

Laboratory Results

Lee County Environmental Laboratory

60-2 Danley Drive
Fort Myers, FL 33907
239-533-8600



To: Natural Resources Management
1500 Monroe St
Fort Myers FL 33901
RE: Tidal Caloosa

Report Date: 9/2/2022

Below are the results of samples submitted to this laboratory on 8/23/2022

Laboratory ID	AF32777	Collection date and time	8/23/2022 12:15 PM
Location Code	CRNEP_RS	Sample Collector	REISTAD/JAEGER
Sample Description	Grid #469		

Analyte Name	Result	Qualifier	Units	MDL	PQL	Analysis Date	Analysis Time	Analysis Method
Chlorophyll a - corrected for Pheophytin	20.25		mg/M3	0.5	2.0	8/26/2022	7:20 AM	SM21 10200 H
Pheophytin	3.21		mg/M3	0.5	2.0	8/26/2022	7:20 AM	SM21 10200 H
Dissolved Oxygen % Saturation by Client	86.4		%	0.1		8/23/2022	12:15 PM	FDEP FT1500
Biochemical Oxygen Demand 5 day	2.6	J3	mg/L	0.3	1.2	8/24/2022	11:15 AM	SM 5210 B
Color	68.6		CU	1.25	5.00	8/24/2022	9:40 AM	SM21 2120 C
Specific Conductance, By Client	925		µmhos/cm			8/23/2022	12:15 PM	FDEP FT1200
Oxygen, Dissolved, Electrode, by Client	6.31		mg/L			8/23/2022	12:15 PM	FDEP FT1500
Enterococci	10		MPN/100mL	10		8/23/2022	2:36 PM	Enterolert®
Ammonia	0.014	U	mg/L as N	0.014	0.056	8/26/2022	8:51 AM	EPA 350.1
Nitrite	0.003	I	mg/L as N	0.003	0.012	8/24/2022	11:42 AM	EPA 353.2
Nitrate	0.010	U	mg/L as N	0.01	0.04	8/24/2022	11:42 AM	EPA 353.2
Nitrate + Nitrite	0.010	U	mg/L as N	0.01	0.04	8/24/2022	11:42 AM	EPA 353.2
Nitrogen, Organic	0.98		mg/L as N	0.10	0.4	8/30/2022	8:56 AM	TKN - NH3
Phosphorus, Ortho	0.065		mg/L as P	0.005	0.020	8/23/2022	4:55 PM	EPA 365.1
pH, Field (electrometric) by Client	7.96		units			8/23/2022	12:15 PM	FDEP FT1100
Salinity by meter by Client	0.45		SU			8/23/2022	12:15 PM	FDEP FT 1300
Water Clarity Secchi Disk, by Client	0.75		meters			8/23/2022	12:15 PM	FDEP FT 1700
Silica, dissolved as SiO2	9.6		mg/L as SiO2	0.1	0.4	8/23/2022	3:08 PM	SM4500-SiO2 C
Depth of Water Body	2.5		Meters			8/23/2022	12:15 PM	FS2100
Field Temperature by client	31.6		°C			8/23/2022	12:15 PM	FDEP FT1400
Nitrogen, Kjeldahl, Total	0.98		mg/L as N	0.10	0.4	8/30/2022	8:56 AM	EPA 351.2
Nitrogen, Total	0.98		mg/L as N	0.10	0.4	8/30/2022	8:56 AM	TKN + NOX
Total Organic Carbon (NPOC)	17		mg/L	1	4	8/25/2022	3:55 PM	SM 5310 B

Report Format: NELAC

DOH #E45049



Laboratory ID	AF32777	Collection date and time	8/23/2022 12:15 PM
Location Code	CRNEP_RS	Sample Collector	REISTAD/JAEGER
Sample Description	Grid #469		

Analyte Name	Result	Qualifier	Units	MDL	PQL	Analysis Date	Analysis Time	Analysis Method
Phosphorus, Total	0.13		mg/L as P	0.006	0.024	8/30/2022	8:58 AM	EPA 365.1
Total Suspended Solids	5.05		mg/L	0.6	2.4	8/24/2022	8:09 AM	SM 2540 D
Turbidity (Nephelometric)	4.47		NTU	0.2	0.8	8/24/2022	7:49 AM	EPA 180.1

Laboratory ID	AF32778	Collection date and time	8/23/2022 11:35 AM
Location Code	CRNEP_RS	Sample Collector	REISTAD/JAEGER
Sample Description	Grid #448		

Analyte Name	Result	Qualifier	Units	MDL	PQL	Analysis Date	Analysis Time	Analysis Method
Chlorophyll a - corrected for Pheophytin	7.60		mg/M3	0.5	2.0	8/26/2022	7:20 AM	SM21 10200 H
Pheophytin	0.50	U	mg/M3	0.5	2.0	8/26/2022	7:20 AM	SM21 10200 H
Dissolved Oxygen % Saturation by Client	89.3		%	0.1		8/23/2022	11:35 AM	FDEP FT1500
Biochemical Oxygen Demand 5 day	1.8	J3	mg/L	0.3	1.2	8/24/2022	11:15 AM	SM 5210 B
Color	58.4		CU	1.25	5.00	8/24/2022	9:40 AM	SM21 2120 C
Specific Conductance, By Client	6445		µmhos/cm			8/23/2022	11:35 AM	FDEP FT1200
Oxygen, Dissolved, Electrode, by Client	6.47		mg/L			8/23/2022	11:35 AM	FDEP FT1500
Enterococci	10		MPN/100mL	10		8/23/2022	2:36 PM	Enterolert®
Ammonia	0.020	I	mg/L as N	0.014	0.056	8/26/2022	8:51 AM	EPA 350.1
Nitrite	0.004	I	mg/L as N	0.003	0.012	8/24/2022	11:42 AM	EPA 353.2
Nitrate	0.010	U	mg/L as N	0.01	0.04	8/24/2022	11:42 AM	EPA 353.2
Nitrate + Nitrite	0.010	I	mg/L as N	0.01	0.04	8/24/2022	11:42 AM	EPA 353.2
Nitrogen, Organic	0.79		mg/L as N	0.10	0.4	8/30/2022	8:56 AM	TKN - NH3
Phosphorus, Ortho	0.080		mg/L as P	0.005	0.020	8/23/2022	4:55 PM	EPA 365.1
pH, Field (electrometric) by Client	7.96		units			8/23/2022	11:35 AM	FDEP FT1100
Salinity by meter by Client	3.48		SU			8/23/2022	11:35 AM	FDEP FT 1300
Water Clarity Secchi Disk, by Client	0.8	S	meters			8/23/2022	11:35 AM	FDEP FT 1700
Silica, dissolved as SiO2	6.6		mg/L as SiO2	0.1	0.4	8/23/2022	3:08 PM	SM4500-SiO2 C
Depth of Water Body	0.8		Meters			8/23/2022	11:35 AM	FS2100
Field Temperature by client	31.3		°C			8/23/2022	11:35 AM	FDEP FT1400
Nitrogen, Kjeldahl, Total	0.81		mg/L as N	0.10	0.4	8/30/2022	8:56 AM	EPA 351.2
Nitrogen, Total	0.82		mg/L as N	0.10	0.4	8/30/2022	8:56 AM	TKN + NOX
Total Organic Carbon (NPOC)	14		mg/L	1	4	8/25/2022	3:55 PM	SM 5310 B
Phosphorus, Total	0.15		mg/L as P	0.006	0.024	8/30/2022	8:58 AM	EPA 365.1
Total Suspended Solids	0.750	I	mg/L	0.6	2.4	8/24/2022	8:09 AM	SM 2540 D
Turbidity (Nephelometric)	1.65		NTU	0.2	0.8	8/24/2022	7:49 AM	EPA 180.1



Laboratory ID	AF32779	Collection date and time	8/23/2022 9:10 AM
Location Code	CRNEP_RS	Sample Collector	REISTAD/JAEGER
Sample Description	Grid #394		

Analyte Name	Result	Qualifier	Units	MDL	PQL	Analysis Date	Analysis Time	Analysis Method
Chlorophyll a - corrected for Pheophytin	0.66	I	mg/M3	0.5	2.0	8/26/2022	7:20 AM	SM21 10200 H
Pheophytin	3.03		mg/M3	0.5	2.0	8/26/2022	7:20 AM	SM21 10200 H
Dissolved Oxygen % Saturation by Client	85.7		%	0.1		8/23/2022	9:10 AM	FDEP FT1500
Biochemical Oxygen Demand 5 day	1.3	J3	mg/L	0.3	1.2	8/24/2022	11:15 AM	SM 5210 B
Color	31.5		CU	1.25	5.00	8/24/2022	9:40 AM	SM21 2120 C
Specific Conductance, By Client	28146		µmhos/cm			8/23/2022	9:10 AM	FDEP FT1200
Oxygen, Dissolved, Electrode, by Client	5.76		mg/L			8/23/2022	9:10 AM	FDEP FT1500
Enterococci	10	U	MPN/100mL	10		8/23/2022	2:36 PM	Enterolert®
Ammonia	0.014	U	mg/L as N	0.014	0.056	8/26/2022	8:51 AM	EPA 350.1
Nitrite	0.003	I	mg/L as N	0.003	0.012	8/24/2022	11:42 AM	EPA 353.2
Nitrate	0.010	U	mg/L as N	0.01	0.04	8/24/2022	11:42 AM	EPA 353.2
Nitrate + Nitrite	0.010	I	mg/L as N	0.01	0.04	8/24/2022	11:42 AM	EPA 353.2
Nitrogen, Organic	0.86		mg/L as N	0.10	0.4	8/30/2022	8:56 AM	TKN - NH3
Phosphorus, Ortho	0.046		mg/L as P	0.005	0.020	8/23/2022	4:55 PM	EPA 365.1
pH, Field (electrometric) by Client	7.86		units			8/23/2022	9:10 AM	FDEP FT1100
Salinity by meter by Client	17.19		SU			8/23/2022	9:10 AM	FDEP FT 1300
Water Clarity Secchi Disk, by Client	2.85		meters			8/23/2022	9:10 AM	FDEP FT 1700
Silica, dissolved as SiO2	2.0		mg/L as SiO2	0.1	0.4	8/23/2022	3:08 PM	SM4500-SiO2 C
Depth of Water Body	3.5		Meters			8/23/2022	9:10 AM	FS2100
Field Temperature by client	31.4		°C			8/23/2022	9:10 AM	FDEP FT1400
Nitrogen, Kjeldahl, Total	0.86		mg/L as N	0.10	0.4	8/30/2022	8:56 AM	EPA 351.2
Nitrogen, Total	0.87		mg/L as N	0.10	0.4	8/30/2022	8:56 AM	TKN + NOX
Total Organic Carbon (NPOC)	9.2		mg/L	1	4	8/25/2022	3:55 PM	SM 5310 B
Phosphorus, Total	0.077		mg/L as P	0.006	0.024	8/30/2022	8:58 AM	EPA 365.1
Total Suspended Solids	1.20	I	mg/L	0.6	2.4	8/24/2022	8:09 AM	SM 2540 D
Turbidity (Nephelometric)	0.873		NTU	0.2	0.8	8/24/2022	7:49 AM	EPA 180.1

Laboratory ID	AF32780	Collection date and time	8/23/2022 9:25 AM
Location Code	CRNEP_RSBOT	Sample Collector	REISTAD/JAEGER
Sample Description	Grid #394 Bottom		

Analyte Name	Result	Qualifier	Units	MDL	PQL	Analysis Date	Analysis Time	Analysis Method
Chlorophyll a - corrected for Pheophytin	2.90		mg/M3	0.5	2.0	8/26/2022	7:20 AM	SM21 10200 H
Pheophytin	3.31		mg/M3	0.5	2.0	8/26/2022	7:20 AM	SM21 10200 H
Dissolved Oxygen % Saturation by Client	65.2		%	0.1		8/23/2022	9:25 AM	FDEP FT1500
Biochemical Oxygen Demand 5 day	1.1	I J3	mg/L	0.3	1.2	8/24/2022	11:15 AM	SM 5210 B

Report Format: NELAC

DOH #E45049



Laboratory ID	AF32780	Collection date and time	8/23/2022 9:25 AM
Location Code	CRNEP_RSBOT	Sample Collector	REISTAD/JAEGER
Sample Description	Grid #394 Bottom		

Analyte Name	Result	Qualifier	Units	MDL	PQL	Analysis Date	Analysis Time	Analysis Method
Color	21.2		CU	1.25	5.00	8/24/2022	9:40 AM	SM21 2120 C
Specific Conductance, By Client	35704		µmhos/cm			8/23/2022	9:25 AM	FDEP FT1200
Oxygen, Dissolved, Electrode, by Client	4.22		mg/L			8/23/2022	9:25 AM	FDEP FT1500
Enterococci	10	U	MPN/100mL	10		8/23/2022	2:36 PM	Enterolert®
Ammonia	0.014	U	mg/L as N	0.014	0.056	8/26/2022	8:51 AM	EPA 350.1
Nitrite	0.003	I	mg/L as N	0.003	0.012	8/24/2022	11:42 AM	EPA 353.2
Nitrate	0.010	U	mg/L as N	0.01	0.04	8/24/2022	11:42 AM	EPA 353.2
Nitrate + Nitrite	0.010	U	mg/L as N	0.01	0.04	8/24/2022	11:42 AM	EPA 353.2
Nitrogen, Organic	0.91		mg/L as N	0.10	0.4	8/30/2022	8:56 AM	TKN - NH3
Phosphorus, Ortho	0.034		mg/L as P	0.005	0.020	8/23/2022	4:55 PM	EPA 365.1
pH, Field (electrometric) by Client	7.85		units			8/23/2022	9:25 AM	FDEP FT1100
Salinity by meter by Client	22.33		SU			8/23/2022	9:25 AM	FDEP FT 1300
Silica, dissolved as SiO2	1.6		mg/L as SiO2	0.1	0.4	8/23/2022	3:08 PM	SM4500-SiO2 C
Depth of Water Body	3.5		Meters			8/23/2022	9:25 AM	FS2100
Field Temperature by client	32.0		°C			8/23/2022	9:25 AM	FDEP FT1400
Nitrogen, Kjeldahl, Total	0.91		mg/L as N	0.10	0.4	8/30/2022	8:56 AM	EPA 351.2
Nitrogen, Total	0.91		mg/L as N	0.10	0.4	8/30/2022	8:56 AM	TKN + NOX
Total Organic Carbon (NPOC)	7.3		mg/L	1	4	8/25/2022	3:55 PM	SM 5310 B
Phosphorus, Total	0.076		mg/L as P	0.006	0.024	8/30/2022	8:58 AM	EPA 365.1
Total Suspended Solids	9.50		mg/L	0.6	2.4	8/24/2022	8:09 AM	SM 2540 D
Turbidity (Nephelometric)	4.33		NTU	0.2	0.8	8/24/2022	7:49 AM	EPA 180.1

Laboratory ID	AF32781	Collection date and time	8/23/2022 10:05 AM
Location Code	CRNEP_RS	Sample Collector	REISTAD/JAEGER
Sample Description	Grid #424		

Analyte Name	Result	Qualifier	Units	MDL	PQL	Analysis Date	Analysis Time	Analysis Method
Chlorophyll a - corrected for Pheophytin	0.92	I	mg/M3	0.5	2.0	8/26/2022	7:20 AM	SM21 10200 H
Pheophytin	3.04		mg/M3	0.5	2.0	8/26/2022	7:20 AM	SM21 10200 H
Dissolved Oxygen % Saturation by Client	88.4		%	0.1		8/23/2022	10:05 AM	FDEP FT1500
Biochemical Oxygen Demand 5 day	0.9	I J3	mg/L	0.3	1.2	8/24/2022	11:15 AM	SM 5210 B
Color	49.8		CU	1.25	5.00	8/24/2022	9:40 AM	SM21 2120 C
Specific Conductance, By Client	12543		µmhos/cm			8/23/2022	10:05 AM	FDEP FT1200
Oxygen, Dissolved, Electrode, by Client	6.34		mg/L			8/23/2022	10:05 AM	FDEP FT1500
Enterococci	10	U	MPN/100mL	10		8/23/2022	2:36 PM	Enterolert®
Ammonia	0.014	U	mg/L as N	0.014	0.056	8/26/2022	8:51 AM	EPA 350.1

Report Format: NELAC

DOH #E45049



Laboratory ID	AF32781	Collection date and time	8/23/2022 10:05 AM
Location Code	CRNEP_RS	Sample Collector	REISTAD/JAEGER
Sample Description	Grid #424		

Analyte Name	Result	Qualifier	Units	MDL	PQL	Analysis Date	Analysis Time	Analysis Method
Nitrite	0.003	I	mg/L as N	0.003	0.012	8/24/2022	11:42 AM	EPA 353.2
Nitrate	0.010	U	mg/L as N	0.01	0.04	8/24/2022	11:42 AM	EPA 353.2
Nitrate + Nitrite	0.010	U	mg/L as N	0.01	0.04	8/24/2022	11:42 AM	EPA 353.2
Nitrogen, Organic	0.77		mg/L as N	0.10	0.4	8/30/2022	8:56 AM	TKN - NH3
Phosphorus, Ortho	0.075		mg/L as P	0.005	0.020	8/23/2022	4:55 PM	EPA 365.1
pH, Field (electrometric) by Client	8.04		units			8/23/2022	10:05 AM	FDEP FT1100
Salinity by meter by Client	7.12		SU			8/23/2022	10:05 AM	FDEP FT 1300
Water Clarity Secchi Disk, by Client	1.75		meters			8/23/2022	10:05 AM	FDEP FT 1700
Silica, dissolved as SiO2	4.8		mg/L as SiO2	0.1	0.4	8/23/2022	3:08 PM	SM4500-SiO2 C
Depth of Water Body	3.7		Meters			8/23/2022	10:05 AM	FS2100
Field Temperature by client	30.8		°C			8/23/2022	10:05 AM	FDEP FT1400
Nitrogen, Kjeldahl, Total	0.77		mg/L as N	0.10	0.4	8/30/2022	8:56 AM	EPA 351.2
Nitrogen, Total	0.77		mg/L as N	0.10	0.4	8/30/2022	8:56 AM	TKN + NOX
Total Organic Carbon (NPOC)	13		mg/L	1	4	8/25/2022	3:55 PM	SM 5310 B
Phosphorus, Total	0.12		mg/L as P	0.006	0.024	8/30/2022	8:58 AM	EPA 365.1
Total Suspended Solids	1.25	I	mg/L	0.6	2.4	8/24/2022	8:09 AM	SM 2540 D
Turbidity (Nephelometric)	1.44		NTU	0.2	0.8	8/24/2022	7:49 AM	EPA 180.1

Laboratory ID	AF32782	Collection date and time	8/23/2022 10:20 AM
Location Code	CRNEP_RSBOT	Sample Collector	REISTAD/JAEGER
Sample Description	Grid #424 Bottom		

Analyte Name	Result	Qualifier	Units	MDL	PQL	Analysis Date	Analysis Time	Analysis Method
Chlorophyll a - corrected for Pheophytin	0.50	U	mg/M3	0.5	2.0	8/26/2022	7:20 AM	SM21 10200 H
Pheophytin	4.17		mg/M3	0.5	2.0	8/26/2022	7:20 AM	SM21 10200 H
Dissolved Oxygen % Saturation by Client	64.3		%	0.1		8/23/2022	10:20 AM	FDEP FT1500
Biochemical Oxygen Demand 5 day	0.8	I J3	mg/L	0.3	1.2	8/24/2022	11:15 AM	SM 5210 B
Color	33.6		CU	1.25	5.00	8/24/2022	9:40 AM	SM21 2120 C
Specific Conductance, By Client	24582		µmhos/cm			8/23/2022	10:20 AM	FDEP FT1200
Oxygen, Dissolved, Electrode, by Client	4.32		mg/L			8/23/2022	10:20 AM	FDEP FT1500
Enterococci	10	U	MPN/100mL	10		8/23/2022	2:36 PM	Enterolert®
Ammonia	0.014	U	mg/L as N	0.014	0.056	8/26/2022	8:51 AM	EPA 350.1
Nitrite	0.004	I	mg/L as N	0.003	0.012	8/24/2022	11:42 AM	EPA 353.2
Nitrate	0.011	I	mg/L as N	0.01	0.04	8/24/2022	11:42 AM	EPA 353.2
Nitrate + Nitrite	0.015	I	mg/L as N	0.01	0.04	8/24/2022	11:42 AM	EPA 353.2
Nitrogen, Organic	0.87		mg/L as N	0.10	0.4	8/30/2022	8:56 AM	TKN - NH3

Report Format: NELAC

DOH #E45049



Laboratory ID	AF32782	Collection date and time	8/23/2022 10:20 AM
Location Code	CRNEP_RSBOT	Sample Collector	REISTAD/JAEGER
Sample Description	Grid #424 Bottom		

Analyte Name	Result	Qualifier	Units	MDL	PQL	Analysis Date	Analysis Time	Analysis Method
Phosphorus, Ortho	0.065		mg/L as P	0.005	0.020	8/23/2022	4:55 PM	EPA 365.1
pH, Field (electrometric) by Client	7.8		units			8/23/2022	10:20 AM	FDEP FT1100
Salinity by meter by Client	14.80		SU			8/23/2022	10:20 AM	FDEP FT 1300
Silica, dissolved as SiO2	3.3		mg/L as SiO2	0.1	0.4	8/23/2022	3:08 PM	SM4500-SiO2 C
Depth of Water Body	3.7		Meters			8/23/2022	10:20 AM	FS2100
Field Temperature by client	32.2		°C			8/23/2022	10:20 AM	FDEP FT1400
Nitrogen, Kjeldahl, Total	0.87		mg/L as N	0.10	0.4	8/30/2022	8:56 AM	EPA 351.2
Nitrogen, Total	0.89		mg/L as N	0.10	0.4	8/30/2022	8:56 AM	TKN + NOX
Total Organic Carbon (NPOC)	9.9		mg/L	1	4	8/25/2022	3:55 PM	SM 5310 B
Phosphorus, Total	0.11		mg/L as P	0.006	0.024	8/30/2022	8:58 AM	EPA 365.1
Total Suspended Solids	5.35		mg/L	0.6	2.4	8/24/2022	8:09 AM	SM 2540 D
Turbidity (Nephelometric)	3.20		NTU	0.2	0.8	8/24/2022	7:49 AM	EPA 180.1

Laboratory ID	AF32783	Collection date and time	8/23/2022 10:55 AM
Location Code	CRNEP_RS	Sample Collector	REISTAD/JAEGER
Sample Description	Grid #442		

Analyte Name	Result	Qualifier	Units	MDL	PQL	Analysis Date	Analysis Time	Analysis Method
Chlorophyll a - corrected for Pheophytin	1.41	I	mg/M3	0.5	2.0	8/26/2022	7:20 AM	SM21 10200 H
Pheophytin	6.81		mg/M3	0.5	2.0	8/26/2022	7:20 AM	SM21 10200 H
Dissolved Oxygen % Saturation by Client	82.9		%	0.1		8/23/2022	10:55 AM	FDEP FT1500
Biochemical Oxygen Demand 5 day	1.1	I J3	mg/L	0.3	1.2	8/24/2022	11:15 AM	SM 5210 B
Color	55.9		CU	1.25	5.00	8/24/2022	9:40 AM	SM21 2120 C
Specific Conductance, By Client	9479		µmhos/cm			8/23/2022	10:55 AM	FDEP FT1200
Oxygen, Dissolved, Electrode, by Client	5.97		mg/L			8/23/2022	10:55 AM	FDEP FT1500
Enterococci	20		MPN/100mL	10		8/23/2022	2:36 PM	Enterolert®
Ammonia	0.014	U	mg/L as N	0.014	0.056	8/26/2022	8:51 AM	EPA 350.1
Nitrite	0.003	I	mg/L as N	0.003	0.012	8/24/2022	11:42 AM	EPA 353.2
Nitrate	0.010	U	mg/L as N	0.01	0.04	8/24/2022	11:42 AM	EPA 353.2
Nitrate + Nitrite	0.010	U	mg/L as N	0.01	0.04	8/24/2022	11:42 AM	EPA 353.2
Nitrogen, Organic	0.77		mg/L as N	0.10	0.4	8/30/2022	8:56 AM	TKN - NH3
Phosphorus, Ortho	0.077		mg/L as P	0.005	0.020	8/23/2022	4:55 PM	EPA 365.1
pH, Field (electrometric) by Client	7.95		units			8/23/2022	10:55 AM	FDEP FT1100
Salinity by meter by Client	5.27		SU			8/23/2022	10:55 AM	FDEP FT 1300
Water Clarity Secchi Disk, by Client	1.35		meters			8/23/2022	10:55 AM	FDEP FT 1700
Silica, dissolved as SiO2	6.4		mg/L as SiO2	0.1	0.4	8/23/2022	3:08 PM	SM4500-SiO2 C

Report Format: NELAC

DOH #E45049



Laboratory ID	AF32783	Collection date and time	8/23/2022 10:55 AM
Location Code	CRNEP_RS	Sample Collector	REISTAD/JAEGER
Sample Description	Grid #442		

Analyte Name	Result	Qualifier	Units	MDL	PQL	Analysis Date	Analysis Time	Analysis Method
Depth of Water Body	2.5		Meters			8/23/2022	10:55 AM	FS2100
Field Temperature by client	31.1		°C			8/23/2022	10:55 AM	FDEP FT1400
Nitrogen, Kjeldahl, Total	0.77		mg/L as N	0.10	0.4	8/30/2022	8:56 AM	EPA 351.2
Nitrogen, Total	0.77		mg/L as N	0.10	0.4	8/30/2022	8:56 AM	TKN + NOX
Total Organic Carbon (NPOC)	14		mg/L	1	4	8/25/2022	3:55 PM	SM 5310 B
Phosphorus, Total	0.13		mg/L as P	0.006	0.024	8/30/2022	8:58 AM	EPA 365.1
Total Suspended Solids	1.60	I	mg/L	0.6	2.4	8/24/2022	8:09 AM	SM 2540 D
Turbidity (Nephelometric)	1.68		NTU	0.2	0.8	8/24/2022	7:49 AM	EPA 180.1

Laboratory ID	AF32784	Collection date and time	8/23/2022 1:30 PM
Location Code	CRNEP_EQ	Sample Collector	REISTAD/JAEGER
Sample Description	EB Site #		

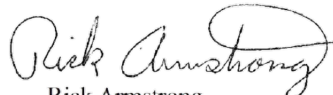
Analyte Name	Result	Qualifier	Units	MDL	PQL	Analysis Date	Analysis Time	Analysis Method
Chlorophyll a - corrected for Pheophytin	0.50	U	mg/M3	0.5	2.0	8/26/2022	7:20 AM	SM21 10200 H
Pheophytin	0.50	U	mg/M3	0.5	2.0	8/26/2022	7:20 AM	SM21 10200 H
Biochemical Oxygen Demand 5 day	0.3	U J3	mg/L	0.3	1.2	8/24/2022	11:15 AM	SM 5210 B
Color	1.25	U	CU	1.25	5.00	8/24/2022	9:40 AM	SM21 2120 C
Enterococci	1	U	MPN/100mL	1		8/23/2022	2:36 PM	Enterolert®
Ammonia	0.014	U	mg/L as N	0.014	0.056	8/26/2022	8:51 AM	EPA 350.1
Nitrite	0.003	U	mg/L as N	0.003	0.012	8/24/2022	11:42 AM	EPA 353.2
Nitrate	0.010	U	mg/L as N	0.01	0.04	8/24/2022	11:42 AM	EPA 353.2
Nitrate + Nitrite	0.010	U	mg/L as N	0.01	0.04	8/24/2022	11:42 AM	EPA 353.2
Nitrogen, Organic	0.100	U	mg/L as N	0.10	0.4	8/30/2022	8:56 AM	TKN - NH3
Phosphorus, Ortho	0.005	U	mg/L as P	0.005	0.020	8/23/2022	4:55 PM	EPA 365.1
Silica, dissolved as SiO2	0.1	U	mg/L as SiO2	0.1	0.4	8/23/2022	3:08 PM	SM4500-SiO2 C
Nitrogen, Kjeldahl, Total	0.10	U	mg/L as N	0.10	0.4	8/30/2022	8:56 AM	EPA 351.2
Nitrogen, Total	0.100	U	mg/L as N	0.10	0.4	8/30/2022	8:56 AM	TKN + NOX
Total Organic Carbon (NPOC)	1.000	U	mg/L	1	4	8/25/2022	3:55 PM	SM 5310 B
Phosphorus, Total	0.006	U	mg/L as P	0.006	0.024	8/30/2022	8:58 AM	EPA 365.1
Total Suspended Solids	0.6	U	mg/L	0.6	2.4	8/24/2022	8:09 AM	SM 2540 D
Turbidity (Nephelometric)	0.20	U	NTU	0.2	0.8	8/24/2022	7:49 AM	EPA 180.1



Qualifiers:

- I The value is less than, or equal to, the laboratory's practical quantitation limit (PQL) and greater than the minimum detection limit (MDL).
- I J3 The value is $\leq$ to the PQL and $>$ the MDL. The reported value failed to meet the established quality control criteria for either precision or accuracy.
- J3 The reported value failed to meet the established quality control criteria for either precision or accuracy.
- S Secchi disk visible to bottom of waterbody. Value reported is the depth of the waterbody at the location of Secchi disk measurement.
- U Indicates that the compound was analyzed for but not detected.
- U J3 Indicates that the compound was analyzed for but not detected. Value failed to meet QC criteria for precision or accuracy.

Unless noted otherwise, these test results meet all the requirements of the 2016 NELAC/ TNI Standards.
The results provided herein relate only to the samples cited as they were received by the laboratory. All questions regarding this report should be directed to Rick Armstrong, Laboratory Manager.


Rick Armstrong
Lab Manager
Lee County Environmental Lab



LCEL

Lee County Environmental Laboratory
60 S Danley Dr Unit 2
Fort Myers, FL 33907
Phone: (239) 533-8600

Analysis Request & Chain of Custody Record

Lab Certification: E45049
LCEL F COC 20150828R1

LCEL does not accept any samples used for evidentiary purposes

Report/Result Information

Billing/Invoice Information

Page 1 of 1

Name: FDEP - South		Name: DNRM		Matrix Codes: DW-Drinking water GW- Ground water WW-Waste water SW-Surface water WWS-Wastewater Sludge S-Sediment O-Other		Preservative Codes: NP-No Preservative N-Nitric Acid S-Sulfuric Acid H-Hydrochloric Acid SH-Sodium Hydroxide ST-Sodium Thiosulfate O-Other				
ATTN: Kirby Wolfe		RE: CCHMN-Tidal Caloosa								
Address: 2295 Victoria Ave, Suite 364 PO Box 2549 Ft Myers FL 33901		Address: 1500 Monroe St Ft Myers, FL 33901								
Phone: (239) 344-5719		Phone: (239) 533-8109								
Sample Collector(s) (please print): Nicole Reistad/Monica Jaeger		Sample Collector Signature: 		Analyses Required \$Chloro, _prep O-PO4, Color, NOX TOC NH3, TKN, TN, T-PO4, NO3, ONIT Turb, NO2, TSS, Silica, Bod, Bodi Mug2QT, Entero						
Relinquished By: (signature) 	Date 08/23/22	Time 14:26	Received By: (signature) 							
Relinquished By: (signature)	Date	Time	Received By: (signature)							
Relinquished By: (signature)	Date	Time	Received By: (signature)							
Sample(s) on ice ☒ Yes or ☐ No? Temperature °C: 1.1				Preservatives (see codes) NP NPF S S NP ST						
Collection Date	Time	Sample Description & Location	Matrix (see codes)	# of Sample Containers Submitted					Lab ID #	
08/23/22	12/5	CRNEP_RS #469	SWE	1	1	1	1	2	1	AF32777
08/23/22	1135	CRNEP_RS #448	SWE	1	1	1	1	2	1	AF32778
08/23/22	0910	CRNEP_RS #394	SWE	1	1	1	1	2	1	AF32779
08/23/22	0925	CRNEP_RSBOT #394 Bottom	SWE	1	1	1	1	2	1	AF32780
08/23/22	1005	CRNEP_RS #424	SWE	1	1	1	1	2	1	AF32781
08/23/22	1020	CRNEP_RSBOT #424 Bottom	SWE	1	1	1	1	2	1	AF32782
08/23/22	1055	CRNEP_RS #442	SWE	1	1	1	1	2	1	AF32783
08/23/22	1330	CRNEP_EQ #	SWE	1	1	1	1	2	1	AF32784

**SAMPLES SHOULD BE IN WET ICE & LESS THAN 6° C (42.8°F)
OR THEY MAYBE QUALIFIED***

*Qualified = the data may not be accurate and regulatory agencies may not accept qualified data.