client Project #: LCI  
Date Sampled: Mar 9, 2022  
Mar 10, 2022; Invoice: 501509

**Analysis Report**

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
501509SW1	03/09/22 08:42 AM	MC 1	Fecal Coliform	85.0	mpn/100mL	10.0	10.0	10.0	10495571	COLILERT-18	E761792	03/09/22 12:00 PM
501509SW2	03/09/22 08:56 AM	MC 2	Fecal Coliform	148	mpn/100mL	10.0	10.0	10.0	10495571	COLILERT-18	E761792	03/09/22 12:00 PM
501509SW3	03/09/22 10:01 AM	JG 2	Fecal Coliform	218	mpn/100mL	10.0	10.0	10.0	10495571	COLILERT-18	E761792	03/09/22 12:00 PM
501509SW4	03/09/22 09:33 AM	WRT 1	Fecal Coliform	116	mpn/100mL	10.0	10.0	10.0	10495571	COLILERT-18	E761792	03/09/22 12:00 PM
501509SW5	03/09/22 09:41 AM	WRT 2	Fecal Coliform	86.0	mpn/100mL	10.0	10.0	10.0	10495571	COLILERT-18	E761792	03/09/22 12:00 PM



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Client Project #: LCI  
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Mar 10, 2022; Invoice: 501509



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PO #: n/a  
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Mar 10, 2022; Invoice: 501509

## Narrative Report

### Sample Handling

Sample handling and holding time criteria were met for all samples. Samples collected by submitter. No unusual events occurred during analysis. Results are reported on a wet weight basis for aqueous matrices and on a dry weight basis for sludge and soil matrices unless otherwise noted.

### Quality Control

Enclosed analyses met method or Lab criteria, unless otherwise denoted on the sample results. Applied data qualifiers are defined below.

### Attachments

Chain of Custody

Qualifier	Meaning
U	Compound was analyzed for but not detected.
J	Estimated value; one or more QC components associated with this data value exceed current QC limits.
Q	Sample held beyond the accepted holding time.
L	Off-scale high; reported concentration exceeds the highest standard.
V	Analyte was detected in both the sample and the associated method blank.
W	The dissolved oxygen blank was above 0.2 mg/L but less than the MDL.
Z	Too numerous to count colonies on plate.
A	Absent
P	Present
T	Value reported is less than the statistical method detection limit. Reported for informational purposes only.
M	Value reported is greater than the statistical method detection limit, but less than the reported MDL.
G	The greatest of the dilutions performed did not yield sufficient oxygen depletion for valid data.
S	The least of the dilutions performed did not yield sufficient oxygen residual for valid data.
O	Result is greater than (over) the specified value.
I	Reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
B	Results based upon colony plate count outside ideal range.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.



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Lovell Engineering Associates  
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PO #: n/a  
Client Project #: LCI  
Date Sampled: Mar 15, 2022  
Mar 16, 2022; Invoice: 502072

### Report Summary

Date Received: Mar 15, 2022

FCL Project Manager: William J. Rogers

Laboratory #	Sample Description	Analysis	Chemist	Location	SampleMatrix
502072SW1	WR2	COLILERT-18	GMR	North Lab	Surface Water
502072SW2	WR 1	COLILERT-18	GMR	North Lab	Surface Water
502072SW3	FC 0	COLILERT-18	GMR	North Lab	Surface Water
502072SW4	FC 1	COLILERT-18	GMR	North Lab	Surface Water
502072SW5	FC 2	COLILERT-18	GMR	North Lab	Surface Water
502072SW6	WR3	COLILERT-18	GMR	North Lab	Surface Water
502072SW7	WR4	COLILERT-18	GMR	North Lab	Surface Water
502072SW8	WR5	COLILERT-18	GMR	North Lab	Surface Water

### Certificate of Results

Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAP Standards except as noted in the Quality Control Report. Uncertainties for these data are available on request. This report may not be reproduced in part; results relate only to items tested.



Jefferson S. Flowers, Ph.D.  
Technical Director

Lovell Engineering Associates  
 3998 Inner Perimeter Road  
 Valdosta, GA 31602

 PO #: n/a  
 Client Project #: LCI  
 Date Sampled: Mar 15, 2022  
 Mar 16, 2022; Invoice: 502072

**Analysis Report**

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
502072SW1	03/15/22 09:35 AM	WR2	Fecal Coliform	109	mpn/100mL	10.0	10.0	10.0	10497030	COLILERT-18	E761792	03/15/22 01:30 PM
502072SW2	03/15/22 09:53 AM	WR 1	Fecal Coliform	122	mpn/100mL	10.0	10.0	10.0	10497030	COLILERT-18	E761792	03/15/22 01:30 PM
502072SW3	03/15/22 10:09 AM	FC 0	Fecal Coliform	108	mpn/100mL	10.0	10.0	10.0	10497030	COLILERT-18	E761792	03/15/22 01:30 PM
502072SW4	03/15/22 10:20 AM	FC 1	Fecal Coliform	195	mpn/100mL	10.0	10.0	10.0	10497030	COLILERT-18	E761792	03/15/22 01:30 PM
502072SW5	03/15/22 10:36 AM	FC 2	Fecal Coliform	189	mpn/100mL	10.0	10.0	10.0	10497030	COLILERT-18	E761792	03/15/22 01:30 PM
502072SW6	03/15/22 10:47 AM	WR3	Fecal Coliform	97.0	mpn/100mL	10.0	10.0	10.0	10497030	COLILERT-18	E761792	03/15/22 01:30 PM
502072SW7	03/15/22 11:33 AM	WR4	Fecal Coliform	132	mpn/100mL	10.0	10.0	10.0	10497030	COLILERT-18	E761792	03/15/22 01:30 PM



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PO #: n/a  
Client Project #: LCI  
Date Sampled: Mar 15, 2022  
Mar 16, 2022; Invoice: 502072

Lab #: 502072SW8    Sampled: 03/15/22 12:02 AM    Desc: WR5										
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed	
Fecal Coliform	63.0	mpn/100mL	10.0	10.0	10.0	10497030	COLILERT-18	E761792	03/15/22	01:30 PM



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## Narrative Report

### Sample Handling

Sample handling and holding time criteria were met for all samples. Samples collected by submitter. No unusual events occurred during analysis. Results are reported on a wet weight basis for aqueous matrices and on a dry weight basis for sludge and soil matrices unless otherwise noted.

### Quality Control

Enclosed analyses met method or Lab criteria, unless otherwise denoted on the sample results. Applied data qualifiers are defined below.

### Attachments

Chain of Custody

Qualifier	Meaning
U	Compound was analyzed for but not detected.
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L	Off-scale high; reported concentration exceeds the highest standard.
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PO #: n/a  
Client Project #: LCI  
Date Sampled: Mar 16, 2022  
Mar 17, 2022; Invoice: 502227

### Report Summary

Date Received: Mar 16, 2022

FCL Project Manager: William J. Rogers

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
502227SW1	MC 1	COLILERT-18	AML	North Lab	Surface Water
502227SW2	MC 2	COLILERT-18	AML	North Lab	Surface Water
502227SW3	JG 2	COLILERT-18	AML	North Lab	Surface Water
502227SW4	WRT 1	COLILERT-18	AML	North Lab	Surface Water
502227SW5	WRT 2	COLILERT-18	AML	North Lab	Surface Water

### Certificate of Results

Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAC Standards except as noted in the Quality Control Report. Uncertainties for these data are available on request. This report may not be reproduced in part; results relate only to items tested.



Jefferson S. Flowers, Ph.D.  
Technical Director

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PO #: n/a  
Client Project #: LCI  
Date Sampled: Mar 16, 2022  
Mar 17, 2022; Invoice: 502227

### Analysis Report

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
502227SW1	03/16/22 08:46 AM	MC 1	Fecal Coliform	6490	mpn/100mL	10.0	10.0	10.0	10497260	COLILERT-18	E761792	03/16/22 12:00 PM
502227SW2	03/16/22 08:59 AM	MC 2	Fecal Coliform	538	mpn/100mL	10.0	10.0	10.0	10497260	COLILERT-18	E761792	03/16/22 12:00 PM
502227SW3	03/16/22 09:36 AM	JG 2	Fecal Coliform	332	mpn/100mL	10.0	10.0	10.0	10497260	COLILERT-18	E761792	03/16/22 12:00 PM
502227SW4	03/16/22 10:05 AM	WRT 1	Fecal Coliform	591	mpn/100mL	10.0	10.0	10.0	10497260	COLILERT-18	E761792	03/16/22 12:00 PM
502227SW5	03/16/22 10:16 AM	WRT 2	Fecal Coliform	399	mpn/100mL	10.0	10.0	10.0	10497260	COLILERT-18	E761792	03/16/22 12:00 PM



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## Narrative Report

### Sample Handling

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G	The greatest of the dilutions performed did not yield sufficient oxygen depletion for valid data.
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PO #: n/a  
Client Project #: LCI  
Date Sampled: Mar 22, 2022  
Mar 23, 2022; Invoice: 502845

### Report Summary

Date Received: Mar 22, 2022

FCL Project Manager: William J. Rogers

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
502845SW1	WR 2	COLILERT-18	DTB	North Lab	Surface Water
502845SW2	WR 1	COLILERT-18	DTB	North Lab	Surface Water
502845SW3	FC 0	COLILERT-18	DTB	North Lab	Surface Water
502845SW4	FC 1	COLILERT-18	DTB	North Lab	Surface Water
502845SW5	FC 2	COLILERT-18	DTB	North Lab	Surface Water
502845SW6	WR 3	COLILERT-18	DTB	North Lab	Surface Water
502845SW7	WR 4	COLILERT-18	DTB	North Lab	Surface Water
502845SW8	WR 5	COLILERT-18	DTB	North Lab	Surface Water

### Certificate of Results

Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAP Standards except as noted in the Quality Control Report. Uncertainties for these data are available on request. This report may not be reproduced in part; results relate only to items tested.



Jefferson S. Flowers, Ph.D.  
Technical Director



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Valdosta, GA 31602

PO #: n/a  
Client Project #: LCI  
Date Sampled: Mar 22, 2022  
Mar 23, 2022; Invoice: 502845

### Analysis Report

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
502845SW1	03/22/22 09:52 AM	WR 2	Fecal Coliform	241	mpn/100mL	10.0	10.0	10.0	10497856	COLILERT-18	E761792	03/22/22 01:48 PM
502845SW2	03/22/22 10:10 AM	WR 1	Fecal Coliform	253	mpn/100mL	10.0	10.0	10.0	10497856	COLILERT-18	E761792	03/22/22 01:48 PM
502845SW3	03/22/22 10:26 AM	FC 0	Fecal Coliform	109	mpn/100mL	10.0	10.0	10.0	10497856	COLILERT-18	E761792	03/22/22 01:48 PM
502845SW4	03/22/22 10:38 AM	FC 1	Fecal Coliform	336	mpn/100mL	10.0	10.0	10.0	10497856	COLILERT-18	E761792	03/22/22 01:48 PM
502845SW5	03/22/22 10:50 AM	FC 2	Fecal Coliform	197	mpn/100mL	10.0	10.0	10.0	10497856	COLILERT-18	E761792	03/22/22 01:48 PM
502845SW6	03/22/22 11:30 AM	WR 3	Fecal Coliform	279	mpn/100mL	10.0	10.0	10.0	10497856	COLILERT-18	E761792	03/22/22 01:48 PM
502845SW7	03/22/22 11:52 AM	WR 4	Fecal Coliform	428	mpn/100mL	10.0	10.0	10.0	10497856	COLILERT-18	E761792	03/22/22 01:48 PM



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PO #: n/a  
 Client Project #: LCI  
 Date Sampled: Mar 22, 2022  
 Mar 23, 2022; Invoice: 502845

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
502845SW8	03/22/22 12:14 PM	WR 5	Fecal Coliform	160	mpn/100mL	10.0	10.0	10.0	10497856	COLILERT-18	E761792	03/22/22 01:48 PM



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PO #: n/a  
Client Project #: LCI  
Date Sampled: Mar 22, 2022  
Mar 23, 2022; Invoice: 502845





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PO #: n/a  
Client Project #: LCI  
Date Sampled: Mar 22, 2022  
Mar 23, 2022; Invoice: 502845

## Narrative Report

### Sample Handling

Sample handling and holding time criteria were met for all samples. Samples collected by submitter. No unusual events occurred during analysis. Results are reported on a wet weight basis for aqueous matrices and on a dry weight basis for sludge and soil matrices unless otherwise noted.

### Quality Control

Enclosed analyses met method or Lab criteria, unless otherwise denoted on the sample results. Applied data qualifiers are defined below.

### Attachments

Chain of Custody

Qualifier	Meaning
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Valdosta, GA 31602

PO #: n/a  
Client Project #: LCI  
Date Sampled: Mar 23, 2022  
Mar 24, 2022; Invoice: 502899

### Report Summary

Date Received: Mar 23, 2022

FCL Project Manager: William J. Rogers

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
502899SW1	MC 1	COLILERT-18	DTB	North Lab	Surface Water
502899SW2	MC 2	COLILERT-18	DTB	North Lab	Surface Water
502899SW3	JG 2	COLILERT-18	DTB	North Lab	Surface Water
502899SW4	WRT 1	COLILERT-18	DTB	North Lab	Surface Water
502899SW5	WRT 2	COLILERT-18	DTB	North Lab	Surface Water

### Certificate of Results

Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAC Standards except as noted in the Quality Control Report. Uncertainties for these data are available on request. This report may not be reproduced in part; results relate only to items tested.



**Jefferson S. Flowers, Ph.D.**  
Technical Director



Environment Testing  
Flowers Laboratories

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Phone: 305-743-8598 E35834 (Keys Lab)

Lovell Engineering Associates  
3998 Inner Perimeter Road  
Valdosta, GA 31602

PO #: n/a  
Client Project #: LCI  
Date Sampled: Mar 23, 2022  
Mar 24, 2022; Invoice: 502899

**Analysis Report**

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
502899SW1	03/23/22 08:15 AM	MC 1	Fecal Coliform	393	mpn/100mL	10.0	10.0	10.0	10497979	COLILERT-18	E761792	03/23/22 11:00 AM
502899SW2	03/23/22 08:30 AM	MC 2	Fecal Coliform	195	mpn/100mL	10.0	10.0	10.0	10497979	COLILERT-18	E761792	03/23/22 11:00 AM
502899SW3	03/23/22 08:56 AM	JG 2	Fecal Coliform	185	mpn/100mL	10.0	10.0	10.0	10497979	COLILERT-18	E761792	03/23/22 11:00 AM
502899SW4	03/23/22 09:18 AM	WRT 1	Fecal Coliform	467	mpn/100mL	10.0	10.0	10.0	10497979	COLILERT-18	E761792	03/23/22 11:00 AM
502899SW5	03/23/22 09:29 AM	WRT 2	Fecal Coliform	404	mpn/100mL	10.0	10.0	10.0	10497979	COLILERT-18	E761792	03/23/22 11:00 AM



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### Narrative Report

#### Sample Handling

Sample handling and holding time criteria were met for all samples. Samples collected by submitter. No unusual events occurred during analysis. Results are reported on a wet weight basis for aqueous matrices and on a dry weight basis for sludge and soil matrices unless otherwise noted.

#### Quality Control

Enclosed analyses met method or Lab criteria, unless otherwise denoted on the sample results. Applied data qualifiers are defined below.

#### Attachments

Chain of Custody

Qualifier	Meaning
U	Compound was analyzed for but not detected.
J	Estimated value; one or more QC components associated with this data value exceed current QC limits.
Q	Sample held beyond the accepted holding time.
L	Off-scale high; reported concentration exceeds the highest standard.
V	Analyte was detected in both the sample and the associated method blank.
W	The dissolved oxygen blank was above 0.2 mg/L but less than the MDL.
Z	Too numerous to count colonies on plate.
A	Absent
P	Present
T	Value reported is less than the statistical method detection limit. Reported for informational purposes only.
M	Value reported is greater than the statistical method detection limit, but less than the reported MDL.
G	The greatest of the dilutions performed did not yield sufficient oxygen depletion for valid data.
S	The least of the dilutions performed did not yield sufficient oxygen residual for valid data.
O	Result is greater than (over) the specified value.
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B	Results based upon colony plate count outside ideal range.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.

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3998 Inner Perimeter Road  
Valdosta, GA 31602

PO #: n/a  
Client Project #: LCI  
Date Sampled: Jun 2, 2022  
Jun 16, 2022; Invoice: 509822

### Report Summary

Date Received: Jun 2, 2022

FCL Project Manager: William J. Rogers

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
509822SW1	WR2	COLILERT-18 EPA245.1	DTB PCW	North Lab Main Lab	Surface Water
509822SW2	WR1	COLILERT-18 EPA245.1	DTB PCW	North Lab Main Lab	Surface Water
509822SW3	FC 0	COLILERT-18	DTB	North Lab	Surface Water
509822SW4	FC 1	COLILERT-18	DTB	North Lab	Surface Water
509822SW5	FC 2	COLILERT-18	DTB	North Lab	Surface Water
509822SW6	WR 3	COLILERT-18 EPA245.1	DTB PCW	North Lab Main Lab	Surface Water
509822SW7	WR 4	COLILERT-18 EPA245.1 EPA6020B	DTB PCW EVB	North Lab Main Lab Main Lab	Surface Water
509822SW8	WR 5	COLILERT-18 EPA245.1 EPA6020B	DTB PCW EVB	North Lab Main Lab Main Lab	Surface Water
509822SW9	WR 6	EPA245.1	PCW	Main Lab	Surface Water
509822SW10	WRT 1	COLILERT-18	DTB	North Lab	Surface Water
509822SW11	JG 2	COLILERT-18	DTB	North Lab	Surface Water
509822SW12	WR 7	EPA245.1	PCW	Main Lab	Surface Water

### Certificate of Results

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Jefferson S. Flowers, Ph.D.  
Technical Director

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 3998 Inner Perimeter Road  
 Valdosta, GA 31602

 PO #: n/a  
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 Jun 16, 2022; Invoice: 509822

**Analysis Report**

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
<b>Lab #: 509822SW1</b>	<b>Sampled: 06/02/22 07:30 AM</b>	<b>Desc: WR2</b>										
			Fecal Coliform	131	mpn/100mL	10.0	10.0	10.0	10512910	COLILERT-18	E761792	06/02/22 12:30 PM
			Mercury	1.41 E-05	mg/L	1.00	0.00000500	0.0000100	10514108	EPA245.1	7439-97-6	06/08/22
<b>Lab #: 509822SW2</b>	<b>Sampled: 06/02/22 07:55 AM</b>	<b>Desc: WR1</b>										
			Fecal Coliform	86.0	mpn/100mL	10.0	10.0	10.0	10512910	COLILERT-18	E761792	06/02/22 12:30 PM
			Mercury	1.81 E-05	mg/L	1.00	0.00000500	0.0000100	10514108	EPA245.1	7439-97-6	06/08/22
<b>Lab #: 509822SW3</b>	<b>Sampled: 06/02/22 08:15 AM</b>	<b>Desc: FC 0</b>										
			Fecal Coliform	121	mpn/100mL	10.0	10.0	10.0	10512910	COLILERT-18	E761792	06/02/22 12:30 PM
<b>Lab #: 509822SW4</b>	<b>Sampled: 06/02/22 08:25 AM</b>	<b>Desc: FC 1</b>										
			Fecal Coliform	281	mpn/100mL	10.0	10.0	10.0	10512910	COLILERT-18	E761792	06/02/22 12:30 PM
<b>Lab #: 509822SW5</b>	<b>Sampled: 06/02/22 08:45 AM</b>	<b>Desc: FC 2</b>										
			Fecal Coliform	748	mpn/100mL	10.0	10.0	10.0	10512910	COLILERT-18	E761792	06/02/22 12:30 PM
<b>Lab #: 509822SW6</b>	<b>Sampled: 06/02/22 08:59 AM</b>	<b>Desc: WR 3</b>										
			Fecal Coliform	120	mpn/100mL	10.0	10.0	10.0	10512910	COLILERT-18	E761792	06/02/22 12:30 PM
			Mercury	1.18 E-05	mg/L	1.00	0.00000500	0.0000100	10514108	EPA245.1	7439-97-6	06/08/22
<b>Lab #: 509822SW7</b>	<b>Sampled: 06/02/22 09:21 AM</b>	<b>Desc: WR 4</b>										
			Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed





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PO #: n/a  
Client Project #: LCI  
Date Sampled: Jun 2, 2022  
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Lab #	Sampled	Desc	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
<b>Lab #: 509822SW7 Sampled: 06/02/22 09:21 AM Desc: WR 4</b>			Fecal Coliform	291	mpn/100mL	10.0	10.0	10.0	10512910	COLILERT-18	E761792	06/02/22 12:30 PM
			Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10514034	EPA6020B	7439-92-1	06/07/22
			Mercury	2.49 E-05	mg/L	1.00	0.00000500	0.0000100	10514108	EPA245.1	7439-97-6	06/08/22
<b>Lab #: 509822SW8 Sampled: 06/02/22 09:51 AM Desc: WR 5</b>			Fecal Coliform	30.0	mpn/100mL	10.0	10.0	10.0	10512910	COLILERT-18	E761792	06/02/22 12:30 PM
			Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10514034	EPA6020B	7439-92-1	06/07/22
			Mercury	1.53 E-05	mg/L	1.00	0.00000500	0.0000100	10514108	EPA245.1	7439-97-6	06/08/22
<b>Lab #: 509822SW9 Sampled: 06/02/22 10:12 AM Desc: WR 6</b>			Mercury	3.69 E-05	mg/L	1.00	0.00000500	0.0000100	10514108	EPA245.1	7439-97-6	06/08/22
<b>Lab #: 509822SW10 Sampled: 06/02/22 10:32 AM Desc: WRT 1</b>			Fecal Coliform	481	mpn/100mL	10.0	10.0	10.0	10512910	COLILERT-18	E761792	06/02/22 12:30 PM
<b>Lab #: 509822SW11 Sampled: 06/02/22 11:16 AM Desc: JG 2</b>			Fecal Coliform	422	mpn/100mL	10.0	10.0	10.0	10512910	COLILERT-18	E761792	06/02/22 12:30 PM
<b>Lab #: 509822SW12 Sampled: 06/02/22 11:35 AM Desc: WR 7</b>			Mercury	1.66 E-05	mg/L	1.00	0.00000500	0.0000100	10514108	EPA245.1	7439-97-6	06/08/22



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### Quality Report

Quality Control Batch: 10514034		Analyst: EVB						
<b>Blank</b>	<b>Result</b>	<b>Units</b>						
Lead	0.00100U	mg/L						
<b>Laboratory Control Sample</b>	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>			
Lead	0.103	mg/L	0.100	102.50	80.00-120.00			
<b>Matrix Spike</b>	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>	<b>Sample</b>	<b>Lab Number</b>	
Lead	0.162	mg/L	0.200	81.00	75.00-125.00	0.00100U	509904DW1	
<b>Matrix Spike Duplicate</b>	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>	<b>Sample</b>	<b>RPD</b>	<b>RPD Lim</b>
Lead	0.166	mg/L	0.200	83.05	75.00-125.00	0.00100U	2.50	20.00
Quality Control Batch: 10514108		Analyst: PCW						
<b>Blank</b>	<b>Result</b>	<b>Units</b>						
Mercury	0.00000500U	mg/L						
<b>Laboratory Control Sample</b>	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>			
Mercury	0.0000208	mg/L	0.0000200	104.15	80.00-120.00			
<b>Matrix Spike</b>	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>	<b>Sample</b>	<b>Lab Number</b>	
Mercury	0.0000643	mg/L	0.0000500	100.46	80.00-120.00	0.0000141	509822SW1	
<b>Matrix Spike Duplicate</b>	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>	<b>Sample</b>	<b>RPD</b>	<b>RPD Lim</b>
Mercury	0.0000654	mg/L	0.0000500	102.54	80.00-120.00	0.0000141	1.60	20.00



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3998 Inner Perimeter Road  
Valdosta, GA 31602

PO #: n/a  
Client Project #: LCI  
Date Sampled: Jun 2, 2022  
Jun 16, 2022; Invoice: 509822

## Narrative Report

### Sample Handling

Sample handling and holding time criteria were met for all samples. Samples collected by submitter. No unusual events occurred during analysis. Results are reported on a wet weight basis for aqueous matrices and on a dry weight basis for sludge and soil matrices unless otherwise noted.

### Quality Control

Enclosed analyses met method or Lab criteria, unless otherwise denoted on the sample results. Applied data qualifiers are defined below.

### Attachments

Chain of Custody

Qualifier	Meaning
U	Compound was analyzed for but not detected.
J	Estimated value; one or more QC components associated with this data value exceed current QC limits.
Q	Sample held beyond the accepted holding time.
L	Off-scale high; reported concentration exceeds the highest standard.
V	Analyte was detected in both the sample and the associated method blank.
W	The dissolved oxygen blank was above 0.2 mg/L but less than the MDL.
Z	Too numerous to count colonies on plate.
A	Absent
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G	The greatest of the dilutions performed did not yield sufficient oxygen depletion for valid data.
S	The least of the dilutions performed did not yield sufficient oxygen residual for valid data.
O	Result is greater than (over) the specified value.
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Valdosta, GA 31602

PO #: n/a  
Client Project #: LCI  
Date Sampled: Jun 3, 2022  
Jun 8, 2022; Invoice: 509940

### Report Summary

Date Received: Jun 3, 2022

FCL Project Manager: William J. Rogers

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
509940SW1	AR 1	EPA245.1	PCW	Main Lab	Surface Water
509940SW2	MC 2	COLILERT-18	DTB	North Lab	Surface Water
509940SW3	MC 1	COLILERT-18	DTB	North Lab	Surface Water

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PO #: n/a  
Client Project #: LCI  
Date Sampled: Jun 3, 2022  
Jun 8, 2022; Invoice: 509940

### Analysis Report

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
509940SW1	06/03/22 09:12 AM	AR 1	Mercury	1.29 E-05	mg/L	1.00	0.00000500	0.0000100	10514108	EPA245.1	7439-97-6	06/08/22
509940SW2	06/03/22 09:58 AM	MC 2	Fecal Coliform	313	mpn/100mL	10.0	10.0	10.0	10513094	COLILERT-18	E761792	06/03/22 12:30 PM
509940SW3	06/03/22 09:38 AM	MC 1	Fecal Coliform	24200 J	mpn/100mL	10.0	10.0	10.0	10513094	COLILERT-18	E761792	06/03/22 12:30 PM

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Client Project #: LCI  
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Jun 8, 2022; Invoice: 509940

### Quality Report

Quality Control Batch: 10514108		Analyst: PCW							
<b>Blank</b>		<b>Result</b>	<b>Units</b>						
Mercury		0.00000500U	mg/L						
<b>Laboratory Control Sample</b>		<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>			
Mercury		0.0000208	mg/L	0.0000200	104.15	80.00-120.00			
<b>Matrix Spike</b>		<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>	<b>Sample</b>	<b>Lab Number</b>	
Mercury		0.0000643	mg/L	0.0000500	100.46	80.00-120.00	0.0000141	509822SW1	
<b>Matrix Spike Duplicate</b>		<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>	<b>Sample</b>	<b>RPD</b>	<b>RPD Lim</b>
Mercury		0.0000654	mg/L	0.0000500	102.54	80.00-120.00	0.0000141	1.60	20.00



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Valdosta, GA 31602

PO #: n/a  
Client Project #: LCI  
Date Sampled: Jun 3, 2022  
Jun 8, 2022; Invoice: 509940

## Narrative Report

### Sample Handling

Sample handling and holding time criteria were met for all samples. Samples collected by submitter. No unusual events occurred during analysis. Results are reported on a wet weight basis for aqueous matrices and on a dry weight basis for sludge and soil matrices unless otherwise noted.

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Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.

## ANALYTICAL REPORT

Eurofins Madison  
812 S.W. Harvey Greene Drive  
Madison, FL 32340  
Tel: (850)973-6878

Laboratory Job ID: 674-77-1  
Client Project/Site: Lovell-LCI

For:  
Lovell Engineering Associates  
3998 Inner Perimeter Road  
Valdosta, Georgia 31602

Attn: Robert Rickart



Authorized for release by:  
6/9/2022 4:20:32 PM

Judson Rogers III, Project Manager  
(407)339-5984

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### LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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## Definitions/Glossary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-77-1

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Case Narrative

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-77-1

---

**Job ID: 674-77-1**

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**Laboratory: Eurofins Madison**

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**Narrative**

**Job Narrative**  
**674-77-1**

**Comments**

No additional comments.

**Receipt**

The samples were received on 6/7/2022 11:26 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 6.0° C.

**Biology**

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

- 1
- 2
- 3
- 4
- 5
- 6
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- 11
- 12
- 13

# Detection Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-77-1

## Client Sample ID: WR 2

Lab Sample ID: 674-77-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	130.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: WR 1

Lab Sample ID: 674-77-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	169.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: FC 0

Lab Sample ID: 674-77-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	156.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: FC 1

Lab Sample ID: 674-77-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	72.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: FC 2

Lab Sample ID: 674-77-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	554.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: WR 3

Lab Sample ID: 674-77-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	30.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: WR 4

Lab Sample ID: 674-77-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	459.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: WR 5

Lab Sample ID: 674-77-8

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	41.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: WRT 1

Lab Sample ID: 674-77-9

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	1067.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: WRT 2

Lab Sample ID: 674-77-10

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	1124.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Madison

# Client Sample Results

Client: Lovell Engineering Associates  
 Project/Site: Lovell-LCI

Job ID: 674-77-1

**Client Sample ID: WR 2**

**Lab Sample ID: 674-77-1**

Date Collected: 06/07/22 08:05

Matrix: Water

Date Received: 06/07/22 11:26

**Method: Coliform - Coliforms, Fecal**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	130.0		10.0	10.0	MPN/100mL			06/07/22 13:00	1

**Client Sample ID: WR 1**

**Lab Sample ID: 674-77-2**

Date Collected: 06/07/22 08:27

Matrix: Water

Date Received: 06/07/22 11:26

**Method: Coliform - Coliforms, Fecal**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	169.0		10.0	10.0	MPN/100mL			06/07/22 13:00	1

**Client Sample ID: FC 0**

**Lab Sample ID: 674-77-3**

Date Collected: 06/07/22 08:43

Matrix: Water

Date Received: 06/07/22 11:26

**Method: Coliform - Coliforms, Fecal**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	156.0		10.0	10.0	MPN/100mL			06/07/22 13:00	1

**Client Sample ID: FC 1**

**Lab Sample ID: 674-77-4**

Date Collected: 06/07/22 08:55

Matrix: Water

Date Received: 06/07/22 11:26

**Method: Coliform - Coliforms, Fecal**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	72.0		10.0	10.0	MPN/100mL			06/07/22 13:00	1

**Client Sample ID: FC 2**

**Lab Sample ID: 674-77-5**

Date Collected: 06/07/22 09:12

Matrix: Water

Date Received: 06/07/22 11:26

**Method: Coliform - Coliforms, Fecal**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	554.0		10.0	10.0	MPN/100mL			06/07/22 13:00	1

**Client Sample ID: WR 3**

**Lab Sample ID: 674-77-6**

Date Collected: 06/07/22 09:26

Matrix: Water

Date Received: 06/07/22 11:26

**Method: Coliform - Coliforms, Fecal**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	30.0		10.0	10.0	MPN/100mL			06/07/22 13:00	1

**Client Sample ID: WR 4**

**Lab Sample ID: 674-77-7**

Date Collected: 06/07/22 09:42

Matrix: Water

Date Received: 06/07/22 11:26

**Method: Coliform - Coliforms, Fecal**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	459.0		10.0	10.0	MPN/100mL			06/07/22 13:00	1

# Client Sample Results

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-77-1

## Client Sample ID: WR 5

Lab Sample ID: 674-77-8

Date Collected: 06/07/22 10:08

Matrix: Water

Date Received: 06/07/22 11:26

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	41.0		10.0	10.0	MPN/100mL			06/07/22 13:00	1

## Client Sample ID: WRT 1

Lab Sample ID: 674-77-9

Date Collected: 06/07/22 10:30

Matrix: Water

Date Received: 06/07/22 11:26

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	1067.0		10.0	10.0	MPN/100mL			06/07/22 13:00	1

## Client Sample ID: WRT 2

Lab Sample ID: 674-77-10

Date Collected: 06/07/22 10:48

Matrix: Water

Date Received: 06/07/22 11:26

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	1124.0		10.0	10.0	MPN/100mL			06/07/22 13:00	1

# QC Association Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-77-1

## Biology

### Analysis Batch: 29

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
674-77-1	WR 2	Total/NA	Water	Coliform	
674-77-2	WR 1	Total/NA	Water	Coliform	
674-77-3	FC 0	Total/NA	Water	Coliform	
674-77-4	FC 1	Total/NA	Water	Coliform	
674-77-5	FC 2	Total/NA	Water	Coliform	
674-77-6	WR 3	Total/NA	Water	Coliform	
674-77-7	WR 4	Total/NA	Water	Coliform	
674-77-8	WR 5	Total/NA	Water	Coliform	
674-77-9	WRT 1	Total/NA	Water	Coliform	
674-77-10	WRT 2	Total/NA	Water	Coliform	

# Lab Chronicle

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-77-1

## Client Sample ID: WR 2

Date Collected: 06/07/22 08:05

Date Received: 06/07/22 11:26

Lab Sample ID: 674-77-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Coliform		1	29	06/07/22 13:00	DB	TAL ESM

## Client Sample ID: WR 1

Date Collected: 06/07/22 08:27

Date Received: 06/07/22 11:26

Lab Sample ID: 674-77-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Coliform		1	29	06/07/22 13:00	DB	TAL ESM

## Client Sample ID: FC 0

Date Collected: 06/07/22 08:43

Date Received: 06/07/22 11:26

Lab Sample ID: 674-77-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Coliform		1	29	06/07/22 13:00	DB	TAL ESM

## Client Sample ID: FC 1

Date Collected: 06/07/22 08:55

Date Received: 06/07/22 11:26

Lab Sample ID: 674-77-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Coliform		1	29	06/07/22 13:00	DB	TAL ESM

## Client Sample ID: FC 2

Date Collected: 06/07/22 09:12

Date Received: 06/07/22 11:26

Lab Sample ID: 674-77-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Coliform		1	29	06/07/22 13:00	DB	TAL ESM

## Client Sample ID: WR 3

Date Collected: 06/07/22 09:26

Date Received: 06/07/22 11:26

Lab Sample ID: 674-77-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Coliform		1	29	06/07/22 13:00	DB	TAL ESM

## Client Sample ID: WR 4

Date Collected: 06/07/22 09:42

Date Received: 06/07/22 11:26

Lab Sample ID: 674-77-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Coliform		1	29	06/07/22 13:00	DB	TAL ESM

# Lab Chronicle

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-77-1

## Client Sample ID: WR 5

Lab Sample ID: 674-77-8

Date Collected: 06/07/22 10:08

Matrix: Water

Date Received: 06/07/22 11:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Coliform		1	29	06/07/22 13:00	DB	TAL ESM

## Client Sample ID: WRT 1

Lab Sample ID: 674-77-9

Date Collected: 06/07/22 10:30

Matrix: Water

Date Received: 06/07/22 11:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Coliform		1	29	06/07/22 13:00	DB	TAL ESM

## Client Sample ID: WRT 2

Lab Sample ID: 674-77-10

Date Collected: 06/07/22 10:48

Matrix: Water

Date Received: 06/07/22 11:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Coliform		1	29	06/07/22 13:00	DB	TAL ESM

### Laboratory References:

TAL ESM = Eurofins Madison, 812 S.W. Harvey Greene Drive, Madison, FL 32340, TEL (850)973-6878



# Accreditation/Certification Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-77-1

## Laboratory: Eurofins Madison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E82405	06-30-22

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
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- 11
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- 13

# Method Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-77-1

---

Method	Method Description	Protocol	Laboratory
Coliform	Coliforms, Fecal	IDEXX	TAL ESM

---

**Protocol References:**

IDEXX = IDEXX Laboratories

**Laboratory References:**

TAL ESM = Eurofins Madison, 812 S.W. Harvey Greene Drive, Madison, FL 32340, TEL (850)973-6878



# Sample Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-77-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
674-77-1	WR 2	Water	06/07/22 08:05	06/07/22 11:26
674-77-2	WR 1	Water	06/07/22 08:27	06/07/22 11:26
674-77-3	FC 0	Water	06/07/22 08:43	06/07/22 11:26
674-77-4	FC 1	Water	06/07/22 08:55	06/07/22 11:26
674-77-5	FC 2	Water	06/07/22 09:12	06/07/22 11:26
674-77-6	WR 3	Water	06/07/22 09:26	06/07/22 11:26
674-77-7	WR 4	Water	06/07/22 09:42	06/07/22 11:26
674-77-8	WR 5	Water	06/07/22 10:08	06/07/22 11:26
674-77-9	WRT 1	Water	06/07/22 10:30	06/07/22 11:26
674-77-10	WRT 2	Water	06/07/22 10:48	06/07/22 11:26

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

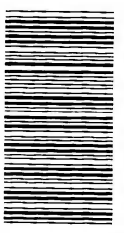
- 1
- 2
- 3
- 4
- 5
- 6
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- 9
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- 11
- 12
- 13

**Check Box That Applies To Your Location**

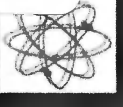
- Flowers (Central) Lab Locations, Inc.  
481 Newburyport Ave.  
Altamonte Springs, FL 32701  
Bus: 407-339-5984  
Fax: 407-260-6110
- Flowers (Central) Labs - South  
West Park Industrial Plaza  
571 N.W. Mercantile Pl., Ste. 111  
Port St. Lucie, FL 34986  
Bus: 772-343-8006  
Fax: 772-343-8089
- Flowers (Central) Labs - North  
812 S.W. Harvey Greene Dr.  
Madison, FL 32340  
Bus: 850-973-6878  
Fax: 850-973-6878
- Flowers (Central) Labs - Fols  
3980 Overseas Highway, Ste. 10  
Marathon, FL 33050  
Bus: 305-743-8598  
Fax: 305-743-8598

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**FI DMFDS**



674-77 Chain of



Client: Lovell Engineering Associates, PC  
Address: 3998 Inner Perimeter Rd, Ste C  
Valdosta, GA 31602

Project Name: LCI  
Client Contact: Rob Rickert  
FCL Project Manager

Phone: 229.253.0900  
Requested Due Date: 10 Day Standard  
OR  
Vehicle Surcharge: \$  
FAX: 229.253.1842  
E-MAIL: [rob.rickert@lea-pc.com](mailto:rob.rickert@lea-pc.com)  
Rush Charges May Apply

Sampler Signature: \_\_\_\_\_ Date Sampled: \_\_\_\_\_  
Preservatives: NONE  
ANALYSES REQUEST: Fecal, LL Hg, Pb  
COMMENTS: On ice

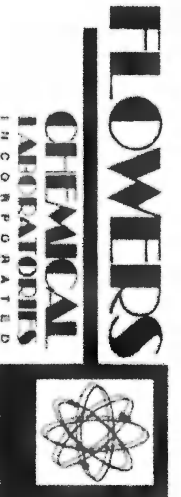
ITEM NO	SAMPLE ID	DATE	TIME	MATRIX	(LAB USE ONLY) LAB NO.	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	ANALYSES REQUEST	COMMENTS	Total # Containers
1	WR 2	6-7-22	8:05	SW						Fecal, LL Hg, Pb	On ice	
2	WR 1	6-7-22	8:17	SW								
3	FC 0	6-7-22	8:43	SW								
4	FC 1	6-7-22	8:55	SW								
5	FC 2	6-7-22	9:12	SW								
6	WR 3	6-7-22	9:26	SW								
7	WR 4	6-7-22	9:42	SW								
8	WR 5	6-7-22	10:08	SW								
9	<del>WR 6</del>	<del>6-7-22</del>	<del>10:30</del>	<del>SW</del>								
10	WRT 1	6-7-22	10:30	SW								

Relinquished By / Affiliation: *Randal Whitty* Date: 6-7-22 Time: 11:26  
Accepted By / Affiliation: *Bongis* Date: 6/7/22 Time: 11:26

**FINANCE CHARGES APPLIED TO PAST DUE INVOICES**

**Check Box That Applies To Your Location**

- Flowers Chemical Labs - Jacksonville, FL
- Flowers Chemical Labs - South West Park Industrial Plaza
- Flowers Chemical Labs - North Madison, FL
- Flowers Chemical Labs - Fort Lauderdale, FL
- Flowers Chemical Labs - Overseas Highway, FL



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**Client**  
**Lowell Engineering Associates, PC**

**Address**  
 3998 Inner Perimeter Rd, Ste C  
 Valdosta, GA 31602

**Phone**  
 229.253.0900

**Sampled By (PRINT)**

**Project Name**  
 LCI

**Client Contact**  
 Rob Rickert  
 FCL Project Manager

**Requested Due Date**  
 10 Day Standard

**Pick-Up Fee** \$

**Vehicle Surcharge** \$

**Sampling Fee** \$

**FAX**  
 229.253.1842  
**E-MAIL**  
 rob.rickert@lea-pc.com

**Rush Charges May Apply**

**Sampler Signature**

**Date Sampled**

**PRESERVATIVES**

**ANALYSES REQUEST**

**COMMENTS**

GW - ground water    DW - drinking water    WW - wastewater  
 SW - surface water    S - soil/solid    SL - sludge    HW - waste

ITEM NO	SAMPLE ID	DATE	TIME	MATRIX	(LAB USE ONLY) LAB NO.	NONE	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	ANALYSES REQUEST	COMMENTS	Total # Containers
1	WRT 2	6-7-22	10:48	SW							X Fecal	On ice ✓	
2													
3													
4													
5													
6													
7													
8													
9													
10													

**Relinquished By / Affiliation**  
 Hunter Motley    6-7-22    11:26

**Date**    **Time**

**Accepted By / Affiliation**

**Date**    **Time**

**Relinquished By / Affiliation**

**Date**    **Time**

**Accepted By / Affiliation**

**Date**    **Time**

**Accepted By / Affiliation**

**Date**    **Time**

**Accepted By / Affiliation**

**Date**    **Time**

**Accepted By / Affiliation**

**Date**    **Time**

**FINANCE CHARGES APPLIED TO PAST DUE INVOICES**

• WHITE - Lab Copy - To Be Scanned

• YELLOW - Client Copy

## Login Sample Receipt Checklist

Client: Lovell Engineering Associates

Job Number: 674-77-1

**Login Number: 77**

**List Source: Eurofins Madison**

**List Number: 1**

**Creator: Briggs, Donna**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	



## ANALYTICAL REPORT

Eurofins Madison  
812 S.W. Harvey Greene Drive  
Madison, FL 32340  
Tel: (850)973-6878

Laboratory Job ID: 674-101-1  
Client Project/Site: Lovell-LCI

For:  
Lovell Engineering Associates  
3998 Inner Perimeter Road  
Valdosta, Georgia 31602

Attn: Robert Rickart



Authorized for release by:  
6/10/2022 8:14:08 AM

Judson Rogers III, Project Manager  
(407)339-5984

[Judson.RogersIII@et.eurofinsus.com](mailto:Judson.RogersIII@et.eurofinsus.com)

### LINKS

Review your project  
results through



Have a Question?



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[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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## Definitions/Glossary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-101-1

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Case Narrative

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-101-1

---

**Job ID: 674-101-1**

---

**Laboratory: Eurofins Madison**

---

**Narrative**

**Job Narrative**  
**674-101-1**

**Comments**

No additional comments.

**Receipt**

The samples were received on 6/8/2022 9:28 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 7.0° C.

**Biology**

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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# Detection Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-101-1

## Client Sample ID: MC 2

Lab Sample ID: 674-101-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	457.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: MC 1

Lab Sample ID: 674-101-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	414.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: JG 2

Lab Sample ID: 674-101-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	253.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Madison

# Client Sample Results

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-101-1

## Client Sample ID: MC 2

Lab Sample ID: 674-101-1

Date Collected: 06/08/22 08:26

Matrix: Water

Date Received: 06/08/22 09:28

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	457.0		10.0	10.0	MPN/100mL			06/08/22 11:00	1

## Client Sample ID: MC 1

Lab Sample ID: 674-101-2

Date Collected: 06/08/22 08:07

Matrix: Water

Date Received: 06/08/22 09:28

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	414.0		10.0	10.0	MPN/100mL			06/08/22 11:00	1

## Client Sample ID: JG 2

Lab Sample ID: 674-101-3

Date Collected: 06/08/22 08:53

Matrix: Water

Date Received: 06/08/22 09:28

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	253.0		10.0	10.0	MPN/100mL			06/08/22 11:00	1

# QC Association Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-101-1

## Biology

### Analysis Batch: 31

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
674-101-1	MC 2	Total/NA	Water	Coliform	
674-101-2	MC 1	Total/NA	Water	Coliform	
674-101-3	JG 2	Total/NA	Water	Coliform	

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# Lab Chronicle

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-101-1

## Client Sample ID: MC 2

Lab Sample ID: 674-101-1

Date Collected: 06/08/22 08:26

Matrix: Water

Date Received: 06/08/22 09:28

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Coliform		1	31	06/08/22 11:00	DB	TAL ESM

## Client Sample ID: MC 1

Lab Sample ID: 674-101-2

Date Collected: 06/08/22 08:07

Matrix: Water

Date Received: 06/08/22 09:28

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Coliform		1	31	06/08/22 11:00	DB	TAL ESM

## Client Sample ID: JG 2

Lab Sample ID: 674-101-3

Date Collected: 06/08/22 08:53

Matrix: Water

Date Received: 06/08/22 09:28

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Coliform		1	31	06/08/22 11:00	DB	TAL ESM

### Laboratory References:

TAL ESM = Eurofins Madison, 812 S.W. Harvey Greene Drive, Madison, FL 32340, TEL (850)973-6878

# Accreditation/Certification Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-101-1

## Laboratory: Eurofins Madison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E82405	06-30-22

- 1
- 2
- 3
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# Method Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-101-1

---

Method	Method Description	Protocol	Laboratory
Coliform	Coliforms, Fecal	IDEXX	TAL ESM

---

**Protocol References:**

IDEXX = IDEXX Laboratories

**Laboratory References:**

TAL ESM = Eurofins Madison, 812 S.W. Harvey Greene Drive, Madison, FL 32340, TEL (850)973-6878





# Sample Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-101-1

---

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
674-101-1	MC 2	Water	06/08/22 08:26	06/08/22 09:28
674-101-2	MC 1	Water	06/08/22 08:07	06/08/22 09:28
674-101-3	JG 2	Water	06/08/22 08:53	06/08/22 09:28

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**Check Box That Applies To Your Location**

- Flowers of Brentwood  
Lab's Office, Inc.  
481 Newburyport Ave  
Altamonte Springs, FL 32701  
Bus: 407-339-5984  
Fax: 407-260-6110
- Flowers of Brentwood  
Lab's South  
West Park Industrial Plaza  
571 N.W. Mercantile Pl., Ste 111  
Port St. Lucie, FL 34986  
Bus: 772-343-8006  
Fax: 772-343-8089
- Flowers of Brentwood  
Lab's North  
812 S.W. Harvey Greene Dr  
Madison, FL 32340  
Bus: 850-973-6878  
Fax: 850-973-6878
- Flowers of Brentwood  
Lab's East  
3980 Overseas Highway, Ste 103  
Marathon, FL 33050  
Bus: 305-743-8598  
Fax: 305-743-8598



674-101 Chain of Custody

LABORATORY  
INCORPORATED

**DOWNLOAD REPORTS, INVOICES AND CHAINS OF CUSTODY [www.flowerslabs.com](http://www.flowerslabs.com)**

Client: **Lovell Engineering Associates, PC**

Address: **3998 Inner Perimeter Rd, Ste C**

City: **Valdosta, GA 31602**

Phone: **229.253.0900**

Managed By: **PERMIT**

Project Name: **LCI**

Client Contact: **Rob Rickert**

FCI Project Manager

Requested Due Date: **10 Day Standard**

Pick-Up Fee: \$  OR

Vehicle Surcharge: \$

Sampling Fee: \$

Project #

FAX: **229.253.1842**

E-MAIL: **rob.rickert@lea-pc.com**

Sampled Signature

Date Sampled: **6-8-22**

GW - ground water DW - drinking water WW - wastewater  
 SW - surface water S - soil/solid SL - sludge HW - waste

TS#	SAMPLE ID	DATE	TIME	MATRIX	(LAB USE ONLY) LAB NO.	NONE	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HO	Na <sub>2</sub> S <sub>2</sub> O <sub>8</sub>	ANALYSES REQUEST	COMMENTS
1	AR 1			SW							Fecal LL Hg	On ice
2	MC 2	6-8-22	8:26	SW							X	✓
3	MC 1	6-8-22	8:07	SW							X	✓
4	JG 2	6-8-22	8:53	SW							X	✓
5	WR 7			SW							X	✓
6												
7												
8												
9												
10												

Relinquished By: *[Signature]*

Date: **6-8-22** Time: **9:28**

Accepted By: *[Signature]*

Date: **9/23**

**FINANCE CHARGES APPLIED TO PAST DUE INVOICES**

• WHITE - Lab Copy - To Be Scanned

• YELLOW - Client Copy

## Login Sample Receipt Checklist

Client: Lovell Engineering Associates

Job Number: 674-101-1

**Login Number: 101**

**List Number: 1**

**Creator: Briggs, Donna**

**List Source: Eurofins Madison**

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	



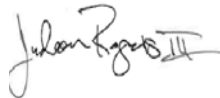
## ANALYTICAL REPORT

Eurofins Madison  
812 S.W. Harvey Greene Drive  
Madison, FL 32340  
Tel: (850)973-6878

Laboratory Job ID: 674-162-1  
Client Project/Site: Lovell-LCI

For:  
Lovell Engineering Associates  
3998 Inner Perimeter Road  
Valdosta, Georgia 31602

Attn: Robert Rickart



Authorized for release by:  
6/16/2022 7:50:23 AM

Judson Rogers III, Project Manager  
(407)339-5984

[Judson.RogersIII@et.eurofinsus.com](mailto:Judson.RogersIII@et.eurofinsus.com)

### LINKS

Review your project  
results through



Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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# Definitions/Glossary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-162-1

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Case Narrative

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-162-1

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**Job ID: 674-162-1**

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**Laboratory: Eurofins Madison**

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**Narrative**

**Job Narrative  
674-162-1**

**Receipt**

The samples were received on 6/14/2022 10:22 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 6.0°C

**Biology**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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# Detection Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-162-1

## Client Sample ID: MC 0

Lab Sample ID: 674-162-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	1835.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: MC 1

Lab Sample ID: 674-162-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	1391.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: MC 2

Lab Sample ID: 674-162-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	535.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: JG 2

Lab Sample ID: 674-162-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	383.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: WRT 1

Lab Sample ID: 674-162-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	1071.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: WRT 2

Lab Sample ID: 674-162-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	934.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Madison



# Client Sample Results

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-162-1

**Client Sample ID: MC 0**  
Date Collected: 06/14/22 08:08  
Date Received: 06/14/22 10:22

**Lab Sample ID: 674-162-1**  
Matrix: Water

**Method: Coliform - Coliforms, Fecal**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	1835.0		10.0	10.0	MPN/100mL			06/14/22 11:10	1

**Client Sample ID: MC 1**  
Date Collected: 06/14/22 08:21  
Date Received: 06/14/22 10:22

**Lab Sample ID: 674-162-2**  
Matrix: Water

**Method: Coliform - Coliforms, Fecal**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	1391.0		10.0	10.0	MPN/100mL			06/14/22 11:10	1

**Client Sample ID: MC 2**  
Date Collected: 06/14/22 08:40  
Date Received: 06/14/22 10:22

**Lab Sample ID: 674-162-3**  
Matrix: Water

**Method: Coliform - Coliforms, Fecal**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	535.0		10.0	10.0	MPN/100mL			06/14/22 11:10	1

**Client Sample ID: JG 2**  
Date Collected: 06/14/22 09:08  
Date Received: 06/14/22 10:22

**Lab Sample ID: 674-162-4**  
Matrix: Water

**Method: Coliform - Coliforms, Fecal**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	383.0		10.0	10.0	MPN/100mL			06/14/22 11:10	1

**Client Sample ID: WRT 1**  
Date Collected: 06/14/22 09:30  
Date Received: 06/14/22 10:22

**Lab Sample ID: 674-162-5**  
Matrix: Water

**Method: Coliform - Coliforms, Fecal**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	1071.0		10.0	10.0	MPN/100mL			06/14/22 11:10	1

**Client Sample ID: WRT 2**  
Date Collected: 06/14/22 09:40  
Date Received: 06/14/22 10:22

**Lab Sample ID: 674-162-6**  
Matrix: Water

**Method: Coliform - Coliforms, Fecal**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	934.0		10.0	10.0	MPN/100mL			06/14/22 11:10	1

# QC Association Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-162-1

## Biology

### Analysis Batch: 69

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
674-162-1	MC 0	Total/NA	Water	Coliform	
674-162-2	MC 1	Total/NA	Water	Coliform	
674-162-3	MC 2	Total/NA	Water	Coliform	
674-162-4	JG 2	Total/NA	Water	Coliform	
674-162-5	WRT 1	Total/NA	Water	Coliform	
674-162-6	WRT 2	Total/NA	Water	Coliform	

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# Lab Chronicle

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-162-1

## Client Sample ID: MC 0

Date Collected: 06/14/22 08:08

Date Received: 06/14/22 10:22

Lab Sample ID: 674-162-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Coliform		1	69	06/14/22 11:10	DB	TAL ESM

## Client Sample ID: MC 1

Date Collected: 06/14/22 08:21

Date Received: 06/14/22 10:22

Lab Sample ID: 674-162-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Coliform		1	69	06/14/22 11:10	DB	TAL ESM

## Client Sample ID: MC 2

Date Collected: 06/14/22 08:40

Date Received: 06/14/22 10:22

Lab Sample ID: 674-162-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Coliform		1	69	06/14/22 11:10	DB	TAL ESM

## Client Sample ID: JG 2

Date Collected: 06/14/22 09:08

Date Received: 06/14/22 10:22

Lab Sample ID: 674-162-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Coliform		1	69	06/14/22 11:10	DB	TAL ESM

## Client Sample ID: WRT 1

Date Collected: 06/14/22 09:30

Date Received: 06/14/22 10:22

Lab Sample ID: 674-162-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Coliform		1	69	06/14/22 11:10	DB	TAL ESM

## Client Sample ID: WRT 2

Date Collected: 06/14/22 09:40

Date Received: 06/14/22 10:22

Lab Sample ID: 674-162-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Coliform		1	69	06/14/22 11:10	DB	TAL ESM

### Laboratory References:

TAL ESM = Eurofins Madison, 812 S.W. Harvey Greene Drive, Madison, FL 32340, TEL (850)973-6878

# Accreditation/Certification Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-162-1

## Laboratory: Eurofins Madison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E82405	06-30-22

- 1
- 2
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# Method Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-162-1

---

Method	Method Description	Protocol	Laboratory
Coliform	Coliforms, Fecal	IDEXX	TAL ESM

---

**Protocol References:**

IDEXX = IDEXX Laboratories

**Laboratory References:**

TAL ESM = Eurofins Madison, 812 S.W. Harvey Greene Drive, Madison, FL 32340, TEL (850)973-6878



# Sample Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-162-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
674-162-1	MC 0	Water	06/14/22 08:08	06/14/22 10:22
674-162-2	MC 1	Water	06/14/22 08:21	06/14/22 10:22
674-162-3	MC 2	Water	06/14/22 08:40	06/14/22 10:22
674-162-4	JG 2	Water	06/14/22 09:08	06/14/22 10:22
674-162-5	WRT 1	Water	06/14/22 09:30	06/14/22 10:22
674-162-6	WRT 2	Water	06/14/22 09:40	06/14/22 10:22

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**Check Box That Applies To Your Location**

**Flowers Chemical Labs - Tallahassee, Inc.**  
 481 Newburyport Ave.  
 Altamonte Springs, FL 32701  
 Bus: 407-339-5984  
 Fax: 407-260-6110

**Flowers Chemical Labs - South**  
 West Park Industrial Plaza  
 571 N.W. Mercantile Pl., Ste. 111  
 Port St. Lucie, FL 34986  
 Bus: 772-343-8006  
 Fax: 772-343-8089

**Flowers Chemical Labs - North**  
 812 S.W. Harvey Greene Dr.  
 Madison, FL 32340  
 Bus: 850-973-6878  
 Fax: 850-973-6878

**Flowers Chemical Labs - Foy**  
 3980 Overseas Highway, Ste. 103  
 Marathon, FL 33050  
 Bus: 305-743-8598  
 Fax: 305-743-8598



674-162 Chain of Custody

**CHEMURUM LABORATORIES**  
 INCORPORATED

**DOWNLOAD REPORTS, INVOICES AND CHAINS OF CUSTODY [www.flowerslabs.com](http://www.flowerslabs.com)**

Client: **Lovell Engineering Associates, PC** Project Name: **LCI** P.O. #

Address: **3998 Inner Perimeter Rd, Ste C** Client Contact: **Rob Rickett** FAX: **229.253.1842**

**Valdosta, GA 31602** FCL Project Manager: **rob.rickett@lea-pc.com** E-MAIL

Phone: **229.253.0900** Requested Due Date: **OR** Rush Charges May Apply

Sampled By (PRINT): **6.14.22** Pick-Up Fee: \$ Vehicle Surcharge: \$ Sampling Fee: \$

ITEM NO.	SAMPLE ID	DATE	TIME	MATRIX	(LAB USE ONLY) LAB NO.	NONE	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	ANALYSES REQUEST	COMMENTS
1	MC 0	6-14-22	8:08	SW							X	On ice
2	MC 1	6-14-22	8:21	SW							X	
3	MC 2	6-14-22	8:40	SW							X	
4	JG 2	6-14-22	9:08	SW							X	
5	WRT 1	6-14-22	9:30	SW							X	
6	WRT 2	6-14-22	9:40	SW							X	
7												
8												
9												
10												

Reinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time	Reinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
<i>Boyer</i>	6/14/22	10:12	<i>Boyer</i>	6/14/22	10:22						

**FINANCE CHARGES APPLIED TO PAST DUE INVOICES**

# Login Sample Receipt Checklist

Client: Lovell Engineering Associates

Job Number: 674-162-1

**Login Number: 162**

**List Number: 1**

**Creator: Briggs, Donna**

**List Source: Eurofins Madison**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	



## ANALYTICAL REPORT

Eurofins Madison  
812 S.W. Harvey Greene Drive  
Madison, FL 32340  
Tel: (850)973-6878

Laboratory Job ID: 674-194-1  
Client Project/Site: Lovell-LCI

For:  
Lovell Engineering Associates  
3998 Inner Perimeter Road  
Valdosta, Georgia 31602

Attn: Robert Rickart



Authorized for release by:  
6/17/2022 7:01:34 AM

Judson Rogers III, Project Manager  
(407)339-5984

[Judson.RogersIII@et.eurofinsus.com](mailto:Judson.RogersIII@et.eurofinsus.com)

### LINKS

Review your project  
results through



Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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# Definitions/Glossary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-194-1

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Case Narrative

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-194-1

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**Job ID: 674-194-1**

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**Laboratory: Eurofins Madison**

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**Narrative**

**Job Narrative  
674-194-1**

**Receipt**

The samples were received on 6/15/2022 10:50 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

**Biology**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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# Detection Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-194-1

## Client Sample ID: WR 2

Lab Sample ID: 674-194-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	265.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: WR1

Lab Sample ID: 674-194-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	158.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: FC0

Lab Sample ID: 674-194-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	1043.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: FC1

Lab Sample ID: 674-194-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	72.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: FC2

Lab Sample ID: 674-194-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	>24196.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: WR3

Lab Sample ID: 674-194-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	1470.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: WR4

Lab Sample ID: 674-194-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	19863.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: WR5

Lab Sample ID: 674-194-8

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	73.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Madison

# Client Sample Results

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-194-1

## Client Sample ID: WR 2

Date Collected: 06/15/22 07:46

Date Received: 06/15/22 10:50

Lab Sample ID: 674-194-1

Matrix: Water

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	265.0		10.0	10.0	MPN/100mL			06/15/22 12:30	1

## Client Sample ID: WR1

Date Collected: 06/15/22 08:08

Date Received: 06/15/22 10:50

Lab Sample ID: 674-194-2

Matrix: Water

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	158.0		10.0	10.0	MPN/100mL			06/15/22 12:30	1

## Client Sample ID: FC0

Date Collected: 06/15/22 08:25

Date Received: 06/15/22 10:50

Lab Sample ID: 674-194-3

Matrix: Water

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	1043.0		10.0	10.0	MPN/100mL			06/15/22 12:30	1

## Client Sample ID: FC1

Date Collected: 06/15/22 08:36

Date Received: 06/15/22 10:50

Lab Sample ID: 674-194-4

Matrix: Water

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	72.0		10.0	10.0	MPN/100mL			06/15/22 12:30	1

## Client Sample ID: FC2

Date Collected: 06/15/22 08:55

Date Received: 06/15/22 10:50

Lab Sample ID: 674-194-5

Matrix: Water

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	>24196.0		10.0	10.0	MPN/100mL			06/15/22 12:30	1

## Client Sample ID: WR3

Date Collected: 06/15/22 09:15

Date Received: 06/15/22 10:50

Lab Sample ID: 674-194-6

Matrix: Water

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	1470.0		10.0	10.0	MPN/100mL			06/15/22 12:30	1

## Client Sample ID: WR4

Date Collected: 06/15/22 09:30

Date Received: 06/15/22 10:50

Lab Sample ID: 674-194-7

Matrix: Water

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	19863.0		10.0	10.0	MPN/100mL			06/15/22 12:30	1

Eurofins Madison

# Client Sample Results

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-194-1

**Client Sample ID: WR5**

**Lab Sample ID: 674-194-8**

**Date Collected: 06/15/22 10:00**

**Matrix: Water**

**Date Received: 06/15/22 10:50**

**Method: Coliform - Coliforms, Fecal**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	73.0		10.0	10.0	MPN/100mL			06/15/22 12:30	1

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# QC Association Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-194-1

## Biology

### Analysis Batch: 75

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
674-194-1	WR 2	Total/NA	Water	Coliform	
674-194-2	WR1	Total/NA	Water	Coliform	
674-194-3	FC0	Total/NA	Water	Coliform	
674-194-4	FC1	Total/NA	Water	Coliform	
674-194-5	FC2	Total/NA	Water	Coliform	
674-194-6	WR3	Total/NA	Water	Coliform	
674-194-7	WR4	Total/NA	Water	Coliform	
674-194-8	WR5	Total/NA	Water	Coliform	





# Lab Chronicle

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-194-1

## Client Sample ID: WR 2

Date Collected: 06/15/22 07:46

Date Received: 06/15/22 10:50

Lab Sample ID: 674-194-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Coliform		1	75	06/15/22 12:30	DB	TAL ESM

## Client Sample ID: WR1

Date Collected: 06/15/22 08:08

Date Received: 06/15/22 10:50

Lab Sample ID: 674-194-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Coliform		1	75	06/15/22 12:30	DB	TAL ESM

## Client Sample ID: FC0

Date Collected: 06/15/22 08:25

Date Received: 06/15/22 10:50

Lab Sample ID: 674-194-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Coliform		1	75	06/15/22 12:30	DB	TAL ESM

## Client Sample ID: FC1

Date Collected: 06/15/22 08:36

Date Received: 06/15/22 10:50

Lab Sample ID: 674-194-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Coliform		1	75	06/15/22 12:30	DB	TAL ESM

## Client Sample ID: FC2

Date Collected: 06/15/22 08:55

Date Received: 06/15/22 10:50

Lab Sample ID: 674-194-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Coliform		1	75	06/15/22 12:30	DB	TAL ESM

## Client Sample ID: WR3

Date Collected: 06/15/22 09:15

Date Received: 06/15/22 10:50

Lab Sample ID: 674-194-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Coliform		1	75	06/15/22 12:30	DB	TAL ESM

## Client Sample ID: WR4

Date Collected: 06/15/22 09:30

Date Received: 06/15/22 10:50

Lab Sample ID: 674-194-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Coliform		1	75	06/15/22 12:30	DB	TAL ESM

# Lab Chronicle

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-194-1

**Client Sample ID: WR5**

**Lab Sample ID: 674-194-8**

**Date Collected: 06/15/22 10:00**

**Matrix: Water**

**Date Received: 06/15/22 10:50**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Coliform		1	75	06/15/22 12:30	DB	TAL ESM

**Laboratory References:**

TAL ESM = Eurofins Madison, 812 S.W. Harvey Greene Drive, Madison, FL 32340, TEL (850)973-6878

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# Accreditation/Certification Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-194-1

## Laboratory: Eurofins Madison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E82405	06-30-22

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# Method Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-194-1

---

Method	Method Description	Protocol	Laboratory
Coliform	Coliforms, Fecal	IDEXX	TAL ESM

---

**Protocol References:**

IDEXX = IDEXX Laboratories

**Laboratory References:**

TAL ESM = Eurofins Madison, 812 S.W. Harvey Greene Drive, Madison, FL 32340, TEL (850)973-6878

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# Sample Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-194-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
674-194-1	WR 2	Water	06/15/22 07:46	06/15/22 10:50
674-194-2	WR1	Water	06/15/22 08:08	06/15/22 10:50
674-194-3	FC0	Water	06/15/22 08:25	06/15/22 10:50
674-194-4	FC1	Water	06/15/22 08:36	06/15/22 10:50
674-194-5	FC2	Water	06/15/22 08:55	06/15/22 10:50
674-194-6	WR3	Water	06/15/22 09:15	06/15/22 10:50
674-194-7	WR4	Water	06/15/22 09:30	06/15/22 10:50
674-194-8	WR5	Water	06/15/22 10:00	06/15/22 10:50

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**Check Box That Applies To Your Location**

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- Flowers Chemical Labs - North
- Flowers Chemical Labs - North
- Flowers Chemical Labs - Ft. Meyers

**FLOWER**  
**CHEMICAL**  
**LABORATORY**  
 INCORPORATE

812 S.W. Harvey Greene Dr.  
 Madison, FL 32340  
 Bus: 850-973-6878  
 Fax: 850-973-6878

3980 Overseas Highway, Ste. 103  
 Marathon, FL 33050  
 Bus: 305-743-8598  
 Fax: 305-743-8598

674-194 COC

**DOWNLOAD REPORTS, INVOICES AND CHAINS OF CUSTODY www.flowerslabs.com**

Client: **Lovell Engineering Associates, PC**

Address: **3998 Inner Perimeter Rd, Ste C**

**Valdosta, GA 31602**

Phone: **229.253.0900**

Sampled By (PRINT):

Project Name: **LCI**

Client Contact: **Rob Rickett**

FCL Project Manager

Requested Due Date: **OR**

Pick-up Fee: \$

Vehicle Surcharge: \$

Sampling Fee: \$

Date Sampled: **6-15-22**

Sampler Signature: *Hunter Whitley*

GW - ground water DW - drinking water WW - wastewater  
 SW - surface water S - soil/solid SL - sludge HW - waste

ITEM NO	SAMPLE ID	DATE	TIME	MATRIX	(LAB USE ONLY) LAB NO.	NONE	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	ANALYSES REQUEST	COMMENTS	Total # Containers
1	WR 2	6-15-22	7:46	SW	194	1					Fecal	On ice	
2	WR 1	6-15-22	8:08	SW		2							
3	FC 0	6-15-22	8:25	SW		3							
4	FC 1	6-15-22	8:36	SW		4							
5	FC 2	6-15-22	8:55	SW		5							
6	WR 3	6-15-22	9:15	SW		6							
7	WR 4	6-15-22	9:30	SW		7							
8	WR 5	6-15-22	10:00	SW		8							
9													
10													

Relinquished By / Affiliation: *Hunter Whitley*

Date: **6-15-22** Time: **10:50**

Accepted By / Affiliation: *[Signature]*

Date: **6-15-22** Time: **10:50**

Accepted By / Affiliation: *[Signature]*

Date: **6-15-22** Time: **10:50**

**FINANCE CHARGES APPLIED TO PAST DUE INVOICES**

• WHITE - Lab Copy - To Be Scanned

• YELLOW - Client Copy

# Login Sample Receipt Checklist

Client: Lovell Engineering Associates

Job Number: 674-194-1

**Login Number: 194**

**List Number: 1**

**Creator: Lipscomb, Amy**

**List Source: Eurofins Madison**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

## ANALYTICAL REPORT

Eurofins Madison  
812 S.W. Harvey Greene Drive  
Madison, FL 32340  
Tel: (850)973-6878

Laboratory Job ID: 674-248-1  
Client Project/Site: Lovell-LCI

For:  
Lovell Engineering Associates  
3998 Inner Perimeter Road  
Valdosta, Georgia 31602

Attn: Robert Rickart



Authorized for release by:  
6/22/2022 12:35:50 PM

Judson Rogers III, Project Manager  
(407)339-5984

[Judson.RogersIII@et.eurofinsus.com](mailto:Judson.RogersIII@et.eurofinsus.com)

### LINKS

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results through



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[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.





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## Definitions/Glossary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-248-1

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Case Narrative

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-248-1

---

**Job ID: 674-248-1**

---

**Laboratory: Eurofins Madison**

---

**Narrative**

**Job Narrative  
674-248-1**

**Receipt**

The samples were received on 6/21/2022 10:34 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 6.0°C

**Biology**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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# Detection Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-248-1

## Client Sample ID: WR 2

Lab Sample ID: 674-248-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	41.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: WR1

Lab Sample ID: 674-248-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	85.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: FC0

Lab Sample ID: 674-248-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	908.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: FC1

Lab Sample ID: 674-248-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	318.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: FC2

Lab Sample ID: 674-248-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	1246.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: WR3

Lab Sample ID: 674-248-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	145.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: WR4

Lab Sample ID: 674-248-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	187.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: WR5

Lab Sample ID: 674-248-8

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	156.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Madison

# Client Sample Results

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-248-1

## Client Sample ID: WR 2

Lab Sample ID: 674-248-1

Date Collected: 06/21/22 07:35

Matrix: Water

Date Received: 06/21/22 10:34

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	41.0		10.0	10.0	MPN/100mL			06/21/22 11:20	1

## Client Sample ID: WR1

Lab Sample ID: 674-248-2

Date Collected: 06/21/22 07:58

Matrix: Water

Date Received: 06/21/22 10:34

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	85.0		10.0	10.0	MPN/100mL			06/21/22 11:20	1

## Client Sample ID: FC0

Lab Sample ID: 674-248-3

Date Collected: 06/21/22 08:11

Matrix: Water

Date Received: 06/21/22 10:34

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	908.0		10.0	10.0	MPN/100mL			06/21/22 11:20	1

## Client Sample ID: FC1

Lab Sample ID: 674-248-4

Date Collected: 06/21/22 08:26

Matrix: Water

Date Received: 06/21/22 10:34

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	318.0		10.0	10.0	MPN/100mL			06/21/22 11:20	1

## Client Sample ID: FC2

Lab Sample ID: 674-248-5

Date Collected: 06/21/22 08:45

Matrix: Water

Date Received: 06/21/22 10:34

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	1246.0		10.0	10.0	MPN/100mL			06/21/22 11:20	1

## Client Sample ID: WR3

Lab Sample ID: 674-248-6

Date Collected: 06/21/22 09:00

Matrix: Water

Date Received: 06/21/22 10:34

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	145.0		10.0	10.0	MPN/100mL			06/21/22 11:20	1

## Client Sample ID: WR4

Lab Sample ID: 674-248-7

Date Collected: 06/21/22 09:18

Matrix: Water

Date Received: 06/21/22 10:34

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	187.0		10.0	10.0	MPN/100mL			06/21/22 11:20	1

Eurofins Madison

# Client Sample Results

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-248-1

**Client Sample ID: WR5**

**Lab Sample ID: 674-248-8**

Date Collected: 06/21/22 09:45

Matrix: Water

Date Received: 06/21/22 10:34

**Method: Coliform - Coliforms, Fecal**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	156.0		10.0	10.0	MPN/100mL			06/21/22 11:20	1

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# QC Association Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-248-1

## Biology

### Analysis Batch: 98

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
674-248-1	WR 2	Total/NA	Water	Coliform	
674-248-2	WR1	Total/NA	Water	Coliform	
674-248-3	FC0	Total/NA	Water	Coliform	
674-248-4	FC1	Total/NA	Water	Coliform	
674-248-5	FC2	Total/NA	Water	Coliform	
674-248-6	WR3	Total/NA	Water	Coliform	
674-248-7	WR4	Total/NA	Water	Coliform	
674-248-8	WR5	Total/NA	Water	Coliform	



# Lab Chronicle

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-248-1

## Client Sample ID: WR 2

Lab Sample ID: 674-248-1

Date Collected: 06/21/22 07:35

Matrix: Water

Date Received: 06/21/22 10:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Coliform		1	98	06/21/22 11:20	AL	TAL ESM

## Client Sample ID: WR1

Lab Sample ID: 674-248-2

Date Collected: 06/21/22 07:58

Matrix: Water

Date Received: 06/21/22 10:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Coliform		1	98	06/21/22 11:20	AL	TAL ESM

## Client Sample ID: FC0

Lab Sample ID: 674-248-3

Date Collected: 06/21/22 08:11

Matrix: Water

Date Received: 06/21/22 10:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Coliform		1	98	06/21/22 11:20	AL	TAL ESM

## Client Sample ID: FC1

Lab Sample ID: 674-248-4

Date Collected: 06/21/22 08:26

Matrix: Water

Date Received: 06/21/22 10:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Coliform		1	98	06/21/22 11:20	AL	TAL ESM

## Client Sample ID: FC2

Lab Sample ID: 674-248-5

Date Collected: 06/21/22 08:45

Matrix: Water

Date Received: 06/21/22 10:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Coliform		1	98	06/21/22 11:20	AL	TAL ESM

## Client Sample ID: WR3

Lab Sample ID: 674-248-6

Date Collected: 06/21/22 09:00

Matrix: Water

Date Received: 06/21/22 10:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Coliform		1	98	06/21/22 11:20	AL	TAL ESM

## Client Sample ID: WR4

Lab Sample ID: 674-248-7

Date Collected: 06/21/22 09:18

Matrix: Water

Date Received: 06/21/22 10:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Coliform		1	98	06/21/22 11:20	AL	TAL ESM



# Lab Chronicle

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-248-1

**Client Sample ID: WR5**

**Lab Sample ID: 674-248-8**

**Date Collected: 06/21/22 09:45**

**Matrix: Water**

**Date Received: 06/21/22 10:34**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Coliform		1	98	06/21/22 11:20	AL	TAL ESM

**Laboratory References:**

TAL ESM = Eurofins Madison, 812 S.W. Harvey Greene Drive, Madison, FL 32340, TEL (850)973-6878



# Accreditation/Certification Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-248-1

## Laboratory: Eurofins Madison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E82405	06-30-22

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# Method Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-248-1

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Method	Method Description	Protocol	Laboratory
Coliform	Coliforms, Fecal	IDEXX	TAL ESM

---

**Protocol References:**

IDEXX = IDEXX Laboratories

**Laboratory References:**

TAL ESM = Eurofins Madison, 812 S.W. Harvey Greene Drive, Madison, FL 32340, TEL (850)973-6878

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# Sample Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-248-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
674-248-1	WR 2	Water	06/21/22 07:35	06/21/22 10:34
674-248-2	WR1	Water	06/21/22 07:58	06/21/22 10:34
674-248-3	FC0	Water	06/21/22 08:11	06/21/22 10:34
674-248-4	FC1	Water	06/21/22 08:26	06/21/22 10:34
674-248-5	FC2	Water	06/21/22 08:45	06/21/22 10:34
674-248-6	WR3	Water	06/21/22 09:00	06/21/22 10:34
674-248-7	WR4	Water	06/21/22 09:18	06/21/22 10:34
674-248-8	WR5	Water	06/21/22 09:45	06/21/22 10:34

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**Check Box That Applies To Your Location**

- Flowers Chemical Labs - Fort Lauderdale, Inc.
- Flowers Chemical Labs - South
- Flowers Chemical Labs - North
- Flowers Chemical Labs - Fwy

481 Newburyport Ave.  
Altamonte Springs, FL 32701  
Bus: 407-339-5984  
Fax: 407-260-6110

West Park Industrial Plaza  
571 N.W. Mercantile Pl., Ste. 111  
Port St. Lucie, FL 34986  
Bus: 772-343-8006  
Fax: 772-343-8089

812 S.W. Harvey Greene Dr.  
Madison, FL 32340  
Bus: 850-973-6878  
Fax: 850-973-6878

3980 Overseas Highway, Ste. 103  
Marathon, FL 33050  
Bus: 305-743-8598  
Fax: 305-743-8598



**DOWNLOAD REPORTS, INVOICES AND CHAINS OF CUSTODY [www.flowerslabs.com](http://www.flowerslabs.com)**

Client: **Lovell Engineering Associates, PC**

Address: **3998 Inner Perimeter Rd, Ste C**

**Valdosta, GA 31602**

Phone: **229.253.0900**

Sampled By (PRINT):

Project Name: **LCI**

Client Contact: **Rob Rickert**

FCL Project Manager

Requested Due Date: **OR**

Pick-Up Fee: \$

Vehicle Surcharge: \$

Sampling Fee: \$

Comments: **6cc**

Sampler Signature

Date Sampled

GW - ground water  
SW - surface water  
S - soil/solid  
SL - sludge  
WW - wastewater  
HW - waste

ITEM NO.	SAMPLE ID	DATE	TIME	MATRIX	(LAB USE ONLY) LAB NO.	NONE	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	ANALYSES REQUEST	COMMENTS
1	WR 2	6/21/12	7:35	SW	048	1					X	On ice
2	WR 1	6/21/12	7:58	SW		2					X	
3	FC 0	6/21/12	8:11	SW		3					X	
4	FC 1	6/21/12	8:26	SW		4					X	
5	FC 2	6/21/12	8:45	SW		5					X	
6	WR 3	6/21/12	9:00	SW		6					X	
7	WR 4	6/21/12	9:18	SW		7					X	
8	WR 5	6/21/12	9:45	SW		8					X	
9												
10												

Relinquished By / Affiliation: *Bye White*

Date: **6/21/12** Time: **10:32**

Accepted By / Affiliation: *Rob Rickert*

Date: **6-21-12** Time: **10:31**

Relinquished By / Affiliation:

Date: Time:

Accepted By / Affiliation:

Date: Time:

**FINANCE CHARGES APPLIED TO PAST DUE INVOICES**

• WHITE - Lab Copy - To Be Scanned

• YELLOW - Client Copy

## Login Sample Receipt Checklist

Client: Lovell Engineering Associates

Job Number: 674-248-1

**Login Number: 248**

**List Number: 1**

**Creator: Lipscomb, Amy**

**List Source: Eurofins Madison**

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

## ANALYTICAL REPORT

Eurofins Madison  
812 S.W. Harvey Greene Drive  
Madison, FL 32340  
Tel: (850)973-6878

Laboratory Job ID: 674-265-1  
Client Project/Site: Lovell-LCI

For:  
Lovell Engineering Associates  
3998 Inner Perimeter Road  
Valdosta, Georgia 31602

Attn: Robert Rickart



Authorized for release by:  
6/23/2022 9:55:56 AM

Judson Rogers III, Project Manager  
(407)339-5984

[Judson.RogersIII@et.eurofinsus.com](mailto:Judson.RogersIII@et.eurofinsus.com)

### LINKS

Review your project  
results through



Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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## Definitions/Glossary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-265-1

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Case Narrative

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-265-1

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**Job ID: 674-265-1**

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**Laboratory: Eurofins Madison**

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**Narrative**

**Job Narrative**  
**674-265-1**

**Receipt**

The samples were received on 6/22/2022 9:38 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

**Biology**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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# Detection Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-265-1

## Client Sample ID: MC 1

Lab Sample ID: 674-265-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	459.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: MC 2

Lab Sample ID: 674-265-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	320.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: JG 2

Lab Sample ID: 674-265-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	204.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: WRT 1

Lab Sample ID: 674-265-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	359.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Madison

# Client Sample Results

Client: Lovell Engineering Associates  
 Project/Site: Lovell-LCI

Job ID: 674-265-1

**Client Sample ID: MC 1**

**Lab Sample ID: 674-265-1**

Date Collected: 06/22/22 07:47

Matrix: Water

Date Received: 06/22/22 09:38

**Method: Coliform - Coliforms, Fecal**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	459.0		10.0	10.0	MPN/100mL			06/22/22 10:30	1

**Client Sample ID: MC 2**

**Lab Sample ID: 674-265-2**

Date Collected: 06/22/22 08:06

Matrix: Water

Date Received: 06/22/22 09:38

**Method: Coliform - Coliforms, Fecal**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	320.0		10.0	10.0	MPN/100mL			06/22/22 10:30	1

**Client Sample ID: JG 2**

**Lab Sample ID: 674-265-3**

Date Collected: 06/22/22 08:35

Matrix: Water

Date Received: 06/22/22 09:38

**Method: Coliform - Coliforms, Fecal**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	204.0		10.0	10.0	MPN/100mL			06/22/22 10:30	1

**Client Sample ID: WRT 1**

**Lab Sample ID: 674-265-4**

Date Collected: 06/22/22 08:56

Matrix: Water

Date Received: 06/22/22 09:38

**Method: Coliform - Coliforms, Fecal**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	359.0		10.0	10.0	MPN/100mL			06/22/22 10:30	1

# QC Association Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-265-1

## Biology

### Analysis Batch: 103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
674-265-1	MC 1	Total/NA	Water	Coliform	
674-265-2	MC 2	Total/NA	Water	Coliform	
674-265-3	JG 2	Total/NA	Water	Coliform	
674-265-4	WRT 1	Total/NA	Water	Coliform	

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- 12
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# Lab Chronicle

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-265-1

## Client Sample ID: MC 1

Date Collected: 06/22/22 07:47

Date Received: 06/22/22 09:38

Lab Sample ID: 674-265-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Coliform		1	103	06/22/22 10:30	DB	TAL ESM

## Client Sample ID: MC 2

Date Collected: 06/22/22 08:06

Date Received: 06/22/22 09:38

Lab Sample ID: 674-265-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Coliform		1	103	06/22/22 10:30	DB	TAL ESM

## Client Sample ID: JG 2

Date Collected: 06/22/22 08:35

Date Received: 06/22/22 09:38

Lab Sample ID: 674-265-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Coliform		1	103	06/22/22 10:30	DB	TAL ESM

## Client Sample ID: WRT 1

Date Collected: 06/22/22 08:56

Date Received: 06/22/22 09:38

Lab Sample ID: 674-265-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Coliform		1	103	06/22/22 10:30	DB	TAL ESM

### Laboratory References:

TAL ESM = Eurofins Madison, 812 S.W. Harvey Greene Drive, Madison, FL 32340, TEL (850)973-6878

# Accreditation/Certification Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-265-1

## Laboratory: Eurofins Madison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E82405	06-30-22

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# Method Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-265-1

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Method	Method Description	Protocol	Laboratory
Coliform	Coliforms, Fecal	IDEXX	TAL ESM

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**Protocol References:**

IDEXX = IDEXX Laboratories

**Laboratory References:**

TAL ESM = Eurofins Madison, 812 S.W. Harvey Greene Drive, Madison, FL 32340, TEL (850)973-6878

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# Sample Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-265-1

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
674-265-1	MC 1	Water	06/22/22 07:47	06/22/22 09:38
674-265-2	MC 2	Water	06/22/22 08:06	06/22/22 09:38
674-265-3	JG 2	Water	06/22/22 08:35	06/22/22 09:38
674-265-4	WRT 1	Water	06/22/22 08:56	06/22/22 09:38

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**Check Box That Applies To Your Location**

- Flowers (hemikal) Labs - Fort Myers
- Flowers (hemikal) Labs - South West Park Industrial Plaza
- Flowers (hemikal) Labs - North 812 S.W. Harvey Greene Dr.
- Flowers (hemikal) Labs - Fort Myers 3980 Overseas Highway, Ste. 103



**DOWNLOAD REPORTS, INVOICES AND CHAINS OF CUSTODY www.flowerslabs.com**

Client: **Lovell Engineering Associates, PC**  
 Address: **3998 Inner Perimeter Rd, Ste C**  
 Project Name: **LCI**  
 Client Contact: **Rob Rickett**  
 FOL Project Manager: **Rob Rickett**  
 P.O. #: **229.253.1842**  
 FAX: **229.253.1842**  
 E-MAIL: **rob.rickett@lea-pc.com**

Valdosta, GA 31602

Phone: **229.253.0900**

Sampled By (PRINT):

Sampler Signature: *Hunter Malley* Date Sampled: **6-22-22**

GW - ground water DW - drinking water WW - wastewater  
 SW - surface water S - soil/solid SL - sludge HW - waste

ITEM NO	SAMPLE ID	DATE	TIME	MATRIX	(LAB USE ONLY) LAB NO.	NONE	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	ANALYSES REQUEST	Vehicle Surcharge	Sampling Fee	COMMENTS	Total # Containers
1	MC 1	6-22-22	7:47	SW	205						X			On ice ✓	
2	MC 2	6-22-22	8:06	SW							X			✓	
3	JG 2	6-22-22	8:35	SW							X			✓	
4	WRT 1	6-22-22	8:56	SW							X			✓	
5	WRT 2			SW							X				
6															
7															
8															
9															
10															

Relinquished By / Affiliation: *Hunter Malley*

Date: **6-22-22** Time: **9:35**

Accepted By / Affiliation: *Dr. Alvario*

Date: **6-22-22** Time: **9:38**

Relinquished By / Affiliation:

Date: Time:

Accepted By / Affiliation:

Date: Time:

**FINANCE CHARGES APPLIED TO PAST DUE INVOICES**

• WHITE - Lab Copy - To Be Scanned

• YELLOW - Client Copy

## Login Sample Receipt Checklist

Client: Lovell Engineering Associates

Job Number: 674-265-1

**Login Number: 265**

**List Number: 1**

**Creator: Lipscomb, Amy**

**List Source: Eurofins Madison**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	



## ANALYTICAL REPORT

Eurofins Madison  
812 S.W. Harvey Greene Drive  
Madison, FL 32340  
Tel: (850)973-6878

Laboratory Job ID: 674-1394-1  
Client Project/Site: Lovell-LCI

For:  
Lovell Engineering Associates  
3998 Inner Perimeter Road  
Valdosta, Georgia 31602

Attn: Robert Rickart



Authorized for release by:  
9/21/2022 10:13:08 AM

Judson Rogers III, Project Manager  
(407)339-5984

[Judson.RogersIII@et.eurofinsus.com](mailto:Judson.RogersIII@et.eurofinsus.com)

### LINKS

Review your project  
results through



Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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# Definitions/Glossary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1394-1

## Qualifiers

### Metals

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

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Case Narrative

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1394-1

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**Job ID: 674-1394-1**

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**Laboratory: Eurofins Madison**

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**Narrative**

**Job Narrative  
674-1394-1**

**Receipt**

The samples were received on 9/7/2022 11:29 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 6.0°C

**Metals**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**Biology**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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# Detection Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1394-1

## Client Sample ID: WR2

Lab Sample ID: 674-1394-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Mercury	8.5	I	10	5.0	ng/L	1			245.1 LL	Total/NA
Coliform, Fecal	49.5		1.0	1.0	MPN/100mL	1			Coliform	Total/NA

## Client Sample ID: WR1

Lab Sample ID: 674-1394-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Mercury	9.0	I	10	5.0	ng/L	1			245.1 LL	Total/NA
Coliform, Fecal	131.7		1.0	1.0	MPN/100mL	1			Coliform	Total/NA

## Client Sample ID: FC 0

Lab Sample ID: 674-1394-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Coliform, Fecal	16.6		1.0	1.0	MPN/100mL	1			Coliform	Total/NA

## Client Sample ID: FC 1

Lab Sample ID: 674-1394-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Coliform, Fecal	59.8		1.0	1.0	MPN/100mL	1			Coliform	Total/NA

## Client Sample ID: FC 2

Lab Sample ID: 674-1394-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Coliform, Fecal	93.4		1.0	1.0	MPN/100mL	1			Coliform	Total/NA

## Client Sample ID: WR 3

Lab Sample ID: 674-1394-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Mercury	7.8	I	10	5.0	ng/L	1			245.1 LL	Total/NA
Coliform, Fecal	54.5		1.0	1.0	MPN/100mL	1			Coliform	Total/NA

## Client Sample ID: WR 4

Lab Sample ID: 674-1394-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Mercury	9.1	I	12	6.1	ng/L	1			245.1 LL	Total/NA
Coliform, Fecal	88.4		1.0	1.0	MPN/100mL	1			Coliform	Total/NA

## Client Sample ID: WR 6

Lab Sample ID: 674-1394-8

No Detections.

## Client Sample ID: WRT 1

Lab Sample ID: 674-1394-9

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Coliform, Fecal	126.7		1.0	1.0	MPN/100mL	1			Coliform	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Madison



# Client Sample Results

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1394-1

## Client Sample ID: WR2

Lab Sample ID: 674-1394-1

Date Collected: 09/07/22 07:30

Matrix: Water

Date Received: 09/07/22 11:29

### Method: 245.1 LL - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	8.5	I	10	5.0	ng/L		09/16/22 11:25	09/20/22 12:03	1

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	49.5		1.0	1.0	MPN/100mL			09/07/22 12:00	1

## Client Sample ID: WR1

Lab Sample ID: 674-1394-2

Date Collected: 09/07/22 08:15

Matrix: Water

Date Received: 09/07/22 11:29

### Method: 245.1 LL - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	9.0	I	10	5.0	ng/L		09/16/22 11:25	09/20/22 12:06	1

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	131.7		1.0	1.0	MPN/100mL			09/07/22 12:00	1

## Client Sample ID: FC 0

Lab Sample ID: 674-1394-3

Date Collected: 09/07/22 08:30

Matrix: Water

Date Received: 09/07/22 11:29

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	16.6		1.0	1.0	MPN/100mL			09/07/22 12:00	1

## Client Sample ID: FC 1

Lab Sample ID: 674-1394-4

Date Collected: 09/07/22 08:37

Matrix: Water

Date Received: 09/07/22 11:29

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	59.8		1.0	1.0	MPN/100mL			09/07/22 12:00	1

## Client Sample ID: FC 2

Lab Sample ID: 674-1394-5

Date Collected: 09/07/22 08:53

Matrix: Water

Date Received: 09/07/22 11:29

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	93.4		1.0	1.0	MPN/100mL			09/07/22 12:00	1

## Client Sample ID: WR 3

Lab Sample ID: 674-1394-6

Date Collected: 09/07/22 08:08

Matrix: Water

Date Received: 09/07/22 11:29

### Method: 245.1 LL - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	7.8	I	10	5.0	ng/L		09/16/22 11:25	09/20/22 12:08	1

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	54.5		1.0	1.0	MPN/100mL			09/07/22 12:00	1

Eurofins Madison

# Client Sample Results

Client: Lovell Engineering Associates  
 Project/Site: Lovell-LCI

Job ID: 674-1394-1

**Client Sample ID: WR 4**

**Lab Sample ID: 674-1394-7**

Date Collected: 09/07/22 09:30

Matrix: Water

Date Received: 09/07/22 11:29

**Method: 200.8 - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.0011	U	0.0022	0.0011	mg/L		09/12/22 10:14	09/13/22 17:34	1

**Method: 245.1 LL - Mercury (CVAA)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	9.1	I	12	6.1	ng/L		09/16/22 11:25	09/20/22 12:11	1

**Method: Coliform - Coliforms, Fecal**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	88.4		1.0	1.0	MPN/100mL			09/07/22 12:00	1

**Client Sample ID: WR 6**

**Lab Sample ID: 674-1394-8**

Date Collected: 09/07/22 10:30

Matrix: Water

Date Received: 09/07/22 11:29

**Method: 245.1 LL - Mercury (CVAA)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	5.0	U	10	5.0	ng/L		09/16/22 11:25	09/20/22 12:14	1

**Client Sample ID: WRT 1**

**Lab Sample ID: 674-1394-9**

Date Collected: 09/07/22 10:47

Matrix: Water

Date Received: 09/07/22 11:29

**Method: Coliform - Coliforms, Fecal**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	126.7		1.0	1.0	MPN/100mL			09/07/22 12:00	1

# QC Sample Results

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1394-1

## Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 670-5969/3-A  
Matrix: Water  
Analysis Batch: 6164

Client Sample ID: Method Blank  
Prep Type: Total Recoverable  
Prep Batch: 5969

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.0010	U	0.0020	0.0010	mg/L		09/12/22 10:14	09/13/22 15:58	1

Lab Sample ID: LCS 670-5969/1-A  
Matrix: Water  
Analysis Batch: 6164

Client Sample ID: Lab Control Sample  
Prep Type: Total Recoverable  
Prep Batch: 5969

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	0.100	0.0924		mg/L		92	85 - 115

Lab Sample ID: LCSD 670-5969/2-A  
Matrix: Water  
Analysis Batch: 6164

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total Recoverable  
Prep Batch: 5969

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead	0.100	0.0933		mg/L		93	85 - 115	1	40

## Method: 245.1 LL - Mercury (CVAA)

Lab Sample ID: MB 670-6341/11-A  
Matrix: Water  
Analysis Batch: 6524

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 6341

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	5.0	U	10	5.0	ng/L		09/16/22 11:25	09/20/22 11:52	1

Lab Sample ID: LCS 670-6341/9-A  
Matrix: Water  
Analysis Batch: 6524

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 6341

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	50.0	48.5		ng/L		97	80 - 120

Lab Sample ID: LCSD 670-6341/10-A  
Matrix: Water  
Analysis Batch: 6524

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 6341

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	50.0	51.0		ng/L		102	80 - 120	5	20

# QC Association Summary

Client: Lovell Engineering Associates  
 Project/Site: Lovell-LCI

Job ID: 674-1394-1

## Metals

### Prep Batch: 5969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
674-1394-7	WR 4	Total Recoverable	Water	200.8	
MB 670-5969/3-A	Method Blank	Total Recoverable	Water	200.8	
LCS 670-5969/1-A	Lab Control Sample	Total Recoverable	Water	200.8	
LCSD 670-5969/2-A	Lab Control Sample Dup	Total Recoverable	Water	200.8	

### Analysis Batch: 6164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
674-1394-7	WR 4	Total Recoverable	Water	200.8	5969
MB 670-5969/3-A	Method Blank	Total Recoverable	Water	200.8	5969
LCS 670-5969/1-A	Lab Control Sample	Total Recoverable	Water	200.8	5969
LCSD 670-5969/2-A	Lab Control Sample Dup	Total Recoverable	Water	200.8	5969

### Prep Batch: 6341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
674-1394-1	WR2	Total/NA	Water	245.1 LL	
674-1394-2	WR1	Total/NA	Water	245.1 LL	
674-1394-6	WR 3	Total/NA	Water	245.1 LL	
674-1394-7	WR 4	Total/NA	Water	245.1 LL	
674-1394-8	WR 6	Total/NA	Water	245.1 LL	
MB 670-6341/11-A	Method Blank	Total/NA	Water	245.1 LL	
LCS 670-6341/9-A	Lab Control Sample	Total/NA	Water	245.1 LL	
LCSD 670-6341/10-A	Lab Control Sample Dup	Total/NA	Water	245.1 LL	

### Analysis Batch: 6524

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
674-1394-1	WR2	Total/NA	Water	245.1 LL	6341
674-1394-2	WR1	Total/NA	Water	245.1 LL	6341
674-1394-6	WR 3	Total/NA	Water	245.1 LL	6341
674-1394-7	WR 4	Total/NA	Water	245.1 LL	6341
674-1394-8	WR 6	Total/NA	Water	245.1 LL	6341
MB 670-6341/11-A	Method Blank	Total/NA	Water	245.1 LL	6341
LCS 670-6341/9-A	Lab Control Sample	Total/NA	Water	245.1 LL	6341
LCSD 670-6341/10-A	Lab Control Sample Dup	Total/NA	Water	245.1 LL	6341

## Biology

### Analysis Batch: 480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
674-1394-1	WR2	Total/NA	Water	Coliform	
674-1394-2	WR1	Total/NA	Water	Coliform	
674-1394-3	FC 0	Total/NA	Water	Coliform	
674-1394-4	FC 1	Total/NA	Water	Coliform	
674-1394-5	FC 2	Total/NA	Water	Coliform	
674-1394-6	WR 3	Total/NA	Water	Coliform	
674-1394-7	WR 4	Total/NA	Water	Coliform	
674-1394-9	WRT 1	Total/NA	Water	Coliform	

# Lab Chronicle

Client: Lovell Engineering Associates  
 Project/Site: Lovell-LCI

Job ID: 674-1394-1

**Client Sample ID: WR2**

**Lab Sample ID: 674-1394-1**

Date Collected: 09/07/22 07:30

Matrix: Water

Date Received: 09/07/22 11:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	245.1 LL			6341	NR	EET ORL	09/16/22 11:25
Total/NA	Analysis	245.1 LL		1	6524	NR	EET ORL	09/20/22 12:03
Total/NA	Analysis	Coliform		1	480	DB	EET MAD	09/07/22 12:00

**Client Sample ID: WR1**

**Lab Sample ID: 674-1394-2**

Date Collected: 09/07/22 08:15

Matrix: Water

Date Received: 09/07/22 11:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	245.1 LL			6341	NR	EET ORL	09/16/22 11:25
Total/NA	Analysis	245.1 LL		1	6524	NR	EET ORL	09/20/22 12:06
Total/NA	Analysis	Coliform		1	480	DB	EET MAD	09/07/22 12:00

**Client Sample ID: FC 0**

**Lab Sample ID: 674-1394-3**

Date Collected: 09/07/22 08:30

Matrix: Water

Date Received: 09/07/22 11:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Coliform		1	480	DB	EET MAD	09/07/22 12:00

**Client Sample ID: FC 1**

**Lab Sample ID: 674-1394-4**

Date Collected: 09/07/22 08:37

Matrix: Water

Date Received: 09/07/22 11:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Coliform		1	480	DB	EET MAD	09/07/22 12:00

**Client Sample ID: FC 2**

**Lab Sample ID: 674-1394-5**

Date Collected: 09/07/22 08:53

Matrix: Water

Date Received: 09/07/22 11:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Coliform		1	480	DB	EET MAD	09/07/22 12:00

**Client Sample ID: WR 3**

**Lab Sample ID: 674-1394-6**

Date Collected: 09/07/22 08:08

Matrix: Water

Date Received: 09/07/22 11:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	245.1 LL			6341	NR	EET ORL	09/16/22 11:25
Total/NA	Analysis	245.1 LL		1	6524	NR	EET ORL	09/20/22 12:08
Total/NA	Analysis	Coliform		1	480	DB	EET MAD	09/07/22 12:00

# Lab Chronicle

Client: Lovell Engineering Associates  
 Project/Site: Lovell-LCI

Job ID: 674-1394-1

## Client Sample ID: WR 4

Lab Sample ID: 674-1394-7

Date Collected: 09/07/22 09:30

Matrix: Water

Date Received: 09/07/22 11:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.8			5969	NR	EET ORL	09/12/22 10:14
Total Recoverable	Analysis	200.8		1	6164	EV	EET ORL	09/13/22 17:34
Total/NA	Prep	245.1 LL			6341	NR	EET ORL	09/16/22 11:25
Total/NA	Analysis	245.1 LL		1	6524	NR	EET ORL	09/20/22 12:11
Total/NA	Analysis	Coliform		1	480	DB	EET MAD	09/07/22 12:00

## Client Sample ID: WR 6

Lab Sample ID: 674-1394-8

Date Collected: 09/07/22 10:30

Matrix: Water

Date Received: 09/07/22 11:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	245.1 LL			6341	NR	EET ORL	09/16/22 11:25
Total/NA	Analysis	245.1 LL		1	6524	NR	EET ORL	09/20/22 12:14

## Client Sample ID: WRT 1

Lab Sample ID: 674-1394-9

Date Collected: 09/07/22 10:47

Matrix: Water

Date Received: 09/07/22 11:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Coliform		1	480	DB	EET MAD	09/07/22 12:00

**Laboratory References:**

EET MAD = Eurofins Madison, 812 S.W. Harvey Greene Drive, Madison, FL 32340, TEL (850)973-6878

EET ORL = Eurofins Orlando, 481 Newburyport Avenue, Altamonte Springs, FL 32701, TEL (407)339-5984

# Accreditation/Certification Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1394-1

## Laboratory: Eurofins Madison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E82405	06-30-23

## Laboratory: Eurofins Orlando

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E83018	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
245.1 LL	245.1 LL	Water	Mercury



# Method Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1394-1

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	EET ORL
245.1 LL	Mercury (CVAA)	EPA	EET ORL
Coliform	Coliforms, Fecal	IDEXX	EET MAD
200.8	Preparation, Total Recoverable Metals	EPA	EET ORL
245.1 LL	Preparation, Mercury	EPA	EET ORL

**Protocol References:**

EPA = US Environmental Protection Agency

IDEXX = IDEXX Laboratories

**Laboratory References:**

EET MAD = Eurofins Madison, 812 S.W. Harvey Greene Drive, Madison, FL 32340, TEL (850)973-6878

EET ORL = Eurofins Orlando, 481 Newburyport Avenue, Altamonte Springs, FL 32701, TEL (407)339-5984





# Sample Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1394-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
674-1394-1	WR2	Water	09/07/22 07:30	09/07/22 11:29
674-1394-2	WR1	Water	09/07/22 08:15	09/07/22 11:29
674-1394-3	FC 0	Water	09/07/22 08:30	09/07/22 11:29
674-1394-4	FC 1	Water	09/07/22 08:37	09/07/22 11:29
674-1394-5	FC 2	Water	09/07/22 08:53	09/07/22 11:29
674-1394-6	WR 3	Water	09/07/22 08:08	09/07/22 11:29
674-1394-7	WR 4	Water	09/07/22 09:30	09/07/22 11:29
674-1394-8	WR 6	Water	09/07/22 10:30	09/07/22 11:29
674-1394-9	WRT 1	Water	09/07/22 10:47	09/07/22 11:29

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

**Check Box That Applies To Your Location**

- Flowers (Invental)  Flowers (Invental)  Flowers (Invental)  Flowers (Invental)  
 Labs - North Labs - South Labs - North Labs - North  
 481 Newburyport Ave. West Park Industrial Plaza 812 S.W. Harvey Greene Dr. 3980 Overseas Highway, Ste. 103  
 Altamonte Springs, FL 32701 Port St. Lucie, FL 34986 Madison, FL 32340 Marathon, FL 33050  
 Bus: 407-339-5984 Bus: 772-343-8006 Bus: 850-973-6878 Bus: 305-743-8598  
 Fax: 407-260-6110 Fax: 772-343-8089 Fax: 850-973-6878 Fax: 305-743-8598

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Client: **Lovell Engineering Associates, PC**

Address: **3998 Inner Perimeter Rd, Ste C**

Valdosta, GA 31602

Phone: **229.253.0900**

Sampled By: (PRINT)

Project Name: **LCI**

Client Contact: **Rob Rickert**

FCL Project Manager

Requested Date Date: **10 Day Standard**

Pick-Up Fee: \$

OR

Vehicle Surcharge: \$

Sampling Fee: \$

FAX: **229.253.1842**  
E-MAIL: **rob.rickert@lea-pc.com**  
Rush Charges May Apply

Sampler Signature: *Ruster Whalley* Date Sampled: **9/7/22**

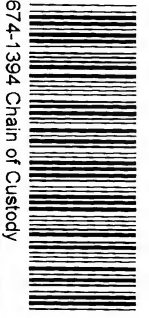
GW - ground water DW - drinking water WW - wastewater  
 SW - surface water S - soil/solid SL - sludge HW - waste

ITEM NO	SAMPLE ID	DATE	TIME	MATRIX	(LAB USE ONLY) LAB NO.	NONE	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	ANALYSES REQUEST	COMMENTS	Total # Containers
1	WR 2	9/7/22	7:36	SW	1394	1					Fecal	On ice	✓
2	WR 1	9/7/22	8:15	SW		2					LL Hg		✓
3	FC 0	9/7/22	8:30	SW		3					Pb		✓
4	FC 1	9/7/22	8:37	SW		4							✓
5	FC 2	9/7/22	8:55	SW		5							✓
6	WR 3	9/7/22	9:08	SW		6							✓
7	WR 4	9/7/22	9:30	SW		7							✓
8	WR 5			SW		8							✓
9	WR 6	9/7/22	10:30	SW		9							✓
10	WRT 1	9/7/22	10:47	SW		9							✓

Relinquished By / Affiliation: *Ruster Whalley* Date: **9/7/22** Time: **11:26**  
 Accepted By / Affiliation: *Rob Rickert* Date: **9/7/22** Time: **11:29**

**FINANCE CHARGES APPLIED TO PAST DUE INVOICES**

WHITE - Lab Copy - To Be Scanned  
 YELLOW - Client Copy  
 Rev 04-08



674-1394 Chain of Custody



**Check Box That Applies To Your Location**

- Flowers (Invental Labs - North)
- Flowers (Invental Labs - South)
- Flowers (Invental Labs - North)
- Flowers (Invental Labs - South)

481 Newburyport Ave  
Altamonte Springs, FL 32701  
Bus: 407-339-5984  
Fax: 407-260-6110

West Park Industrial Plaza  
571 N.W. Mercantile Pl., Ste. 111  
Port St. Lucie, FL 34986  
Bus: 772-343-8006  
Fax: 772-343-8089

812 S.W. Harvey Greene Dr.  
Madison, FL 32340  
Bus: 850-973-6878  
Fax: 850-973-6878

3980 Overseas Highway, Ste. 103  
Marathon, FL 33050  
Bus: 305-743-8598  
Fax: 305-743-8598

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674-1394 Chain of Custody

**Client:** Lovell Engineering Associates, PC

**Project Name:** LCI

**Address:** 3998 Inner Perimeter Rd, Ste C

**Client Contact:** Rob Rickert

**Valdosta, GA 31602**

**FOL Project Manager**

**Phone:** 229.253.0900

**Requested Due Date:** 10 Day Standard

**OR**

**FAX:** 229.253.1842

**E-MAIL:** [rob.rickert@lea-pc.com](mailto:rob.rickert@lea-pc.com)

**Sampled By:** (PRINT)

**Pick-Up Fee:** \$

**Vehicle Surcharge:** \$

**Sampling Fee:** \$

**Sampler Signature:** *Rhonda Whalley* **Date Sampled:** 9/7/22

GW - ground water DW - drinking water WW - wastewater  
SW - surface water S - soil/soil SL - sludge HW - waste

ITEM NO	SAMPLE ID	DATE	TIME	MATRIX	(LAB USE ONLY) LAB NO	NONE	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	ANALYSES REQUEST	COMMENTS
1	WR 2	9/7/22	7:36	SW	1394	1					Fecal LL Hg Pb	On ice ✓
2	WR 1	9/7/22	8:15	SW		2						✓
3	FC 0	9/7/22	8:30	SW		3						✓
4	FC 1	9/7/22	8:37	SW		4						✓
5	FC 2	9/7/22	8:55	SW		5						✓
6	WR 3	9/7/22	9:08	SW		6						✓
7	WR 4	9/7/22	9:30	SW		7						✓
8	WR 5			SW		8						✓
9	WR 6	9/7/22	10:30	SW		8						✓
10	WRT 1	9/7/22	10:47	SW		9						✓

**Requisitioned By / Affiliation:** *Rhonda Whalley* **Date:** 9/7/22 **Time:** 11:26  
**Accepted By / Affiliation:** *Rob Rickert* **Date:** 9/7/22 **Time:** 11:29  
**Requisitioned By / Affiliation:** *Rhonda Whalley* **Date:** 9/7/22 **Time:** 11:26  
**Accepted By / Affiliation:** *Rob Rickert* **Date:** 9/7/22 **Time:** 11:29

**FINANCE CHARGES APPLIED TO PAST DUE INVOICES**



# Chain of Custody Record



<b>Client Information (Sub Contract Lab)</b>		Sampler: <b>Rogers III, Judson</b>	Lab PM: <b>Judson, Rogers III</b>	Carrier Tracking No(s): <b>674-94-1</b>	COC No: <b>674-94-1</b>				
Client Contact: <b>Shipping/Receiving</b>		Phone: <b>Judson, Rogers III@et.eurofins.com</b>	E-Mail: <b>Judson, Rogers III@et.eurofins.com</b>	State of Origin: <b>Florida</b>	Page: <b>Page 1 of 1</b>				
Company: <b>Eurofins Environment Testing Southeast, NELAP - Florida</b>		Accreditations Required (See note): <b>NELAP - Florida</b>		Job #: <b>674-1394-1</b>	Page: <b>674-1394-1</b>				
Address: <b>481 Newburyport Avenue, Altamonte Springs, FL, 32701</b>		Due Date Requested: <b>9/20/2022</b>		Preservation Codes: M - Hexane N - None O - AsNaO2 P - NaZO4S Q - NaZSO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 X - EDTA Y - Trizma Z - other (specify)					
City: <b>Altamonte Springs</b>		TAT Requested (days):		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:					
Phone: <b>407-339-5984(Tel) 407-260-6110(Fax)</b>		PO #:		Total Number of Containers					
Email:		WO #:		1					
Project #: <b>67400082</b>		Project Name: <b>Lovell-LC1</b>		Special Instructions/Note:					
Site:		Site:							
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Preservation Code:	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	245.1_LL/L245.1_LL_Prep (MOD) Low Level Mercury	200.8_CWA/200.8_P_TR (MOD) Cr, Cu, Pb	Analysis Requested
WR2 (674-1394-1)	9/7/22	07:30 Eastern	Water	Water	X	X			
WR1 (674-1394-2)	9/7/22	08:15 Eastern	Water	Water	X	X			
WR 3 (674-1394-6)	9/7/22	08:08 Eastern	Water	Water	X	X			
WR 4 (674-1394-7)	9/7/22	09:30 Eastern	Water	Water	X	X			
WR 6 (674-1394-8)	9/7/22	10:30 Eastern	Water	Water	X	X			
<p>Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte &amp; accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.</p>									
<p><b>Possible Hazard Identification</b>  <input type="checkbox"/> Unconfirmed  <input type="checkbox"/> Deliverable Requested: I, II, III, IV, Other (specify) _____  <input type="checkbox"/> Empty Kit Relinquished by: _____                  Date: _____</p>									
<p><b>Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)</b>  <input type="checkbox"/> Return To Client  <input type="checkbox"/> Disposal By Lab _____                  Special Instructions/QC Requirements: _____                  Primary Deliverable Rank: 2                  Method of Shipment: _____</p>									
Relinquished by: <b>[Signature]</b>		Date: <b>9/7/22 15:55</b>		Company: <b>Eurofins</b>		Received by:		Date/Time:	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Relinquished by:		Date/Time:		Company:		Received by: <b>[Signature]</b>		Date/Time: <b>9/9 10:00</b>	
Custody Seals Intact: <b>Δ Yes Δ No</b>		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: <b>10.2</b>					



## Login Sample Receipt Checklist

Client: Lovell Engineering Associates

Job Number: 674-1394-1

**Login Number: 1394**

**List Number: 1**

**Creator: Briggs, Donna**

**List Source: Eurofins Madison**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	



## Login Sample Receipt Checklist

Client: Lovell Engineering Associates

Job Number: 674-1394-1

**Login Number: 1394**

**List Number: 2**

**Creator: Hartley, Tyler**

**List Source: Eurofins Orlando**

**List Creation: 09/09/22 11:35 AM**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



## ANALYTICAL REPORT

Eurofins Madison  
812 S.W. Harvey Greene Drive  
Madison, FL 32340  
Tel: (850)973-6878

Laboratory Job ID: 674-1432-1  
Client Project/Site: Lovell-LCI

For:  
Lovell Engineering Associates  
3998 Inner Perimeter Road  
Valdosta, Georgia 31602

Attn: Robert Rickart



Authorized for release by:  
9/21/2022 11:47:48 AM

Judson Rogers III, Project Manager  
(407)339-5984

[Judson.RogersIII@et.eurofinsus.com](mailto:Judson.RogersIII@et.eurofinsus.com)

### LINKS

Review your project  
results through



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[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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# Definitions/Glossary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1432-1

## Qualifiers

### Metals

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

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Case Narrative

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1432-1

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**Job ID: 674-1432-1**

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**Laboratory: Eurofins Madison**

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**Narrative**

**Job Narrative  
674-1432-1**

**Receipt**

The samples were received on 9/8/2022 1:50 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.0°C

**Metals**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**Biology**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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# Detection Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1432-1

## Client Sample ID: AR1

Lab Sample ID: 674-1432-1

No Detections.

## Client Sample ID: WR5

Lab Sample ID: 674-1432-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	7.8	I	10	5.0	ng/L	1		245.1 LL	Total/NA
Coliform, Fecal	144.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: WRT2

Lab Sample ID: 674-1432-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	422.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: JG2

Lab Sample ID: 674-1432-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	315.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: WR7

Lab Sample ID: 674-1432-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	5.8	I	10	5.0	ng/L	1		245.1 LL	Total/NA

## Client Sample ID: MC1

Lab Sample ID: 674-1432-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	1725.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: MC2

Lab Sample ID: 674-1432-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	644.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Madison

# Client Sample Results

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1432-1

**Client Sample ID: AR1**

**Lab Sample ID: 674-1432-1**

Date Collected: 09/08/22 08:45

Matrix: Water

Date Received: 09/08/22 13:50

**Method: 245.1 LL - Mercury (CVAA)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	5.0	U	10	5.0	ng/L		09/16/22 11:25	09/20/22 12:17	1

**Client Sample ID: WR5**

**Lab Sample ID: 674-1432-2**

Date Collected: 09/08/22 11:20

Matrix: Water

Date Received: 09/08/22 13:50

**Method: 200.8 - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.0011	U	0.0022	0.0011	mg/L		09/12/22 10:14	09/13/22 17:30	1

**Method: 245.1 LL - Mercury (CVAA)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	7.8	I	10	5.0	ng/L		09/16/22 11:25	09/20/22 12:20	1

**Method: Coliform - Coliforms, Fecal**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	144.0		10.0	10.0	MPN/100mL			09/08/22 14:20	1

**Client Sample ID: WRT2**

**Lab Sample ID: 674-1432-3**

Date Collected: 09/08/22 11:55

Matrix: Water

Date Received: 09/08/22 13:50

**Method: Coliform - Coliforms, Fecal**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	422.0		10.0	10.0	MPN/100mL			09/08/22 14:20	1

**Client Sample ID: JG2**

**Lab Sample ID: 674-1432-4**

Date Collected: 09/08/22 12:20

Matrix: Water

Date Received: 09/08/22 13:50

**Method: Coliform - Coliforms, Fecal**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	315.0		10.0	10.0	MPN/100mL			09/08/22 14:20	1

**Client Sample ID: WR7**

**Lab Sample ID: 674-1432-5**

Date Collected: 09/08/22 13:30

Matrix: Water

Date Received: 09/08/22 13:50

**Method: 245.1 LL - Mercury (CVAA)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	5.8	I	10	5.0	ng/L		09/16/22 11:25	09/20/22 12:22	1

**Client Sample ID: MC1**

**Lab Sample ID: 674-1432-6**

Date Collected: 09/08/22 13:04

Matrix: Water

Date Received: 09/08/22 13:50

**Method: Coliform - Coliforms, Fecal**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	1725.0		10.0	10.0	MPN/100mL			09/08/22 14:20	1

# Client Sample Results

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1432-1

**Client Sample ID: MC2**

**Lab Sample ID: 674-1432-7**

Date Collected: 09/08/22 12:47

Matrix: Water

Date Received: 09/08/22 13:50

**Method: Coliform - Coliforms, Fecal**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	644.0		10.0	10.0	MPN/100mL			09/08/22 14:20	1

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# QC Sample Results

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1432-1

## Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 670-5969/3-A  
Matrix: Water  
Analysis Batch: 6164

Client Sample ID: Method Blank  
Prep Type: Total Recoverable  
Prep Batch: 5969

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.0010	U	0.0020	0.0010	mg/L		09/12/22 10:14	09/13/22 15:58	1

Lab Sample ID: LCS 670-5969/1-A  
Matrix: Water  
Analysis Batch: 6164

Client Sample ID: Lab Control Sample  
Prep Type: Total Recoverable  
Prep Batch: 5969

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	0.100	0.0924		mg/L		92	85 - 115

Lab Sample ID: LCSD 670-5969/2-A  
Matrix: Water  
Analysis Batch: 6164

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total Recoverable  
Prep Batch: 5969

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead	0.100	0.0933		mg/L		93	85 - 115	1	40

## Method: 245.1 LL - Mercury (CVAA)

Lab Sample ID: MB 670-6341/11-A  
Matrix: Water  
Analysis Batch: 6524

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 6341

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	5.0	U	10	5.0	ng/L		09/16/22 11:25	09/20/22 11:52	1

Lab Sample ID: LCS 670-6341/9-A  
Matrix: Water  
Analysis Batch: 6524

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 6341

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	50.0	48.5		ng/L		97	80 - 120

Lab Sample ID: LCSD 670-6341/10-A  
Matrix: Water  
Analysis Batch: 6524

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 6341

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	50.0	51.0		ng/L		102	80 - 120	5	20

# QC Association Summary

Client: Lovell Engineering Associates  
 Project/Site: Lovell-LCI

Job ID: 674-1432-1

## Metals

### Prep Batch: 5969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
674-1432-2	WR5	Total Recoverable	Water	200.8	
MB 670-5969/3-A	Method Blank	Total Recoverable	Water	200.8	
LCS 670-5969/1-A	Lab Control Sample	Total Recoverable	Water	200.8	
LCSD 670-5969/2-A	Lab Control Sample Dup	Total Recoverable	Water	200.8	

### Analysis Batch: 6164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
674-1432-2	WR5	Total Recoverable	Water	200.8	5969
MB 670-5969/3-A	Method Blank	Total Recoverable	Water	200.8	5969
LCS 670-5969/1-A	Lab Control Sample	Total Recoverable	Water	200.8	5969
LCSD 670-5969/2-A	Lab Control Sample Dup	Total Recoverable	Water	200.8	5969

### Prep Batch: 6341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
674-1432-1	AR1	Total/NA	Water	245.1 LL	
674-1432-2	WR5	Total/NA	Water	245.1 LL	
674-1432-5	WR7	Total/NA	Water	245.1 LL	
MB 670-6341/11-A	Method Blank	Total/NA	Water	245.1 LL	
LCS 670-6341/9-A	Lab Control Sample	Total/NA	Water	245.1 LL	
LCSD 670-6341/10-A	Lab Control Sample Dup	Total/NA	Water	245.1 LL	

### Analysis Batch: 6524

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
674-1432-1	AR1	Total/NA	Water	245.1 LL	6341
674-1432-2	WR5	Total/NA	Water	245.1 LL	6341
674-1432-5	WR7	Total/NA	Water	245.1 LL	6341
MB 670-6341/11-A	Method Blank	Total/NA	Water	245.1 LL	6341
LCS 670-6341/9-A	Lab Control Sample	Total/NA	Water	245.1 LL	6341
LCSD 670-6341/10-A	Lab Control Sample Dup	Total/NA	Water	245.1 LL	6341

## Biology

### Analysis Batch: 491

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
674-1432-2	WR5	Total/NA	Water	Coliform	
674-1432-3	WRT2	Total/NA	Water	Coliform	
674-1432-4	JG2	Total/NA	Water	Coliform	
674-1432-6	MC1	Total/NA	Water	Coliform	
674-1432-7	MC2	Total/NA	Water	Coliform	

# Lab Chronicle

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1432-1

## Client Sample ID: AR1

Lab Sample ID: 674-1432-1

Date Collected: 09/08/22 08:45

Matrix: Water

Date Received: 09/08/22 13:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	245.1 LL			6341	NR	EET ORL	09/16/22 11:25
Total/NA	Analysis	245.1 LL		1	6524	NR	EET ORL	09/20/22 12:17

## Client Sample ID: WR5

Lab Sample ID: 674-1432-2

Date Collected: 09/08/22 11:20

Matrix: Water

Date Received: 09/08/22 13:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.8			5969	NR	EET ORL	09/12/22 10:14
Total Recoverable	Analysis	200.8		1	6164	EV	EET ORL	09/13/22 17:30
Total/NA	Prep	245.1 LL			6341	NR	EET ORL	09/16/22 11:25
Total/NA	Analysis	245.1 LL		1	6524	NR	EET ORL	09/20/22 12:20
Total/NA	Analysis	Coliform		1	491	DB	EET MAD	09/08/22 14:20

## Client Sample ID: WRT2

Lab Sample ID: 674-1432-3

Date Collected: 09/08/22 11:55

Matrix: Water

Date Received: 09/08/22 13:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Coliform		1	491	DB	EET MAD	09/08/22 14:20

## Client Sample ID: JG2

Lab Sample ID: 674-1432-4

Date Collected: 09/08/22 12:20

Matrix: Water

Date Received: 09/08/22 13:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Coliform		1	491	DB	EET MAD	09/08/22 14:20

## Client Sample ID: WR7

Lab Sample ID: 674-1432-5

Date Collected: 09/08/22 13:30

Matrix: Water

Date Received: 09/08/22 13:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	245.1 LL			6341	NR	EET ORL	09/16/22 11:25
Total/NA	Analysis	245.1 LL		1	6524	NR	EET ORL	09/20/22 12:22

## Client Sample ID: MC1

Lab Sample ID: 674-1432-6

Date Collected: 09/08/22 13:04

Matrix: Water

Date Received: 09/08/22 13:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Coliform		1	491	DB	EET MAD	09/08/22 14:20



# Lab Chronicle

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1432-1

**Client Sample ID: MC2**

**Lab Sample ID: 674-1432-7**

**Date Collected: 09/08/22 12:47**

**Matrix: Water**

**Date Received: 09/08/22 13:50**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Coliform		1	491	DB	EET MAD	09/08/22 14:20

**Laboratory References:**

EET MAD = Eurofins Madison, 812 S.W. Harvey Greene Drive, Madison, FL 32340, TEL (850)973-6878

EET ORL = Eurofins Orlando, 481 Newburyport Avenue, Altamonte Springs, FL 32701, TEL (407)339-5984



# Accreditation/Certification Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1432-1

## Laboratory: Eurofins Madison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E82405	06-30-23

## Laboratory: Eurofins Orlando

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E83018	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
245.1 LL	245.1 LL	Water	Mercury



# Method Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1432-1

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	EET ORL
245.1 LL	Mercury (CVAA)	EPA	EET ORL
Coliform	Coliforms, Fecal	IDEXX	EET MAD
200.8	Preparation, Total Recoverable Metals	EPA	EET ORL
245.1 LL	Preparation, Mercury	EPA	EET ORL

**Protocol References:**

EPA = US Environmental Protection Agency

IDEXX = IDEXX Laboratories

**Laboratory References:**

EET MAD = Eurofins Madison, 812 S.W. Harvey Greene Drive, Madison, FL 32340, TEL (850)973-6878

EET ORL = Eurofins Orlando, 481 Newburyport Avenue, Altamonte Springs, FL 32701, TEL (407)339-5984



# Sample Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1432-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
674-1432-1	AR1	Water	09/08/22 08:45	09/08/22 13:50
674-1432-2	WR5	Water	09/08/22 11:20	09/08/22 13:50
674-1432-3	WRT2	Water	09/08/22 11:55	09/08/22 13:50
674-1432-4	JG2	Water	09/08/22 12:20	09/08/22 13:50
674-1432-5	WR7	Water	09/08/22 13:30	09/08/22 13:50
674-1432-6	MC1	Water	09/08/22 13:04	09/08/22 13:50
674-1432-7	MC2	Water	09/08/22 12:47	09/08/22 13:50

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## Login Sample Receipt Checklist

Client: Lovell Engineering Associates

Job Number: 674-1432-1

**Login Number: 1432**

**List Number: 1**

**Creator: Briggs, Donna**

**List Source: Eurofins Madison**

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	



## Login Sample Receipt Checklist

Client: Lovell Engineering Associates

Job Number: 674-1432-1

**Login Number: 1432**

**List Number: 2**

**Creator: Hartley, Tyler**

**List Source: Eurofins Orlando**

**List Creation: 09/09/22 11:35 AM**

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



## ANALYTICAL REPORT

Eurofins Madison  
812 S.W. Harvey Greene Drive  
Madison, FL 32340  
Tel: (850)973-6878

Laboratory Job ID: 674-1476-1  
Client Project/Site: Lovell-LCI

For:  
Lovell Engineering Associates  
3998 Inner Perimeter Road  
Valdosta, Georgia 31602

Attn: Robert Rickart



Authorized for release by:  
9/16/2022 8:27:06 AM

Judson Rogers III, Project Manager  
(407)339-5984

[Judson.RogersIII@et.eurofinsus.com](mailto:Judson.RogersIII@et.eurofinsus.com)

### LINKS

Review your project  
results through



Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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## Definitions/Glossary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1476-1

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Case Narrative

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1476-1

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**Job ID: 674-1476-1**

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**Laboratory: Eurofins Madison**

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**Narrative**

**Job Narrative  
674-1476-1**

**Receipt**

The samples were received on 9/14/2022 10:58 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.0°C

**Biology**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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# Detection Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1476-1

## Client Sample ID: WR 2

Lab Sample ID: 674-1476-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	888.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: WR 1

Lab Sample ID: 674-1476-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	554.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: FC 0

Lab Sample ID: 674-1476-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	981.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: FC 1

Lab Sample ID: 674-1476-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	7701.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: FC 2

Lab Sample ID: 674-1476-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	1892.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: WR 3

Lab Sample ID: 674-1476-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	1043.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: WR 4

Lab Sample ID: 674-1476-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	1234.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: WR 5

Lab Sample ID: 674-1476-8

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	591.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Madison

# Client Sample Results

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1476-1

## Client Sample ID: WR 2

Date Collected: 09/14/22 07:35

Date Received: 09/14/22 10:58

Lab Sample ID: 674-1476-1

Matrix: Water

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	888.0		10.0	10.0	MPN/100mL			09/14/22 11:00	1

## Client Sample ID: WR 1

Date Collected: 09/14/22 07:50

Date Received: 09/14/22 10:58

Lab Sample ID: 674-1476-2

Matrix: Water

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	554.0		10.0	10.0	MPN/100mL			09/14/22 11:00	1

## Client Sample ID: FC 0

Date Collected: 09/14/22 08:07

Date Received: 09/14/22 10:58

Lab Sample ID: 674-1476-3

Matrix: Water

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	981.0		10.0	10.0	MPN/100mL			09/14/22 11:00	1

## Client Sample ID: FC 1

Date Collected: 09/14/22 08:20

Date Received: 09/14/22 10:58

Lab Sample ID: 674-1476-4

Matrix: Water

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	7701.0		10.0	10.0	MPN/100mL			09/14/22 11:00	1

## Client Sample ID: FC 2

Date Collected: 09/14/22 08:35

Date Received: 09/14/22 10:58

Lab Sample ID: 674-1476-5

Matrix: Water

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	1892.0		10.0	10.0	MPN/100mL			09/14/22 11:00	1

## Client Sample ID: WR 3

Date Collected: 09/14/22 08:50

Date Received: 09/14/22 10:58

Lab Sample ID: 674-1476-6

Matrix: Water

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	1043.0		10.0	10.0	MPN/100mL			09/14/22 11:00	1

## Client Sample ID: WR 4

Date Collected: 09/14/22 09:10

Date Received: 09/14/22 10:58

Lab Sample ID: 674-1476-7

Matrix: Water

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	1234.0		10.0	10.0	MPN/100mL			09/14/22 11:00	1

Eurofins Madison

# Client Sample Results

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1476-1

**Client Sample ID: WR 5**

**Lab Sample ID: 674-1476-8**

Date Collected: 09/14/22 09:35

Matrix: Water

Date Received: 09/14/22 10:58

**Method: Coliform - Coliforms, Fecal**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	591.0		10.0	10.0	MPN/100mL			09/14/22 11:00	1

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# QC Association Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1476-1

## Biology

### Analysis Batch: 508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
674-1476-1	WR 2	Total/NA	Water	Coliform	
674-1476-2	WR 1	Total/NA	Water	Coliform	
674-1476-3	FC 0	Total/NA	Water	Coliform	
674-1476-4	FC 1	Total/NA	Water	Coliform	
674-1476-5	FC 2	Total/NA	Water	Coliform	
674-1476-6	WR 3	Total/NA	Water	Coliform	
674-1476-7	WR 4	Total/NA	Water	Coliform	
674-1476-8	WR 5	Total/NA	Water	Coliform	



# Lab Chronicle

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1476-1

## Client Sample ID: WR 2

Date Collected: 09/14/22 07:35

Date Received: 09/14/22 10:58

Lab Sample ID: 674-1476-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Coliform		1	508	G	EET MAD	09/14/22 11:00

## Client Sample ID: WR 1

Date Collected: 09/14/22 07:50

Date Received: 09/14/22 10:58

Lab Sample ID: 674-1476-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Coliform		1	508	G	EET MAD	09/14/22 11:00

## Client Sample ID: FC 0

Date Collected: 09/14/22 08:07

Date Received: 09/14/22 10:58

Lab Sample ID: 674-1476-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Coliform		1	508	G	EET MAD	09/14/22 11:00

## Client Sample ID: FC 1

Date Collected: 09/14/22 08:20

Date Received: 09/14/22 10:58

Lab Sample ID: 674-1476-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Coliform		1	508	G	EET MAD	09/14/22 11:00

## Client Sample ID: FC 2

Date Collected: 09/14/22 08:35

Date Received: 09/14/22 10:58

Lab Sample ID: 674-1476-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Coliform		1	508	G	EET MAD	09/14/22 11:00

## Client Sample ID: WR 3

Date Collected: 09/14/22 08:50

Date Received: 09/14/22 10:58

Lab Sample ID: 674-1476-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Coliform		1	508	G	EET MAD	09/14/22 11:00

## Client Sample ID: WR 4

Date Collected: 09/14/22 09:10

Date Received: 09/14/22 10:58

Lab Sample ID: 674-1476-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Coliform		1	508	G	EET MAD	09/14/22 11:00

# Lab Chronicle

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1476-1

**Client Sample ID: WR 5**

**Lab Sample ID: 674-1476-8**

**Date Collected: 09/14/22 09:35**

**Matrix: Water**

**Date Received: 09/14/22 10:58**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Coliform		1	508	G	EET MAD	09/14/22 11:00

**Laboratory References:**

EET MAD = Eurofins Madison, 812 S.W. Harvey Greene Drive, Madison, FL 32340, TEL (850)973-6878

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# Accreditation/Certification Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1476-1

## Laboratory: Eurofins Madison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E82405	06-30-23

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# Method Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1476-1

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Method	Method Description	Protocol	Laboratory
Coliform	Coliforms, Fecal	IDEXX	EET MAD

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**Protocol References:**

IDEXX = IDEXX Laboratories

**Laboratory References:**

EET MAD = Eurofins Madison, 812 S.W. Harvey Greene Drive, Madison, FL 32340, TEL (850)973-6878

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# Sample Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1476-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
674-1476-1	WR 2	Water	09/14/22 07:35	09/14/22 10:58
674-1476-2	WR 1	Water	09/14/22 07:50	09/14/22 10:58
674-1476-3	FC 0	Water	09/14/22 08:07	09/14/22 10:58
674-1476-4	FC 1	Water	09/14/22 08:20	09/14/22 10:58
674-1476-5	FC 2	Water	09/14/22 08:35	09/14/22 10:58
674-1476-6	WR 3	Water	09/14/22 08:50	09/14/22 10:58
674-1476-7	WR 4	Water	09/14/22 09:10	09/14/22 10:58
674-1476-8	WR 5	Water	09/14/22 09:35	09/14/22 10:58

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**Check Box That Applies To Your Location**

- Flowers (hemical)**  
**Lab Rates, Inc.**  
 481 Newburyport Ave.  
 Altamonte Springs, FL 32701  
 Bus: 407-339-5984  
 Fax: 407-260-6110
- Flowers (hemical)**  
**Lab's South**  
 West Park Industrial Plaza  
 571 N.W. Mercantile Pl., Ste. 111  
 Port St. Lucie, FL 34986  
 Bus: 772-343-8006  
 Fax: 772-343-8098
- Flowers (hemical)**  
**Lab's North**  
 812 S.W. Harvey Greene Dr.  
 Madison, FL 32340  
 Bus: 850-973-6878  
 Fax: 850-973-6878
- Flowers (hemical)**  
**Lab's East**  
 3980 Overseas Highway, Ste. 103  
 Marathon, FL 33050  
 Bus: 305-743-8598  
 Fax: 305-743-8598



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Client: **Lovell Engineering Associates, PC**  
 Address: **3998 Inner Perimeter Rd, Ste C**  
 Valdosta, GA 31602  
 Phone: **229.253.0900**  
 Sampled By (PRINT): \_\_\_\_\_  
 Sampler Signature: \_\_\_\_\_  
 Date Sampled: \_\_\_\_\_

Project Name: **LCI**  
 Client Contact: **Rob Rickett**  
 FCL Project Manager  
 Requested Due Date: **10 Day Standard**  
 Pick-Up Fee: \$ \_\_\_\_\_  
 Vehicle Surcharge: \$ \_\_\_\_\_  
 Sampling Fee: \$ \_\_\_\_\_

TECH NO	SAMPLE ID	DATE	TIME	MATRIX	(LAB USE ONLY) LAB NO.	NONE	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	ANALYSES REQUEST	COMMENTS
1	WR 2	9/14/22	7:35	SW	1476-1						X	On ice
2	WR 1	9/14/22	7:50	SW							X	
3	FC 0	9/14/22	8:07	SW							X	
4	FC 1	9/14/22	8:20	SW							X	
5	FC 2	9/14/22	8:35	SW							X	
6	WR 3	9/14/22	8:50	SW							X	
7	WR 4	9/14/22	9:10	SW							X	
8	WR 5	9/14/22	9:35	SW							X	
9												
10												

Reinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
<i>Revised: Whitley</i>	9/14/22	10:26	<i>Bugs</i>	9/14/22	10:26						

**FINANCE CHARGES APPLIED TO PAST DUE INVOICES**

## Login Sample Receipt Checklist

Client: Lovell Engineering Associates

Job Number: 674-1476-1

**Login Number: 1476**

**List Number: 1**

**Creator: Briggs, Donna**

**List Source: Eurofins Madison**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	



## ANALYTICAL REPORT

Eurofins Madison  
812 S.W. Harvey Greene Drive  
Madison, FL 32340  
Tel: (850)973-6878

Laboratory Job ID: 674-1519-1  
Client Project/Site: Lovell-LCI

For:  
Lovell Engineering Associates  
3998 Inner Perimeter Road  
Valdosta, Georgia 31602

Attn: Robert Rickart



*Authorized for release by:*  
9/16/2022 10:55:21 AM

Judson Rogers III, Project Manager  
(407)339-5984

[Judson.RogersIII@et.eurofinsus.com](mailto:Judson.RogersIII@et.eurofinsus.com)

### LINKS

Review your project  
results through



Have a Question?



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[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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# Definitions/Glossary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1519-1

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count



# Case Narrative

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1519-1

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**Job ID: 674-1519-1**

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**Laboratory: Eurofins Madison**

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**Narrative**

**Job Narrative  
674-1519-1**

**Receipt**

The samples were received on 9/15/2022 1:39 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

**Biology**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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# Detection Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1519-1

## Client Sample ID: MC-1

Lab Sample ID: 674-1519-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	2700.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: MC-2

Lab Sample ID: 674-1519-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	959.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: JG-2

Lab Sample ID: 674-1519-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	520.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: WRT-1

Lab Sample ID: 674-1519-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	450.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: WRT-2

Lab Sample ID: 674-1519-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	1607.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Madison

# Client Sample Results

Client: Lovell Engineering Associates  
 Project/Site: Lovell-LCI

Job ID: 674-1519-1

**Client Sample ID: MC-1**

**Lab Sample ID: 674-1519-1**

Date Collected: 09/15/22 11:30

Matrix: Water

Date Received: 09/15/22 13:39

**Method: Coliform - Coliforms, Fecal**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	2700.0		10.0	10.0	MPN/100mL			09/15/22 14:00	1

**Client Sample ID: MC-2**

**Lab Sample ID: 674-1519-2**

Date Collected: 09/15/22 11:45

Matrix: Water

Date Received: 09/15/22 13:39

**Method: Coliform - Coliforms, Fecal**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	959.0		10.0	10.0	MPN/100mL			09/15/22 14:00	1

**Client Sample ID: JG-2**

**Lab Sample ID: 674-1519-3**

Date Collected: 09/15/22 12:10

Matrix: Water

Date Received: 09/15/22 13:39

**Method: Coliform - Coliforms, Fecal**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	520.0		10.0	10.0	MPN/100mL			09/15/22 14:00	1

**Client Sample ID: WRT-1**

**Lab Sample ID: 674-1519-4**

Date Collected: 09/15/22 12:58

Matrix: Water

Date Received: 09/15/22 13:39

**Method: Coliform - Coliforms, Fecal**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	450.0		10.0	10.0	MPN/100mL			09/15/22 14:00	1

**Client Sample ID: WRT-2**

**Lab Sample ID: 674-1519-5**

Date Collected: 09/15/22 12:45

Matrix: Water

Date Received: 09/15/22 13:39

**Method: Coliform - Coliforms, Fecal**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	1607.0		10.0	10.0	MPN/100mL			09/15/22 14:00	1

# QC Association Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1519-1

## Biology

### Analysis Batch: 519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
674-1519-1	MC-1	Total/NA	Water	Coliform	
674-1519-2	MC-2	Total/NA	Water	Coliform	
674-1519-3	JG-2	Total/NA	Water	Coliform	
674-1519-4	WRT-1	Total/NA	Water	Coliform	
674-1519-5	WRT-2	Total/NA	Water	Coliform	

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# Lab Chronicle

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1519-1

## Client Sample ID: MC-1

Date Collected: 09/15/22 11:30

Date Received: 09/15/22 13:39

Lab Sample ID: 674-1519-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Coliform		1	519	AL	EET MAD	09/15/22 14:00

## Client Sample ID: MC-2

Date Collected: 09/15/22 11:45

Date Received: 09/15/22 13:39

Lab Sample ID: 674-1519-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Coliform		1	519	AL	EET MAD	09/15/22 14:00

## Client Sample ID: JG-2

Date Collected: 09/15/22 12:10

Date Received: 09/15/22 13:39

Lab Sample ID: 674-1519-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Coliform		1	519	AL	EET MAD	09/15/22 14:00

## Client Sample ID: WRT-1

Date Collected: 09/15/22 12:58

Date Received: 09/15/22 13:39

Lab Sample ID: 674-1519-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Coliform		1	519	AL	EET MAD	09/15/22 14:00

## Client Sample ID: WRT-2

Date Collected: 09/15/22 12:45

Date Received: 09/15/22 13:39

Lab Sample ID: 674-1519-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Coliform		1	519	AL	EET MAD	09/15/22 14:00

### Laboratory References:

EET MAD = Eurofins Madison, 812 S.W. Harvey Greene Drive, Madison, FL 32340, TEL (850)973-6878

# Accreditation/Certification Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1519-1

## Laboratory: Eurofins Madison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E82405	06-30-23

- 1
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# Method Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1519-1

---

Method	Method Description	Protocol	Laboratory
Coliform	Coliforms, Fecal	IDEXX	EET MAD

---

**Protocol References:**

IDEXX = IDEXX Laboratories

**Laboratory References:**

EET MAD = Eurofins Madison, 812 S.W. Harvey Greene Drive, Madison, FL 32340, TEL (850)973-6878



# Sample Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1519-1

---

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
674-1519-1	MC-1	Water	09/15/22 11:30	09/15/22 13:39
674-1519-2	MC-2	Water	09/15/22 11:45	09/15/22 13:39
674-1519-3	JG-2	Water	09/15/22 12:10	09/15/22 13:39
674-1519-4	WRT-1	Water	09/15/22 12:58	09/15/22 13:39
674-1519-5	WRT-2	Water	09/15/22 12:45	09/15/22 13:39

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 Bus: 850-973-6878  
 Fax: 850-973-6878

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 Marathon, FL 33050  
 Bus: 305-743-8598  
 Fax: 305-743-8598



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Client: **Lovell Engineering Associates, PC**

Address: **3998 Inner Perimeter Rd, Ste C**

**Valdosta, GA 31602**

Phone: **229.253.0900**

Sampled By: (PRINT)

Sampler Signature

Date Sampled

Project Name: **LCI**

Client Contact: **Rob Rickett**

FCL Project Manager

P.O. #

FAX: **229.253.1842**

E-MAIL: **rob.rickett@lea-pc.com**

Rush Charges May Apply

Requested Due Date: **10 Day Standard**

OR

Pick-Up Fee: \$

Vehicle Surcharge: \$

Sampling Fee: \$

**PRESERVATIVES**

NONE
H <sub>2</sub> SO <sub>4</sub>
HNO <sub>3</sub>
HCl
Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>

**ANALYSES REQUEST**

**Fecal**

**COMMENTS**

**On ice**

Total # Containers

ITEM NO	SAMPLE ID	DATE	TIME	MATRIX	(LAB USE ONLY) LAB NO.	NONE	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	ANALYSES REQUEST	COMMENTS
1	MC 1	9/15/22	11:30	SW	014-B19						X	On ice ✓
2	MC 2	9/15/22	11:45	SW							X	On ice ✓
3	JG 2	9/16/22	12:10	SW							X	On ice ✓
4	WRT 1	9/15/22	12:59	SW							X	On ice ✓
5	WRT 2	9/15/22	12:45	SW							X	On ice ✓
6												
7												
8												
9												
10												

Reinquired By / Affiliation: **Hunter Whitley**

Date: **9/15/22**

Time: **11:37**

Accepted By / Affiliation: **Rob Rickett**

Date: **9/15/22**

Time: **11:35**

Reinquired By / Affiliation:

Date:

Accepted By / Affiliation:

Date:

Time:

**FINANCE CHARGES APPLIED TO PAST DUE INVOICES**

• WHITE - Lab Copy - To Be Scanned

• YELLOW - Client Copy

## Login Sample Receipt Checklist

Client: Lovell Engineering Associates

Job Number: 674-1519-1

**Login Number: 1519**  
**List Number: 1**  
**Creator: Lipscomb, Amy**

**List Source: Eurofins Madison**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	



## ANALYTICAL REPORT

Eurofins Madison  
812 S.W. Harvey Greene Drive  
Madison, FL 32340  
Tel: (850)973-6878

Laboratory Job ID: 674-1569-1  
Client Project/Site: Lovell-LCI

For:  
Lovell Engineering Associates  
3998 Inner Perimeter Road  
Valdosta, Georgia 31602

Attn: Robert Rickart



*Authorized for release by:*  
9/22/2022 2:28:58 PM

Judson Rogers III, Project Manager  
(407)339-5984  
[Judson.RogersIII@et.eurofinsus.com](mailto:Judson.RogersIII@et.eurofinsus.com)

### LINKS

Review your project  
results through



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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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## Definitions/Glossary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1569-1

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Case Narrative

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1569-1

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**Job ID: 674-1569-1**

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**Laboratory: Eurofins Madison**

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**Narrative**

**Job Narrative  
674-1569-1**

**Receipt**

The samples were received on 9/21/2022 10:20 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.0°C

**Biology**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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# Detection Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1569-1

## Client Sample ID: WR 2

Lab Sample ID: 674-1569-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	588.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: WR 1

Lab Sample ID: 674-1569-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	588.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: FC 0

Lab Sample ID: 674-1569-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	10462.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: FC 1

Lab Sample ID: 674-1569-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	1470.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: FC 2

Lab Sample ID: 674-1569-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	1497.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: WR 3

Lab Sample ID: 674-1569-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	663.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: WR 4

Lab Sample ID: 674-1569-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	705.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: WR 5

Lab Sample ID: 674-1569-8

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	141.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Madison

# Client Sample Results

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1569-1

## Client Sample ID: WR 2

Date Collected: 09/21/22 07:25

Date Received: 09/21/22 10:20

Lab Sample ID: 674-1569-1

Matrix: Water

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	588.0		10.0	10.0	MPN/100mL			09/21/22 11:00	1

## Client Sample ID: WR 1

Date Collected: 09/21/22 07:47

Date Received: 09/21/22 10:20

Lab Sample ID: 674-1569-2

Matrix: Water

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	588.0		10.0	10.0	MPN/100mL			09/21/22 11:00	1

## Client Sample ID: FC 0

Date Collected: 09/21/22 08:05

Date Received: 09/21/22 10:20

Lab Sample ID: 674-1569-3

Matrix: Water

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	10462.0		10.0	10.0	MPN/100mL			09/21/22 11:00	1

## Client Sample ID: FC 1

Date Collected: 09/21/22 08:17

Date Received: 09/21/22 10:20

Lab Sample ID: 674-1569-4

Matrix: Water

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	1470.0		10.0	10.0	MPN/100mL			09/21/22 11:00	1

## Client Sample ID: FC 2

Date Collected: 09/21/22 08:32

Date Received: 09/21/22 10:20

Lab Sample ID: 674-1569-5

Matrix: Water

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	1497.0		10.0	10.0	MPN/100mL			09/21/22 11:00	1

## Client Sample ID: WR 3

Date Collected: 09/21/22 08:47

Date Received: 09/21/22 10:20

Lab Sample ID: 674-1569-6

Matrix: Water

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	663.0		10.0	10.0	MPN/100mL			09/21/22 11:00	1

## Client Sample ID: WR 4

Date Collected: 09/21/22 08:05

Date Received: 09/21/22 10:20

Lab Sample ID: 674-1569-7

Matrix: Water

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	705.0		10.0	10.0	MPN/100mL			09/21/22 11:00	1

Eurofins Madison



# Client Sample Results

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1569-1

**Client Sample ID: WR 5**

**Lab Sample ID: 674-1569-8**

Date Collected: 09/21/22 09:28

Matrix: Water

Date Received: 09/21/22 10:20

**Method: Coliform - Coliforms, Fecal**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	141.0		10.0	10.0	MPN/100mL			09/21/22 11:00	1

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# QC Association Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1569-1

## Biology

### Analysis Batch: 541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
674-1569-1	WR 2	Total/NA	Water	Coliform	
674-1569-2	WR 1	Total/NA	Water	Coliform	
674-1569-3	FC 0	Total/NA	Water	Coliform	
674-1569-4	FC 1	Total/NA	Water	Coliform	
674-1569-5	FC 2	Total/NA	Water	Coliform	
674-1569-6	WR 3	Total/NA	Water	Coliform	
674-1569-7	WR 4	Total/NA	Water	Coliform	
674-1569-8	WR 5	Total/NA	Water	Coliform	



# Lab Chronicle

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1569-1

## Client Sample ID: WR 2

Date Collected: 09/21/22 07:25

Date Received: 09/21/22 10:20

Lab Sample ID: 674-1569-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Coliform		1	541	DB	EET MAD	09/21/22 11:00

## Client Sample ID: WR 1

Date Collected: 09/21/22 07:47

Date Received: 09/21/22 10:20

Lab Sample ID: 674-1569-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Coliform		1	541	DB	EET MAD	09/21/22 11:00

## Client Sample ID: FC 0

Date Collected: 09/21/22 08:05

Date Received: 09/21/22 10:20

Lab Sample ID: 674-1569-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Coliform		1	541	DB	EET MAD	09/21/22 11:00

## Client Sample ID: FC 1

Date Collected: 09/21/22 08:17

Date Received: 09/21/22 10:20

Lab Sample ID: 674-1569-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Coliform		1	541	DB	EET MAD	09/21/22 11:00

## Client Sample ID: FC 2

Date Collected: 09/21/22 08:32

Date Received: 09/21/22 10:20

Lab Sample ID: 674-1569-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Coliform		1	541	DB	EET MAD	09/21/22 11:00

## Client Sample ID: WR 3

Date Collected: 09/21/22 08:47

Date Received: 09/21/22 10:20

Lab Sample ID: 674-1569-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Coliform		1	541	DB	EET MAD	09/21/22 11:00

## Client Sample ID: WR 4

Date Collected: 09/21/22 08:05

Date Received: 09/21/22 10:20

Lab Sample ID: 674-1569-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Coliform		1	541	DB	EET MAD	09/21/22 11:00

# Lab Chronicle

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1569-1

**Client Sample ID: WR 5**

**Lab Sample ID: 674-1569-8**

**Date Collected: 09/21/22 09:28**

**Matrix: Water**

**Date Received: 09/21/22 10:20**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Coliform		1	541	DB	EET MAD	09/21/22 11:00

**Laboratory References:**

EET MAD = Eurofins Madison, 812 S.W. Harvey Greene Drive, Madison, FL 32340, TEL (850)973-6878

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# Accreditation/Certification Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1569-1

## Laboratory: Eurofins Madison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E82405	06-30-23

- 1
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# Method Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1569-1

---

Method	Method Description	Protocol	Laboratory
Coliform	Coliforms, Fecal	IDEXX	EET MAD

---

**Protocol References:**

IDEXX = IDEXX Laboratories

**Laboratory References:**

EET MAD = Eurofins Madison, 812 S.W. Harvey Greene Drive, Madison, FL 32340, TEL (850)973-6878

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# Sample Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1569-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
674-1569-1	WR 2	Water	09/21/22 07:25	09/21/22 10:20
674-1569-2	WR 1	Water	09/21/22 07:47	09/21/22 10:20
674-1569-3	FC 0	Water	09/21/22 08:05	09/21/22 10:20
674-1569-4	FC 1	Water	09/21/22 08:17	09/21/22 10:20
674-1569-5	FC 2	Water	09/21/22 08:32	09/21/22 10:20
674-1569-6	WR 3	Water	09/21/22 08:47	09/21/22 10:20
674-1569-7	WR 4	Water	09/21/22 08:05	09/21/22 10:20
674-1569-8	WR 5	Water	09/21/22 09:28	09/21/22 10:20

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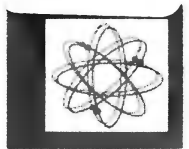
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- Flowers (hemical) Labs - North
- Flowers (hemical) Labs - South

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Port St. Lucie, FL 34986  
Bus: 772-343-8006  
Fax: 772-343-8089

812 S.W. Harvey Greene Dr.  
Madison, FL 32340  
Bus: 850-973-6878  
Fax: 850-973-6878

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Client: **Lovell Engineering Associates, PC**

Address: **3998 Inner Perimeter Rd, Ste C**

Valdosta, GA 31602

Phone: **229.253.0900**

Sampled By: (PRINT)

Project Name: **LCI**

Client Contact: **Rob Rickett**

FCL Project Manager

P.O. #

FAX: **229.253.1842**

E-MAIL: **rob.rickett@lea-pc.com**

Rush Charges May Apply

Sampler Signature

Date Sampled

GW - ground water DW - drinking water WW - wastewater  
SW - surface water S - soil/solid SL - sludge HW - waste

ITEM NO	SAMPLE ID	DATE	TIME	MATRIX	(LAB USE ONLY) LAB NO.	NONE	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	ANALYSES REQUEST	COMMENTS
1	WR 2	9/21/22	7:25	SW	1569.1						X	On ice
2	WR 1	9/21/22	7:47	SW							X	
3	FC 0	9/21/22	8:05	SW							X	
4	FC 1	9/21/22	8:17	SW							X	
5	FC 2	9/21/22	8:22	SW							X	
6	WR 3	9/21/22	8:47	SW							X	
7	WR 4	9/21/22	8:05	SW							X	
8	WR 5	9/21/22	9:28	SW							X	
9												
10												

Relinquished By / Affiliation: *Runter Moley* Date: 9/21/22 Time: 10:20

Accepted By / Affiliation: *Runter Moley* Date: 9/22/22 Time: 10:20

**FINANCE CHARGES APPLIED TO PAST DUE INVOICES**



## Login Sample Receipt Checklist

Client: Lovell Engineering Associates

Job Number: 674-1569-1

**Login Number: 1569**

**List Source: Eurofins Madison**

**List Number: 1**

**Creator: Briggs, Donna**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	



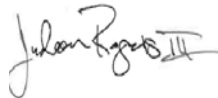
## ANALYTICAL REPORT

Eurofins Madison  
812 S.W. Harvey Greene Drive  
Madison, FL 32340  
Tel: (850)973-6878

Laboratory Job ID: 674-1603-1  
Client Project/Site: Lovell-LCI

For:  
Lovell Engineering Associates  
3998 Inner Perimeter Road  
Valdosta, Georgia 31602

Attn: Robert Rickart



*Authorized for release by:*  
9/23/2022 2:12:03 PM

Judson Rogers III, Project Manager  
(407)339-5984  
[Judson.RogersIII@et.eurofinsus.com](mailto:Judson.RogersIII@et.eurofinsus.com)

### LINKS

Review your project  
results through



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[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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## Definitions/Glossary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1603-1

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Case Narrative

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1603-1

---

**Job ID: 674-1603-1**

---

**Laboratory: Eurofins Madison**

---

**Narrative**

**Job Narrative  
674-1603-1**

**Receipt**

The samples were received on 9/22/2022 1:23 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

**Biology**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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# Detection Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1603-1

## Client Sample ID: MC-1

Lab Sample ID: 674-1603-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	1401.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: MC-2

Lab Sample ID: 674-1603-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	359.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: JG-2

Lab Sample ID: 674-1603-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	842.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: WRT-1

Lab Sample ID: 674-1603-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	911.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: WRT-2

Lab Sample ID: 674-1603-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	1439.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Madison

# Client Sample Results

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1603-1

**Client Sample ID: MC-1**

**Lab Sample ID: 674-1603-1**

Date Collected: 09/22/22 11:03

Matrix: Water

Date Received: 09/22/22 13:23

**Method: Coliform - Coliforms, Fecal**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	1401.0		10.0	10.0	MPN/100mL			09/22/22 14:00	1

**Client Sample ID: MC-2**

**Lab Sample ID: 674-1603-2**

Date Collected: 09/22/22 11:21

Matrix: Water

Date Received: 09/22/22 13:23

**Method: Coliform - Coliforms, Fecal**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	359.0		10.0	10.0	MPN/100mL			09/22/22 14:00	1

**Client Sample ID: JG-2**

**Lab Sample ID: 674-1603-3**

Date Collected: 09/22/22 11:57

Matrix: Water

Date Received: 09/22/22 13:23

**Method: Coliform - Coliforms, Fecal**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	842.0		10.0	10.0	MPN/100mL			09/22/22 14:00	1

**Client Sample ID: WRT-1**

**Lab Sample ID: 674-1603-4**

Date Collected: 09/22/22 12:45

Matrix: Water

Date Received: 09/22/22 13:23

**Method: Coliform - Coliforms, Fecal**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	911.0		10.0	10.0	MPN/100mL			09/22/22 14:00	1

**Client Sample ID: WRT-2**

**Lab Sample ID: 674-1603-5**

Date Collected: 09/22/22 12:30

Matrix: Water

Date Received: 09/22/22 13:23

**Method: Coliform - Coliforms, Fecal**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	1439.0		10.0	10.0	MPN/100mL			09/22/22 14:00	1

# QC Association Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1603-1

## Biology

### Analysis Batch: 552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
674-1603-1	MC-1	Total/NA	Water	Coliform	
674-1603-2	MC-2	Total/NA	Water	Coliform	
674-1603-3	JG-2	Total/NA	Water	Coliform	
674-1603-4	WRT-1	Total/NA	Water	Coliform	
674-1603-5	WRT-2	Total/NA	Water	Coliform	

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# Lab Chronicle

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1603-1

## Client Sample ID: MC-1

Date Collected: 09/22/22 11:03

Date Received: 09/22/22 13:23

Lab Sample ID: 674-1603-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Coliform		1	552	AL	EET MAD	09/22/22 14:00

## Client Sample ID: MC-2

Date Collected: 09/22/22 11:21

Date Received: 09/22/22 13:23

Lab Sample ID: 674-1603-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Coliform		1	552	AL	EET MAD	09/22/22 14:00

## Client Sample ID: JG-2

Date Collected: 09/22/22 11:57

Date Received: 09/22/22 13:23

Lab Sample ID: 674-1603-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Coliform		1	552	AL	EET MAD	09/22/22 14:00

## Client Sample ID: WRT-1

Date Collected: 09/22/22 12:45

Date Received: 09/22/22 13:23

Lab Sample ID: 674-1603-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Coliform		1	552	AL	EET MAD	09/22/22 14:00

## Client Sample ID: WRT-2

Date Collected: 09/22/22 12:30

Date Received: 09/22/22 13:23

Lab Sample ID: 674-1603-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Coliform		1	552	AL	EET MAD	09/22/22 14:00

### Laboratory References:

EET MAD = Eurofins Madison, 812 S.W. Harvey Greene Drive, Madison, FL 32340, TEL (850)973-6878

# Accreditation/Certification Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1603-1

## Laboratory: Eurofins Madison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E82405	06-30-23

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# Method Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1603-1

---

Method	Method Description	Protocol	Laboratory
Coliform	Coliforms, Fecal	IDEXX	EET MAD

---

**Protocol References:**

IDEXX = IDEXX Laboratories

**Laboratory References:**

EET MAD = Eurofins Madison, 812 S.W. Harvey Greene Drive, Madison, FL 32340, TEL (850)973-6878

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# Sample Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1603-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
674-1603-1	MC-1	Water	09/22/22 11:03	09/22/22 13:23
674-1603-2	MC-2	Water	09/22/22 11:21	09/22/22 13:23
674-1603-3	JG-2	Water	09/22/22 11:57	09/22/22 13:23
674-1603-4	WRT-1	Water	09/22/22 12:45	09/22/22 13:23
674-1603-5	WRT-2	Water	09/22/22 12:30	09/22/22 13:23

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**Check Box That Applies To Your Location**

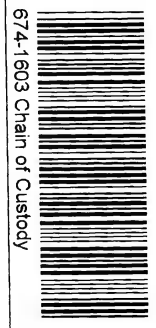
- Flowers Chemical Labs - North
- Flowers Chemical Labs - South
- Flowers Chemical Labs - North
- Flowers Chemical Labs - Keys

481 Newburyport Ave.  
Altamonte Springs, FL 32701  
Bus: 407-339-5984  
Fax: 407-260-6110

West Park Industrial Plaza  
571 N.W. Mercantile Pl., Ste. 111  
Port St. Lucie, FL 34986  
Bus: 772-343-8006  
Fax: 772-343-8099

812 S.W. Harvey Greene Dr.  
Madison, FL 32340  
Bus: 850-973-6878  
Fax: 850-973-6878

3980 Overseas Highway, Ste. 103  
Marathon, FL 33050  
Bus: 305-743-8598  
Fax: 305-743-8598



674-1603 Chain of Custody

**DOWNLOAD REPORTS, INVOICES AND CHAINS OF CUSTODY [www.flowerslabs.com](http://www.flowerslabs.com)**

Client: **Lovell Engineering Associates, PC**  
Address: **3998 Inner Perimeter Rd, Ste C**

Project Name: **LCI**  
Client Contact: **Rob Rickett**  
FCL Project Manager

P.O. #  
FAX: **229.253.1842**  
E-MAIL: **rob.rickett@lea-pc.com**

Valdosta, GA 31602

Phone: **229.253.0900**

Sampled By (PRINT)

Requested Due Date: **10 Day Standard** OR    
Pick-Up Fee: \$  Vehicle Surcharge: \$   
Preservatives:  ANALYSES REQUEST:

Sampling Fee: \$  Rush Charges May Apply

Sample Signature

Date Sampled

PRESERVATIVES

ANALYSES REQUEST

COMMENTS

GW - ground water DW - drinking water WW - wastewater  
SW - surface water S - soil/solid SL - sludge HW - waste

ITEM NO.	SAMPLE ID	DATE	TIME	MATRIX	(LAB USE ONLY) LAB NO.	NONE	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Fecal	On ice	COMMENTS
1	<del>MC 0</del>	<del>9/28/22</del>	<del>11:03</del>	<del>SW</del>	<del>NW</del>	<del>X</del>					<del>X</del>	<del>✓</del>	<del>On ice</del>
2	MC 1	9/28/22	11:03	SW	074-1603	X					X	✓	over
3	MC 2	9/22/22	01:21	SW		X					X	✓	
4	JG 2	9/22/22	11:57	SW		X					X	✓	
5	WRT 1	9/22/22	12:45	SW		X					X	✓	
6	WRT 2	9/22/22	12:30	SW		X					X	✓	
7													
8													
9													
10													

Reinquired By / Affiliation: *Carrie Wadde*

Date: *9/22/22*

Time: *1:23*

Accepted By / Affiliation: *Rob Rickett*

Date: *9/22/22*

Time: *1:23*

Reinquired By / Affiliation: *Rob Rickett*

Date: *9/22/22*

Time: *1:23*

Accepted By / Affiliation: *Rob Rickett*

Date: *9/22/22*

Time: *1:23*

**FINANCE CHARGES APPLIED TO PAST DUE INVOICES**

• WHITE - Lab Copy - To Be Scanned

• YELLOW - Client Copy

## Login Sample Receipt Checklist

Client: Lovell Engineering Associates

Job Number: 674-1603-1

**Login Number: 1603**

**List Number: 1**

**Creator: Lipscomb, Amy**

**List Source: Eurofins Madison**

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

## ANALYTICAL REPORT

Eurofins Madison  
812 S.W. Harvey Greene Drive  
Madison, FL 32340  
Tel: (850)973-6878

Laboratory Job ID: 674-1614-1  
Client Project/Site: Lovell-LCI

For:  
Lovell Engineering Associates  
3998 Inner Perimeter Road  
Valdosta, Georgia 31602

Attn: Robert Rickart



Authorized for release by:  
9/27/2022 11:27:18 AM

Judson Rogers III, Project Manager  
(407)339-5984

[Judson.RogersIII@et.eurofinsus.com](mailto:Judson.RogersIII@et.eurofinsus.com)

### LINKS

Review your project  
results through



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[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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## Definitions/Glossary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1614-1

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Case Narrative

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1614-1

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**Job ID: 674-1614-1**

---

**Laboratory: Eurofins Madison**

---

**Narrative**

**Job Narrative  
674-1614-1**

**Receipt**

The samples were received on 9/26/2022 10:18 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.0°C

**Biology**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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# Detection Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1614-1

## Client Sample ID: MC 1

Lab Sample ID: 674-1614-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	496.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: MC 2

Lab Sample ID: 674-1614-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	670.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: JG 2

Lab Sample ID: 674-1614-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	422.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: WRT 1

Lab Sample ID: 674-1614-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	1076.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: WRT 2

Lab Sample ID: 674-1614-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	226.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Madison

# Client Sample Results

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1614-1

## Client Sample ID: MC 1

Date Collected: 09/26/22 07:40

Date Received: 09/26/22 10:18

Lab Sample ID: 674-1614-1

Matrix: Water

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	496.0		10.0	10.0	MPN/100mL			09/26/22 11:50	1

## Client Sample ID: MC 2

Date Collected: 09/26/22 07:55

Date Received: 09/26/22 10:18

Lab Sample ID: 674-1614-2

Matrix: Water

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	670.0		10.0	10.0	MPN/100mL			09/26/22 11:50	1

## Client Sample ID: JG 2

Date Collected: 09/26/22 08:25

Date Received: 09/26/22 10:18

Lab Sample ID: 674-1614-3

Matrix: Water

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	422.0		10.0	10.0	MPN/100mL			09/26/22 11:50	1

## Client Sample ID: WRT 1

Date Collected: 09/26/22 09:00

Date Received: 09/26/22 10:18

Lab Sample ID: 674-1614-4

Matrix: Water

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	1076.0		10.0	10.0	MPN/100mL			09/26/22 11:50	1

## Client Sample ID: WRT 2

Date Collected: 09/26/22 08:45

Date Received: 09/26/22 10:18

Lab Sample ID: 674-1614-5

Matrix: Water

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	226.0		10.0	10.0	MPN/100mL			09/26/22 11:50	1

# QC Association Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1614-1

## Biology

### Analysis Batch: 556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
674-1614-1	MC 1	Total/NA	Water	Coliform	
674-1614-2	MC 2	Total/NA	Water	Coliform	
674-1614-3	JG 2	Total/NA	Water	Coliform	
674-1614-4	WRT 1	Total/NA	Water	Coliform	
674-1614-5	WRT 2	Total/NA	Water	Coliform	

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# Lab Chronicle

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1614-1

## Client Sample ID: MC 1

Date Collected: 09/26/22 07:40

Date Received: 09/26/22 10:18

Lab Sample ID: 674-1614-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Coliform		1	556	DB	EET MAD	09/26/22 11:50

## Client Sample ID: MC 2

Date Collected: 09/26/22 07:55

Date Received: 09/26/22 10:18

Lab Sample ID: 674-1614-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Coliform		1	556	DB	EET MAD	09/26/22 11:50

## Client Sample ID: JG 2

Date Collected: 09/26/22 08:25

Date Received: 09/26/22 10:18

Lab Sample ID: 674-1614-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Coliform		1	556	DB	EET MAD	09/26/22 11:50

## Client Sample ID: WRT 1

Date Collected: 09/26/22 09:00

Date Received: 09/26/22 10:18

Lab Sample ID: 674-1614-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Coliform		1	556	DB	EET MAD	09/26/22 11:50

## Client Sample ID: WRT 2

Date Collected: 09/26/22 08:45

Date Received: 09/26/22 10:18

Lab Sample ID: 674-1614-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Coliform		1	556	DB	EET MAD	09/26/22 11:50

### Laboratory References:

EET MAD = Eurofins Madison, 812 S.W. Harvey Greene Drive, Madison, FL 32340, TEL (850)973-6878

# Accreditation/Certification Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1614-1

## Laboratory: Eurofins Madison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E82405	06-30-23

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# Method Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1614-1

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Method	Method Description	Protocol	Laboratory
Coliform	Coliforms, Fecal	IDEXX	EET MAD

---

**Protocol References:**

IDEXX = IDEXX Laboratories

**Laboratory References:**

EET MAD = Eurofins Madison, 812 S.W. Harvey Greene Drive, Madison, FL 32340, TEL (850)973-6878

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# Sample Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1614-1

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
674-1614-1	MC 1	Water	09/26/22 07:40	09/26/22 10:18
674-1614-2	MC 2	Water	09/26/22 07:55	09/26/22 10:18
674-1614-3	JG 2	Water	09/26/22 08:25	09/26/22 10:18
674-1614-4	WRT 1	Water	09/26/22 09:00	09/26/22 10:18
674-1614-5	WRT 2	Water	09/26/22 08:45	09/26/22 10:18

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**Check Box That Applies To Your Location**

Flowers Chemical  
 Adm Lab Rev., Inc.  
 481 Newburyport Ave.  
 Altamonte Springs, FL 32701  
 Bus: 407-339-5984  
 Fax: 407-260-6110

Flowers Chemical  
 Labs South  
 West Park Industrial Plaza  
 571 N.W. Mercantile Pl., Ste. 111  
 Port St. Lucie, FL 34986  
 Bus: 772-343-8006  
 Fax: 772-343-8089

Flowers Chemical  
 Labs North  
 812 S.W. Harvey Greene Dr.  
 Madison, FL 32340  
 Bus: 850-973-6878  
 Fax: 850-973-6878

Flowers Chemical  
 Labs Keys  
 3980 Overseas Highway, Ste. 1  
 Marathon, FL 33050  
 Bus: 305-743-8598  
 Fax: 305-743-8598



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**Client**  
**Address**  
**3998 Inner Perimeter Rd, Ste C**  
**Valdosta, GA 31602**

**Project Name**  
**LCI**

**Client Contact**  
**Rob Rickett**  
 FCL Project Manager

**P.O. #**  
**FAX**  
**229.253.1842**

**E-MAIL**  
**rob.rickett@lea-pc.com**  
 Rush Charges May Apply

**Report**  
**229.253.0900**

**Requested Due Date**  
 10 Day Standard OR  
**Pick-Up Fee** \$  
**Vehicle Surcharge** \$

**Sampling Fee** \$

**Sampler Signature** \_\_\_\_\_ **Date Sampled** \_\_\_\_\_

GW - ground water DW - drinking water WW - wastewater  
 SW - surface water S - soil/solid SL - sludge HW - waste

LAB ID	SAMPLE ID	DATE	TIME	MATRIX	(LAB USE ONLY) LAB NO.	NONE	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	Na <sub>2</sub> S <sub>2</sub> O <sub>8</sub>	ANALYSES REQUEST	COMMENTS	Total # Containers
1	MC0	9/26/22	7:40	SW	104-1						X	Fecal	On ice
2	MC 1	9/26/22	7:55	SW	2						X		
3	MC 2	9/26/22	8:25	SW	3						X		
4	JG 2	9/26/22	8:00	SW	4						X		
5	WRT 1	9/26/22	8:45	SW	5						X		
6	WRT 2	9/26/22	8:45	SW							X		
7													
8													
9													
10													

**Requisitioned By / Affiliation**  
 Hunter Nolley

**Date**  
 9/26/22

**Time**  
 10:18

**Accepted By / Affiliation**  
 Ben Nolley

**Date**  
 9/26/22

**Time**  
 10:18

**FINANCE CHARGES APPLIED TO PAST DUE INVOICES**

\* WHITE - Lab Copy - To Be Scanned

\* YELLOW - Client Copy

## Login Sample Receipt Checklist

Client: Lovell Engineering Associates

Job Number: 674-1614-1

**Login Number: 1614**

**List Number: 1**

**Creator: Briggs, Donna**

**List Source: Eurofins Madison**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	



## ANALYTICAL REPORT

Eurofins Madison  
812 S.W. Harvey Greene Drive  
Madison, FL 32340  
Tel: (850)973-6878

Laboratory Job ID: 674-1660-1  
Client Project/Site: Lovell-LCI

For:  
Lovell Engineering Associates  
3998 Inner Perimeter Road  
Valdosta, Georgia 31602

Attn: Robert Rickart



Authorized for release by:  
9/30/2022 6:46:30 AM

Judson Rogers III, Project Manager  
(407)339-5984

[Judson.RogersIII@et.eurofinsus.com](mailto:Judson.RogersIII@et.eurofinsus.com)

### LINKS

Review your project  
results through



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[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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## Definitions/Glossary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1660-1

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Case Narrative

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1660-1

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**Job ID: 674-1660-1**

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**Laboratory: Eurofins Madison**

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**Narrative**

**Job Narrative  
674-1660-1**

**Receipt**

The samples were received on 9/28/2022 10:24 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.0°C

**Biology**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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# Detection Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1660-1

## Client Sample ID: WR 2

Lab Sample ID: 674-1660-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	173.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: WR 1

Lab Sample ID: 674-1660-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	109.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: FC O

Lab Sample ID: 674-1660-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	780.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: FC 1

Lab Sample ID: 674-1660-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	839.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: FC 2

Lab Sample ID: 674-1660-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	250.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: WR 3

Lab Sample ID: 674-1660-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	177.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: WR 4

Lab Sample ID: 674-1660-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	909.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

## Client Sample ID: WR 5

Lab Sample ID: 674-1660-8

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Coliform, Fecal	84.0		10.0	10.0	MPN/100mL	1		Coliform	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Madison



# Client Sample Results

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1660-1

## Client Sample ID: WR 2

Date Collected: 09/28/22 07:27

Date Received: 09/28/22 10:24

Lab Sample ID: 674-1660-1

Matrix: Water

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	173.0		10.0	10.0	MPN/100mL			09/28/22 11:40	1

## Client Sample ID: WR 1

Date Collected: 09/28/22 07:50

Date Received: 09/28/22 10:24

Lab Sample ID: 674-1660-2

Matrix: Water

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	109.0		10.0	10.0	MPN/100mL			09/28/22 11:40	1

## Client Sample ID: FC O

Date Collected: 09/28/22 08:06

Date Received: 09/28/22 10:24

Lab Sample ID: 674-1660-3

Matrix: Water

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	780.0		10.0	10.0	MPN/100mL			09/28/22 11:40	1

## Client Sample ID: FC 1

Date Collected: 09/28/22 08:20

Date Received: 09/28/22 10:24

Lab Sample ID: 674-1660-4

Matrix: Water

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	839.0		10.0	10.0	MPN/100mL			09/28/22 11:40	1

## Client Sample ID: FC 2

Date Collected: 09/28/22 08:35

Date Received: 09/28/22 10:24

Lab Sample ID: 674-1660-5

Matrix: Water

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	250.0		10.0	10.0	MPN/100mL			09/28/22 11:40	1

## Client Sample ID: WR 3

Date Collected: 09/28/22 08:50

Date Received: 09/28/22 10:24

Lab Sample ID: 674-1660-6

Matrix: Water

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	177.0		10.0	10.0	MPN/100mL			09/28/22 11:40	1

## Client Sample ID: WR 4

Date Collected: 09/28/22 09:07

Date Received: 09/28/22 10:24

Lab Sample ID: 674-1660-7

Matrix: Water

### Method: Coliform - Coliforms, Fecal

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	909.0		10.0	10.0	MPN/100mL			09/28/22 11:40	1

Eurofins Madison

# Client Sample Results

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1660-1

**Client Sample ID: WR 5**

**Lab Sample ID: 674-1660-8**

Date Collected: 09/28/22 08:32

Matrix: Water

Date Received: 09/28/22 10:24

**Method: Coliform - Coliforms, Fecal**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	84.0		10.0	10.0	MPN/100mL			09/28/22 11:40	1

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# QC Association Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1660-1

## Biology

### Analysis Batch: 573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
674-1660-1	WR 2	Total/NA	Water	Coliform	
674-1660-2	WR 1	Total/NA	Water	Coliform	
674-1660-3	FC O	Total/NA	Water	Coliform	
674-1660-4	FC 1	Total/NA	Water	Coliform	
674-1660-5	FC 2	Total/NA	Water	Coliform	
674-1660-6	WR 3	Total/NA	Water	Coliform	
674-1660-7	WR 4	Total/NA	Water	Coliform	
674-1660-8	WR 5	Total/NA	Water	Coliform	

# Lab Chronicle

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1660-1

## Client Sample ID: WR 2

Date Collected: 09/28/22 07:27

Date Received: 09/28/22 10:24

Lab Sample ID: 674-1660-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Coliform		1	573	DB	EET MAD	09/28/22 11:40

## Client Sample ID: WR 1

Date Collected: 09/28/22 07:50

Date Received: 09/28/22 10:24

Lab Sample ID: 674-1660-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Coliform		1	573	DB	EET MAD	09/28/22 11:40

## Client Sample ID: FC O

Date Collected: 09/28/22 08:06

Date Received: 09/28/22 10:24

Lab Sample ID: 674-1660-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Coliform		1	573	DB	EET MAD	09/28/22 11:40

## Client Sample ID: FC 1

Date Collected: 09/28/22 08:20

Date Received: 09/28/22 10:24

Lab Sample ID: 674-1660-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Coliform		1	573	DB	EET MAD	09/28/22 11:40

## Client Sample ID: FC 2

Date Collected: 09/28/22 08:35

Date Received: 09/28/22 10:24

Lab Sample ID: 674-1660-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Coliform		1	573	DB	EET MAD	09/28/22 11:40

## Client Sample ID: WR 3

Date Collected: 09/28/22 08:50

Date Received: 09/28/22 10:24

Lab Sample ID: 674-1660-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Coliform		1	573	DB	EET MAD	09/28/22 11:40

## Client Sample ID: WR 4

Date Collected: 09/28/22 09:07

Date Received: 09/28/22 10:24

Lab Sample ID: 674-1660-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Coliform		1	573	DB	EET MAD	09/28/22 11:40

# Lab Chronicle

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1660-1

**Client Sample ID: WR 5**

**Lab Sample ID: 674-1660-8**

**Date Collected: 09/28/22 08:32**

**Matrix: Water**

**Date Received: 09/28/22 10:24**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Coliform		1	573	DB	EET MAD	09/28/22 11:40

**Laboratory References:**

EET MAD = Eurofins Madison, 812 S.W. Harvey Greene Drive, Madison, FL 32340, TEL (850)973-6878

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# Accreditation/Certification Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1660-1

## Laboratory: Eurofins Madison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E82405	06-30-23

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# Method Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1660-1

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Method	Method Description	Protocol	Laboratory
Coliform	Coliforms, Fecal	IDEXX	EET MAD

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**Protocol References:**

IDEXX = IDEXX Laboratories

**Laboratory References:**

EET MAD = Eurofins Madison, 812 S.W. Harvey Greene Drive, Madison, FL 32340, TEL (850)973-6878

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# Sample Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-1660-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
674-1660-1	WR 2	Water	09/28/22 07:27	09/28/22 10:24
674-1660-2	WR 1	Water	09/28/22 07:50	09/28/22 10:24
674-1660-3	FC O	Water	09/28/22 08:06	09/28/22 10:24
674-1660-4	FC 1	Water	09/28/22 08:20	09/28/22 10:24
674-1660-5	FC 2	Water	09/28/22 08:35	09/28/22 10:24
674-1660-6	WR 3	Water	09/28/22 08:50	09/28/22 10:24
674-1660-7	WR 4	Water	09/28/22 09:07	09/28/22 10:24
674-1660-8	WR 5	Water	09/28/22 08:32	09/28/22 10:24

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 Fax: 772-343-8089

812 S.W. Harvey Greene Dr.  
 Madison, FL 32340  
 Bus: 850-973-6878  
 Fax: 850-973-6878

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Client: **Lovell Engineering Associates, PC** Project Name: **LCI** P.O. #

Address: **3998 Inner Perimeter Rd, Ste C** Client Contact: **Rob Rickert** FAX: **229.253.1842**

Valdosta, GA 31602 FOL Project Manager: **rob.rickert@lea-pc.com** E-MAIL: **rob.rickert@lea-pc.com**

Phone: **229.253.0900** Requested Due Date: **10 Day Standard** OR  Vehicle Surcharge \$

Sampled By (PRINT): **\_\_\_\_\_** Pick-Up Fee \$  Sampling Fee \$  Rush Charges May Apply

Sampler Signature: **\_\_\_\_\_** Date Sampled: **\_\_\_\_\_** PRESERVATIVES: NONE, H<sub>2</sub>SO<sub>4</sub>, HNO<sub>3</sub>, HCl, Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>

GW - ground water DW - drinking water WW - wastewater  
 SW - surface water S - soil/solid SL - sludge HW - waste

ITEM NO	SAMPLE ID	DATE	TIME	MATRIX	(LAB USE ONLY) LAB NO.	ANALYSES REQUEST	COMMENTS	Total # Containers
1	WR 2	9/28/22	7:27	SW	16100-1	Fecal	On ice	
2	WR 1	9/28/22	7:50	SW				
3	FC 0	9/28/22	8:06	SW				
4	FC 1	9/28/22	8:20	SW				
5	FC 2	9/28/22	8:35	SW				
6	WR 3	9/28/22	8:50	SW				
7	WR 4	9/29/22	9:07	SW				
8	WR 5	9/28/22	9:32	SW				
9								
10								

Relinquished By / Affiliation: **\_\_\_\_\_** Date: **9/28/22** Time: **10:23** Accepted By / Affiliation: **\_\_\_\_\_** Date: **9/29/22** Time: **10:24**

**FINANCE CHARGES APPLIED TO PAST DUE INVOICES**

## Login Sample Receipt Checklist

Client: Lovell Engineering Associates

Job Number: 674-1660-1

**Login Number: 1660**

**List Number: 1**

**Creator: Briggs, Donna**

**List Source: Eurofins Madison**

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Robert Rickart  
Lovell Engineering Associates  
3998 Inner Perimeter Road  
Valdosta, Georgia 31602  
Generated 12/20/2022 3:32:18 PM

## JOB DESCRIPTION

Lovell-LCI

## JOB NUMBER

674-2485-1

# Eurofins Madison

## Job Notes

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

## Authorization



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Authorized for release by  
David Camacho, Manager of Project Management  
[david.camacho@et.eurofinsus.com](mailto:david.camacho@et.eurofinsus.com)  
(407)339-5984



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# Definitions/Glossary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2485-1

## Qualifiers

### Metals

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Case Narrative

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2485-1

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**Job ID: 674-2485-1**

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**Laboratory: Eurofins Madison**

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**Narrative**

**Job Narrative  
674-2485-1**

**Receipt**

The samples were received on 12/6/2022 11:17 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 6.0°C

**Metals**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**Biology**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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# Detection Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2485-1

## Client Sample ID: WR6

Lab Sample ID: 674-2485-1

No Detections.

## Client Sample ID: WR7

Lab Sample ID: 674-2485-2

No Detections.

## Client Sample ID: WRT1

Lab Sample ID: 674-2485-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Escherichia coli	275.0		10.0	10.0	MPN/100mL	1		9223B	Total/NA

## Client Sample ID: MC1

Lab Sample ID: 674-2485-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Escherichia coli	98.0		10.0	10.0	MPN/100mL	1		9223B	Total/NA

## Client Sample ID: MC2

Lab Sample ID: 674-2485-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Escherichia coli	246.0		10.0	10.0	MPN/100mL	1		9223B	Total/NA

## Client Sample ID: AR1

Lab Sample ID: 674-2485-6

No Detections.

## Client Sample ID: JG2

Lab Sample ID: 674-2485-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Escherichia coli	228.0		10.0	10.0	MPN/100mL	1		9223B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Madison



# Client Sample Results

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2485-1

**Client Sample ID: WR6**

**Lab Sample ID: 674-2485-1**

Date Collected: 12/06/22 10:00

Matrix: Water

Date Received: 12/06/22 11:17

**Method: EPA 245.1 - Mercury (CVAA)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		12/09/22 12:01	12/09/22 16:10	1

**Client Sample ID: WR7**

**Lab Sample ID: 674-2485-2**

Date Collected: 12/06/22 10:45

Matrix: Water

Date Received: 12/06/22 11:17

**Method: EPA 245.1 - Mercury (CVAA)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		12/09/22 12:01	12/09/22 16:12	1

**Client Sample ID: WRT1**

**Lab Sample ID: 674-2485-3**

Date Collected: 12/06/22 09:45

Matrix: Water

Date Received: 12/06/22 11:17

**Method: SM 9223B - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	275.0		10.0	10.0	MPN/100mL			12/06/22 12:30	1

**Client Sample ID: MC1**

**Lab Sample ID: 674-2485-4**

Date Collected: 12/06/22 08:40

Matrix: Water

Date Received: 12/06/22 11:17

**Method: SM 9223B - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	98.0		10.0	10.0	MPN/100mL			12/06/22 12:30	1

**Client Sample ID: MC2**

**Lab Sample ID: 674-2485-5**

Date Collected: 12/06/22 08:55

Matrix: Water

Date Received: 12/06/22 11:17

**Method: SM 9223B - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	246.0		10.0	10.0	MPN/100mL			12/06/22 12:30	1

**Client Sample ID: AR1**

**Lab Sample ID: 674-2485-6**

Date Collected: 12/06/22 07:55

Matrix: Water

Date Received: 12/06/22 11:17

**Method: EPA 245.1 - Mercury (CVAA)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		12/19/22 12:20	12/20/22 11:41	1

**Client Sample ID: JG2**

**Lab Sample ID: 674-2485-7**

Date Collected: 12/06/22 09:25

Matrix: Water

Date Received: 12/06/22 11:17

**Method: SM 9223B - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	228.0		10.0	10.0	MPN/100mL			12/06/22 12:30	1

# QC Sample Results

Client: Lovell Engineering Associates  
 Project/Site: Lovell-LCI

Job ID: 674-2485-1

## Method: 245.1 - Mercury (CVAA)

**Lab Sample ID: MB 670-13974/11-A**  
**Matrix: Water**  
**Analysis Batch: 14040**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 13974**

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		12/09/22 12:01	12/09/22 15:43	1

**Lab Sample ID: LCS 670-13974/9-A**  
**Matrix: Water**  
**Analysis Batch: 14040**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 13974**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00268		mg/L		107	80 - 120

**Lab Sample ID: LCSD 670-13974/10-A**  
**Matrix: Water**  
**Analysis Batch: 14040**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 13974**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00250	0.00264		mg/L		106	80 - 120	2	20

**Lab Sample ID: MB 670-15182/11-A**  
**Matrix: Water**  
**Analysis Batch: 15398**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 15182**

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		12/19/22 12:20	12/20/22 11:09	1

**Lab Sample ID: LCS 670-15182/9-A**  
**Matrix: Water**  
**Analysis Batch: 15398**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 15182**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00265		mg/L		106	80 - 120

**Lab Sample ID: LCSD 670-15182/10-A**  
**Matrix: Water**  
**Analysis Batch: 15398**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 15182**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00250	0.00256		mg/L		102	80 - 120	3	20

# QC Association Summary

Client: Lovell Engineering Associates  
 Project/Site: Lovell-LCI

Job ID: 674-2485-1

## Metals

### Prep Batch: 13974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
674-2485-1	WR6	Total/NA	Water	245.1	
674-2485-2	WR7	Total/NA	Water	245.1	
MB 670-13974/11-A	Method Blank	Total/NA	Water	245.1	
LCS 670-13974/9-A	Lab Control Sample	Total/NA	Water	245.1	
LCSD 670-13974/10-A	Lab Control Sample Dup	Total/NA	Water	245.1	

### Analysis Batch: 14040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
674-2485-1	WR6	Total/NA	Water	245.1	13974
674-2485-2	WR7	Total/NA	Water	245.1	13974
MB 670-13974/11-A	Method Blank	Total/NA	Water	245.1	13974
LCS 670-13974/9-A	Lab Control Sample	Total/NA	Water	245.1	13974
LCSD 670-13974/10-A	Lab Control Sample Dup	Total/NA	Water	245.1	13974

### Prep Batch: 15182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
674-2485-6	AR1	Total/NA	Water	245.1	
MB 670-15182/11-A	Method Blank	Total/NA	Water	245.1	
LCS 670-15182/9-A	Lab Control Sample	Total/NA	Water	245.1	
LCSD 670-15182/10-A	Lab Control Sample Dup	Total/NA	Water	245.1	

### Analysis Batch: 15398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
674-2485-6	AR1	Total/NA	Water	245.1	15182
MB 670-15182/11-A	Method Blank	Total/NA	Water	245.1	15182
LCS 670-15182/9-A	Lab Control Sample	Total/NA	Water	245.1	15182
LCSD 670-15182/10-A	Lab Control Sample Dup	Total/NA	Water	245.1	15182

## Biology

### Analysis Batch: 874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
674-2485-3	WRT1	Total/NA	Water	9223B	
674-2485-4	MC1	Total/NA	Water	9223B	
674-2485-5	MC2	Total/NA	Water	9223B	
674-2485-7	JG2	Total/NA	Water	9223B	

# Lab Chronicle

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2485-1

## Client Sample ID: WR6

Date Collected: 12/06/22 10:00

Date Received: 12/06/22 11:17

Lab Sample ID: 674-2485-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	245.1			13974	NR	EET ORL	12/09/22 12:01
Total/NA	Analysis	245.1		1	14040	NR	EET ORL	12/09/22 16:10

## Client Sample ID: WR7

Date Collected: 12/06/22 10:45

Date Received: 12/06/22 11:17

Lab Sample ID: 674-2485-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	245.1			13974	NR	EET ORL	12/09/22 12:01
Total/NA	Analysis	245.1		1	14040	NR	EET ORL	12/09/22 16:12

## Client Sample ID: WRT1

Date Collected: 12/06/22 09:45

Date Received: 12/06/22 11:17

Lab Sample ID: 674-2485-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	874	DB	EET MAD	12/06/22 12:30

## Client Sample ID: MC1

Date Collected: 12/06/22 08:40

Date Received: 12/06/22 11:17

Lab Sample ID: 674-2485-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	874	DB	EET MAD	12/06/22 12:30

## Client Sample ID: MC2

Date Collected: 12/06/22 08:55

Date Received: 12/06/22 11:17

Lab Sample ID: 674-2485-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	874	DB	EET MAD	12/06/22 12:30

## Client Sample ID: AR1

Date Collected: 12/06/22 07:55

Date Received: 12/06/22 11:17

Lab Sample ID: 674-2485-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	245.1			15182	NR	EET ORL	12/19/22 12:20
Total/NA	Analysis	245.1		1	15398	NR	EET ORL	12/20/22 11:41

## Client Sample ID: JG2

Date Collected: 12/06/22 09:25

Date Received: 12/06/22 11:17

Lab Sample ID: 674-2485-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	874	DB	EET MAD	12/06/22 12:30

Eurofins Madison

# Lab Chronicle

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2485-1

**Laboratory References:**

EET MAD = Eurofins Madison, 812 S.W. Harvey Greene Drive, Madison, FL 32340, TEL (850)973-6878

EET ORL = Eurofins Orlando, 481 Newburyport Avenue, Altamonte Springs, FL 32701, TEL (407)339-5984

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# Accreditation/Certification Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2485-1

## Laboratory: Eurofins Madison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E82405	06-30-23

## Laboratory: Eurofins Orlando

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E83018	06-30-23

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# Method Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2485-1

Method	Method Description	Protocol	Laboratory
245.1	Mercury (CVAA)	EPA	EET ORL
9223B	Coliforms, Total, and E.Coll (Colilert - Quanti Tray)	SM	EET MAD
245.1	Preparation, Mercury	EPA	EET ORL

**Protocol References:**

- EPA = US Environmental Protection Agency
- SM = "Standard Methods For The Examination Of Water And Wastewater"

**Laboratory References:**

- EET MAD = Eurofins Madison, 812 S.W. Harvey Greene Drive, Madison, FL 32340, TEL (850)973-6878
- EET ORL = Eurofins Orlando, 481 Newburyport Avenue, Altamonte Springs, FL 32701, TEL (407)339-5984



# Sample Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2485-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
674-2485-1	WR6	Water	12/06/22 10:00	12/06/22 11:17
674-2485-2	WR7	Water	12/06/22 10:45	12/06/22 11:17
674-2485-3	WRT1	Water	12/06/22 09:45	12/06/22 11:17
674-2485-4	MC1	Water	12/06/22 08:40	12/06/22 11:17
674-2485-5	MC2	Water	12/06/22 08:55	12/06/22 11:17
674-2485-6	AR1	Water	12/06/22 07:55	12/06/22 11:17
674-2485-7	JG2	Water	12/06/22 09:25	12/06/22 11:17

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 Fax: 850-973-6878

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674-2485 Chain of Custody



Client: Lovell Engineering Associates, PC  
 Address: 3998 Inner Perimeter Rd, Ste C  
 Valdosta, GA 31602  
 Phone: 229.253.0900  
 Project Name: LCI  
 Client Contact: Rob Rickett  
 FCL Project Manager  
 P.O. #: 229.253.1842  
 FAX: 229.253.1842  
 E-MAIL: [rob.rickett@lea-pc.com](mailto:rob.rickett@lea-pc.com)  
 Rush Charges May Apply

Sampled By (PRINT): **ROB RICKETT**  
 Date Sampled: **12/6/2022**  
 Sampler Signature: *[Signature]*  
 Requested Due Date: 10 Day Standard OR Vehicle Surcharge \$  
 Pick-Up Fee \$ Sampling Fee \$  
 PRESERVATIVES: NONE, H<sub>2</sub>SO<sub>4</sub>, HNO<sub>3</sub>, HCl, Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>  
 ANALYSES REQUEST: E.coli, LLHg  
 COMMENTS: On ice

ITEM NO	SAMPLE ID	DATE	TIME	MATRIX	(LAB USE ONLY) LAB NO.	NONE	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	ANALYSES REQUEST	COMMENTS
1	WR 6	12/6	1000	SW	674-2485-1						X	On ice
2	WR 7	12/6	1045	SW							X	
3	WRT 1	12/6	0945	SW							X	
4	<del>WRT 2</del>	<del>12/6</del>	<del>1028</del>	<del>SW</del>							<del>X</del>	<del>DRY</del>
5	MC 1	12/6	0840	SW	674-2485-4						X	
6	MC 2	12/6	0855	SW							X	
7	AR 1	12/6	0755	SW							X	
8	JG2	12/6	0925	SW							X	
9												
10												

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
<i>[Signature]</i> / LEA	12/6	1117	<i>[Signature]</i> / Bus	12/6	1117						

FINANCE CHARGES APPLIED TO PAST DUE INVOICES

**Eurofins Madison**

812 S.W. Harvey Greene Drive  
 Madison, FL 32340  
 Phone: 850-973-6878 Fax: 850-973-6878

**Chain of Custody Record**



Environment Testing

<b>Client Information (Sub Contract Lab)</b> Client Contact: Rogers III, Judson Shipping/Receiving: Judson.RogersIII@et.eurofins.com Company: Eurofins Environment Testing Southeast, NELAP - Florida Address: 481 Newburyport Avenue, Allamonte Springs, FL 32701 Phone: 407-339-5984 (Tel) 407-260-6110 (Fax) Email: Project Name: Lovell-LC1 Site:		Lab PM: Rogers III, Judson E-Mail: Judson.RogersIII@et.eurofins.com Accreditations Required (See note): NELAP - Florida	Carrier Tracking No(s): 674-169-1 State of Origin: Florida Page 1 of 1 Job #: 674-2485-1						
Due Date Requested: 12/19/2022 TAT Requested (days):		Analysis Requested:							
PO #: WO #: Project #: SOW#:	Field Filtered Sample (Yes or No): Perform MMSD (Yes or No): 245 1/245 1, Prep Mercury	Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4.5 Y - Trizma Z - other (specify)							
<b>Sample Identification - Client ID (Lab ID)</b>	<b>Sample Date</b>	<b>Sample Time</b>	<b>Sample Type (C=Comp, G=grab)</b>	<b>MATRIX (W=water, S=solid, O=volatile, B=biomass, A=Air)</b>	<b>Preservation Code:</b>	<b>Field Filtered Sample (Yes or No)</b>	<b>Perform MMSD (Yes or No)</b>	<b>Total Number of Containers</b>	<b>Special Instructions/Note:</b>
WR6 (674-2485-1)	12/6/22	10:00 Eastern	Water	Water		X		1	
WR7 (674-2485-2)	12/6/22	10:45 Eastern	Water	Water		X		1	
AR1 (674-2485-6)	12/6/22	07:55 Eastern	Water	Water		X		1	
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.									
<b>Possible Hazard Identification</b> Unconfirmed Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2 Special Instructions/QC Requirements:									
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months									
Empty Kit Relinquished by:									
Relinquished by: <i>Worm Bugs</i> Date/Time: 12/17 08:00 Company:									
Relinquished by: Date/Time: Company:									
Relinquished by: Date/Time: Company:									
Custody Seals Intact: <input type="checkbox"/> Custody Seal No.: 1.5									



## Login Sample Receipt Checklist

Client: Lovell Engineering Associates

Job Number: 674-2485-1

**Login Number: 2485**

**List Source: Eurofins Madison**

**List Number: 1**

**Creator: Briggs, Donna**

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	



## Login Sample Receipt Checklist

Client: Lovell Engineering Associates

Job Number: 674-2485-1

**Login Number: 2485**

**List Number: 2**

**Creator: Beck, Brent**

**List Source: Eurofins Orlando**

**List Creation: 12/07/22 10:25 AM**

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

## Login Sample Receipt Checklist

Client: Lovell Engineering Associates

Job Number: 674-2485-1

**Login Number: 2485**

**List Number: 3**

**Creator: Clerisier, Meline**

**List Source: Eurofins Orlando**

**List Creation: 12/19/22 10:52 AM**

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	





# ANALYTICAL REPORT

## PREPARED FOR

Attn: Robert Rickart  
Lovell Engineering Associates  
3998 Inner Perimeter Road  
Valdosta, Georgia 31602

Generated 12/22/2022 6:36:44 PM

## JOB DESCRIPTION

Lovell-LCI

## JOB NUMBER

674-2525-1



# Eurofins Madison

## Job Notes

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

## Authorization



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Authorized for release by  
David Camacho, Manager of Project Management  
[david.camacho@et.eurofinsus.com](mailto:david.camacho@et.eurofinsus.com)  
(407)339-5984



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# Definitions/Glossary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2525-1

## Qualifiers

### Metals

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Case Narrative

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2525-1

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**Job ID: 674-2525-1**

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**Laboratory: Eurofins Madison**

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**Narrative**

**Job Narrative  
674-2525-1**

**Receipt**

The samples were received on 12/7/2022 10:43 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.6°C

**Metals**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**Biology**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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# Detection Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2525-1

## Client Sample ID: WR2

Lab Sample ID: 674-2525-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Escherichia coli	121.0		10.0	10.0	MPN/100mL	1		9223B	Total/NA

## Client Sample ID: WR1

Lab Sample ID: 674-2525-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Escherichia coli	233.0		10.0	10.0	MPN/100mL	1		9223B	Total/NA

## Client Sample ID: FC0

Lab Sample ID: 674-2525-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Escherichia coli	295.0		10.0	10.0	MPN/100mL	1		9223B	Total/NA

## Client Sample ID: FC1

Lab Sample ID: 674-2525-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Escherichia coli	52.0		10.0	10.0	MPN/100mL	1		9223B	Total/NA

## Client Sample ID: FC2

Lab Sample ID: 674-2525-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Escherichia coli	813.0		10.0	10.0	MPN/100mL	1		9223B	Total/NA

## Client Sample ID: WR3

Lab Sample ID: 674-2525-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Escherichia coli	63.0		10.0	10.0	MPN/100mL	1		9223B	Total/NA

## Client Sample ID: WR4

Lab Sample ID: 674-2525-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Escherichia coli	368.0		10.0	10.0	MPN/100mL	1		9223B	Total/NA

## Client Sample ID: WR5

Lab Sample ID: 674-2525-8

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Escherichia coli	41.0		10.0	10.0	MPN/100mL	1		9223B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Madison

# Client Sample Results

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2525-1

## Client Sample ID: WR2

Lab Sample ID: 674-2525-1

Date Collected: 12/07/22 07:38

Matrix: Water

Date Received: 12/07/22 10:43

### Method: EPA 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		12/09/22 12:01	12/09/22 16:04	1

### Method: SM 9223B - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	121.0		10.0	10.0	MPN/100mL			12/07/22 12:00	1

## Client Sample ID: WR1

Lab Sample ID: 674-2525-2

Date Collected: 12/07/22 08:00

Matrix: Water

Date Received: 12/07/22 10:43

### Method: EPA 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		12/09/22 12:01	12/09/22 16:05	1

### Method: SM 9223B - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	233.0		10.0	10.0	MPN/100mL			12/07/22 12:00	1

## Client Sample ID: FC0

Lab Sample ID: 674-2525-3

Date Collected: 12/07/22 08:18

Matrix: Water

Date Received: 12/07/22 10:43

### Method: SM 9223B - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	295.0		10.0	10.0	MPN/100mL			12/07/22 12:00	1

## Client Sample ID: FC1

Lab Sample ID: 674-2525-4

Date Collected: 12/07/22 08:30

Matrix: Water

Date Received: 12/07/22 10:43

### Method: SM 9223B - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	52.0		10.0	10.0	MPN/100mL			12/07/22 12:00	1

## Client Sample ID: FC2

Lab Sample ID: 674-2525-5

Date Collected: 12/07/22 08:48

Matrix: Water

Date Received: 12/07/22 10:43

### Method: SM 9223B - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	813.0		10.0	10.0	MPN/100mL			12/07/22 12:00	1

## Client Sample ID: WR3

Lab Sample ID: 674-2525-6

Date Collected: 12/07/22 09:00

Matrix: Water

Date Received: 12/07/22 10:43

### Method: EPA 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		12/09/22 12:01	12/09/22 16:06	1

### Method: SM 9223B - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	63.0		10.0	10.0	MPN/100mL			12/07/22 12:00	1

Eurofins Madison

# Client Sample Results

Client: Lovell Engineering Associates  
 Project/Site: Lovell-LCI

Job ID: 674-2525-1

## Client Sample ID: WR4

Lab Sample ID: 674-2525-7

Date Collected: 12/07/22 09:28

Matrix: Water

Date Received: 12/07/22 10:43

### Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.0011	U	0.0022	0.0011	mg/L		12/10/22 11:58	12/13/22 16:30	1

### Method: EPA 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		12/09/22 12:01	12/09/22 16:08	1

### Method: SM 9223B - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	368.0		10.0	10.0	MPN/100mL			12/07/22 12:00	1

## Client Sample ID: WR5

Lab Sample ID: 674-2525-8

Date Collected: 12/07/22 09:58

Matrix: Water

Date Received: 12/07/22 10:43

### Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.0011	U	0.0022	0.0011	mg/L		12/13/22 13:56	12/14/22 18:17	1

### Method: EPA 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		12/09/22 12:01	12/09/22 16:09	1

### Method: SM 9223B - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	41.0		10.0	10.0	MPN/100mL			12/07/22 12:00	1

# QC Sample Results

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2525-1

## Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 670-14053/3-A  
Matrix: Water  
Analysis Batch: 14604

Client Sample ID: Method Blank  
Prep Type: Total Recoverable  
Prep Batch: 14053

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.0010	U	0.0020	0.0010	mg/L		12/10/22 11:58	12/13/22 16:10	1

Lab Sample ID: LCS 670-14053/1-A  
Matrix: Water  
Analysis Batch: 14604

Client Sample ID: Lab Control Sample  
Prep Type: Total Recoverable  
Prep Batch: 14053

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	0.100	0.0993		mg/L		99	85 - 115

Lab Sample ID: LCSD 670-14053/2-A  
Matrix: Water  
Analysis Batch: 14604

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total Recoverable  
Prep Batch: 14053

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead	0.100	0.0960		mg/L		96	85 - 115	3	40

Lab Sample ID: MB 670-14377/3-A  
Matrix: Water  
Analysis Batch: 14723

Client Sample ID: Method Blank  
Prep Type: Total Recoverable  
Prep Batch: 14377

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.0010	U	0.0020	0.0010	mg/L		12/13/22 13:56	12/14/22 17:08	1

Lab Sample ID: LCS 670-14377/1-A  
Matrix: Water  
Analysis Batch: 14723

Client Sample ID: Lab Control Sample  
Prep Type: Total Recoverable  
Prep Batch: 14377

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	0.100	0.0860		mg/L		86	85 - 115

Lab Sample ID: LCSD 670-14377/2-A  
Matrix: Water  
Analysis Batch: 14723

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total Recoverable  
Prep Batch: 14377

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead	0.100	0.0907		mg/L		91	85 - 115	5	40

## Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 670-13974/11-A  
Matrix: Water  
Analysis Batch: 14040

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 13974

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		12/09/22 12:01	12/09/22 15:43	1

# QC Sample Results

Client: Lovell Engineering Associates  
 Project/Site: Lovell-LCI

Job ID: 674-2525-1

## Method: 245.1 - Mercury (CVAA) (Continued)

**Lab Sample ID: LCS 670-13974/9-A**  
**Matrix: Water**  
**Analysis Batch: 14040**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 13974**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00268		mg/L		107	80 - 120

**Lab Sample ID: LCSD 670-13974/10-A**  
**Matrix: Water**  
**Analysis Batch: 14040**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 13974**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00250	0.00264		mg/L		106	80 - 120	2	20

# QC Association Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2525-1

## Metals

### Prep Batch: 13974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
674-2525-1	WR2	Total/NA	Water	245.1	
674-2525-2	WR1	Total/NA	Water	245.1	
674-2525-6	WR3	Total/NA	Water	245.1	
674-2525-7	WR4	Total/NA	Water	245.1	
674-2525-8	WR5	Total/NA	Water	245.1	
MB 670-13974/11-A	Method Blank	Total/NA	Water	245.1	
LCS 670-13974/9-A	Lab Control Sample	Total/NA	Water	245.1	
LCSD 670-13974/10-A	Lab Control Sample Dup	Total/NA	Water	245.1	

### Analysis Batch: 14040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
674-2525-1	WR2	Total/NA	Water	245.1	13974
674-2525-2	WR1	Total/NA	Water	245.1	13974
674-2525-6	WR3	Total/NA	Water	245.1	13974
674-2525-7	WR4	Total/NA	Water	245.1	13974
674-2525-8	WR5	Total/NA	Water	245.1	13974
MB 670-13974/11-A	Method Blank	Total/NA	Water	245.1	13974
LCS 670-13974/9-A	Lab Control Sample	Total/NA	Water	245.1	13974
LCSD 670-13974/10-A	Lab Control Sample Dup	Total/NA	Water	245.1	13974

### Prep Batch: 14053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
674-2525-7	WR4	Total Recoverable	Water	200.8	
MB 670-14053/3-A	Method Blank	Total Recoverable	Water	200.8	
LCS 670-14053/1-A	Lab Control Sample	Total Recoverable	Water	200.8	
LCSD 670-14053/2-A	Lab Control Sample Dup	Total Recoverable	Water	200.8	

### Prep Batch: 14377

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
674-2525-8	WR5	Total Recoverable	Water	200.8	
MB 670-14377/3-A	Method Blank	Total Recoverable	Water	200.8	
LCS 670-14377/1-A	Lab Control Sample	Total Recoverable	Water	200.8	
LCSD 670-14377/2-A	Lab Control Sample Dup	Total Recoverable	Water	200.8	

### Analysis Batch: 14604

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
674-2525-7	WR4	Total Recoverable	Water	200.8	14053
MB 670-14053/3-A	Method Blank	Total Recoverable	Water	200.8	14053
LCS 670-14053/1-A	Lab Control Sample	Total Recoverable	Water	200.8	14053
LCSD 670-14053/2-A	Lab Control Sample Dup	Total Recoverable	Water	200.8	14053

### Analysis Batch: 14723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
674-2525-8	WR5	Total Recoverable	Water	200.8	14377
MB 670-14377/3-A	Method Blank	Total Recoverable	Water	200.8	14377
LCS 670-14377/1-A	Lab Control Sample	Total Recoverable	Water	200.8	14377
LCSD 670-14377/2-A	Lab Control Sample Dup	Total Recoverable	Water	200.8	14377



# QC Association Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2525-1

## Biology

### Analysis Batch: 879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
674-2525-1	WR2	Total/NA	Water	9223B	
674-2525-2	WR1	Total/NA	Water	9223B	
674-2525-3	FC0	Total/NA	Water	9223B	
674-2525-4	FC1	Total/NA	Water	9223B	
674-2525-5	FC2	Total/NA	Water	9223B	
674-2525-6	WR3	Total/NA	Water	9223B	
674-2525-7	WR4	Total/NA	Water	9223B	
674-2525-8	WR5	Total/NA	Water	9223B	



# Lab Chronicle

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2525-1

## Client Sample ID: WR2

Date Collected: 12/07/22 07:38

Date Received: 12/07/22 10:43

Lab Sample ID: 674-2525-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	245.1			13974	NR	EET ORL	12/09/22 12:01
Total/NA	Analysis	245.1		1	14040	NR	EET ORL	12/09/22 16:04
Total/NA	Analysis	9223B		1	879	DB	EET MAD	12/07/22 12:00

## Client Sample ID: WR1

Date Collected: 12/07/22 08:00

Date Received: 12/07/22 10:43

Lab Sample ID: 674-2525-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	245.1			13974	NR	EET ORL	12/09/22 12:01
Total/NA	Analysis	245.1		1	14040	NR	EET ORL	12/09/22 16:05
Total/NA	Analysis	9223B		1	879	DB	EET MAD	12/07/22 12:00

## Client Sample ID: FC0

Date Collected: 12/07/22 08:18

Date Received: 12/07/22 10:43

Lab Sample ID: 674-2525-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	879	DB	EET MAD	12/07/22 12:00

## Client Sample ID: FC1

Date Collected: 12/07/22 08:30

Date Received: 12/07/22 10:43

Lab Sample ID: 674-2525-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	879	DB	EET MAD	12/07/22 12:00

## Client Sample ID: FC2

Date Collected: 12/07/22 08:48

Date Received: 12/07/22 10:43

Lab Sample ID: 674-2525-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	879	DB	EET MAD	12/07/22 12:00

## Client Sample ID: WR3

Date Collected: 12/07/22 09:00

Date Received: 12/07/22 10:43

Lab Sample ID: 674-2525-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	245.1			13974	NR	EET ORL	12/09/22 12:01
Total/NA	Analysis	245.1		1	14040	NR	EET ORL	12/09/22 16:06
Total/NA	Analysis	9223B		1	879	DB	EET MAD	12/07/22 12:00

Eurofins Madison

# Lab Chronicle

Client: Lovell Engineering Associates  
 Project/Site: Lovell-LCI

Job ID: 674-2525-1

**Client Sample ID: WR4**

**Lab Sample ID: 674-2525-7**

Date Collected: 12/07/22 09:28

Matrix: Water

Date Received: 12/07/22 10:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.8			14053	AS	EET ORL	12/10/22 11:58
Total Recoverable	Analysis	200.8		1	14604	EV	EET ORL	12/13/22 16:30
Total/NA	Prep	245.1			13974	NR	EET ORL	12/09/22 12:01
Total/NA	Analysis	245.1		1	14040	NR	EET ORL	12/09/22 16:08
Total/NA	Analysis	9223B		1	879	DB	EET MAD	12/07/22 12:00

**Client Sample ID: WR5**

**Lab Sample ID: 674-2525-8**

Date Collected: 12/07/22 09:58

Matrix: Water

Date Received: 12/07/22 10:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.8			14377	JR	EET ORL	12/13/22 13:56
Total Recoverable	Analysis	200.8		1	14723	EV	EET ORL	12/14/22 18:17
Total/NA	Prep	245.1			13974	NR	EET ORL	12/09/22 12:01
Total/NA	Analysis	245.1		1	14040	NR	EET ORL	12/09/22 16:09
Total/NA	Analysis	9223B		1	879	DB	EET MAD	12/07/22 12:00

**Laboratory References:**

EET MAD = Eurofins Madison, 812 S.W. Harvey Greene Drive, Madison, FL 32340, TEL (850)973-6878

EET ORL = Eurofins Orlando, 481 Newburyport Avenue, Altamonte Springs, FL 32701, TEL (407)339-5984

# Accreditation/Certification Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2525-1

## Laboratory: Eurofins Madison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E82405	06-30-23

## Laboratory: Eurofins Orlando

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E83018	06-30-23

- 1
- 2
- 3
- 4
- 5
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- 14

# Method Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2525-1

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	EET ORL
245.1	Mercury (CVAA)	EPA	EET ORL
9223B	Coliforms, Total, and E.Coll (Colilert - Quanti Tray)	SM	EET MAD
200.8	Preparation, Total Recoverable Metals	EPA	EET ORL
245.1	Preparation, Mercury	EPA	EET ORL

**Protocol References:**

EPA = US Environmental Protection Agency  
SM = "Standard Methods For The Examination Of Water And Wastewater"

**Laboratory References:**

EET MAD = Eurofins Madison, 812 S.W. Harvey Greene Drive, Madison, FL 32340, TEL (850)973-6878  
EET ORL = Eurofins Orlando, 481 Newburyport Avenue, Altamonte Springs, FL 32701, TEL (407)339-5984



# Sample Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2525-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
674-2525-1	WR2	Water	12/07/22 07:38	12/07/22 10:43
674-2525-2	WR1	Water	12/07/22 08:00	12/07/22 10:43
674-2525-3	FC0	Water	12/07/22 08:18	12/07/22 10:43
674-2525-4	FC1	Water	12/07/22 08:30	12/07/22 10:43
674-2525-5	FC2	Water	12/07/22 08:48	12/07/22 10:43
674-2525-6	WR3	Water	12/07/22 09:00	12/07/22 10:43
674-2525-7	WR4	Water	12/07/22 09:28	12/07/22 10:43
674-2525-8	WR5	Water	12/07/22 09:58	12/07/22 10:43

- 1
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- 12
- 13
- 14

**Check Box That Applies To Your Location**

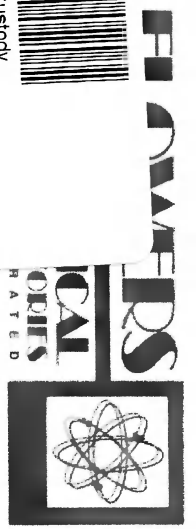
- Flowers Chemical Labs - Florida, Inc.
- Flowers Chemical Labs - South
- Flowers Chemical Labs - North
- Flowers Chemical Labs - Texas

481 Newburyport Ave.  
Altamonte Springs, FL 32701  
Bus: 407-339-5984  
Fax: 407-260-6110

West Park Industrial Plaza  
571 N.W. Mercantile Pl., Ste. 111  
Port St. Lucie, FL 34986  
Bus: 772-343-8006  
Fax: 772-343-8089

812 S.W. Harvey Greene Dr.  
Madison, FL 32340  
Bus: 850-973-6878  
Fax: 850-973-6878

3980 Overseas Hl  
Marathon, FL 330  
Bus: 305-743-859  
Fax: 305-743-8591



**DOWNLOAD REPORTS, INVOICES AND CHAINS OF CUSTODY [www.flowerslab.com](http://www.flowerslab.com)**

Client: Lovell Engineering Associates, PC  
Address: 3998 Inner Perimeter Rd, Ste C  
Valdosta, GA 31602  
Phone: 229.253.0900  
Sampled By (PRINT):

Project Name: LCI  
Client Contact: Rob Rickett  
FCL Project Manager  
Requested Due Date: 10 Day Standard OR  
Pick-Up Fee: \$  
Vehicle Surcharge: \$  
Sampling Fee: \$

Sampler Signature: \_\_\_\_\_ Date Sampled: \_\_\_\_\_  
P.O. #: \_\_\_\_\_ FAX: 229.253.1842  
E-MAIL: [rob.rickett@lea-pc.com](mailto:rob.rickett@lea-pc.com)  
Rush Charges May Apply

ITEM NO	SAMPLE ID	DATE	TIME	MATRIX	(LAB USE ONLY) LAB NO.	PRESERVATIVES	ANALYSES REQUEST	COMMENTS	Total # Containers
1	WR 2	12/17/22	7:38	SW	71-2525-1	NONE	X X	On ice	✓
2	WR 1	12/17/22	8:00	SW		H <sub>2</sub> SO <sub>4</sub>	X X		✓
3	FC 0	12/17/22	8:18	SW		HNO <sub>3</sub>	X X		✓
4	FC 1	12/17/22	8:30	SW		HCl	X X		✓
5	FC 2	12/17/22	8:48	SW		Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	X X		✓
6	WR 3	12/17/22	9:00	SW			X X		✓
7	WR 4	12/17/22	9:28	SW			X X		✓
8	WR 5	12/17/22	9:58	SW			X X X		✓
9									
10									

Relinquished By / Affiliation: Bryce Weber Date: 12/17/22 Time: 10:45  
Accepted By / Affiliation: Bryce Weber Date: 12/17/22 Time: 10:45

**FINANCE CHARGES APPLIED TO PAST DUE INVOICES**

**Eurofins Madison**

812 S.W. Harvey Greene Drive  
Madison, FL 32340  
Phone: 850-973-6878 Fax: 850-973-6878

**Chain of Custody Record**



Environmental Testing

**Client Information (Sub Contract Lab)**

Client Contact: Shipping/Receiving  
Company: Eurofins Environment Testing Southeast  
Address: 481 Newburyport Avenue.  
City: Altamonte Springs  
State Zip: FL, 32701  
Phone: 407-339-5984(Tel) 407-260-6110(Fax)  
Email:   
Project Name: Lovell-LCI  
Site:   
Sampler:   
Phone:   
Lab PM: Rogers III, Judson  
E-Mail: Judson.RogersIII@et.eurofins.com  
Accreditations Required (See note): NELAP - Florida  
Carrier Tracking No(s):   
State of Origin: Florida  
COC No: 674-172-1  
Page: Page 1 of 1  
Job #: 674-2525-1

**Analysis Requested**

Due Date Requested:	TAT Requested (days):	PO #	WO #	Project #	SSOW#	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Preservation Codes:
12/20/2022				67400082				A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - NaOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsnEO2 P - Na2OAS Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4.5 X - Trizma Y - other (specify) Z - other (specify)

**Sample Identification - Client ID (Lab ID)**

Sample ID	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Preservation Code	Total Number of containers	Special Instructions/Note:
WR2 (674-2525-1)	12/7/22	07:38 Eastern	Water		1	
WR1 (674-2525-2)	12/7/22	08:00 Eastern	Water		1	
WR3 (674-2525-6)	12/7/22	09:00 Eastern	Water		1	
WR4 (674-2525-7)	12/7/22	09:28 Eastern	Water		2	
WR5 (674-2525-8)	12/7/22	09:58 Eastern	Water		2	

**Possible Hazard Identification**

Deliverable Requested: I, II, III, IV, Other (specify): \_\_\_\_\_  
Primary Deliverable Rank: 2  
Empty Kit Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_  
Reinquired by: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
Reinquired by: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
Custody Seals Intact: \_\_\_\_\_ Custody Seal No.: \_\_\_\_\_

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analysis & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/method being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

**Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)**  
 Return To Client  
 Disposal By Lab  
 Archive For \_\_\_\_\_ Months

Reinquired by: *Doree Burgess* Date/Time: *12/17/22* / *1500* Company: *Judson*  
 Reinquired by: *Alexandra C. Wells* Date/Time: *12/18* / *800* Company: \_\_\_\_\_  
 Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Cooler Temperature(s): \_\_\_\_\_ °C and Other Remarks: *3.15*



## Login Sample Receipt Checklist

Client: Lovell Engineering Associates

Job Number: 674-2525-1

**Login Number: 2525**

**List Source: Eurofins Madison**

**List Number: 1**

**Creator: Briggs, Donna**

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

## Login Sample Receipt Checklist

Client: Lovell Engineering Associates

Job Number: 674-2525-1

**Login Number: 2525**

**List Number: 2**

**Creator: Beck, Brent**

**List Source: Eurofins Orlando**

**List Creation: 12/08/22 10:47 AM**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



 **ANALYTICAL REPORT****PREPARED FOR**

Attn: Robert Rickart  
Lovell Engineering Associates  
3998 Inner Perimeter Road  
Valdosta, Georgia 31602

Generated 12/27/2022 9:07:41 AM

**JOB DESCRIPTION**

Lovell-LCI

**JOB NUMBER**

674-2612-1

# Eurofins Madison

## Job Notes

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

## Authorization



Generated  
12/27/2022 9:07:41 AM

Authorized for release by  
David Camacho, Manager of Project Management  
[david.camacho@et.eurofinsus.com](mailto:david.camacho@et.eurofinsus.com)  
(407)339-5984



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## Definitions/Glossary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2612-1

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Case Narrative

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2612-1

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**Job ID: 674-2612-1**

---

**Laboratory: Eurofins Madison**

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**Narrative**

**Job Narrative  
674-2612-1**

**Receipt**

The samples were received on 12/13/2022 11:09 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.0°C

**Biology**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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# Detection Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2612-1

## Client Sample ID: WR 2

Lab Sample ID: 674-2612-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Escherichia coli	8.6		1.0	1.0	MPN/100mL	1		9223B	Total/NA

## Client Sample ID: WR 1

Lab Sample ID: 674-2612-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Escherichia coli	12.1		1.0	1.0	MPN/100mL	1		9223B	Total/NA

## Client Sample ID: FC 0

Lab Sample ID: 674-2612-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Escherichia coli	34.5		1.0	1.0	MPN/100mL	1		9223B	Total/NA

## Client Sample ID: FC 1

Lab Sample ID: 674-2612-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Escherichia coli	2.0		1.0	1.0	MPN/100mL	1		9223B	Total/NA

## Client Sample ID: FC 2

Lab Sample ID: 674-2612-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Escherichia coli	4.1		1.0	1.0	MPN/100mL	1		9223B	Total/NA

## Client Sample ID: WR 3

Lab Sample ID: 674-2612-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Escherichia coli	6.3		1.0	1.0	MPN/100mL	1		9223B	Total/NA

## Client Sample ID: WR 4

Lab Sample ID: 674-2612-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Escherichia coli	3.1		1.0	1.0	MPN/100mL	1		9223B	Total/NA

## Client Sample ID: WR 5

Lab Sample ID: 674-2612-8

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Escherichia coli	39.9		1.0	1.0	MPN/100mL	1		9223B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Madison



# Client Sample Results

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2612-1

**Client Sample ID: WR 2**

**Lab Sample ID: 674-2612-1**

Date Collected: 12/13/22 08:25

Matrix: Water

Date Received: 12/13/22 11:09

**Method: SM 9223B - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	8.6		1.0	1.0	MPN/100mL			12/13/22 12:30	1

**Client Sample ID: WR 1**

**Lab Sample ID: 674-2612-2**

Date Collected: 12/13/22 08:00

Matrix: Water

Date Received: 12/13/22 11:09

**Method: SM 9223B - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	12.1		1.0	1.0	MPN/100mL			12/13/22 12:30	1

**Client Sample ID: FC 0**

**Lab Sample ID: 674-2612-3**

Date Collected: 12/13/22 08:42

Matrix: Water

Date Received: 12/13/22 11:09

**Method: SM 9223B - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	34.5		1.0	1.0	MPN/100mL			12/13/22 12:30	1

**Client Sample ID: FC 1**

**Lab Sample ID: 674-2612-4**

Date Collected: 12/13/22 08:55

Matrix: Water

Date Received: 12/13/22 11:09

**Method: SM 9223B - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	2.0		1.0	1.0	MPN/100mL			12/13/22 12:30	1

**Client Sample ID: FC 2**

**Lab Sample ID: 674-2612-5**

Date Collected: 12/13/22 09:11

Matrix: Water

Date Received: 12/13/22 11:09

**Method: SM 9223B - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	4.1		1.0	1.0	MPN/100mL			12/13/22 12:30	1

**Client Sample ID: WR 3**

**Lab Sample ID: 674-2612-6**

Date Collected: 12/13/22 09:26

Matrix: Water

Date Received: 12/13/22 11:09

**Method: SM 9223B - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	6.3		1.0	1.0	MPN/100mL			12/13/22 12:30	1

**Client Sample ID: WR 4**

**Lab Sample ID: 674-2612-7**

Date Collected: 12/13/22 09:46

Matrix: Water

Date Received: 12/13/22 11:09

**Method: SM 9223B - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	3.1		1.0	1.0	MPN/100mL			12/13/22 12:30	1

Eurofins Madison

# Client Sample Results

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2612-1

**Client Sample ID: WR 5**

**Lab Sample ID: 674-2612-8**

Date Collected: 12/13/22 10:15

Matrix: Water

Date Received: 12/13/22 11:09

**Method: SM 9223B - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	39.9		1.0	1.0	MPN/100mL			12/13/22 12:30	1

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# QC Association Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2612-1

## Biology

### Analysis Batch: 902

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
674-2612-1	WR 2	Total/NA	Water	9223B	
674-2612-2	WR 1	Total/NA	Water	9223B	
674-2612-3	FC 0	Total/NA	Water	9223B	
674-2612-4	FC 1	Total/NA	Water	9223B	
674-2612-5	FC 2	Total/NA	Water	9223B	
674-2612-6	WR 3	Total/NA	Water	9223B	
674-2612-7	WR 4	Total/NA	Water	9223B	
674-2612-8	WR 5	Total/NA	Water	9223B	



# Lab Chronicle

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2612-1

## Client Sample ID: WR 2

Date Collected: 12/13/22 08:25

Date Received: 12/13/22 11:09

## Lab Sample ID: 674-2612-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	902	DB	EET MAD	12/13/22 12:30

## Client Sample ID: WR 1

Date Collected: 12/13/22 08:00

Date Received: 12/13/22 11:09

## Lab Sample ID: 674-2612-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	902	DB	EET MAD	12/13/22 12:30

## Client Sample ID: FC 0

Date Collected: 12/13/22 08:42

Date Received: 12/13/22 11:09

## Lab Sample ID: 674-2612-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	902	DB	EET MAD	12/13/22 12:30

## Client Sample ID: FC 1

Date Collected: 12/13/22 08:55

Date Received: 12/13/22 11:09

## Lab Sample ID: 674-2612-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	902	DB	EET MAD	12/13/22 12:30

## Client Sample ID: FC 2

Date Collected: 12/13/22 09:11

Date Received: 12/13/22 11:09

## Lab Sample ID: 674-2612-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	902	DB	EET MAD	12/13/22 12:30

## Client Sample ID: WR 3

Date Collected: 12/13/22 09:26

Date Received: 12/13/22 11:09

## Lab Sample ID: 674-2612-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	902	DB	EET MAD	12/13/22 12:30

## Client Sample ID: WR 4

Date Collected: 12/13/22 09:46

Date Received: 12/13/22 11:09

## Lab Sample ID: 674-2612-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	902	DB	EET MAD	12/13/22 12:30

# Lab Chronicle

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2612-1

**Client Sample ID: WR 5**

**Lab Sample ID: 674-2612-8**

**Date Collected: 12/13/22 10:15**

**Matrix: Water**

**Date Received: 12/13/22 11:09**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	902	DB	EET MAD	12/13/22 12:30

**Laboratory References:**

EET MAD = Eurofins Madison, 812 S.W. Harvey Greene Drive, Madison, FL 32340, TEL (850)973-6878

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# Accreditation/Certification Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2612-1

## Laboratory: Eurofins Madison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E82405	06-30-23

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# Method Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2612-1

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Method	Method Description	Protocol	Laboratory
9223B	Coliforms, Total, and E.Coll (Colilert - Quanti Tray)	SM	EET MAD

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**Protocol References:**

SM = "Standard Methods For The Examination Of Water And Wastewater"

**Laboratory References:**

EET MAD = Eurofins Madison, 812 S.W. Harvey Greene Drive, Madison, FL 32340, TEL (850)973-6878



# Sample Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2612-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
674-2612-1	WR 2	Water	12/13/22 08:25	12/13/22 11:09
674-2612-2	WR 1	Water	12/13/22 08:00	12/13/22 11:09
674-2612-3	FC 0	Water	12/13/22 08:42	12/13/22 11:09
674-2612-4	FC 1	Water	12/13/22 08:55	12/13/22 11:09
674-2612-5	FC 2	Water	12/13/22 09:11	12/13/22 11:09
674-2612-6	WR 3	Water	12/13/22 09:26	12/13/22 11:09
674-2612-7	WR 4	Water	12/13/22 09:46	12/13/22 11:09
674-2612-8	WR 5	Water	12/13/22 10:15	12/13/22 11:09

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**Check Box That Applies To Your Location**

- Flowers Chemical Labs - Florida, Inc.**
- Flowers Chemical Labs - South**
- Flowers Chemical Labs - North**
- Flowers Chemical Labs - Texas**

**DOWNLOAD REPORTS, INVOICES AND CHAINS OF CUSTODY [www.flowerslabs.com](http://www.flowerslabs.com)**

Client: **Lovell Engineering Associates, PC**

Address: **3998 Inner Perimeter Rd, Ste C**

**Valdosta, GA 31602**

Phone: **229.253.0900**

Sampled By (PRINT):

Sampler Signature

Date Sampled

Project Name: **LCI**

Client Contact: **Rob Rickett**

FCL Project Manager

Requested Due Date: **10 Day Standard**

Pick-Up Fee: \$

OR

Vehicle Surcharge: \$

Sampling Fee: \$

Rush Charges May Apply

674-2612 Chain of Custody

FAX: **229.253.1842**

E-MAIL: **rob.rickett@lea-pc.com**



GW - ground water DW - drinking water WW - wastewater  
 SW - surface water S - soil/solid SL - sludge HW - waste

ITEM NO	SAMPLE ID	DATE	TIME	MATRIX	(LAB USE ONLY) LAB NO.	NONE	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	ANALYSES REQUEST	COMMENTS	Total # Containers
1	WR 2	12/13/12	8:25	SW	674-2612-1							On ice	
2	WR 1	12/13/12	8:00	SW									
3	FC 0	12/13/12	8:42	SW								low flow	
4	FC 1	12/13/12	8:55	SW								low flow	
5	FC 2	12/13/12	9:11	SW									
6	WR 3	12/13/12	9:26	SW									
7	WR 4	12/13/12	9:46	SW									
8	WR 5	12/13/12	10:15	SW									
9													
10													

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
<i>Born...</i>	12/13/12	11:05	<i>Born...</i>	12/13/12	11:05						

**FINANCE CHARGES APPLIED TO PAST DUE INVOICES**

• WHITE - Lab Copy - To Be Scanned

• YELLOW - Client Copy

## Login Sample Receipt Checklist

Client: Lovell Engineering Associates

Job Number: 674-2612-1

Login Number: 2612

List Number: 1

Creator: Briggs, Donna

List Source: Eurofins Madison

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	



# ANALYTICAL REPORT

## PREPARED FOR

Attn: Robert Rickart  
Lovell Engineering Associates  
3998 Inner Perimeter Road  
Valdosta, Georgia 31602

Generated 12/27/2022 9:13:06 AM

## JOB DESCRIPTION

Lovell-LCI

## JOB NUMBER

674-2655-1

# Eurofins Madison

## Job Notes

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

## Authorization



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12/27/2022 9:13:06 AM

Authorized for release by  
David Camacho, Manager of Project Management  
[david.camacho@et.eurofinsus.com](mailto:david.camacho@et.eurofinsus.com)  
(407)339-5984



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## Definitions/Glossary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2655-1

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Case Narrative

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2655-1

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**Job ID: 674-2655-1**

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**Laboratory: Eurofins Madison**

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**Narrative**

**Job Narrative  
674-2655-1**

**Receipt**

The samples were received on 12/14/2022 10:42 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.6°C

**Biology**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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# Detection Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2655-1

## Client Sample ID: WRT 1

Lab Sample ID: 674-2655-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Escherichia coli	211.0		10.0	10.0	MPN/100mL	1		9223B	Total/NA

## Client Sample ID: MC 1

Lab Sample ID: 674-2655-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Escherichia coli	86.0		10.0	10.0	MPN/100mL	1		9223B	Total/NA

## Client Sample ID: MC 2

Lab Sample ID: 674-2655-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Escherichia coli	313.0		10.0	10.0	MPN/100mL	1		9223B	Total/NA

## Client Sample ID: JG 2

Lab Sample ID: 674-2655-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Escherichia coli	355.0		10.0	10.0	MPN/100mL	1		9223B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Madison



# Client Sample Results

Client: Lovell Engineering Associates  
 Project/Site: Lovell-LCI

Job ID: 674-2655-1

**Client Sample ID: WRT 1**

**Lab Sample ID: 674-2655-1**

Date Collected: 12/14/22 09:54

Matrix: Water

Date Received: 12/14/22 10:42

**Method: SM 9223B - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	211.0		10.0	10.0	MPN/100mL			12/14/22 11:40	1

**Client Sample ID: MC 1**

**Lab Sample ID: 674-2655-2**

Date Collected: 12/14/22 07:50

Matrix: Water

Date Received: 12/14/22 10:42

**Method: SM 9223B - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	86.0		10.0	10.0	MPN/100mL			12/14/22 11:40	1

**Client Sample ID: MC 2**

**Lab Sample ID: 674-2655-3**

Date Collected: 12/14/22 08:06

Matrix: Water

Date Received: 12/14/22 10:42

**Method: SM 9223B - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	313.0		10.0	10.0	MPN/100mL			12/14/22 11:40	1

**Client Sample ID: JG 2**

**Lab Sample ID: 674-2655-4**

Date Collected: 12/14/22 08:36

Matrix: Water

Date Received: 12/14/22 10:42

**Method: SM 9223B - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	355.0		10.0	10.0	MPN/100mL			12/14/22 11:40	1

# QC Association Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2655-1

## Biology

### Analysis Batch: 911

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
674-2655-1	WRT 1	Total/NA	Water	9223B	
674-2655-2	MC 1	Total/NA	Water	9223B	
674-2655-3	MC 2	Total/NA	Water	9223B	
674-2655-4	JG 2	Total/NA	Water	9223B	

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# Lab Chronicle

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2655-1

## Client Sample ID: WRT 1

Date Collected: 12/14/22 09:54

Date Received: 12/14/22 10:42

## Lab Sample ID: 674-2655-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	911	DB	EET MAD	12/14/22 11:40

## Client Sample ID: MC 1

Date Collected: 12/14/22 07:50

Date Received: 12/14/22 10:42

## Lab Sample ID: 674-2655-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	911	DB	EET MAD	12/14/22 11:40

## Client Sample ID: MC 2

Date Collected: 12/14/22 08:06

Date Received: 12/14/22 10:42

## Lab Sample ID: 674-2655-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	911	DB	EET MAD	12/14/22 11:40

## Client Sample ID: JG 2

Date Collected: 12/14/22 08:36

Date Received: 12/14/22 10:42

## Lab Sample ID: 674-2655-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	911	DB	EET MAD	12/14/22 11:40

### Laboratory References:

EET MAD = Eurofins Madison, 812 S.W. Harvey Greene Drive, Madison, FL 32340, TEL (850)973-6878

# Accreditation/Certification Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2655-1

## Laboratory: Eurofins Madison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E82405	06-30-23

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# Method Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2655-1

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Method	Method Description	Protocol	Laboratory
9223B	Coliforms, Total, and E.Coll (Colilert - Quanti Tray)	SM	EET MAD

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**Protocol References:**

SM = "Standard Methods For The Examination Of Water And Wastewater"

**Laboratory References:**

EET MAD = Eurofins Madison, 812 S.W. Harvey Greene Drive, Madison, FL 32340, TEL (850)973-6878

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# Sample Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2655-1

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
674-2655-1	WRT 1	Water	12/14/22 09:54	12/14/22 10:42
674-2655-2	MC 1	Water	12/14/22 07:50	12/14/22 10:42
674-2655-3	MC 2	Water	12/14/22 08:06	12/14/22 10:42
674-2655-4	JG 2	Water	12/14/22 08:36	12/14/22 10:42

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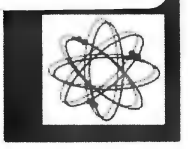
**Check Box That Applies To Your Location**

**Flowers Chemical Labs - Florida, Inc.**  
 481 Newburyport Ave.  
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 571 N.W. Mercantile Pl., Ste. 111  
 Port St. Lucie, FL 34986  
 Bus: 772-343-8006  
 Fax: 772-343-8089

**Flowers Chemical Labs - North**  
 812 S.W. Harvey Greene Dr.  
 Madison, FL 32340  
 Bus: 850-973-6878  
 Fax: 850-973-6878

**Flowers Chemical Labs - Texas**  
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 Marathon, FL 33050  
 Bus: 305-743-8598  
 Fax: 305-743-8598



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Client: **Lovell Engineering Associates, PC** Project Name: **LCI** P.O. #

Address: **3998 Inner Perimeter Rd, Ste C** Client Contact: **Rob Rickett** FAX: **229.253.1842**

**Valdosta, GA 31602** FOL Project Manager: **rob.rickett@lea-pc.com** E-MAIL: **rob.rickett@lea-pc.com**

Phone: **229.253.0900** Requested Due Date: **OR** Rush Charges May Apply

Sampled By (PRINT): **Byrce Walker** Date Sampled: **12/14/22**

Sampler Signature: *Byrce Walker* Date Sampled: **12/14/22**

GW - ground water DW - drinking water WW - wastewater  
 SW - surface water S - soil/solid SL - sludge HW - waste

ITEM NO	SAMPLE ID	DATE	TIME	MATRIX	(LAB USE ONLY) LAB NO.	NONE	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	ANALYSES REQUEST	VEHICLE SURCHARGE	PICK-UP FEE	SAMPLING FEE	COMMENTS	Total # Containers
1	WRT 1	12/14/22	9:54	SW	674-2655-1										On ice	
2	<del>WRT 2</del>	<del>12/14/22</del>	<del></del>	<del>SW</del>	<del></del>										<del>700 mg</del>	
3	MC 1	12/14/22	7:50	SW	674-2655-2										✓	
4	MC 2	12/14/22	8:06	SW											✓	
5	JG2	12/14/22	8:36	SW											✓	
6																
7																
8																
9																
10																

Relinquished By / Affiliation: *Byrce Walker* Date: **12/14/22** Time: **10:40**

**FINANCE CHARGES APPLIED TO PAST DUE INVOICES**

## Login Sample Receipt Checklist

Client: Lovell Engineering Associates

Job Number: 674-2655-1

**Login Number: 2655**

**List Number: 1**

**Creator: Briggs, Donna**

**List Source: Eurofins Madison**

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	





# ANALYTICAL REPORT

## PREPARED FOR

Attn: Robert Rickart  
Lovell Engineering Associates  
3998 Inner Perimeter Road  
Valdosta, Georgia 31602

Generated 1/5/2023 12:00:47 PM

## JOB DESCRIPTION

Lovell-LCI

## JOB NUMBER

674-2730-1

# Eurofins Madison

## Job Notes

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

## Authorization



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Authorized for release by  
David Camacho, Manager of Project Management  
[david.camacho@et.eurofinsus.com](mailto:david.camacho@et.eurofinsus.com)  
(407)339-5984



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# Definitions/Glossary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2730-1

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Case Narrative

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2730-1

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**Job ID: 674-2730-1**

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**Laboratory: Eurofins Madison**

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**Narrative**

**Job Narrative  
674-2730-1**

**Receipt**

The samples were received on 12/20/2022 11:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 6.0°C

**Biology**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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# Detection Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2730-1

## Client Sample ID: WR 2

Lab Sample ID: 674-2730-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Escherichia coli	243.0		10.0	10.0	MPN/100mL	1		9223B	Total/NA

## Client Sample ID: WR 1

Lab Sample ID: 674-2730-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Escherichia coli	110.0		10.0	10.0	MPN/100mL	1		9223B	Total/NA

## Client Sample ID: FC 0

Lab Sample ID: 674-2730-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Escherichia coli	158.0		10.0	10.0	MPN/100mL	1		9223B	Total/NA

## Client Sample ID: FC 1

Lab Sample ID: 674-2730-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Escherichia coli	52.0		10.0	10.0	MPN/100mL	1		9223B	Total/NA

## Client Sample ID: FC 2

Lab Sample ID: 674-2730-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Escherichia coli	231.0		10.0	10.0	MPN/100mL	1		9223B	Total/NA

## Client Sample ID: WR 3

Lab Sample ID: 674-2730-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Escherichia coli	31.0		10.0	10.0	MPN/100mL	1		9223B	Total/NA

## Client Sample ID: WR 4

Lab Sample ID: 674-2730-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Escherichia coli	414.0		10.0	10.0	MPN/100mL	1		9223B	Total/NA

## Client Sample ID: WR 5

Lab Sample ID: 674-2730-8

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Escherichia coli	97.0		10.0	10.0	MPN/100mL	1		9223B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Madison

# Client Sample Results

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2730-1

## Client Sample ID: WR 2

Date Collected: 12/20/22 07:55

Date Received: 12/20/22 11:00

Lab Sample ID: 674-2730-1

Matrix: Water

### Method: SM 9223B - Coliforms, Total, and E.Coll (Colilert - Quanti Tray)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	243.0		10.0	10.0	MPN/100mL			12/20/22 12:10	1

## Client Sample ID: WR 1

Date Collected: 12/20/22 08:15

Date Received: 12/20/22 11:00

Lab Sample ID: 674-2730-2

Matrix: Water

### Method: SM 9223B - Coliforms, Total, and E.Coll (Colilert - Quanti Tray)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	110.0		10.0	10.0	MPN/100mL			12/20/22 12:10	1

## Client Sample ID: FC 0

Date Collected: 12/20/22 08:33

Date Received: 12/20/22 11:00

Lab Sample ID: 674-2730-3

Matrix: Water

### Method: SM 9223B - Coliforms, Total, and E.Coll (Colilert - Quanti Tray)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	158.0		10.0	10.0	MPN/100mL			12/20/22 12:10	1

## Client Sample ID: FC 1

Date Collected: 12/20/22 08:50

Date Received: 12/20/22 11:00

Lab Sample ID: 674-2730-4

Matrix: Water

### Method: SM 9223B - Coliforms, Total, and E.Coll (Colilert - Quanti Tray)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	52.0		10.0	10.0	MPN/100mL			12/20/22 12:10	1

## Client Sample ID: FC 2

Date Collected: 12/20/22 09:08

Date Received: 12/20/22 11:00

Lab Sample ID: 674-2730-5

Matrix: Water

### Method: SM 9223B - Coliforms, Total, and E.Coll (Colilert - Quanti Tray)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	231.0		10.0	10.0	MPN/100mL			12/20/22 12:10	1

## Client Sample ID: WR 3

Date Collected: 12/20/22 09:25

Date Received: 12/20/22 11:00

Lab Sample ID: 674-2730-6

Matrix: Water

### Method: SM 9223B - Coliforms, Total, and E.Coll (Colilert - Quanti Tray)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	31.0		10.0	10.0	MPN/100mL			12/20/22 12:10	1

## Client Sample ID: WR 4

Date Collected: 12/20/22 09:48

Date Received: 12/20/22 11:00

Lab Sample ID: 674-2730-7

Matrix: Water

### Method: SM 9223B - Coliforms, Total, and E.Coll (Colilert - Quanti Tray)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	414.0		10.0	10.0	MPN/100mL			12/20/22 12:10	1

Eurofins Madison

# Client Sample Results

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2730-1

**Client Sample ID: WR 5**

**Lab Sample ID: 674-2730-8**

Date Collected: 12/20/22 10:15

Matrix: Water

Date Received: 12/20/22 11:00

**Method: SM 9223B - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	97.0		10.0	10.0	MPN/100mL			12/20/22 12:10	1

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# QC Association Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2730-1

## Biology

### Analysis Batch: 944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
674-2730-1	WR 2	Total/NA	Water	9223B	
674-2730-2	WR 1	Total/NA	Water	9223B	
674-2730-3	FC 0	Total/NA	Water	9223B	
674-2730-4	FC 1	Total/NA	Water	9223B	
674-2730-5	FC 2	Total/NA	Water	9223B	
674-2730-6	WR 3	Total/NA	Water	9223B	
674-2730-7	WR 4	Total/NA	Water	9223B	
674-2730-8	WR 5	Total/NA	Water	9223B	

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# Lab Chronicle

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2730-1

## Client Sample ID: WR 2

Date Collected: 12/20/22 07:55

Date Received: 12/20/22 11:00

Lab Sample ID: 674-2730-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	944	DB	EET MAD	12/20/22 12:10

## Client Sample ID: WR 1

Date Collected: 12/20/22 08:15

Date Received: 12/20/22 11:00

Lab Sample ID: 674-2730-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	944	DB	EET MAD	12/20/22 12:10

## Client Sample ID: FC 0

Date Collected: 12/20/22 08:33

Date Received: 12/20/22 11:00

Lab Sample ID: 674-2730-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	944	DB	EET MAD	12/20/22 12:10

## Client Sample ID: FC 1

Date Collected: 12/20/22 08:50

Date Received: 12/20/22 11:00

Lab Sample ID: 674-2730-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	944	DB	EET MAD	12/20/22 12:10

## Client Sample ID: FC 2

Date Collected: 12/20/22 09:08

Date Received: 12/20/22 11:00

Lab Sample ID: 674-2730-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	944	DB	EET MAD	12/20/22 12:10

## Client Sample ID: WR 3

Date Collected: 12/20/22 09:25

Date Received: 12/20/22 11:00

Lab Sample ID: 674-2730-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	944	DB	EET MAD	12/20/22 12:10

## Client Sample ID: WR 4

Date Collected: 12/20/22 09:48

Date Received: 12/20/22 11:00

Lab Sample ID: 674-2730-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	944	DB	EET MAD	12/20/22 12:10

# Lab Chronicle

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2730-1

**Client Sample ID: WR 5**

**Date Collected: 12/20/22 10:15**

**Date Received: 12/20/22 11:00**

**Lab Sample ID: 674-2730-8**

**Matrix: Water**

<u>Prep Type</u>	<u>Batch Type</u>	<u>Batch Method</u>	<u>Run</u>	<u>Dilution Factor</u>	<u>Batch Number</u>	<u>Analyst</u>	<u>Lab</u>	<u>Prepared or Analyzed</u>
Total/NA	Analysis	9223B		1	944	DB	EET MAD	12/20/22 12:10

**Laboratory References:**

EET MAD = Eurofins Madison, 812 S.W. Harvey Greene Drive, Madison, FL 32340, TEL (850)973-6878

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# Accreditation/Certification Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2730-1

## Laboratory: Eurofins Madison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E82405	06-30-23

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# Method Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2730-1

Method	Method Description	Protocol	Laboratory
9223B	Coliforms, Total, and E.Coll (Colilert - Quanti Tray)	SM	EET MAD

**Protocol References:**

SM = "Standard Methods For The Examination Of Water And Wastewater"

**Laboratory References:**

EET MAD = Eurofins Madison, 812 S.W. Harvey Greene Drive, Madison, FL 32340, TEL (850)973-6878



# Sample Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2730-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
674-2730-1	WR 2	Water	12/20/22 07:55	12/20/22 11:00
674-2730-2	WR 1	Water	12/20/22 08:15	12/20/22 11:00
674-2730-3	FC 0	Water	12/20/22 08:33	12/20/22 11:00
674-2730-4	FC 1	Water	12/20/22 08:50	12/20/22 11:00
674-2730-5	FC 2	Water	12/20/22 09:08	12/20/22 11:00
674-2730-6	WR 3	Water	12/20/22 09:25	12/20/22 11:00
674-2730-7	WR 4	Water	12/20/22 09:48	12/20/22 11:00
674-2730-8	WR 5	Water	12/20/22 10:15	12/20/22 11:00

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- Flowers Chemical Labs - South
- Flowers Chemical Labs - North
- Flowers Chemical Labs - Jess

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Altamonte Springs, FL 32701  
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Fax: 407-260-6110

West Park Industrial Plaza  
571 N.W. Mercantile Pl., Ste. 111  
Port St. Lucie, FL 34986  
Bus: 772-343-8006  
Fax: 772-343-8089

812 S.W. Harvey Greene Dr.  
Madison, FL 32340  
Bus: 850-973-6878  
Fax: 850-973-6878

3980 Overseas Highway, Ste. 103  
Marathon, FL 33050  
Bus: 305-743-8598  
Fax: 305-743-8598

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Client: Lovell Engineering Associates, PC  
Address: 3998 Inner Perimeter Rd, Ste C  
Valdosta, GA 31602  
Phone: 229.253.0900

Project Name: LCI  
Client Contact: Rob Rickert  
FCL Project Manager

P.O. #  
FAX: 229.253.1842  
E-MAIL: [rob.rickert@tea-pc.com](mailto:rob.rickert@tea-pc.com)

Requested Due Date: OR  
10 Day Standard  
Pick-Up Fee: \$  
Vehicle Surcharge: \$  
Sampling Fee: \$

Rush Charges May Apply

Sampled By (PRINT): *Bryce Walker*  
Sampler Signature: *Bryce Walker*  
Date Sampled: 12/20/12

GW - ground water DW - drinking water WW - wastewater  
SW - surface water S - soil/solid SL - sludge HW - waste

ITEM NO	SAMPLE ID	DATE	TIME	MATRIX	(LAB USE ONLY) LAB NO.	NONE	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HI	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	ANALYSES REQUEST	COMMENTS	Total # Containers
1	WR 2	12/20/12	7:55	SW	674-2730-1							On ice	
2	WR 1	12/20/12	8:15	SW									
3	FC 0	12/20/12	8:35	SW									
4	FC 1	12/20/12	8:50	SW									
5	FC 2	12/20/12	9:08	SW									
6	WR 3	12/20/12	9:25	SW									
7	WR 4	12/20/12	9:48	SW									
8	WR 5	12/20/12	10:15	SW									
9													
10													

Relinquished By / Affiliation: *Bryce Walker*  
Date: 12/20/12  
Time: 11:00  
Accepted By / Affiliation: *Bugs*  
Date: 12/20/12  
Time: 11:00

**FINANCE CHARGES APPLIED TO PAST DUE INVOICES**



# Login Sample Receipt Checklist

Client: Lovell Engineering Associates

Job Number: 674-2730-1

**Login Number: 2730**

**List Number: 1**

**Creator: Briggs, Donna**

**List Source: Eurofins Madison**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	





# ANALYTICAL REPORT

## PREPARED FOR

Attn: Robert Rickart  
Lovell Engineering Associates  
3998 Inner Perimeter Road  
Valdosta, Georgia 31602

Generated 12/22/2022 5:47:25 AM

## JOB DESCRIPTION

Lovell-LCI

## JOB NUMBER

674-2763-1

# Eurofins Madison

## Job Notes

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

## Authorization



Generated  
12/22/2022 5:47:25 AM

Authorized for release by  
David Camacho, Manager of Project Management  
[david.camacho@et.eurofinsus.com](mailto:david.camacho@et.eurofinsus.com)  
(407)339-5984



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## Definitions/Glossary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2763-1

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Case Narrative

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2763-1

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**Job ID: 674-2763-1**

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**Laboratory: Eurofins Madison**

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**Narrative**

**Job Narrative  
674-2763-1**

**Receipt**

The samples were received on 12/21/2022 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.0°C

**Biology**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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# Detection Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2763-1

## Client Sample ID: WRT 1

Lab Sample ID: 674-2763-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Escherichia coli	441.0		10.0	10.0	MPN/100mL	1		9223B	Total/NA

## Client Sample ID: MC 1

Lab Sample ID: 674-2763-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Escherichia coli	189.0		10.0	10.0	MPN/100mL	1		9223B	Total/NA

## Client Sample ID: MC 2

Lab Sample ID: 674-2763-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Escherichia coli	722.0		10.0	10.0	MPN/100mL	1		9223B	Total/NA

## Client Sample ID: JG 2

Lab Sample ID: 674-2763-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Escherichia coli	350.0		10.0	10.0	MPN/100mL	1		9223B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Madison

# Client Sample Results

Client: Lovell Engineering Associates  
 Project/Site: Lovell-LCI

Job ID: 674-2763-1

**Client Sample ID: WRT 1**

**Lab Sample ID: 674-2763-1**

Date Collected: 12/21/22 09:22

Matrix: Water

Date Received: 12/21/22 10:00

**Method: SM 9223B - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	441.0		10.0	10.0	MPN/100mL			12/21/22 11:00	1

**Client Sample ID: MC 1**

**Lab Sample ID: 674-2763-2**

Date Collected: 12/21/22 07:55

Matrix: Water

Date Received: 12/21/22 10:00

**Method: SM 9223B - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	189.0		10.0	10.0	MPN/100mL			12/21/22 11:00	1

**Client Sample ID: MC 2**

**Lab Sample ID: 674-2763-3**

Date Collected: 12/21/22 08:12

Matrix: Water

Date Received: 12/21/22 10:00

**Method: SM 9223B - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	722.0		10.0	10.0	MPN/100mL			12/21/22 11:00	1

**Client Sample ID: JG 2**

**Lab Sample ID: 674-2763-4**

Date Collected: 12/21/22 08:32

Matrix: Water

Date Received: 12/21/22 10:00

**Method: SM 9223B - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	350.0		10.0	10.0	MPN/100mL			12/21/22 11:00	1

# QC Association Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2763-1

## Biology

### Analysis Batch: 952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
674-2763-1	WRT 1	Total/NA	Water	9223B	
674-2763-2	MC 1	Total/NA	Water	9223B	
674-2763-3	MC 2	Total/NA	Water	9223B	
674-2763-4	JG 2	Total/NA	Water	9223B	

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# Lab Chronicle

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2763-1

## Client Sample ID: WRT 1

Date Collected: 12/21/22 09:22

Date Received: 12/21/22 10:00

Lab Sample ID: 674-2763-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	952	DB	EET MAD	12/21/22 11:00

## Client Sample ID: MC 1

Date Collected: 12/21/22 07:55

Date Received: 12/21/22 10:00

Lab Sample ID: 674-2763-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	952	DB	EET MAD	12/21/22 11:00

## Client Sample ID: MC 2

Date Collected: 12/21/22 08:12

Date Received: 12/21/22 10:00

Lab Sample ID: 674-2763-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	952	DB	EET MAD	12/21/22 11:00

## Client Sample ID: JG 2

Date Collected: 12/21/22 08:32

Date Received: 12/21/22 10:00

Lab Sample ID: 674-2763-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	952	DB	EET MAD	12/21/22 11:00

### Laboratory References:

EET MAD = Eurofins Madison, 812 S.W. Harvey Greene Drive, Madison, FL 32340, TEL (850)973-6878

# Accreditation/Certification Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2763-1

## Laboratory: Eurofins Madison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E82405	06-30-23

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# Method Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2763-1

Method	Method Description	Protocol	Laboratory
9223B	Coliforms, Total, and E.Coll (Colilert - Quanti Tray)	SM	EET MAD

**Protocol References:**

SM = "Standard Methods For The Examination Of Water And Wastewater"

**Laboratory References:**

EET MAD = Eurofins Madison, 812 S.W. Harvey Greene Drive, Madison, FL 32340, TEL (850)973-6878



# Sample Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2763-1

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
674-2763-1	WRT 1	Water	12/21/22 09:22	12/21/22 10:00
674-2763-2	MC 1	Water	12/21/22 07:55	12/21/22 10:00
674-2763-3	MC 2	Water	12/21/22 08:12	12/21/22 10:00
674-2763-4	JG 2	Water	12/21/22 08:32	12/21/22 10:00

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- Flowers Chemical Labs - North
- Flowers Chemical Labs - Texas

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Port St. Lucie, FL 34986  
Bus: 772-343-8006  
Fax: 772-343-8089

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Bus: 850-973-6878  
Fax: 850-973-6878

3980 Overseas Highway, Ste. 103  
Marathon, FL 33050  
Bus: 305-743-8598  
Fax: 305-743-8598

674-2763 Chain of Custody

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Client: Lovell Engineering Associates, PC  
Project Name: LCI  
P.O. #

Address: 3998 Inner Perimeter Rd, Ste C  
Client Contact: Rob Rickett  
FAX: 229.253.1842  
E-MAIL: [rob.rickett@lea-pc.com](mailto:rob.rickett@lea-pc.com)

Valdosta, GA 31602  
FCL Project Manager

Phone: 229.253.0900  
Requested Due Date: 10 Day Standard OR  
Rush Charges May Apply

Sampled By (PRINT): *Brbee Walker*  
Date Sampled: *12/21/22*  
Sampler Signature: *Brbee Walker*

GW - ground water DW - drinking water WW - wastewater  
SW - surface water S - soil/solid SL - sludge HW - waste

ITEM NO	SAMPLE ID	DATE	TIME	MATRIX	(LAB USE ONLY) LAB NO.	NONE	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	ANALYSES REQUESTED	COMMENTS
1	WRT 1	12/21/22	9:12	SW								On ice
2	WRT 2	12/21/22		SW								160 Avg
3	MC 1	12/21/22	7:55	SW								
4	MC 2	12/21/22	8:12	SW								
5	JG2	12/21/22	8:52	SW								
6												
7												
8												
9												
10												

Relinquished By / Affiliation: *Brbee Walker* Date: *12/21/22* Time: *10:00*  
Accepted By / Affiliation: *Don Bunge* Date: *12/21/22* Time: *10:00*

**FINANCE CHARGES APPLIED TO PAST DUE INVOICES**

## Login Sample Receipt Checklist

Client: Lovell Engineering Associates

Job Number: 674-2763-1

**Login Number: 2763**

**List Number: 1**

**Creator: Briggs, Donna**

**List Source: Eurofins Madison**

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

 **ANALYTICAL REPORT****PREPARED FOR**

Attn: Robert Rickart  
Lovell Engineering Associates  
3998 Inner Perimeter Road  
Valdosta, Georgia 31602

Generated 12/28/2022 1:26:48 PM

**JOB DESCRIPTION**

Lovell-LCI

**JOB NUMBER**

674-2802-1

# Eurofins Madison

## Job Notes

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

## Authorization



Generated  
12/28/2022 1:26:48 PM

Authorized for release by  
David Camacho, Manager of Project Management  
[david.camacho@et.eurofinsus.com](mailto:david.camacho@et.eurofinsus.com)  
(407)339-5984





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# Definitions/Glossary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2802-1

## Qualifiers

### Biology

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Case Narrative

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2802-1

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**Job ID: 674-2802-1**

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**Laboratory: Eurofins Madison**

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**Narrative**

**Job Narrative  
674-2802-1**

**Receipt**

The samples were received on 12/27/2022 10:05 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.0°C

**Biology**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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# Detection Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2802-1

## Client Sample ID: WR 2

Lab Sample ID: 674-2802-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Escherichia coli	272.0		10.0	10.0	MPN/100mL	1		9223B	Total/NA

## Client Sample ID: WR 1

Lab Sample ID: 674-2802-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Escherichia coli	327.0		10.0	10.0	MPN/100mL	1		9223B	Total/NA

## Client Sample ID: FC 0

Lab Sample ID: 674-2802-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Escherichia coli	305.0		10.0	10.0	MPN/100mL	1		9223B	Total/NA

## Client Sample ID: FC 1

Lab Sample ID: 674-2802-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Escherichia coli	1112.0		10.0	10.0	MPN/100mL	1		9223B	Total/NA

## Client Sample ID: FC 2

Lab Sample ID: 674-2802-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Escherichia coli	235.0		10.0	10.0	MPN/100mL	1		9223B	Total/NA

## Client Sample ID: WR 3

Lab Sample ID: 674-2802-6

No Detections.

## Client Sample ID: WR 4

Lab Sample ID: 674-2802-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Escherichia coli	305.0		10.0	10.0	MPN/100mL	1		9223B	Total/NA

## Client Sample ID: WR 5

Lab Sample ID: 674-2802-8

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Escherichia coli	20.0		10.0	10.0	MPN/100mL	1		9223B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Madison

# Client Sample Results

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2802-1

**Client Sample ID: WR 2**

**Lab Sample ID: 674-2802-1**

Date Collected: 12/27/22 07:28

Matrix: Water

Date Received: 12/27/22 10:05

**Method: SM 9223B - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	272.0		10.0	10.0	MPN/100mL			12/27/22 11:30	1

**Client Sample ID: WR 1**

**Lab Sample ID: 674-2802-2**

Date Collected: 12/27/22 07:45

Matrix: Water

Date Received: 12/27/22 10:05

**Method: SM 9223B - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	327.0		10.0	10.0	MPN/100mL			12/27/22 11:30	1

**Client Sample ID: FC 0**

**Lab Sample ID: 674-2802-3**

Date Collected: 12/27/22 08:05

Matrix: Water

Date Received: 12/27/22 10:05

**Method: SM 9223B - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	305.0		10.0	10.0	MPN/100mL			12/27/22 11:30	1

**Client Sample ID: FC 1**

**Lab Sample ID: 674-2802-4**

Date Collected: 12/27/22 08:16

Matrix: Water

Date Received: 12/27/22 10:05

**Method: SM 9223B - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	1112.0		10.0	10.0	MPN/100mL			12/27/22 11:30	1

**Client Sample ID: FC 2**

**Lab Sample ID: 674-2802-5**

Date Collected: 12/27/22 08:30

Matrix: Water

Date Received: 12/27/22 10:05

**Method: SM 9223B - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	235.0		10.0	10.0	MPN/100mL			12/27/22 11:30	1

**Client Sample ID: WR 3**

**Lab Sample ID: 674-2802-6**

Date Collected: 12/27/22 08:45

Matrix: Water

Date Received: 12/27/22 10:05

**Method: SM 9223B - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	10.0	U	10.0	10.0	MPN/100mL			12/27/22 11:30	1

**Client Sample ID: WR 4**

**Lab Sample ID: 674-2802-7**

Date Collected: 12/27/22 09:00

Matrix: Water

Date Received: 12/27/22 10:05

**Method: SM 9223B - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	305.0		10.0	10.0	MPN/100mL			12/27/22 11:30	1

Eurofins Madison

# Client Sample Results

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2802-1

**Client Sample ID: WR 5**

**Lab Sample ID: 674-2802-8**

Date Collected: 12/27/22 09:22

Matrix: Water

Date Received: 12/27/22 10:05

**Method: SM 9223B - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	20.0		10.0	10.0	MPN/100mL			12/27/22 11:30	1

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# QC Association Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2802-1

## Biology

### Analysis Batch: 972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
674-2802-1	WR 2	Total/NA	Water	9223B	
674-2802-2	WR 1	Total/NA	Water	9223B	
674-2802-3	FC 0	Total/NA	Water	9223B	
674-2802-4	FC 1	Total/NA	Water	9223B	
674-2802-5	FC 2	Total/NA	Water	9223B	
674-2802-6	WR 3	Total/NA	Water	9223B	
674-2802-7	WR 4	Total/NA	Water	9223B	
674-2802-8	WR 5	Total/NA	Water	9223B	

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# Lab Chronicle

Client: Lovell Engineering Associates  
 Project/Site: Lovell-LCI

Job ID: 674-2802-1

**Client Sample ID: WR 2**

Date Collected: 12/27/22 07:28

Date Received: 12/27/22 10:05

**Lab Sample ID: 674-2802-1**

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	972	DB	EET MAD	12/27/22 11:30

**Client Sample ID: WR 1**

Date Collected: 12/27/22 07:45

Date Received: 12/27/22 10:05

**Lab Sample ID: 674-2802-2**

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	972	DB	EET MAD	12/27/22 11:30

**Client Sample ID: FC 0**

Date Collected: 12/27/22 08:05

Date Received: 12/27/22 10:05

**Lab Sample ID: 674-2802-3**

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	972	DB	EET MAD	12/27/22 11:30

**Client Sample ID: FC 1**

Date Collected: 12/27/22 08:16

Date Received: 12/27/22 10:05

**Lab Sample ID: 674-2802-4**

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	972	DB	EET MAD	12/27/22 11:30

**Client Sample ID: FC 2**

Date Collected: 12/27/22 08:30

Date Received: 12/27/22 10:05

**Lab Sample ID: 674-2802-5**

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	972	DB	EET MAD	12/27/22 11:30

**Client Sample ID: WR 3**

Date Collected: 12/27/22 08:45

Date Received: 12/27/22 10:05

**Lab Sample ID: 674-2802-6**

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	972	DB	EET MAD	12/27/22 11:30

**Client Sample ID: WR 4**

Date Collected: 12/27/22 09:00

Date Received: 12/27/22 10:05

**Lab Sample ID: 674-2802-7**

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	972	DB	EET MAD	12/27/22 11:30



# Lab Chronicle

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2802-1

**Client Sample ID: WR 5**

**Lab Sample ID: 674-2802-8**

**Date Collected: 12/27/22 09:22**

**Matrix: Water**

**Date Received: 12/27/22 10:05**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	972	DB	EET MAD	12/27/22 11:30

**Laboratory References:**

EET MAD = Eurofins Madison, 812 S.W. Harvey Greene Drive, Madison, FL 32340, TEL (850)973-6878

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# Accreditation/Certification Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2802-1

## Laboratory: Eurofins Madison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E82405	06-30-23

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# Method Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2802-1

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Method	Method Description	Protocol	Laboratory
9223B	Coliforms, Total, and E.Coll (Colilert - Quanti Tray)	SM	EET MAD

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**Protocol References:**

SM = "Standard Methods For The Examination Of Water And Wastewater"

**Laboratory References:**

EET MAD = Eurofins Madison, 812 S.W. Harvey Greene Drive, Madison, FL 32340, TEL (850)973-6878



# Sample Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2802-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
674-2802-1	WR 2	Water	12/27/22 07:28	12/27/22 10:05
674-2802-2	WR 1	Water	12/27/22 07:45	12/27/22 10:05
674-2802-3	FC 0	Water	12/27/22 08:05	12/27/22 10:05
674-2802-4	FC 1	Water	12/27/22 08:16	12/27/22 10:05
674-2802-5	FC 2	Water	12/27/22 08:30	12/27/22 10:05
674-2802-6	WR 3	Water	12/27/22 08:45	12/27/22 10:05
674-2802-7	WR 4	Water	12/27/22 09:00	12/27/22 10:05
674-2802-8	WR 5	Water	12/27/22 09:22	12/27/22 10:05

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**Check Box That Applies To Your Location**

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Bus: 772-343-8006  
Fax: 772-343-8089

812 S.W. Harvey Greene Dr.  
Madison, FL 32340  
Bus: 850-973-6878  
Fax: 850-973-6878

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Fax: 305-743-8598



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Client: Lovell Engineering Associates, PC  
Address: 3998 Inner Perimeter Rd, Ste C  
Valdosta, GA 31602  
Phone: 229.253.0900

Project Name: LCI  
Client Contact: Rob Rickert  
FCL Project Manager

P.O. #

Requested Due Date: 10 Day Standard  
OR

Vehicle Surcharge: \$  
Sampling Fee: \$

Rush Charges May Apply

E-MAIL: [rob.rickert@lea-pc.com](mailto:rob.rickert@lea-pc.com)

FAX: 229.253.1842

Sampled By (PRINT): *Bryce Walker*  
Sampler Signature: *Bryce Walker*  
Date Sampled: *12/27/22*

GW - ground water DW - drinking water WW - wastewater  
SW - surface water S - soil/solid SL - sludge HW - waste

ITEM NO	SAMPLE ID	DATE	TIME	MATRIX	(LAB USE ONLY) LAB NO.	NO <sub>2</sub>	NO <sub>3</sub>	NO <sub>3</sub>	HCl	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	ANALYSES REQUEST	COMMENTS	Total # Containers
1	WR 2	12/27/22	9:28	SW	674-2802-1							On ice	
2	WR 1	12/27/22	8:45	SW									
3	FC 0	12/27/22	8:05	SW									
4	FC 1	12/27/22	8:16	SW									
5	FC 2	12/27/22	8:30	SW									
6	WR 3	12/27/22	8:45	SW									
7	WR 4	12/27/22	9:00	SW									
8	WR 5	12/27/22	9:22	SW									
9													
10													

**FINANCE CHARGES APPLIED TO PAST DUE INVOICES**

Relinquished By / Affiliation: *Bryce Walker* Date: *12/27/22* Time: *10:05*  
Accepted By / Affiliation: *Rob Rickert* Date: *12/27/22* Time: *10:05*

## Login Sample Receipt Checklist

Client: Lovell Engineering Associates

Job Number: 674-2802-1

**Login Number: 2802**

**List Number: 1**

**Creator: Briggs, Donna**

**List Source: Eurofins Madison**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	



 **ANALYTICAL REPORT****PREPARED FOR**

Attn: Robert Rickart  
Lovell Engineering Associates  
3998 Inner Perimeter Road  
Valdosta, Georgia 31602

Generated 12/29/2022 6:07:20 AM

**JOB DESCRIPTION**

Lovell-LCI

**JOB NUMBER**

674-2821-1

# Eurofins Madison

## Job Notes

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

## Authorization



Generated  
12/29/2022 6:07:20 AM

Authorized for release by  
David Camacho, Manager of Project Management  
[david.camacho@et.eurofinsus.com](mailto:david.camacho@et.eurofinsus.com)  
(407)339-5984





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## Definitions/Glossary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2821-1

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Case Narrative

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2821-1

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**Job ID: 674-2821-1**

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**Laboratory: Eurofins Madison**

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**Narrative**

**Job Narrative  
674-2821-1**

**Receipt**

The samples were received on 12/28/2022 9:11 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 9.0°C

**Biology**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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# Detection Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2821-1

## Client Sample ID: WRT 1

Lab Sample ID: 674-2821-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Escherichia coli	556.0		10.0	10.0	MPN/100mL	1		9223B	Total/NA

## Client Sample ID: MC 1

Lab Sample ID: 674-2821-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Escherichia coli	185.0		10.0	10.0	MPN/100mL	1		9223B	Total/NA

## Client Sample ID: MC 2

Lab Sample ID: 674-2821-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Escherichia coli	373.0		10.0	10.0	MPN/100mL	1		9223B	Total/NA

## Client Sample ID: JG 2

Lab Sample ID: 674-2821-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Escherichia coli	798.0		10.0	10.0	MPN/100mL	1		9223B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Madison

# Client Sample Results

Client: Lovell Engineering Associates  
 Project/Site: Lovell-LCI

Job ID: 674-2821-1

**Client Sample ID: WRT 1**

**Lab Sample ID: 674-2821-1**

Date Collected: 12/28/22 08:35

Matrix: Water

Date Received: 12/28/22 09:11

**Method: SM 9223B - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	556.0		10.0	10.0	MPN/100mL			12/28/22 11:00	1

**Client Sample ID: MC 1**

**Lab Sample ID: 674-2821-2**

Date Collected: 12/28/22 07:32

Matrix: Water

Date Received: 12/28/22 09:11

**Method: SM 9223B - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	185.0		10.0	10.0	MPN/100mL			12/28/22 11:00	1

**Client Sample ID: MC 2**

**Lab Sample ID: 674-2821-3**

Date Collected: 12/28/22 07:50

Matrix: Water

Date Received: 12/28/22 09:11

**Method: SM 9223B - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	373.0		10.0	10.0	MPN/100mL			12/28/22 11:00	1

**Client Sample ID: JG 2**

**Lab Sample ID: 674-2821-4**

Date Collected: 12/28/22 08:15

Matrix: Water

Date Received: 12/28/22 09:11

**Method: SM 9223B - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	798.0		10.0	10.0	MPN/100mL			12/28/22 11:00	1

# QC Association Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2821-1

## Biology

### Analysis Batch: 985

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
674-2821-1	WRT 1	Total/NA	Water	9223B	
674-2821-2	MC 1	Total/NA	Water	9223B	
674-2821-3	MC 2	Total/NA	Water	9223B	
674-2821-4	JG 2	Total/NA	Water	9223B	

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# Lab Chronicle

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2821-1

## Client Sample ID: WRT 1

Date Collected: 12/28/22 08:35

Date Received: 12/28/22 09:11

Lab Sample ID: 674-2821-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	985	DB	EET MAD	12/28/22 11:00

## Client Sample ID: MC 1

Date Collected: 12/28/22 07:32

Date Received: 12/28/22 09:11

Lab Sample ID: 674-2821-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	985	DB	EET MAD	12/28/22 11:00

## Client Sample ID: MC 2

Date Collected: 12/28/22 07:50

Date Received: 12/28/22 09:11

Lab Sample ID: 674-2821-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	985	DB	EET MAD	12/28/22 11:00

## Client Sample ID: JG 2

Date Collected: 12/28/22 08:15

Date Received: 12/28/22 09:11

Lab Sample ID: 674-2821-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	985	DB	EET MAD	12/28/22 11:00

### Laboratory References:

EET MAD = Eurofins Madison, 812 S.W. Harvey Greene Drive, Madison, FL 32340, TEL (850)973-6878

# Accreditation/Certification Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2821-1

## Laboratory: Eurofins Madison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E82405	06-30-23

1

2

3

4

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12

13



# Method Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2821-1

Method	Method Description	Protocol	Laboratory
9223B	Coliforms, Total, and E.Coll (Colilert - Quanti Tray)	SM	EET MAD

**Protocol References:**

SM = "Standard Methods For The Examination Of Water And Wastewater"

**Laboratory References:**

EET MAD = Eurofins Madison, 812 S.W. Harvey Greene Drive, Madison, FL 32340, TEL (850)973-6878



# Sample Summary

Client: Lovell Engineering Associates  
Project/Site: Lovell-LCI

Job ID: 674-2821-1

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
674-2821-1	WRT 1	Water	12/28/22 08:35	12/28/22 09:11
674-2821-2	MC 1	Water	12/28/22 07:32	12/28/22 09:11
674-2821-3	MC 2	Water	12/28/22 07:50	12/28/22 09:11
674-2821-4	JG 2	Water	12/28/22 08:15	12/28/22 09:11

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- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

Check Box That Applies To Your Location

Flowers Chemical Laboratories, Inc.  Flowers Chemical Labs-South  Flowers Chemical Labs-North

481 Newburyport Ave.  
Allamonte Springs, FL 32701  
Bus: 407-339-5984  
Fax: 407-260-6110

West Park Industrial Plaza  
571 N.W. Mercantile Pl., Ste. 111  
Port St. Lucie, FL 34986  
Bus: 772-343-8006  
Fax: 772-343-8089

812 S.W. Harvey Greene Dr.  
Madison, FL 32340  
Bus: 850-973-6878  
Fax: 850-973-6878

Flowers Chemical Labs-Fla

3980 Overseas Highway, S  
Marathon, FL 33050  
Bus: 305-743-8598  
Fax: 305-743-8598



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Client: Lovell Engineering Associates, PC  
Project Name: LCI  
P.O. #

Address: 3998 Inner Perimeter Rd, Ste C  
Client Contact: Rob Rickett  
FAX: 229.253.1842  
E-MAIL: [rob.rickett@lea-pc.com](mailto:rob.rickett@lea-pc.com)

Valdosta, GA 31602  
FCL Project Manager

Phone: 229-253-0900  
Requested Due Date: 10 Day Standard OR  
Fusin Charges May Apply

Sampled By (PRINT): *Byrneville*  
Date Sampled: 12/29/22  
Sampler Signature: *Byrneville*

GW - ground water DW - drinking water WW - wastewater  
SW - surface water S - soil/solid SL - sludge HW - waste

ITEM NO	SAMPLE ID	DATE	TIME	MATRIX	(LAB USE ONLY) LAB NO.	NONE	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	ANALYSES REQUEST	VEHICLE SURCHARGE	SAMPLING FEE	COMMENTS	Total # Containers
1	WRT 1	12/28/22	5:35	SW	674-2821-1						E.coli			On ice	
2	WRT 2			SW											
3	MC 1	12/28/22	7:39	SW											
4	MC 2	12/28/22	7:50	SW											
5	JG2	12/28/22	8:15	SW											
6															
7															
8															
9															
10															

Relinquished By / Affiliation: *Byrneville* Date: 12/28/22 Time: 9:11  
Accepted By / Affiliation: *Byrneville* Date: 12/28/22 Time: 0911

**FINANCE CHARGES APPLIED TO PAST DUE INVOICES**

## Login Sample Receipt Checklist

Client: Lovell Engineering Associates

Job Number: 674-2821-1

**Login Number: 2821**

**List Number: 1**

**Creator: Briggs, Donna**

**List Source: Eurofins Madison**

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	