

Laboratory Results

Lee County Environmental Laboratory

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



To: ATTN: Kirby Wolfe
FDEP - South
2295 Victoria Ave Ste 364
Fort Myers FL 33901
(239) 344-5719

Report Date: 12/10/2021

Below are the results of samples submitted to this laboratory on 12/1/2021

Laboratory ID	AF06947	Collection date and time	12/1/2021 9:50 AM
Location Code	IMPRGR01	Sample Collector	CLAIRE CHARDE
Sample Description	Imperial R. house w/ 3 arches		

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	12/8/2021	7:35 AM	SM21 10200 H
Pheophytin	4.72		mg/M3	0.5	2.0	12/8/2021	7:35 AM	SM21 10200 H
Aluminum	100.0	U	µg/L	100.0	400.0	12/8/2021	12:33 PM	EPA 200.8
Arsenic	10.0	U	µg/L	10.0	40	12/8/2021	12:33 PM	EPA 200.8
Barium	13.4	I	µg/L	10.0	40.0	12/8/2021	12:33 PM	EPA 200.8
Beryllium	5.00	U	µg/L	5.00	20.00	12/8/2021	12:33 PM	EPA 200.8
Biochemical Oxygen Demand 5 day	1.2	I J3	mg/L	0.3	1.2	12/2/2021	11:50 AM	SM 5210 B
Calcium by ICP	185		mg/L	5.00	20.00	12/8/2021	9:12 AM	EPA 200.7
Cadmium	6.0	U	µg/L	6.0	24.0	12/8/2021	12:33 PM	EPA 200.8
Chloride	6680		mg/L	16.00	64.0	12/8/2021	10:47 AM	SM 4500-Cl ⁻ D
Color	38.3		CU	1.25	5.00	12/1/2021	2:48 PM	SM21 2120 C
Chromium	10.0	U	µg/L	10.0	40.0	12/8/2021	12:33 PM	EPA 200.8
Copper	10.0	U	µg/L	10.0	40.0	12/8/2021	12:33 PM	EPA 200.8
Oxygen, Dissolved, Electrode, by Client	5.88		mg/L			12/1/2021	9:50 AM	FDEP FT1500
Enterococci	64		MPN/100mL	10		12/1/2021	2:00 PM	Enterolert®
Iron by ICP	0.120	I	mg/L	0.100	0.400	12/8/2021	9:12 AM	EPA 200.7
Magnesium by ICP	422		mg/L	5.00	20.00	12/8/2021	9:12 AM	EPA 200.7
Manganese	10.0	U	µg/L	10.0	40.0	12/8/2021	12:33 PM	EPA 200.8
Molybdenum	10.00	U	µg/L	10.00	40.0	12/8/2021	12:33 PM	EPA 200.8
Ammonia	0.051	I	mg/L as N	0.014	0.056	12/3/2021	9:04 AM	EPA 350.1
Nickel	15.00	U	µg/L	15.00	60.00	12/8/2021	12:33 PM	EPA 200.8
Nitrite	0.010	I	mg/L as N	0.003	0.012	12/2/2021	10:03 AM	EPA 353.2
Nitrate	0.044		mg/L as N	0.01	0.04	12/2/2021	10:03 AM	EPA 353.2

Report Format: NELAC

DOH #E45049



Laboratory ID	AF06947	Collection date and time	12/1/2021 9:50 AM
Location Code	IMPRGR01	Sample Collector	CLAIRE CHARDE
Sample Description	Imperial R. house w/ 3 arches		

Analyte Name	Result	Qualifier	Units	MDL	PQL	Analysis Date	Analysis Time	Analysis Method
Nitrate + Nitrite	0.054		mg/L as N	0.01	0.04	12/2/2021	10:03 AM	EPA 353.2
Nitrogen, Organic	0.66		mg/L as N	0.10	0.4	12/2/2021	9:10 AM	TKN - NH3
Phosphorus, Ortho	0.009	I	mg/L as P	0.005	0.020	12/1/2021	5:08 PM	EPA 365.1
Lead	10.0	U	µg/L	10.0	40.0	12/8/2021	12:33 PM	EPA 200.8
Salinity by meter by Client	13.3		SU			12/1/2021	9:50 AM	FDEP FT 1300
Antimony	20.0	U	µg/L	20.0	80.0	12/8/2021	12:33 PM	EPA 200.8
Water Clarity Secchi Disk, by Client	1.3		meters			12/1/2021	9:50 AM	FDEP FT 1700
Selenium	46.0		µg/L	10.0	40	12/8/2021	12:33 PM	EPA 200.8
Silica, dissolved as SiO2	3.9		mg/L as SiO2	0.1	0.4	12/1/2021	3:45 PM	SM4500-SiO2 C
Total Hardness	2200		mg/L as CaCO3	5.00	20.0	12/8/2021	9:12 AM	SM 2340 B
Nitrogen, Kjeldahl, Total	0.71		mg/L as N	0.10	0.4	12/2/2021	9:10 AM	EPA 351.2
Thallium	6.0	U	µg/L	6.0	24.0	12/8/2021	12:33 PM	EPA 200.8
Nitrogen, Total	0.76		mg/L as N	0.10	0.4	12/2/2021	9:10 AM	TKN + NOX
Total Organic Carbon (NPOC)	17		mg/L	1	4	12/7/2021	4:47 PM	SM 5310 B
Phosphorus, Total	0.029		mg/L as P	0.006	0.024	12/2/2021	9:12 AM	EPA 365.1
Total Suspended Solids	5.15		mg/L	0.6	2.4	12/2/2021	10:13 AM	SM 2540 D
Turbidity (Nephelometric)	1.95		NTU	0.2	0.8	12/2/2021	2:00 PM	EPA 180.1
Vanadium	20.0	U	µg/L	20.0	80.0	12/8/2021	12:33 PM	EPA 200.8
Zinc	20.0	U	µg/L	20.0	80.0	12/8/2021	12:33 PM	EPA 200.8

Laboratory ID	AF06948	Collection date and time	12/1/2021 10:15 AM
Location Code	EBTEB	Sample Collector	CLAIRE CHARDE
Sample Description	Field Cleaned Equipment Blank		

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	12/8/2021	7:35 AM	SM21 10200 H
Pheophytin	0.50	U	mg/M3	0.5	2.0	12/8/2021	7:35 AM	SM21 10200 H
Aluminum	5.0	U	µg/L	5.0	20.0	12/8/2021	12:33 PM	EPA 200.8
Arsenic	0.5	U	µg/L	0.5	2	12/8/2021	12:33 PM	EPA 200.8
Barium	0.5	U	µg/L	0.5	2.0	12/8/2021	12:33 PM	EPA 200.8
Beryllium	0.25	U	µg/L	0.25	1.00	12/8/2021	12:33 PM	EPA 200.8
Biochemical Oxygen Demand 5 day	0.3	U J3	mg/L	0.3	1.2	12/2/2021	11:50 AM	SM 5210 B
Calcium by ICP	0.250	U	mg/L	0.25	1.00	12/8/2021	9:12 AM	EPA 200.7
Cadmium	0.3	U	µg/L	0.3	1.2	12/8/2021	12:33 PM	EPA 200.8
Chloride	1.60	U	mg/L	1.60	6.4	12/8/2021	10:47 AM	SM 4500-Cl ⁻ D
Color	1.25	U	CU	1.25	5.00	12/1/2021	2:48 PM	SM21 2120 C

Report Format: NELAC

DOH #E45049



Laboratory ID	AF06948	Collection date and time	12/1/2021 10:15 AM
Location Code	EBTEB	Sample Collector	CLAIRE CHARDE
Sample Description	Field Cleaned Equipment Blank		

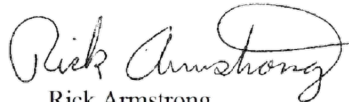
Analyte Name	Result	Qualifier	Units	MDL	PQL	Analysis Date	Analysis Time	Analysis Method
Chromium	0.5	U	µg/L	0.5	2.0	12/8/2021	12:33 PM	EPA 200.8
Copper	0.5	U	µg/L	0.5	2.0	12/8/2021	12:33 PM	EPA 200.8
Enterococci	10	U	MPN/100mL	10		12/1/2021	2:00 PM	Enterolert®
Iron by ICP	0.005	U	mg/L	0.005	0.020	12/8/2021	9:12 AM	EPA 200.7
Magnesium by ICP	0.25	U	mg/L	0.25	1.00	12/8/2021	9:12 AM	EPA 200.7
Manganese	0.5	U	µg/L	0.5	2.0	12/8/2021	12:33 PM	EPA 200.8
Molybdenum	0.50	U	µg/L	0.50	2.0	12/8/2021	12:33 PM	EPA 200.8
Ammonia	0.014	U	mg/L as N	0.014	0.056	12/3/2021	9:04 AM	EPA 350.1
Nickel	0.75	U	µg/L	0.75	3.00	12/8/2021	12:33 PM	EPA 200.8
Nitrite	0.003	U	mg/L as N	0.003	0.012	12/3/2021	10:06 AM	EPA 353.2
Nitrate	0.01	U	mg/L as N	0.01	0.04	12/3/2021	10:06 AM	EPA 353.2
Nitrate + Nitrite	0.010	U	mg/L as N	0.01	0.04	12/2/2021	10:03 AM	EPA 353.2
Nitrogen, Organic	0.100	U	mg/L as N	0.10	0.4	12/2/2021	9:10 AM	TKN - NH3
Phosphorus, Ortho	0.005	U	mg/L as P	0.005	0.020	12/1/2021	5:08 PM	EPA 365.1
Lead	0.5	U	µg/L	0.5	2.0	12/8/2021	12:33 PM	EPA 200.8
Antimony	1.0	U	µg/L	1.0	4.0	12/8/2021	12:33 PM	EPA 200.8
Selenium	0.5	U	µg/L	0.5	2	12/8/2021	12:33 PM	EPA 200.8
Silica, dissolved as SiO2	0.1	U	mg/L as SiO2	0.1	0.4	12/1/2021	3:45 PM	SM4500-SiO2 C
Total Hardness	0.25	U	mg/L as CaCO3	0.25	1.0	12/8/2021	9:12 AM	SM 2340 B
Nitrogen, Kjeldahl, Total	0.10	U	mg/L as N	0.10	0.4	12/2/2021	9:10 AM	EPA 351.2
Thallium	0.3	U	µg/L	0.3	1.2	12/8/2021	12:33 PM	EPA 200.8
Nitrogen, Total	0.100	U	mg/L as N	0.10	0.4	12/2/2021	9:10 AM	TKN + NOX
Total Organic Carbon (NPOC)	1.4	I	mg/L	1	4	12/7/2021	4:47 PM	SM 5310 B
Phosphorus, Total	0.006	U	mg/L as P	0.006	0.024	12/2/2021	9:12 AM	EPA 365.1
Total Suspended Solids	0.6	U	mg/L	0.6	2.4	12/2/2021	10:13 AM	SM 2540 D
Turbidity (Nephelometric)	0.370	I	NTU	0.2	0.8	12/2/2021	2:00 PM	EPA 180.1
Vanadium	1.0	U	µg/L	1.0	4.0	12/8/2021	12:33 PM	EPA 200.8
Zinc	1.0	U	µg/L	1.0	4.0	12/8/2021	12:33 PM	EPA 200.8



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.
- 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

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Chain of Custody Record

LCEL does not accept any samples used for evidentiary purposes

Lab Certification: E45049

LCEL_F_COC_20150828R1

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Report/Result Information

Billing/Invoice Information

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/Kelsey Lang	RE: EB Tribb		
Address: 2295 Victoria Ave, Suite 364 PO Box 2549 Ft Myers FL 33901-2549	Address: 1500 Monroe St Ft Myers, FL 33901		
Phone: (239) 470-0873	Phone: (239) 533-8109		

Sample Collector(s) (please print): John Barrington/Snorek		Sample Collector Signature:		Analyses Required					
Relinquished By: (signature)	Date	Time	Received By: (signature)	\$Chloroa, _prep	O-PO4, Color, NOx	NH3, TKN, TN, NO3, ONIT, TOC	Turb, Clp, NO2, TSS, T-PO4, Silica, Bod, Bodi	Mug2QT, Entero	#WSMetals, THardC
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: 4.2°C	NP	NPF	S	NP	ST	N
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Collection		Sample Description & Location	Matrix (see codes)	# of Sample Containers Submitted						Lab ID #
Date	Time									
12/1/21	9:50	ImprGr01 pH= 7.28 SpCond (mS/cm) = 26.730	SW	1	1	2	2	1	1	AF06947
12/1/21	10:15	EBTeb pH= SpCond (mS/cm) =	FB	1	1	2	2	1	1	AF06948

**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.