

Laboratory Results

Lee County Environmental Laboratory

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



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

Report Date: 6/11/2024

Below are the results of samples submitted to this laboratory on 4/30/2024

Laboratory ID	AF89775	Collection date and time	4/30/2024 11:00 AM
Location Code	HENDGR01	Sample Collector	MONICA JAEGER
Sample Description	Hendry Creek under power lines		

Analyte Name	Result	Qualifier	Units	MDL	PQL	Analysis Date	Analysis Time	Analysis Method
Chlorophyll a - corrected for Pheophytin	3.29		mg/M3	0.5	2.0	5/9/2024	8:21 AM	SM10200H-2011
Pheophytin	0.50	U	mg/M3	0.5	2.0	5/9/2024	8:21 AM	SM10200H-2011
Dissolved Oxygen % Saturation by Client	58.8		%	0.1		4/30/2024	11:00 AM	FDEP FT1500
Aluminum	123	I	µg/L	50	200.0	5/23/2024	9:51 AM	EPA 200.8
Arsenic	5.0	U	µg/L	5.00	20	5/23/2024	9:51 AM	EPA 200.8
Barium	26.0		µg/L	5.0	20.0	5/23/2024	9:51 AM	EPA 200.8
Beryllium	2.50	U	µg/L	2.50	10.00	5/23/2024	9:51 AM	EPA 200.8
Biochemical Oxygen Demand 5 day	1.2	I	mg/L	0.3	1.2	5/1/2024	10:44 AM	SM5210B-2016
Calcium by ICP	324		mg/L	2.50	10.00	5/22/2024	9:04 AM	EPA 200.7
Cadmium	3.0	U	µg/L	3.00	12.0	5/23/2024	9:51 AM	EPA 200.8
Chloride	15300		mg/L	16.00	64.0	5/2/2024	12:32 PM	SM4500CI D-2011
Color	49.7		CU	1.25	5.00	5/1/2024	2:13 PM	SM21 2120 C
Specific Conductance, By Client	37300		µmhos/cm			4/30/2024	11:00 AM	FDEP FT1200
Chromium	5.0	U	µg/L	5.00	20.0	5/23/2024	9:51 AM	EPA 200.8
Copper	5.0	U	µg/L	5.00	20.0	5/23/2024	9:51 AM	EPA 200.8
Metals digest w/HNO3, water samples	Completed					5/21/2024	7:30 AM	EPA 200.8
Oxygen, Dissolved, Electrode, by Client	4.23		mg/L			4/30/2024	11:00 AM	FDEP FT1500
Enterococci	10	U	MPN/100mL	10		4/30/2024	2:49 PM	Enterolert®
Iron by ICP	0.070	I	mg/L	0.050	0.200	5/22/2024	9:04 AM	EPA 200.7
Magnesium by ICP	826		mg/L	2.50	10.00	5/22/2024	9:04 AM	EPA 200.7
Manganese	16.2	I	µg/L	5.00	20.0	5/23/2024	9:51 AM	EPA 200.8
Molybdenum	8.31	I	µg/L	5.00	20.0	5/23/2024	9:51 AM	EPA 200.8
Ammonia as N	0.037	I	mg/L as N	0.014	0.056	5/3/2024	10:07 AM	EPA 350.1

Report Format: NELAC

DOH #E45049



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
Distrib List: FDEP-South	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		

Sample Collector(s) (please print):
Monica Jaeger

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, Cl _p , NO2, TSS, T-PO4, Bod, Bodi Mug2QT, Enteroc #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: 2.2°C

NP NPF S NP ST N

Collection Date Time		Sample Description & Location	Matrix (see codes)	# of Sample Containers Submitted						Lab ID #
4/30/24	1100	HendGr01 pH= 7.56 SpCond (mS/cm) = 37322	SW	1	1	2	2	1	1	AF89775
4/30/24	1115	HendGr02 pH= 7.47 SpCond (mS/cm) = 28960	SW	1	1	2	2	1	1	AF89776
4/30/24	1010	MullGr01 pH= 7.46 SpCond (mS/cm) = 46009	SW	1	1	2	2	1	1	AF89777
4/30/24	945	MullGr02 pH= 7.57 SpCond (mS/cm) = 43591	SW	1	1	2	2	1	1	AF89778
4/30/24	1200	EBTeb pH= SpCond (mS/cm) =	FB	1	1	2	2	1	1	AF89779

**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.

DEP/Lee Co Estero Bay Water Quality Monitoring

Monitor(s): Monica Jaeger, Nicole Reistad Date: 04/30/24
Samantha Gelinas

Site ID	Site Description	Date	Time	YSI						Weather					Site Comments
				Temp C	Salinity (ppt)	DO (mg/L)	%DO SAT	pH	Spec Cond (mS/cm)	Wind Dir	Wind Speed	Seas	Cloud Cover %	Weather Comments	
HENDGR01	Hendry Creek under power lines, N 26 29' 15.4" W 81 52' 55.8" AF89775	4/30/24	1100	25.3	23.63	4.23	58.8	7.56	37322	N	0-4	Calm	1-25	Sunny	Secchi: 1.3m 1.1m Total Depth: 1.3m 2.6m
HENDGR02	Hendry Cr. can see 1st house N 26 30' 47.9" W 81 52' 46.1" AF89776	4/30/24	1115	25.6	17.85	2.99	40.5	7.47	28960	N	0-4	Calm	1-25	Sunny	Secchi: 1.2m Total Depth: 2.1m
MULLGR01	Mullock Cr. Y near marker 22 N 26 27' 53.0 W 81 51' 56.8" AF89777	4/30/24	1010	25.3	29.82	4.73	68.2	7.66	46009	N	0-4	Calm	1-25	Sunny	Secchi: 1.9m S Total Depth: 1.9m
MULLGR02	Mullock Creek; marker 55 N 26 28' 14.1" W 81 51' 21.3" AF89778	4/30/24	945	25.3	28.08	4.46	63.6	7.57	43591	N	0-4	Calm	1-25	Sunny	Secchi: 1.3m S Total Depth: 1.3m
IMPRGR01	Imperial R house w/3 arches N 26 20' 12.4" W 81 50' 2.0"														
FCEB_1	FCEB (Equipment Blank)	4/30/24	1200							Wind Dir: N / NE / NW / S / SE / SW / E / W Wind Speed: Calm / 0-4 / 5-10 / 11-15 / 16-20 / >20 Seas: Calm / R / LC / MD / HC Cloud Cover %: 0 / 1-25 / 26-50 / 51-75 / 76-99 / 100					

Laboratory ID	AF89775	Collection date and time	4/30/2024 11:00 AM
Location Code	HENDGR01	Sample Collector	MONICA JAEGER
Sample Description	Hendry Creek under power lines		

Analyte Name	Result	Qualifier	Units	MDL	PQL	Analysis Date	Analysis Time	Analysis Method
Nickel	7.50	U	µg/L	7.50	30.00	5/23/2024	9:51 AM	EPA 200.8
Nitrite as N	0.004	I	mg/L as N	0.003	0.012	5/1/2024	1:57 PM	EPA 353.2
Nitrate as N	0.016	V1 I	mg/L as N	0.01	0.04	5/1/2024	1:57 PM	EPA 353.2
Nitrate + Nitrite as N	0.020	V1 I	mg/L as N	0.01	0.04	5/1/2024	1:57 PM	EPA 353.2
Nitrogen, Organic	1.2		mg/L as N	0.10	0.4	5/14/2024	8:35 AM	TKN - NH3
Phosphorus, Ortho as P	0.024		mg/L as P	0.005	0.020	5/1/2024	1:34 PM	EPA 365.1
Lead	5.0	U	µg/L	5.00	20.0	5/23/2024	9:51 AM	EPA 200.8
pH, Field (electrometric) by Client	7.56		units			4/30/2024	11:00 AM	FDEP FT1100
Salinity by meter by Client	23.63		SU			4/30/2024	11:00 AM	FDEP FT 1300
Antimony	10.0	U	µg/L	10.0	40.0	5/23/2024	9:51 AM	EPA 200.8
Water Clarity Secchi Disk, by Client	1.1		meters			4/30/2024	11:00 AM	FDEP FT 1700
Selenium	102		µg/L	5.00	20	5/23/2024	9:51 AM	EPA 200.8
Field Temperature by client	25.3		°C			4/30/2024	11:00 AM	FDEP FT1400
Total Hardness as CaCO3	4210		mg/L as CaCO3	2.50	10.0	5/22/2024	9:04 AM	SM2340B-2011
Nitrogen, Kjeldahl, Total	1.2		mg/L as N	0.10	0.4	5/14/2024	8:35 AM	EPA 351.2
Thallium	3.0	U	µg/L	3.00	12.0	5/23/2024	9:51 AM	EPA 200.8
Nitrogen, Total	1.2		mg/L as N	0.10	0.4	5/14/2024	8:35 AM	TKN + NOX
Total Organic Carbon (NPOC)	12		mg/L	1	4	5/3/2024	10:24 AM	SM5310B-2014
Phosphorus, Total as P	0.11		mg/L as P	0.006	0.024	5/14/2024	8:36 AM	EPA 365.1
Total Suspended Solids	6.10		mg/L	0.6	2.4	5/1/2024	2:09 PM	SM2540D-2015
Turbidity (Nephelometric)	2.98		NTU	0.2	0.8	5/1/2024	1:38 PM	EPA 180.1
Vanadium	10.0	U	µg/L	10.0	40.0	5/23/2024	9:51 AM	EPA 200.8
Zinc	10.0	U	µg/L	10.00	40.0	5/23/2024	9:51 AM	EPA 200.8

Laboratory ID	AF89776	Collection date and time	4/30/2024 11:15 AM
Location Code	HENDGR02	Sample Collector	MONICA JAEGER
Sample Description	Hendry Cr. can see 1st house		

Analyte Name	Result	Qualifier	Units	MDL	PQL	Analysis Date	Analysis Time	Analysis Method
Chlorophyll a - corrected for Pheophytin	4.78		mg/M3	0.5	2.0	5/9/2024	8:21 AM	SM10200H-2011
Pheophytin	21.61		mg/M3	0.5	2.0	5/9/2024	8:21 AM	SM10200H-2011
Dissolved Oxygen % Saturation by Client	40.5		%	0.1		4/30/2024	11:15 AM	FDEP FT1500
Aluminum	50.0	U	µg/L	50	200.0	5/23/2024	9:51 AM	EPA 200.8
Arsenic	5.0	U	µg/L	5.00	20	5/23/2024	9:51 AM	EPA 200.8
Barium	48.3		µg/L	5.0	20.0	5/23/2024	9:51 AM	EPA 200.8
Beryllium	2.50	U	µg/L	2.50	10.00	5/23/2024	9:51 AM	EPA 200.8

Report Format: NELAC

DOH #E45049



Laboratory ID	AF89776	Collection date and time	4/30/2024 11:15 AM
Location Code	HENDGR02	Sample Collector	MONICA JAEGER
Sample Description	Hendry Cr. can see 1st house		

Analyte Name	Result	Qualifier	Units	MDL	PQL	Analysis Date	Analysis Time	Analysis Method
Biochemical Oxygen Demand 5 day	3.2		mg/L	0.3	1.2	5/1/2024	10:44 AM	SM5210B-2016
Calcium by ICP	453		mg/L	2.50	10.00	5/22/2024	9:04 AM	EPA 200.7
Cadmium	3.0	U	µg/L	3.00	12.0	5/23/2024	9:51 AM	EPA 200.8
Chloride	9000		mg/L	16.00	64.0	5/2/2024	12:32 PM	SM4500CI D-2011
Color	67.7		CU	1.25	5.00	5/1/2024	2:13 PM	SM21 2120 C
Specific Conductance, By Client	29000		µmhos/cm			4/30/2024	11:15 AM	FDEP FT1200
Chromium	5.0	U	µg/L	5.00	20.0	5/23/2024	9:51 AM	EPA 200.8
Copper	5.0	U	µg/L	5.00	20.0	5/23/2024	9:51 AM	EPA 200.8
Metals digest w/HNO3, water samples	Completed					5/21/2024	7:30 AM	EPA 200.8
Oxygen, Dissolved, Electrode, by Client	2.99		mg/L			4/30/2024	11:15 AM	FDEP FT1500
Enterococci	10		MPN/100mL	10		4/30/2024	2:49 PM	Enterolert®
Iron by ICP	0.080	I	mg/L	0.050	0.200	5/22/2024	9:04 AM	EPA 200.7
Magnesium by ICP	1100		mg/L	2.50	10.00	5/22/2024	9:04 AM	EPA 200.7
Manganese	36.5		µg/L	5.00	20.0	5/23/2024	9:51 AM	EPA 200.8
Molybdenum	11.0	I	µg/L	5.00	20.0	5/23/2024	9:51 AM	EPA 200.8
Ammonia as N	0.014	U	mg/L as N	0.014	0.056	5/3/2024	10:07 AM	EPA 350.1
Nickel	7.50	U	µg/L	7.50	30.00	5/23/2024	9:51 AM	EPA 200.8
Nitrite as N	0.004	I	mg/L as N	0.003	0.012	5/1/2024	1:57 PM	EPA 353.2
Nitrate as N	0.010	U	mg/L as N	0.01	0.04	5/1/2024	1:57 PM	EPA 353.2
Nitrate + Nitrite as N	0.013	V1 I	mg/L as N	0.01	0.04	5/1/2024	1:57 PM	EPA 353.2
Nitrogen, Organic	1.4		mg/L as N	0.10	0.4	5/14/2024	8:35 AM	TKN - NH3
Phosphorus, Ortho as P	0.024		mg/L as P	0.005	0.020	5/1/2024	1:34 PM	EPA 365.1
Lead	5.0	U	µg/L	5.00	20.0	5/23/2024	9:51 AM	EPA 200.8
pH, Field (electrometric) by Client	7.47		units			4/30/2024	11:15 AM	FDEP FT1100
Salinity by meter by Client	17.85		SU			4/30/2024	11:15 AM	FDEP FT 1300
Antimony	10.0	U	µg/L	10.0	40.0	5/23/2024	9:51 AM	EPA 200.8
Water Clarity Secchi Disk, by Client	1.2		meters			4/30/2024	11:15 AM	FDEP FT 1700
Selenium	146		µg/L	5.00	20	5/23/2024	9:51 AM	EPA 200.8
Field Temperature by client	25.6		°C			4/30/2024	11:15 AM	FDEP FT1400
Total Hardness as CaCO3	5660		mg/L as CaCO3	2.50	10.0	5/22/2024	9:04 AM	SM2340B-2011
Nitrogen, Kjeldahl, Total	1.4		mg/L as N	0.10	0.4	5/14/2024	8:35 AM	EPA 351.2
Thallium	3.0	U	µg/L	3.00	12.0	5/23/2024	9:51 AM	EPA 200.8
Nitrogen, Total	1.4		mg/L as N	0.10	0.4	5/14/2024	8:35 AM	TKN + NOX
Total Organic Carbon (NPOC)	15		mg/L	1	4	5/3/2024	10:24 AM	SM5310B-2014
Phosphorus, Total as P	0.085		mg/L as P	0.006	0.024	5/14/2024	8:36 AM	EPA 365.1
Total Suspended Solids	7.85		mg/L	0.6	2.4	5/1/2024	2:09 PM	SM2540D-2015



Laboratory ID	AF89776	Collection date and time	4/30/2024 11:15 AM
Location Code	HENDGR02	Sample Collector	MONICA JAEGER
Sample Description	Hendry Cr. can see 1st house		

Analyte Name	Result	Qualifier	Units	MDL	PQL	Analysis Date	Analysis Time	Analysis Method
Turbidity (Nephelometric)	2.66		NTU	0.2	0.8	5/1/2024	1:38 PM	EPA 180.1
Vanadium	10.0	U	µg/L	10.0	40.0	5/23/2024	9:51 AM	EPA 200.8
Zinc	10.0	U	µg/L	10.00	40.0	5/23/2024	9:51 AM	EPA 200.8

Laboratory ID	AF89777	Collection date and time	4/30/2024 10:10 AM
Location Code	MULLGR01	Sample Collector	MONICA JAEGER
Sample Description	Mullock Cr. Y near marker 22		

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	5/9/2024	8:21 AM	SM10200H-2011
Pheophytin	1.12	I	mg/M3	0.5	2.0	5/9/2024	8:21 AM	SM10200H-2011
Dissolved Oxygen % Saturation by Client	68.2		%	0.1		4/30/2024	10:10 AM	FDEP FT1500
Aluminum	100.0	U	µg/L	100	400.0	5/23/2024	9:51 AM	EPA 200.8
Arsenic	10.0	U	µg/L	10.00	40	5/23/2024	9:51 AM	EPA 200.8
Barium	10.0	U	µg/L	10.0	40.0	5/23/2024	9:51 AM	EPA 200.8
Beryllium	5.00	U	µg/L	5.00	20.00	5/23/2024	9:51 AM	EPA 200.8
Biochemical Oxygen Demand 5 day	1.1	I	mg/L	0.3	1.2	5/1/2024	10:44 AM	SM5210B-2016
Calcium by ICP	5.000	U	mg/L	5.00	20.00	5/22/2024	9:04 AM	EPA 200.7
Cadmium	6.0	U	µg/L	6.00	24.0	5/23/2024	9:51 AM	EPA 200.8
Chloride	15200		mg/L	16.00	64.0	5/7/2024	8:26 AM	SM4500Cl D-2011
Color	21.5		CU	1.25	5.00	5/1/2024	2:13 PM	SM21 2120 C
Specific Conductance, By Client	46000		µmhos/cm			4/30/2024	10:10 AM	FDEP FT1200
Chromium	10.0	U	µg/L	10.00	40.0	5/23/2024	9:51 AM	EPA 200.8
Copper	10.0	U	µg/L	10.00	40.0	5/23/2024	9:51 AM	EPA 200.8
Metals digest w/HNO3, water samples	Completed					5/21/2024	7:30 AM	EPA 200.8
Oxygen, Dissolved, Electrode, by Client	4.73		mg/L			4/30/2024	10:10 AM	FDEP FT1500
Enterococci	10		MPN/100mL	10		4/30/2024	2:49 PM	Enterolert®
Iron by ICP	0.100	U	mg/L	0.1	0.400	5/22/2024	9:04 AM	EPA 200.7
Magnesium by ICP	5.00	U	mg/L	5.00	20.00	5/22/2024	9:04 AM	EPA 200.7
Manganese	10.0	U	µg/L	10.0	40.0	5/23/2024	9:51 AM	EPA 200.8
Molybdenum	10.00	U	µg/L	10.00	40.0	5/23/2024	9:51 AM	EPA 200.8
Ammonia as N	0.014	U	mg/L as N	0.014	0.056	5/3/2024	10:07 AM	EPA 350.1
Nickel	15.00	U	µg/L	15.00	60.00	5/23/2024	9:51 AM	EPA 200.8
Nitrite as N	0.003	U	mg/L as N	0.003	0.012	5/1/2024	1:57 PM	EPA 353.2
Nitrate as N	0.010	U	mg/L as N	0.01	0.04	5/1/2024	1:57 PM	EPA 353.2
Nitrate + Nitrite as N	0.010	U	mg/L as N	0.01	0.04	5/1/2024	1:57 PM	EPA 353.2

Report Format: NELAC

DOH #E45049



Laboratory ID	AF89777	Collection date and time	4/30/2024 10:10 AM
Location Code	MULLGR01	Sample Collector	MONICA JAEGER
Sample Description	Mullock Cr. Y near marker 22		

Analyte Name	Result	Qualifier	Units	MDL	PQL	Analysis Date	Analysis Time	Analysis Method
Nitrogen, Organic	1.1		mg/L as N	0.10	0.4	5/14/2024	8:35 AM	TKN - NH3
Phosphorus, Ortho as P	0.012	I	mg/L as P	0.005	0.020	5/1/2024	1:34 PM	EPA 365.1
Lead	10.0	U	µg/L	10.00	40.0	5/23/2024	9:51 AM	EPA 200.8
pH, Field (electrometric) by Client	7.66		units			4/30/2024	10:10 AM	FDEP FT1100
Salinity by meter by Client	29.82		SU			4/30/2024	10:10 AM	FDEP FT 1300
Antimony	20.0	U	µg/L	20.0	80.0	5/23/2024	9:51 AM	EPA 200.8
Water Clarity Secchi Disk, by Client	1.9	S	meters			4/30/2024	10:10 AM	FDEP FT 1700
Selenium	10.0	U	µg/L	10.00	40	5/23/2024	9:51 AM	EPA 200.8
Field Temperature by client	25.3		°C			4/30/2024	10:10 AM	FDEP FT1400
Total Hardness as CaCO3	5.0	U	mg/L as CaCO3	5.00	20.0	5/22/2024	9:04 AM	SM2340B-2011
Nitrogen, Kjeldahl, Total	1.1		mg/L as N	0.10	0.4	5/14/2024	8:35 AM	EPA 351.2
Thallium	6.0	U	µg/L	6.00	24.0	5/23/2024	9:51 AM	EPA 200.8
Nitrogen, Total	1.1		mg/L as N	0.10	0.4	5/14/2024	8:35 AM	TKN + NOX
Total Organic Carbon (NPOC)	7.4		mg/L	1	4	5/3/2024	10:24 AM	SM5310B-2014
Phosphorus, Total as P	0.034		mg/L as P	0.006	0.024	5/14/2024	8:36 AM	EPA 365.1
Total Suspended Solids	4.80		mg/L	0.6	2.4	5/1/2024	2:09 PM	SM2540D-2015
Turbidity (Nephelometric)	1.46		NTU	0.2	0.8	5/1/2024	1:38 PM	EPA 180.1
Vanadium	20.0	U	µg/L	20.0	80.0	5/23/2024	9:51 AM	EPA 200.8
Zinc	20.0	U	µg/L	20.00	80.0	5/23/2024	9:51 AM	EPA 200.8

Laboratory ID	AF89778	Collection date and time	4/30/2024 9:45 AM
Location Code	MULLGR02	Sample Collector	MONICA JAEGER
Sample Description	Mullock Creek, marker 55		

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	5/9/2024	8:21 AM	SM10200H-2011
Pheophytin	2.01		mg/M3	0.5	2.0	5/9/2024	8:21 AM	SM10200H-2011
Dissolved Oxygen % Saturation by Client	63.6		%	0.1		4/30/2024	9:45 AM	FDEP FT1500
Aluminum	100.0	U	µg/L	100	400.0	5/23/2024	9:51 AM	EPA 200.8
Arsenic	10.0	U	µg/L	10.00	40	5/23/2024	9:51 AM	EPA 200.8
Barium	22.6	I	µg/L	10.0	40.0	5/23/2024	9:51 AM	EPA 200.8
Beryllium	5.00	U	µg/L	5.00	20.00	5/23/2024	9:51 AM	EPA 200.8
Biochemical Oxygen Demand 5 day	1.1	I	mg/L	0.3	1.2	5/1/2024	10:44 AM	SM5210B-2016
Calcium by ICP	343		mg/L	5.00	20.00	5/22/2024	9:04 AM	EPA 200.7
Cadmium	6.0	U	µg/L	6.00	24.0	5/23/2024	9:51 AM	EPA 200.8
Chloride	12800		mg/L	16.00	64.0	5/7/2024	8:26 AM	SM4500CI D-2011

Report Format: NELAC

DOH #E45049



Laboratory ID	AF89778	Collection date and time	4/30/2024 9:45 AM
Location Code	MULLGR02	Sample Collector	MONICA JAEGER
Sample Description	Mullock Creek, marker 55		

Analyte Name	Result	Qualifier	Units	MDL	PQL	Analysis Date	Analysis Time	Analysis Method
Color	28.5		CU	1.25	5.00	5/1/2024	2:13 PM	SM21 2120 C
Specific Conductance, By Client	43600		µmhos/cm			4/30/2024	9:45 AM	FDEP FT1200
Chromium	10.0	U	µg/L	10.00	40.0	5/23/2024	9:51 AM	EPA 200.8
Copper	10.0	U	µg/L	10.00	40.0	5/23/2024	9:51 AM	EPA 200.8
Metals digest w/HNO3, water samples	Completed					5/21/2024	7:30 AM	EPA 200.8
Oxygen, Dissolved, Electrode, by Client	4.46		mg/L			4/30/2024	9:45 AM	FDEP FT1500
Enterococci	10		MPN/100mL	10		4/30/2024	2:49 PM	Enterolert®
Iron by ICP	0.120	I	mg/L	0.100	0.400	5/22/2024	9:04 AM	EPA 200.7
Magnesium by ICP	944		mg/L	5.00	20.00	5/22/2024	9:04 AM	EPA 200.7
Manganese	22.8	I	µg/L	10.0	40.0	5/23/2024	9:51 AM	EPA 200.8
Molybdenum	10.00	U	µg/L	10.00	40.0	5/23/2024	9:51 AM	EPA 200.8
Ammonia as N	0.014	U	mg/L as N	0.014	0.056	5/3/2024	10:07 AM	EPA 350.1
Nickel	15.00	U	µg/L	15.00	60.00	5/23/2024	9:51 AM	EPA 200.8
Nitrite as N	0.003	U	mg/L as N	0.003	0.012	5/1/2024	1:57 PM	EPA 353.2
Nitrate as N	0.010	U	mg/L as N	0.01	0.04	5/1/2024	1:57 PM	EPA 353.2
Nitrate + Nitrite as N	0.010	U	mg/L as N	0.01	0.04	5/1/2024	1:57 PM	EPA 353.2
Nitrogen, Organic	1.1		mg/L as N	0.10	0.4	5/14/2024	8:35 AM	TKN - NH3
Phosphorus, Ortho as P	0.013	I	mg/L as P	0.005	0.020	5/1/2024	1:34 PM	EPA 365.1
Lead	10.0	U	µg/L	10.00	40.0	5/23/2024	9:51 AM	EPA 200.8
pH, Field (electrometric) by Client	7.57		units			4/30/2024	9:45 AM	FDEP FT1100
Salinity by meter by Client	28.08		SU			4/30/2024	9:45 AM	FDEP FT 1300
Antimony	20.0	U	µg/L	20.0	80.0	5/23/2024	9:51 AM	EPA 200.8
Water Clarity Secchi Disk, by Client	1.3	S	meters			4/30/2024	9:45 AM	FDEP FT 1700
Selenium	138		µg/L	10.00	40	5/23/2024	9:51 AM	EPA 200.8
Field Temperature by client	25.3		°C			4/30/2024	9:45 AM	FDEP FT1400
Total Hardness as CaCO3	4740		mg/L as CaCO3	5.00	20.0	5/22/2024	9:04 AM	SM2340B-2011
Nitrogen, Kjeldahl, Total	1.1		mg/L as N	0.10	0.4	5/14/2024	8:35 AM	EPA 351.2
Thallium	6.0	U	µg/L	6.00	24.0	5/23/2024	9:51 AM	EPA 200.8
Nitrogen, Total	1.1		mg/L as N	0.10	0.4	5/14/2024	8:35 AM	TKN + NOX
Total Organic Carbon (NPOC)	9.0		mg/L	1	4	5/3/2024	10:24 AM	SM5310B-2014
Phosphorus, Total as P	0.046		mg/L as P	0.006	0.024	5/14/2024	8:36 AM	EPA 365.1
Total Suspended Solids	10.2		mg/L	0.6	2.4	5/1/2024	2:09 PM	SM2540D-2015
Turbidity (Nephelometric)	3.85		NTU	0.2	0.8	5/1/2024	1:38 PM	EPA 180.1
Vanadium	20.0	U	µg/L	20.0	80.0	5/23/2024	9:51 AM	EPA 200.8
Zinc	20.0	U	µg/L	20.00	80.0	5/23/2024	9:51 AM	EPA 200.8



Laboratory ID	AF89779	Collection date and time	4/30/2024 12:00 PM
Location Code	EBTEB	Sample Collector	MONICA JAEGER
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	5/9/2024	8:21 AM	SM10200H-2011
Pheophytin	0.50	U	mg/M3	0.5	2.0	5/9/2024	8:21 AM	SM10200H-2011
Aluminum	5.0	U	µg/L	5.0	20.0	5/23/2024	9:51 AM	EPA 200.8
Arsenic	0.5	U	µg/L	0.5	2	5/23/2024	9:51 AM	EPA 200.8
Barium	0.5	U	µg/L	0.5	2.0	5/23/2024	9:51 AM	EPA 200.8
Beryllium	0.25	U	µg/L	0.25	1.00	5/23/2024	9:51 AM	EPA 200.8
Biochemical Oxygen Demand 5 day	0.3	U	mg/L	0.3	1.2	5/1/2024	10:44 AM	SM5210B-2016
Calcium by ICP	0.250	U	mg/L	0.25	1.00	5/22/2024	9:04 AM	EPA 200.7
Cadmium	0.3	U	µg/L	0.3	1.2	5/23/2024	9:51 AM	EPA 200.8
Chloride	1.60	U	mg/L	1.60	6.4	5/7/2024	8:26 AM	SM4500CI D-2011
Color	1.25	U	CU	1.25	5.00	5/1/2024	2:13 PM	SM21 2120 C
Chromium	0.5	U	µg/L	0.5	2.0	5/23/2024	9:51 AM	EPA 200.8
Copper	0.5	U	µg/L	0.5	2.0	5/23/2024	9:51 AM	EPA 200.8
Metals digest w/HNO3, water samples	Completed					5/21/2024	7:30 AM	EPA 200.8
Enterococci	1	U	MPN/100mL	1		4/30/2024	2:49 PM	Enterolert®
Iron by ICP	0.005	U	mg/L	0.005	0.020	5/22/2024	9:04 AM	EPA 200.7
Magnesium by ICP	0.25	U	mg/L	0.25	1.00	5/22/2024	9:04 AM	EPA 200.7
Manganese	0.500	U	µg/L	0.5	2.0	5/23/2024	9:51 AM	EPA 200.8
Molybdenum	0.50	U	µg/L	0.50	2.0	5/23/2024	9:51 AM	EPA 200.8
Ammonia as N	0.014	U	mg/L as N	0.014	0.056	5/3/2024	10:07 AM	EPA 350.1
Nickel	0.75	U	µg/L	0.75	3.00	5/23/2024	9:51 AM	EPA 200.8
Nitrite as N	0.003	U	mg/L as N	0.003	0.012	5/1/2024	1:57 PM	EPA 353.2
Nitrate as N	0.011	I	mg/L as N	0.01	0.04	5/2/2024	1:38 PM	EPA 353.2
Nitrate + Nitrite as N	0.011	I	mg/L as N	0.01	0.04	5/2/2024	1:38 PM	EPA 353.2
Nitrogen, Organic	0.100	U	mg/L as N	0.10	0.4	5/14/2024	8:35 AM	TKN - NH3
Phosphorus, Ortho as P	0.005	U	mg/L as P	0.005	0.020	5/1/2024	1:34 PM	EPA 365.1
Lead	0.5	U	µg/L	0.5	2.0	5/23/2024	9:51 AM	EPA 200.8
Antimony	1.0	U	µg/L	1.0	4.0	5/23/2024	9:51 AM	EPA 200.8
Selenium	0.5	U	µg/L	0.5	2	5/23/2024	9:51 AM	EPA 200.8
Total Hardness as CaCO3	0.25	U	mg/L as CaCO3	0.25	1.0	5/22/2024	9:04 AM	SM2340B-2011
Nitrogen, Kjeldahl, Total	0.10	U	mg/L as N	0.10	0.4	5/14/2024	8:35 AM	EPA 351.2
Thallium	0.3	U	µg/L	0.3	1.2	5/23/2024	9:51 AM	EPA 200.8
Nitrogen, Total	0.100	U	mg/L as N	0.10	0.4	5/14/2024	8:35 AM	TKN + NOX
Total Organic Carbon (NPOC)	1.000	U	mg/L	1	4	5/3/2024	10:24 AM	SM5310B-2014
Phosphorus, Total as P	0.006	U	mg/L as P	0.006	0.024	5/14/2024	8:36 AM	EPA 365.1
Total Suspended Solids	0.6	U	mg/L	0.6	2.4	5/1/2024	2:09 PM	SM2540D-2015



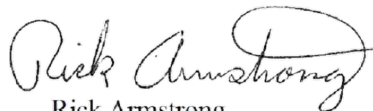
Laboratory ID	AF89779	Collection date and time	4/30/2024 12:00 PM
Location Code	EBTEB	Sample Collector	MONICA JAEGER
Sample Description	Field Cleaned Equipment Blank		

Analyte Name	Result	Qualifier	Units	MDL	PQL	Analysis Date	Analysis Time	Analysis Method
Turbidity (Nephelometric)	0.20	U	NTU	0.2	0.8	5/1/2024	1:38 PM	EPA 180.1
Vanadium	1.0	U	µg/L	1.0	4.0	5/23/2024	9:51 AM	EPA 200.8
Zinc	1.0	U	µg/L	1.0	4.0	5/23/2024	9:51 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 I Analyte found in both sample & field blank @ <5X the blank value. The value is > the MDL and < or = to the PQL.

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

