

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: 9/28/2021

Below are the results of samples submitted to this laboratory on 9/14/2021

Laboratory ID	AE99119	Collection date and time	9/14/2021 10:15 AM
Location Code	IMPRGR01	Sample Collector	CRAY/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	1.82	I	mg/M3	0.5	2.0	9/21/2021	7:31 AM	SM21 10200 H
Pheophytin	7.29		mg/M3	0.5	2.0	9/21/2021	7:31 AM	SM21 10200 H
Aluminum	18.5	I	µg/L	5.0	20.0	9/21/2021	9:38 AM	EPA 200.8
Arsenic	0.982	I	µg/L	0.5	2	9/21/2021	9:38 AM	EPA 200.8
Barium	15.5		µg/L	0.5	2.0	9/21/2021	9:38 AM	EPA 200.8
Beryllium	0.25	U	µg/L	0.25	1.00	9/21/2021	9:38 AM	EPA 200.8
Calcium by ICP	126		mg/L	0.25	1.00	9/21/2021	11:48 AM	EPA 200.7
Cadmium	0.3	U	µg/L	0.3	1.2	9/21/2021	9:38 AM	EPA 200.8
Chloride	3620		mg/L	1.60	6.4	9/24/2021	4:26 PM	SM 4500-Cl ⁻ D
Color	65.2		CU	1.25	5.00	9/15/2021	2:58 PM	SM21 2120 C
Chromium	0.962	I	µg/L	0.5	2.0	9/21/2021	9:38 AM	EPA 200.8
Copper	0.862	I	µg/L	0.5	2.0	9/21/2021	9:38 AM	EPA 200.8
Oxygen, Dissolved, Electrode, by Client	4.03		mg/L			9/14/2021	10:15 AM	FDEP FT1500
Enterococci	87		MPN/100mL	10		9/14/2021	1:03 PM	Enterolert®
Iron by ICP	0.369		mg/L	0.005	0.020	9/21/2021	11:48 AM	EPA 200.7
Magnesium by ICP	232		mg/L	0.25	1.00	9/21/2021	11:48 AM	EPA 200.7
Manganese	13.5		µg/L	0.5	2.0	9/21/2021	9:38 AM	EPA 200.8
Molybdenum	4.42		µg/L	0.50	2.0	9/21/2021	9:38 AM	EPA 200.8
Ammonia	0.061		mg/L as N	0.014	0.056	9/17/2021	9:50 AM	EPA 350.1
Nickel	0.75	U	µg/L	0.75	3.00	9/21/2021	9:38 AM	EPA 200.8
Nitrite	0.007	I	mg/L as N	0.003	0.012	9/15/2021	12:57 PM	EPA 353.2
Nitrate	0.053		mg/L as N	0.01	0.04	9/15/2021	12:57 PM	EPA 353.2
Nitrate + Nitrite	0.060		mg/L as N	0.01	0.04	9/15/2021	12:57 PM	EPA 353.2

Report Format: NELAC

DOH #E45049



Laboratory ID	AE99119	Collection date and time	9/14/2021 10:15 AM
Location Code	IMPRGR01	Sample Collector	CRAY/CHARDE
Sample Description	Imperial R. house w/ 3 arches		

Analyte Name	Result	Qualifier	Units	MDL	PQL	Analysis Date	Analysis Time	Analysis Method
Nitrogen, Organic	0.73		mg/L as N	0.10	0.4	9/21/2021	8:56 AM	TKN - NH3
Phosphorus, Ortho	0.017	I	mg/L as P	0.005	0.020	9/15/2021	2:45 PM	EPA 365.1
Lead	0.5	U	µg/L	0.5	2.0	9/21/2021	9:38 AM	EPA 200.8
Salinity by meter by Client	8.49		SU			9/14/2021	10:15 AM	FDEP FT 1300
Antimony	1.0	U	µg/L	1.0	4.0	9/21/2021	9:38 AM	EPA 200.8
Water Clarity Secchi Disk, by Client	0.8	S	meters			9/14/2021	10:15 AM	FDEP FT 1700
Selenium	24.1		µg/L	0.5	2	9/21/2021	9:38 AM	EPA 200.8
Silica, dissolved as SiO2	6.7		mg/L as SiO2	0.1	0.4	9/15/2021	1:48 PM	SM4500-SiO2 C
Total Hardness	1270		mg/L as CaCO3	0.25	1.0	9/21/2021	11:48 AM	SM 2340 B
Nitrogen, Kjeldahl, Total	0.79		mg/L as N	0.10	0.4	9/21/2021	8:56 AM	EPA 351.2
Thallium	0.3	U	µg/L	0.3	1.2	9/21/2021	9:38 AM	EPA 200.8
Nitrogen, Total	0.85		mg/L as N	0.10	0.4	9/21/2021	8:56 AM	TKN + NOX
Total Organic Carbon	17		mg/L	1	4	9/21/2021	2:53 PM	SM 5310 B
Phosphorus, Total	0.037		mg/L as P	0.006	0.024	9/21/2021	8:58 AM	EPA 365.1
Total Suspended Solids	1.80	I	mg/L	0.6	2.4	9/15/2021	10:12 AM	SM 2540 D
Turbidity (Nephelometric)	0.920	V1	NTU	0.2	0.8	9/15/2021	12:40 PM	EPA 180.1
Vanadium	2.57	I	µg/L	1.0	4.0	9/21/2021	9:38 AM	EPA 200.8
Zinc	1.0	U	µg/L	1.0	4.0	9/21/2021	9:38 AM	EPA 200.8

Laboratory ID	AE99120	Collection date and time	9/14/2021 10:40 AM
Location Code	EBTEB	Sample Collector	CRAY/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	9/21/2021	7:31 AM	SM21 10200 H
Pheophytin	0.50	U	mg/M3	0.5	2.0	9/21/2021	7:31 AM	SM21 10200 H
Aluminum	5.0	U	µg/L	5.0	20.0	9/21/2021	9:38 AM	EPA 200.8
Arsenic	0.5	U	µg/L	0.5	2	9/21/2021	9:38 AM	EPA 200.8
Barium	0.5	U	µg/L	0.5	2.0	9/21/2021	9:38 AM	EPA 200.8
Beryllium	0.25	U	µg/L	0.25	1.00	9/21/2021	9:38 AM	EPA 200.8
Calcium by ICP	0.250	U	mg/L	0.25	1.00	9/21/2021	11:48 AM	EPA 200.7
Cadmium	0.3	U	µg/L	0.3	1.2	9/21/2021	9:38 AM	EPA 200.8
Chloride	1.60	U	mg/L	1.60	6.4	9/24/2021	4:26 PM	SM 4500-Cl ⁻ D
Color	1.25	U	CU	1.25	5.00	9/15/2021	2:58 PM	SM21 2120 C
Chromium	0.5	U	µg/L	0.5	2.0	9/21/2021	9:38 AM	EPA 200.8
Copper	0.5	U	µg/L	0.5	2.0	9/21/2021	9:38 AM	EPA 200.8

Report Format: NELAC

DOH #E45049



Laboratory ID	AE99120	Collection date and time	9/14/2021 10:40 AM
Location Code	EBTEB	Sample Collector	CRAY/CHARDE
Sample Description	Field Cleaned Equipment Blank		

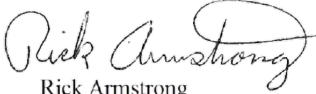
Analyte Name	Result	Qualifier	Units	MDL	PQL	Analysis Date	Analysis Time	Analysis Method
Enterococci	10	U	MPN/100mL	10		9/14/2021	1:03 PM	Enterolert®
Iron by ICP	0.005	U	mg/L	0.005	0.020	9/21/2021	11:48 AM	EPA 200.7
Magnesium by ICP	0.25	U	mg/L	0.25	1.00	9/21/2021	11:48 AM	EPA 200.7
Manganese	0.5	U	µg/L	0.5	2.0	9/21/2021	9:38 AM	EPA 200.8
Molybdenum	0.50	U	µg/L	0.50	2.0	9/21/2021	9:38 AM	EPA 200.8
Ammonia	0.014	U	mg/L as N	0.014	0.056	9/17/2021	9:50 AM	EPA 350.1
Nickel	0.75	U	µg/L	0.75	3.00	9/21/2021	9:38 AM	EPA 200.8
Nitrite	0.003	U	mg/L as N	0.003	0.012	9/15/2021	12:57 PM	EPA 353.2
Nitrate	0.010	U	mg/L as N	0.01	0.04	9/15/2021	12:57 PM	EPA 353.2
Nitrate + Nitrite	0.010	U	mg/L as N	0.01	0.04	9/15/2021	12:57 PM	EPA 353.2
Nitrogen, Organic	0.100	U	mg/L as N	0.10	0.4	9/21/2021	8:56 AM	TKN - NH3
Phosphorus, Ortho	0.005	U	mg/L as P	0.005	0.020	9/15/2021	2:45 PM	EPA 365.1
Lead	0.5	U	µg/L	0.5	2.0	9/21/2021	9:38 AM	EPA 200.8
Antimony	1.0	U	µg/L	1.0	4.0	9/21/2021	9:38 AM	EPA 200.8
Selenium	0.5	U	µg/L	0.5	2	9/21/2021	9:38 AM	EPA 200.8
Silica, dissolved as SiO2	0.1	U	mg/L as SiO2	0.1	0.4	9/15/2021	1:48 PM	SM4500-SiO2 C
Total Hardness	0.25	U	mg/L as CaCO3	0.25	1.0	9/21/2021	11:48 AM	SM 2340 B
Nitrogen, Kjeldahl, Total	0.10	U	mg/L as N	0.10	0.4	9/21/2021	8:56 AM	EPA 351.2
Thallium	0.3	U	µg/L	0.3	1.2	9/21/2021	9:38 AM	EPA 200.8
Nitrogen, Total	0.100	U	mg/L as N	0.10	0.4	9/21/2021	8:56 AM	TKN + NOX
Total Organic Carbon	1.9	I	mg/L	1	4	9/21/2021	2:53 PM	SM 5310 B
Phosphorus, Total	0.006	U	mg/L as P	0.006	0.024	9/21/2021	8:58 AM	EPA 365.1
Total Suspended Solids	0.6	U	mg/L	0.6	2.4	9/15/2021	10:12 AM	SM 2540 D
Turbidity (Nephelometric)	0.770	I	NTU	0.2	0.8	9/15/2021	12:40 PM	EPA 180.1
Vanadium	1.0	U	µg/L	1.0	4.0	9/21/2021	9:38 AM	EPA 200.8
Zinc	1.0	U	µg/L	1.0	4.0	9/21/2021	9:38 AM	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).
- 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.
- V1 Indicates that the analyte was detected in both the sample and associated field blank at a level of <5X the blank value.

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		Address: 1500 Monroe St																										
Ft Myers FL 33901-2549		Ft Myers, FL 33901																										
Phone: (239) 470-0873		Phone: (239) 533-8109		Analyses Required <table border="1"> <tr> <td rowspan="3">\$Chloroa, _prep</td> <td rowspan="3">O-PO4, Color, NOx</td> <td rowspan="3">NH3, TKN, TN, NO3, ONIT, TOC</td> <td rowspan="3">Turb, Cl_p, NO2, TSS, T-PO4, Silica, Bod, Bodi</td> <td rowspan="3">Mug2QT, Entero</td> <td rowspan="3">#WSMetals, THardC</td> <td rowspan="3"></td> </tr> <tr></tr> <tr></tr> <tr> <td colspan="7">Preservatives (see codes)</td> </tr> <tr> <td>NP</td> <td>NPF</td> <td>S</td> <td>NP</td> <td>ST</td> <td>N</td> <td></td> </tr> </table>				\$Chloroa, _prep	O-PO4, Color, NOx	NH3, TKN, TN, NO3, ONIT, TOC	Turb, Cl _p , NO2, TSS, T-PO4, Silica, Bod, Bodi	Mug2QT, Entero	#WSMetals, THardC		Preservatives (see codes)							NP	NPF	S	NP	ST	N	
\$Chloroa, _prep	O-PO4, Color, NOx	NH3, TKN, TN, NO3, ONIT, TOC	Turb, Cl _p , NO2, TSS, T-PO4, Silica, Bod, Bodi												Mug2QT, Entero	#WSMetals, THardC												
Preservatives (see codes)																												
NP	NPF	S	NP	ST	N																							
Sample Collector(s) (please print): John Barrington/Snorek		Sample Collector Signature:																										
Relinquished By: (signature)	Date	Time	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: 1.8°C																												
Collection Date Time		Sample Description & Location		Matrix (see codes)		# of Sample Containers Submitted		Lab ID #																				
9/14/21 10:15		ImprGr01 pH= SpCond (mS/cm) =		SW		1 1 2 2 1 1		AE99119																				
9/14/21 10:40		EBTeb pH= SpCond (mS/cm) =		FB		1 1 2 2 1 1		AE99120																				

**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.