

Laboratory Results

Lee County Environmental Laboratory

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Report Date: 8/30/2018

Below are the results of samples submitted to this laboratory on 7/24/2018

Laboratory ID	AD81479	Collection date and time	7/24/2018 9:50 AM
Location Code	HENDGR01	Sample Collector	DUGAN/REISTADT
Sample Description	Hendry Creek under power		

Analyte Name	Result	Qualifier	Units	MDL	PQL	Analysis Date	Analysis Time	Analysis Method
Chlorophyll a - corrected for Pheophytin	1.50	I	mg/M3	0.5	2.0	7/26/2018	3:01 PM	SM21 10200 H
Pheophytin	2.00	I	mg/M3	0.5	2.0	7/26/2018	3:01 PM	SM21 10200 H
Aluminum	50.0	U	µg/L	50.0	200.0	7/27/2018	10:34 AM	EPA 200.8
Arsenic	5.65	I	µg/L	5.0	20	7/27/2018	10:34 AM	EPA 200.8
Barium	12.7	I	µg/L	5.0	20.0	7/27/2018	10:34 AM	EPA 200.8
Beryllium	2.50	U	µg/L	2.50	10.00	7/27/2018	10:34 AM	EPA 200.8
Biochemical Oxygen Demand 5 day	0.68	I J3	mg/L	0.3	1.2	7/25/2018	8:00 AM	SM20 5210 B
Calcium by ICP	120		mg/L	2.50	10.00	7/31/2018	9:16 AM	EPA 200.7
Cadmium	3.0	U	µg/L	3.0	12.0	7/27/2018	10:34 AM	EPA 200.8
Chloride	3010		mg/L	1.60	6.4	7/25/2018	1:57 PM	SM21 4500-Cl ⁻ D
Color	108		CU	3.2	12.8	7/24/2018	3:12 PM	SM21 2120 C
Chromium	5.0	U	µg/L	5.0	20.0	7/27/2018	10:34 AM	EPA 200.8
Copper	9.20	I	µg/L	5.0	20.0	7/27/2018	10:34 AM	EPA 200.8
Oxygen, Dissolved, Electrode, by Client	3.62		mg/L	0.1		7/24/2018	9:50 AM	FDEP FT1500
Enterococci	10		MPN/100mL	10		7/24/2018	1:24 PM	Enterolert®
Iron by ICP	0.160	I	mg/L	0.050	0.200	7/31/2018	9:16 AM	EPA 200.7
Magnesium by ICP	200		mg/L	2.50	10.00	7/31/2018	9:16 AM	EPA 200.7
E.coli Enumeration	31		MPN/100mL	10		7/24/2018	1:24 PM	Colilert-18®
Manganese	14.4	I	µg/L	5.0	20.0	7/27/2018	10:34 AM	EPA 200.8
Molybdenum	5.00	U	µg/L	5.00	20.0	7/27/2018	10:34 AM	EPA 200.8

Laboratory ID	AD81479	Collection date and time	7/24/2018 9:50 AM
Location Code	HENDGR01	Sample Collector	DUGAN/REISTADT
Sample Description	Hendry Creek under power		

Analyte Name	Result	Qualifier	Units	MDL	PQL	Analysis Date	Analysis Time	Analysis Method
Ammonia	0.019	I	mg/L as N	0.014	0.056	7/26/2018	9:44 AM	EPA 350.1
Nickel	7.50	U	µg/L	7.50	30.00	7/27/2018	10:34 AM	EPA 200.8
Nitrite	0.005	I	mg/L as N	0.003	0.012	7/25/2018	8:04 AM	EPA 353.2
Nitrate	0.043		mg/L as N	0.01	0.04	7/25/2018	8:04 AM	EPA 353.2
Nitrate + Nitrite	0.048		mg/L as N	0.01	0.04	7/25/2018	8:04 AM	EPA 353.2
Nitrogen, Organic	0.91		mg/L as N	0.05	0.2	7/31/2018	10:24 AM	TKN - NH3
Phosphorus, Ortho	0.048		mg/L as P	0.004	0.016	7/24/2018	1:51 PM	EPA 365.1
Lead	5.0	U	µg/L	5.0	20.0	7/27/2018	10:34 AM	EPA 200.8
Salinity by meter by Client	6.19		SU	0.1		7/24/2018	9:50 AM	FDEP FT 1300
Antimony	10.0	U	µg/L	10.0	40.0	7/27/2018	10:34 AM	EPA 200.8
Water Clarity Secchi Disk, by Client	0.9		meters	0.1		7/24/2018	9:50 AM	FDEP FT 1700
Selenium	12.0	I	µg/L	5.0	20	7/27/2018	10:34 AM	EPA 200.8
Silica, dissolved as SiO2	8.9		mg/L as SiO2	0.1	0.4	7/24/2018	1:50 PM	SM4500 C
Total Hardness	1120		mg/L as CaCO3	2.50	10.0	7/31/2018	9:16 AM	SM21 2340 B
Nitrogen, Kjeldahl, Total	0.93		mg/L as N	0.05	0.2	7/31/2018	10:24 AM	EPA 351.2
Thallium	3.0	U	µg/L	3.0	12.0	7/27/2018	10:34 AM	EPA 200.8
Nitrogen, Total	0.98		mg/L as N	0.05	0.2	7/31/2018	10:24 AM	TKN + NOX
Total Organic Carbon	17		mg/L	1	4	7/25/2018	2:05 PM	SM21 5310 B
Phosphorus, Total	0.077		mg/L as P	0.006	0.024	7/31/2018	10:26 AM	EPA 365.1
Total Suspended Solids	3.95		mg/L	0.6	2.4	7/25/2018	7:50 AM	SM21 2540 D
Turbidity (Nephelometric)	2.65		NTU	0.2	0.8	7/25/2018	8:38 AM	EPA 180.1
Vanadium	10.0	U	µg/L	10.0	40.0	7/27/2018	10:34 AM	EPA 200.8
Zinc	10.0	U	µg/L	10.0	40.0	7/27/2018	10:34 AM	EPA 200.8

Laboratory ID	AD81480	Collection date and time	8/6/2018 10:10 AM
Location Code	HENDGR02	Sample Collector	MARYANN DUGAN
Sample Description	Hendry Cr. can see 1st h		

Analyte Name	Result	Qualifier	Units	MDL	PQL	Analysis Date	Analysis Time	Analysis Method
Chlorophyll a - corrected for Pheophytin	26.38		mg/M3	0.5	2.0	8/9/2018	2:03 PM	SM21 10200 H
Pheophytin	6.14		mg/M3	0.5	2.0	8/9/2018	2:03 PM	SM21 10200 H
Aluminum	8.53	I	µg/L	5.0	20.0	8/15/2018	9:01 AM	EPA 200.8

Laboratory ID	AD81480	Collection date and time	8/6/2018 10:10 AM
Location Code	HENDGR02	Sample Collector	MARYANN DUGAN
Sample Description	Hendry Cr. can see 1st h		

Analyte Name	Result	Qualifier	Units	MDL	PQL	Analysis Date	Analysis Time	Analysis Method
Arsenic	1.26	I	µg/L	0.5	2	8/15/2018	9:01 AM	EPA 200.8
Barium	6.76		µg/L	0.5	2.0	8/15/2018	9:01 AM	EPA 200.8
Beryllium	0.25	U	µg/L	0.25	1.00	8/15/2018	9:01 AM	EPA 200.8
Biochemical Oxygen Demand 5 day	0.3	U	mg/L	0.3	1.2	8/7/2018	8:40 AM	SM20 5210 B
For this BOD data set seed correction is at 1.1 mg/L, not within 0.6-1.0 mg/L range.								
Calcium by ICP	78.2		mg/L	0.25	1.00	8/21/2018	8:53 AM	EPA 200.7
Cadmium	0.3	U	µg/L	0.3	1.2	8/15/2018	9:01 AM	EPA 200.8
Chloride	462		mg/L	1.60	6.4	8/10/2018	2:48 PM	SM21 4500-Cl ⁻ D
Color	68.2		CU	1.6	6.4	8/6/2018	3:20 PM	SM21 2120 C
Chromium	0.5	U	µg/L	0.5	2.0	8/15/2018	9:01 AM	EPA 200.8
Copper	0.824	I	µg/L	0.5	2.0	8/15/2018	9:01 AM	EPA 200.8
Oxygen, Dissolved, Electrode, by Client	3.79		mg/L	0.1		8/6/2018	10:10 AM	FDEP FT1500
Enterococci	10		MPN/100mL	10		8/6/2018	1:38 PM	Enterolert®
Iron by ICP	0.117		mg/L	0.005	0.020	8/21/2018	8:53 AM	EPA 200.7
Magnesium by ICP	39.4		mg/L	0.25	1.00	8/21/2018	8:53 AM	EPA 200.7
E.coli Enumeration	20		MPN/100mL	10		8/6/2018	1:38 PM	Colilert-18®
Manganese	6.61		µg/L	0.5	2.0	8/15/2018	9:01 AM	EPA 200.8
Molybdenum	1.15	I	µg/L	0.50	2.0	8/15/2018	9:01 AM	EPA 200.8
Ammonia	0.014	U	mg/L as N	0.014	0.056	8/8/2018	11:03 AM	EPA 350.1
Nickel	0.75	U	µg/L	0.75	3.00	8/15/2018	9:01 AM	EPA 200.8
Nitrite	0.004	I	mg/L as N	0.003	0.012	8/7/2018	9:03 AM	EPA 353.2
Nitrate	0.010	U	mg/L as N	0.01	0.04	8/7/2018	9:03 AM	EPA 353.2
Nitrate + Nitrite	0.013	I	mg/L as N	0.01	0.04	8/7/2018	9:03 AM	EPA 353.2
Nitrogen, Organic	0.88		mg/L as N	0.05	0.2	8/7/2018	9:45 AM	TKN - NH3
Phosphorus, Ortho	0.004	I	mg/L as P	0.004	0.016	8/6/2018	2:23 PM	EPA 365.1
Lead	0.5	U	µg/L	0.5	2.0	8/15/2018	9:01 AM	EPA 200.8
Salinity by meter by Client	1.0		SU	0.1		8/6/2018	10:10 AM	FDEP FT 1300
Antimony	1.0	U	µg/L	1.0	4.0	8/15/2018	9:01 AM	EPA 200.8
Water Clarity Secchi Disk, by Client	0.8		meters	0.1		8/6/2018	10:10 AM	FDEP FT 1700
Selenium	0.5	U	µg/L	0.5	2	8/15/2018	9:01 AM	EPA 200.8
Silica, dissolved as SiO2	8.1		mg/L as SiO2	0.1	0.4	8/6/2018	2:23 PM	SM4500 C
Total Hardness	358		mg/L as CaCO3	0.25	1.0	8/21/2018	8:53 AM	SM21 2340 B

Laboratory ID	AD81480	Collection date and time	8/6/2018 10:10 AM
Location Code	HENDGR02	Sample Collector	MARYANN DUGAN
Sample Description	Hendry Cr. can see 1st h		

Analyte Name	Result	Qualifier	Units	MDL	PQL	Analysis Date	Analysis Time	Analysis Method
Nitrogen, Kjeldahl, Total	0.88		mg/L as N	0.05	0.2	8/7/2018	9:45 AM	EPA 351.2
Thallium	0.3	U	µg/L	0.3	1.2	8/15/2018	9:01 AM	EPA 200.8
Nitrogen, Total	0.89		mg/L as N	0.05	0.2	8/7/2018	9:45 AM	TKN + NOX
Total Organic Carbon	13		mg/L	1	4	8/7/2018	2:00 PM	SM21 5310 B
Phosphorus, Total	0.070		mg/L as P	0.006	0.024	8/7/2018	9:48 AM	EPA 365.1
Total Suspended Solids	1.50	I	mg/L	0.6	2.4	8/7/2018	7:52 AM	SM21 2540 D
Turbidity (Nephelometric)	2.84		NTU	0.2	0.8	8/8/2018	9:11 AM	EPA 180.1
Vanadium	1.0	U	µg/L	1.0	4.0	8/15/2018	9:01 AM	EPA 200.8
Zinc	1.0	U	µg/L	1.0	4.0	8/15/2018	9:01 AM	EPA 200.8

Laboratory ID	AD81481	Collection date and time	8/6/2018 11:35 AM
Location Code	MULLGR01	Sample Collector	MARYANN DUGAN
Sample Description	Mullock Cr. Y near marker		

Analyte Name	Result	Qualifier	Units	MDL	PQL	Analysis Date	Analysis Time	Analysis Method
Chlorophyll a - corrected for Pheophytin	2.75		mg/M3	0.5	2.0	8/9/2018	2:03 PM	SM21 10200 H
Pheophytin	2.86		mg/M3	0.5	2.0	8/9/2018	2:03 PM	SM21 10200 H
Aluminum	50.0	U	µg/L	50.0	200.0	8/15/2018	9:01 AM	EPA 200.8
Arsenic	5.0	U	µg/L	5.0	20	8/15/2018	9:01 AM	EPA 200.8
Barium	14.1		µg/L	0.5	2.0	8/24/2018	12:16 PM	EPA 200.8
Beryllium	2.50	U	µg/L	2.50	10.00	8/15/2018	9:01 AM	EPA 200.8
Biochemical Oxygen Demand 5 day	0.3	U	mg/L	0.3	1.2	8/7/2018	8:40 AM	SM20 5210 B
Calcium by ICP	173		mg/L	2.50	10.00	8/21/2018	8:53 AM	EPA 200.7
Cadmium	3.0	U	µg/L	3.0	12.0	8/15/2018	9:01 AM	EPA 200.8
Chloride	2780		mg/L	16.00	64.0	8/20/2018	12:57 PM	SM21 4500-Cl ⁻ D
Color	62.6		CU	1.6	6.4	8/6/2018	3:20 PM	SM21 2120 C
Chromium	5.0	U	µg/L	5.0	20.0	8/15/2018	9:01 AM	EPA 200.8
Copper	6.10	I	µg/L	5.0	20.0	8/15/2018	9:01 AM	EPA 200.8
Oxygen, Dissolved, Electrode, by Client	5.14		mg/L	0.1		8/6/2018	11:35 AM	FDEP FT1500
Enterococci	10	U	MPN/100mL	10		8/6/2018	1:38 PM	Enterolert®
Iron by ICP	0.200		mg/L	0.050	0.200	8/21/2018	8:53 AM	EPA 200.7
Magnesium by ICP	359		mg/L	2.50	10.00	8/21/2018	8:53 AM	EPA 200.7

Laboratory ID	AD81481	Collection date and time	8/6/2018 11:35 AM
Location Code	MULLGR01	Sample Collector	MARYANN DUGAN
Sample Description	Mullock Cr. Y near marker		

Analyte Name	Result	Qualifier	Units	MDL	PQL	Analysis Date	Analysis Time	Analysis Method
E.coli Enumeration	87		MPN/100mL	10		8/6/2018	1:38 PM	Colilert-18®
Manganese	7.96	I	µg/L	5.0	20.0	8/15/2018	9:01 AM	EPA 200.8
Molybdenum	5.00	U	µg/L	5.00	20.0	8/15/2018	9:01 AM	EPA 200.8
Ammonia	0.040	I	mg/L as N	0.014	0.056	8/8/2018	11:03 AM	EPA 350.1
Nickel	7.50	U	µg/L	7.50	30.00	8/15/2018	9:01 AM	EPA 200.8
Nitrite	0.004	I	mg/L as N	0.003	0.012	8/7/2018	9:03 AM	EPA 353.2
Nitrate	0.025	I	mg/L as N	0.01	0.04	8/7/2018	9:03 AM	EPA 353.2
Nitrate + Nitrite	0.029	I	mg/L as N	0.01	0.04	8/7/2018	9:03 AM	EPA 353.2
Nitrogen, Organic	0.71		mg/L as N	0.05	0.2	8/7/2018	9:45 AM	TKN - NH3
Phosphorus, Ortho	0.018		mg/L as P	0.004	0.016	8/6/2018	2:23 PM	EPA 365.1
Lead	5.0	U	µg/L	5.0	20.0	8/15/2018	9:01 AM	EPA 200.8
Salinity by meter by Client	9.81		SU	0.1		8/6/2018	11:35 AM	FDEP FT 1300
Antimony	10.0	U	µg/L	10.0	40.0	8/15/2018	9:01 AM	EPA 200.8
Water Clarity Secchi Disk, by Client	0.8	S	meters	0.1		8/6/2018	11:35 AM	FDEP FT 1700
Selenium	6.48	I	µg/L	5.0	20	8/15/2018	9:01 AM	EPA 200.8
Silica, dissolved as SiO2	5.9		mg/L as SiO2	0.1	0.4	8/6/2018	2:23 PM	SM4500 C
Total Hardness	1910		mg/L as CaCO3	2.50	10.0	8/21/2018	8:53 AM	SM21 2340 B
Nitrogen, Kjeldahl, Total	0.75		mg/L as N	0.05	0.2	8/7/2018	9:45 AM	EPA 351.2
Thallium	3.0	U	µg/L	3.0	12.0	8/15/2018	9:01 AM	EPA 200.8
Nitrogen, Total	0.78		mg/L as N	0.05	0.2	8/7/2018	9:45 AM	TKN + NOX
Total Organic Carbon	13		mg/L	1	4	8/7/2018	2:00 PM	SM21 5310 B
Phosphorus, Total	0.052		mg/L as P	0.006	0.024	8/7/2018	9:48 AM	EPA 365.1
Total Suspended Solids	0.6	U	mg/L	0.6	2.4	8/7/2018	7:52 AM	SM21 2540 D
Turbidity (Nephelometric)	2.46		NTU	0.2	0.8	8/7/2018	9:13 AM	EPA 180.1
Vanadium	10.0	U	µg/L	10.0	40.0	8/15/2018	9:01 AM	EPA 200.8
Zinc	10.0	U	µg/L	10.0	40.0	8/15/2018	9:01 AM	EPA 200.8

Laboratory ID	AD81482	Collection date and time	8/6/2018 11:05 AM
Location Code	MULLGR02	Sample Collector	MARYANN DUGAN
Sample Description	Mullock Creek, marker 55		

Analyte Name	Result	Qualifier	Units	MDL	PQL	Analysis Date	Analysis Time	Analysis Method
Chlorophyll a - corrected for Pheophytin	3.37		mg/M3	0.5	2.0	8/9/2018	2:03 PM	SM21 10200 H
Pheophytin	1.85	I	mg/M3	0.5	2.0	8/9/2018	2:03 PM	SM21 10200 H
Aluminum	7.21	I	µg/L	5.0	20.0	8/15/2018	9:01 AM	EPA 200.8
Arsenic	1.02	I	µg/L	0.5	2	8/15/2018	9:01 AM	EPA 200.8
Barium	15.1		µg/L	0.5	2.0	8/18/2018	9:26 AM	EPA 200.8
Beryllium	0.25	U	µg/L	0.25	1.00	8/15/2018	9:01 AM	EPA 200.8
Biochemical Oxygen Demand 5 day	0.3	U	mg/L	0.3	1.2	8/7/2018	8:40 AM	SM20 5210 B
Calcium by ICP	80.2		mg/L	0.25	1.00	8/21/2018	8:53 AM	EPA 200.7
Cadmium	0.3	U	µg/L	0.3	1.2	8/15/2018	9:01 AM	EPA 200.8
Chloride	488		mg/L	1.60	6.4	8/10/2018	2:48 PM	SM21 4500-Cl ⁻ D
Color	75.3		CU	1.6	6.4	8/6/2018	3:20 PM	SM21 2120 C
Chromium	0.5	U	µg/L	0.5	2.0	8/15/2018	9:01 AM	EPA 200.8
Copper	1.00	I	µg/L	0.5	2.0	8/15/2018	9:01 AM	EPA 200.8
Oxygen, Dissolved, Electrode, by Client	5.38		mg/L	0.1		8/6/2018	11:05 AM	FDEP FT1500
Enterococci	20		MPN/100mL	10		8/6/2018	1:38 PM	Enterolert®
Iron by ICP	0.292		mg/L	0.005	0.020	8/21/2018	8:53 AM	EPA 200.7
Magnesium by ICP	36.7		mg/L	0.25	1.00	8/21/2018	8:53 AM	EPA 200.7
E.coli Enumeration	63		MPN/100mL	10		8/6/2018	1:38 PM	Colilert-18®
Manganese	5.00		µg/L	0.5	2.0	8/15/2018	9:01 AM	EPA 200.8
Molybdenum	1.36	I	µg/L	0.50	2.0	8/15/2018	9:01 AM	EPA 200.8
Ammonia	0.050	I	mg/L as N	0.014	0.056	8/8/2018	11:03 AM	EPA 350.1
Nickel	0.75	U	µg/L	0.75	3.00	8/15/2018	9:01 AM	EPA 200.8
Nitrite	0.006	I	mg/L as N	0.003	0.012	8/7/2018	9:03 AM	EPA 353.2
Nitrate	0.063		mg/L as N	0.01	0.04	8/7/2018	9:03 AM	EPA 353.2
Nitrate + Nitrite	0.069		mg/L as N	0.01	0.04	8/7/2018	9:03 AM	EPA 353.2
Nitrogen, Organic	0.59		mg/L as N	0.05	0.2	8/7/2018	9:45 AM	TKN - NH3
Phosphorus, Ortho	0.012	I	mg/L as P	0.004	0.016	8/6/2018	2:23 PM	EPA 365.1
Lead	0.5	U	µg/L	0.5	2.0	8/15/2018	9:01 AM	EPA 200.8
Salinity by meter by Client	0.8		SU	0.1		8/6/2018	11:05 AM	FDEP FT 1300
Antimony	1.0	U	µg/L	1.0	4.0	8/15/2018	9:01 AM	EPA 200.8
Water Clarity Secchi Disk, by Client	1.2	S	meters	0.1		8/6/2018	11:05 AM	FDEP FT 1700
Selenium	0.624	I	µg/L	0.5	2	8/15/2018	9:01 AM	EPA 200.8

Laboratory ID	AD81482	Collection date and time	8/6/2018	11:05 AM
Location Code	MULLGR02	Sample Collector	MARYANN DUGAN	
Sample Description	Mullock Creek, marker 55			

Analyte Name	Result	Qualifier	Units	MDL	PQL	Analysis Date	Analysis Time	Analysis Method
Silica, dissolved as SiO ₂	7.5		mg/L as SiO ₂	0.1	0.4	8/6/2018	2:23 PM	SM4500 C
Total Hardness	351		mg/L as CaCO ₃	0.25	1.0	8/21/2018	8:53 AM	SM21 2340 B
Nitrogen, Kjeldahl, Total	0.64		mg/L as N	0.05	0.2	8/7/2018	9:45 AM	EPA 351.2
Thallium	0.3	U	µg/L	0.3	1.2	8/15/2018	9:01 AM	EPA 200.8
Nitrogen, Total	0.71		mg/L as N	0.05	0.2	8/7/2018	9:45 AM	TKN + NOX
Total Organic Carbon	15		mg/L	1	4	8/7/2018	2:00 PM	SM21 5310 B
Phosphorus, Total	0.032		mg/L as P	0.006	0.024	8/7/2018	9:48 AM	EPA 365.1
Total Suspended Solids	2.03	I	mg/L	0.6	2.4	8/7/2018	7:52 AM	SM21 2540 D
Turbidity (Nephelometric)	0.970		NTU	0.2	0.8	8/8/2018	9:11 AM	EPA 180.1
Vanadium	1.0	U	µg/L	1.0	4.0	8/15/2018	9:01 AM	EPA 200.8
Zinc	1.0	U	µg/L	1.0	4.0	8/15/2018	9:01 AM	EPA 200.8

Laboratory ID	AD81483	Collection date and time	7/24/2018	10:50 AM
Location Code	EBTEB	Sample Collector	DUGAN/REISTADT	
Sample Description	Field Cleaned Equipment B			

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	7/26/2018	3:01 PM	SM21 10200 H
Pheophytin	0.50	U	mg/M3	0.5	2.0	7/26/2018	3:01 PM	SM21 10200 H
Aluminum	5.0	U	µg/L	5.0	20.0	7/27/2018	10:34 AM	EPA 200.8
Arsenic	0.5	U	µg/L	0.5	2	7/27/2018	10:34 AM	EPA 200.8
Barium	0.5	U	µg/L	0.5	2.0	7/27/2018	10:34 AM	EPA 200.8
Beryllium	0.25	U	µg/L	0.25	1.00	7/27/2018	10:34 AM	EPA 200.8
Biochemical Oxygen Demand 5 day	0.30	U J3	mg/L	0.3	1.2	7/25/2018	8:00 AM	SM20 5210 B
Calcium by ICP	0.250	U	mg/L	0.25	1.00	7/31/2018	9:16 AM	EPA 200.7
Cadmium	0.3	U	µg/L	0.3	1.2	7/27/2018	10:34 AM	EPA 200.8
Chloride	1.60	U	mg/L	1.60	6.4	7/25/2018	1:57 PM	SM21 4500-Cl ⁻ D
Color	1.6	U	CU	1.6	6.4	7/24/2018	3:12 PM	SM21 2120 C
Chromium	0.5	U	µg/L	0.5	2.0	7/27/2018	10:34 AM	EPA 200.8
Copper	0.5	U	µg/L	0.5	2.0	7/27/2018	10:34 AM	EPA 200.8
Enterococci	2	U	MPN/100mL	2		7/24/2018	1:24 PM	Enterolert®
Iron by ICP	0.005	U	mg/L	0.005	0.020	7/31/2018	9:16 AM	EPA 200.7

Laboratory ID	AD81483	Collection date and time	7/24/2018 10:50 AM
Location Code	EBTEB	Sample Collector	DUGAN/REISTADT
Sample Description	Field Cleaned Equipment B		

Analyte Name	Result	Qualifier	Units	MDL	PQL	Analysis Date	Analysis Time	Analysis Method
Magnesium by ICP	0.25	U	mg/L	0.25	1.00	7/31/2018	9:16 AM	EPA 200.7
E.coli Enumeration	2	U	MPN/100mL	2		7/24/2018	1:24 PM	Colilert-18®
Manganese	0.5	U	µg/L	0.5	2.0	7/27/2018	10:34 AM	EPA 200.8
Molybdenum	0.50	U	µg/L	0.50	2.0	7/27/2018	10:34 AM	EPA 200.8
Ammonia	0.014	U	mg/L as N	0.014	0.056	7/26/2018	9:44 AM	EPA 350.1
Nickel	0.75	U	µg/L	0.75	3.00	7/27/2018	10:34 AM	EPA 200.8
Nitrite	0.003	U	mg/L as N	0.003	0.012	7/25/2018	8:04 AM	EPA 353.2
Nitrate	0.010	U	mg/L as N	0.01	0.04	7/25/2018	8:04 AM	EPA 353.2
Nitrate + Nitrite	0.010	U	mg/L as N	0.01	0.04	7/25/2018	8:04 AM	EPA 353.2
Nitrogen, Organic	0.050	U	mg/L as N	0.05	0.2	7/31/2018	10:24 AM	TKN - NH3
Phosphorus, Ortho	0.004	U	mg/L as P	0.004	0.016	7/24/2018	1:51 PM	EPA 365.1
Lead	0.5	U	µg/L	0.5	2.0	7/27/2018	10:34 AM	EPA 200.8
Antimony	1.0	U	µg/L	1.0	4.0	7/27/2018	10:34 AM	EPA 200.8
Selenium	0.5	U	µg/L	0.5	2	7/27/2018	10:34 AM	EPA 200.8
Silica, dissolved as SiO2	0.1	U	mg/L as SiO2	0.1	0.4	7/24/2018	1:50 PM	SM4500 C
Total Hardness	0.25	U	mg/L as CaCO3	0.25	1.0	7/31/2018	9:16 AM	SM21 2340 B
Nitrogen, Kjeldahl, Total	0.05	U	mg/L as N	0.05	0.2	7/31/2018	10:24 AM	EPA 351.2
Thallium	0.3	U	µg/L	0.3	1.2	7/27/2018	10:34 AM	EPA 200.8
Nitrogen, Total	0.050	U	mg/L as N	0.05	0.2	7/31/2018	10:24 AM	TKN + NOX
Total Organic Carbon	1.000	U	mg/L	1	4	7/25/2018	2:05 PM	SM21 5310 B
Phosphorus, Total	0.006	U	mg/L as P	0.006	0.024	7/31/2018	10:26 AM	EPA 365.1
Total Suspended Solids	0.6	U	mg/L	0.6	2.4	7/25/2018	7:50 AM	SM21 2540 D
Turbidity (Nephelometric)	0.20	U	NTU	0.2	0.8	7/25/2018	8:38 AM	EPA 180.1
Vanadium	1.0	U	µg/L	1.0	4.0	7/27/2018	10:34 AM	EPA 200.8
Zinc	1.0	U	µg/L	1.0	4.0	7/27/2018	10:34 AM	EPA 200.8

Laboratory ID	AD82097	Collection date and time	8/6/2018 11:25 AM
Location Code	EBTEB	Sample Collector	MARYANN DUGAN
Sample Description	Delayed sample 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	8/7/2018	1:44 PM	SM21 10200 H

Laboratory ID AD82097
 Location Code EBTEB
 Sample Description Delayed sample Blank

Collection date and time 8/6/2018 11:25 AM
 Sample Collector MARYANN DUGAN

Analyte Name	Result	Qualifier	Units	MDL	PQL	Analysis Date	Analysis Time	Analysis Method
Pheophytin	0.51	I	mg/M3	0.5	2.0	8/7/2018	1:44 PM	SM21 10200 H
Aluminum	5.0	U	µg/L	5.0	20.0	8/15/2018	9:01 AM	EPA 200.8
Arsenic	0.5	U	µg/L	0.5	2	8/15/2018	9:01 AM	EPA 200.8
Barium	0.5	U	µg/L	0.5	2.0	8/15/2018	9:01 AM	EPA 200.8
Beryllium	0.25	U	µg/L	0.25	1.00	8/15/2018	9:01 AM	EPA 200.8
Biochemical Oxygen Demand 5 day	0.3	U	mg/L	0.3	1.2	8/7/2018	8:40 AM	SM20 5210 B
Calcium by ICP	0.250	U	mg/L	0.25	1.00	8/21/2018	8:53 AM	EPA 200.7
Cadmium	0.3	U	µg/L	0.3	1.2	8/15/2018	9:01 AM	EPA 200.8
Chloride	1.60	U	mg/L	1.60	6.4	8/10/2018	2:48 PM	SM21 4500-Cl ⁻ D
Color	1.6	U	CU	1.6	6.4	8/6/2018	3:20 PM	SM21 2120 C
Chromium	0.5	U	µg/L	0.5	2.0	8/15/2018	9:01 AM	EPA 200.8
Copper	0.5	U	µg/L	0.5	2.0	8/15/2018	9:01 AM	EPA 200.8
Enterococci	2	U	MPN/100mL	2		8/6/2018	1:38 PM	Enterolert®
Iron by ICP	0.005	U	mg/L	0.005	0.020	8/21/2018	8:53 AM	EPA 200.7
Magnesium by ICP	0.25	U	mg/L	0.25	1.00	8/21/2018	8:53 AM	EPA 200.7
E.coli Enumeration	2	U	MPN/100mL	2		8/6/2018	1:38 PM	Colilert-18®
Manganese	0.5	U	µg/L	0.5	2.0	8/15/2018	9:01 AM	EPA 200.8
Molybdenum	0.50	U	µg/L	0.50	2.0	8/15/2018	9:01 AM	EPA 200.8
Ammonia	0.014	U	mg/L as N	0.014	0.056	8/8/2018	11:03 AM	EPA 350.1
Nickel	0.75	U	µg/L	0.75	3.00	8/15/2018	9:01 AM	EPA 200.8
Nitrite	0.003	U	mg/L as N	0.003	0.012	8/7/2018	9:03 AM	EPA 353.2
Nitrate	0.010	U	mg/L as N	0.01	0.04	8/7/2018	9:03 AM	EPA 353.2
Nitrate + Nitrite	0.010	U	mg/L as N	0.01	0.04	8/7/2018	9:03 AM	EPA 353.2
Nitrogen, Organic	0.050	U	mg/L as N	0.05	0.2	8/7/2018	9:45 AM	TKN - NH3
Phosphorus, Ortho	0.004	U	mg/L as P	0.004	0.016	8/6/2018	2:23 PM	EPA 365.1
Lead	0.5	U	µg/L	0.5	2.0	8/15/2018	9:01 AM	EPA 200.8
Antimony	1.0	U	µg/L	1.0	4.0	8/15/2018	9:01 AM	EPA 200.8
Selenium	0.5	U	µg/L	0.5	2	8/15/2018	9:01 AM	EPA 200.8
Silica, dissolved as SiO2	0.1	U	mg/L as SiO2	0.1	0.4	8/6/2018	2:23 PM	SM4500 C
Total Hardness	0.25	U	mg/L as CaCO3	0.25	1.0	8/21/2018	8:53 AM	SM21 2340 B
Nitrogen, Kjeldahl, Total	0.05	U	mg/L as N	0.05	0.2	8/7/2018	9:45 AM	EPA 351.2
Thallium	0.3	U	µg/L	0.3	1.2	8/15/2018	9:01 AM	EPA 200.8

Laboratory ID AD82097
 Location Code EBTEB
 Sample Description Delayed sample Blank

Collection date and time 8/6/2018 11:25 AM
 Sample Collector MARYANN DUGAN

Analyte Name	Result	Qualifier	Units	MDL	PQL	Analysis Date	Analysis Time	Analysis Method
Nitrogen, Total	0.050	U	mg/L as N	0.05	0.2	8/7/2018	9:45 AM	TKN + NOX
Total Organic Carbon	1.0	I	mg/L	1	4	8/7/2018	2:00 PM	SM21 5310 B
Phosphorus, Total	0.006	U	mg/L as P	0.006	0.024	8/7/2018	9:48 AM	EPA 365.1
Total Suspended Solids	0.6	U	mg/L	0.6	2.4	8/7/2018	7:52 AM	SM21 2540 D
Turbidity (Nephelometric)	0.20	U	NTU	0.2	0.8	8/7/2018	9:13 AM	EPA 180.1
Vanadium	1.0	U	µg/L	1.0	4.0	8/15/2018	9:01 AM	EPA 200.8
Zinc	1.0	U	µg/L	1.0	4.0	8/15/2018	9:01 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).
- I J3 The value is < or = to the PQL and > the MDL. 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 2003 NELAC 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
60-2 Danley Dr Ft 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: 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): MARYANN DUGAN				Sample Collector Signature:				Analyses Required							
Relinquished By: (signature) Maryann Dugan		Date 08/06/2018	Time 1305	Received By: (signature) [Signature]											
Relinquished By: (signature)		Date	Time	Received By: (signature)				\$Chloroa, _prep O-PO4, Color, NOx NH3, TKN, TN, NO3, ONIT Turb, Cl p, NO2, TSS, T-PO4, Silica, Bod, Bodi Mug2QT, Entero #WSMetals, THardC	Preservatives (see codes) NP NPF S NP ST N	Lab ID #					
Relinquished By: (signature)		Date	Time	Received By: (signature)											
Sample(s) on ice ☒ Yes or ☐ No? Temperature °C: 2.4°C															
Collection Date		Time		Sample Description & Location		Matrix (see codes)		# of Sample Containers Submitted				Lab ID #			
				HendGr01 pH= SpCond (mS/cm)=		SW		1	1	1	2	1	1	AD73279	
08/06/2018		1010		HendGr02 pH=6.99 SpCond (mS/cm) = 1981		SW		1	1	1	2	1	1	AD73280 AD81480	
08/06/2018		135		MullGr01 pH=7.69 SpCond (mS/cm) = 16518		SW		1	1	1	2	1	1	AD73281 AD81481	
08/06/2018		1105		MullGr02 pH= 7.24 SpCond (mS/cm) = 1613		SW		1	1	1	2	1	1	AD73282 AD81482	
08/06/2018		1125		EBTeb pH= 5.33 SpCond (mS/cm) = 0.5		FB		1	1	1	2	1	1	AD73283 AD82097	

**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.

LCEL

Lee County Environmental Laboratory
60-2 Danley Dr Ft 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: 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):				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, 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: 7.9°C				NP		NPF	S	NP	ST	N
Collection Date Time		Sample Description & Location			Matrix (see codes)		# of Sample Containers Submitted				Lab ID #			
07/24/18 0950		HendGr01 pH= 7.34 SpCond (mS/cm) = 11025			SW		1	1	2	2	1	1	AD81479	
		HendGr02 pH= SpCond (mS/cm) =			SW		1	1	2	2	1	1	AD81480	
		MullGr01 pH= SpCond (mS/cm) =			SW		1	1	2	2	1	1	AD81481	
		MullGr02 pH= SpCond (mS/cm) =			SW		1	1	2	2	1	1	AD81482	
07/24/18 1050		EBTeb pH= 3.6 SpCond (mS/cm) = 1			FB		1	1	2	2	1	1	AD81483	

**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.