

Laboratory Results

Lee County Environmental Laboratory

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Report Date: 4/18/2019

Below are the results of samples submitted to this laboratory on 3/27/2019

Laboratory ID	AE05219	Collection date and time	3/27/2019 10:55 AM
Location Code	HENDGR01	Sample Collector	MARYANN DUGAN
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	2.68		mg/M3	0.5	2.0	4/4/2019	12:57 PM	SM21 10200 H
Pheophytin	1.47	I	mg/M3	0.5	2.0	4/4/2019	12:57 PM	SM21 10200 H
Aluminum	50.0	U	µg/L	50.0	200.0	4/11/2019	12:40 PM	EPA 200.8
Arsenic	31.3		µg/L	5.0	20	4/11/2019	12:40 PM	EPA 200.8
Barium	22.2		µg/L	5.0	20.0	4/11/2019	12:40 PM	EPA 200.8
Beryllium	2.50	U	µg/L	2.50	10.00	4/11/2019	12:40 PM	EPA 200.8
Biochemical Oxygen Demand 5 day	1.2	J3	mg/L	0.3	1.2	3/28/2019	11:10 AM	SM 5210 B
Calcium by ICP	272		mg/L	2.50	10.00	4/10/2019	10:52 AM	EPA 200.7
Cadmium	3.0	U	µg/L	3.0	12.0	4/11/2019	12:40 PM	EPA 200.8
Chloride	8380		mg/L	1.60	6.4	4/1/2019	12:13 PM	SM 4500-Cl ⁻ D
Color	66.8		CU	1.6	6.4	3/27/2019	2:55 PM	SM21 2120 C
Chromium	7.43	I	µg/L	5.0	20.0	4/11/2019	12:40 PM	EPA 200.8
Copper	7.71	V1 I	µg/L	5.0	20.0	4/11/2019	12:40 PM	EPA 200.8
Oxygen, Dissolved, Electrode, by Client	4.7		mg/L	0.1		3/27/2019	10:55 AM	FDEP FT1500
Enterococci	10	U	MPN/100mL	10		3/27/2019	2:14 PM	Enterolert®
Iron by ICP	0.090	I	mg/L	0.050	0.200	4/10/2019	10:52 AM	EPA 200.7
Magnesium by ICP	636		mg/L	2.50	10.00	4/10/2019	10:52 AM	EPA 200.7
E.coli Enumeration	20		MPN/100mL	10		3/27/2019	2:23 PM	Colilert-18®
Manganese	12.1	I	µg/L	5.0	20.0	4/11/2019	12:40 PM	EPA 200.8
Molybdenum	6.94	I	µg/L	5.00	20.0	4/11/2019	12:40 PM	EPA 200.8

Laboratory ID	AE05219	Collection date and time	3/27/2019 10:55 AM
Location Code	HENDGR01	Sample Collector	MARYANN DUGAN
Sample Description	Hendry Creek under power lines		

Analyte Name	Result	Qualifier	Units	MDL	PQL	Analysis Date	Analysis Time	Analysis Method
Ammonia	0.030	I	mg/L as N	0.014	0.056	3/28/2019	11:50 AM	EPA 350.1
Nickel	11.4	I	µg/L	7.50	30.00	4/11/2019	12:40 PM	EPA 200.8
Nitrite	0.005	I	mg/L as N	0.003	0.012	3/28/2019	10:29 AM	EPA 353.2
Nitrate	0.015	I	mg/L as N	0.01	0.04	3/28/2019	10:29 AM	EPA 353.2
Nitrate + Nitrite	0.020	I	mg/L as N	0.01	0.04	3/28/2019	10:29 AM	EPA 353.2
Nitrogen, Organic	0.67		mg/L as N	0.05	0.2	4/9/2019	10:01 AM	TKN - NH3
Phosphorus, Ortho	0.019		mg/L as P	0.004	0.016	3/27/2019	2:28 PM	EPA 365.1
Lead	5.0	U	µg/L	5.0	20.0	4/11/2019	12:40 PM	EPA 200.8
Salinity by meter by Client	17.1		SU	0.1		3/27/2019	10:55 AM	FDEP FT 1300
Antimony	10.0	U	µg/L	10.0	40.0	4/11/2019	12:40 PM	EPA 200.8
Water Clarity Secchi Disk, by Client	0.9	S	meters	0.1		3/27/2019	10:55 AM	FDEP FT 1700
Selenium	29.7		µg/L	5.0	20	4/11/2019	12:40 PM	EPA 200.8
Silica, dissolved as SiO2	5.3		mg/L as SiO2	0.1	0.4	3/28/2019	1:47 PM	SM4500-SiO2 C
Total Hardness	3300		mg/L as CaCO3	2.50	10.0	4/10/2019	10:52 AM	SM 2340 B
Nitrogen, Kjeldahl, Total	0.70		mg/L as N	0.05	0.2	4/9/2019	10:01 AM	EPA 351.2
Thallium	3.0	U	µg/L	3.0	12.0	4/11/2019	12:40 PM	EPA 200.8
Nitrogen, Total	0.72		mg/L as N	0.05	0.2	4/9/2019	10:01 AM	TKN + NOX
Total Organic Carbon	14		mg/L	1	4	4/5/2019	3:38 PM	SM 5310 B
Phosphorus, Total	0.045		mg/L as P	0.006	0.024	4/9/2019	10:03 AM	EPA 365.1
Total Suspended Solids	4.25		mg/L	0.6	2.4	3/28/2019	10:12 AM	SM 2540 D
Turbidity (Nephelometric)	2.95		NTU	0.2	0.8	3/28/2019	8:11 AM	EPA 180.1
Vanadium	10.0	U	µg/L	10.0	40.0	4/11/2019	12:40 PM	EPA 200.8
Zinc	10.0	U	µg/L	10.0	40.0	4/11/2019	12:40 PM	EPA 200.8

Laboratory ID	AE05220	Collection date and time	3/27/2019 11:40 AM
Location Code	HENDGR02	Sample Collector	MARYANN DUGAN
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	4.40		mg/M3	0.5	2.0	4/4/2019	12:57 PM	SM21 10200 H
Pheophytin	2.31		mg/M3	0.5	2.0	4/4/2019	12:57 PM	SM21 10200 H
Aluminum	50.0	U	µg/L	50.0	200.0	4/11/2019	12:40 PM	EPA 200.8

Laboratory ID AE05220
 Location Code HENDGR02
 Sample Description Hendry Cr. can see 1st house

Collection date and time 3/27/2019 11:40 AM
 Sample Collector MARYANN DUGAN

Analyte Name	Result	Qualifier	Units	MDL	PQL	Analysis Date	Analysis Time	Analysis Method
Arsenic	20.9		µg/L	5.0	20	4/11/2019	12:40 PM	EPA 200.8
Barium	24.3		µg/L	5.0	20.0	4/11/2019	12:40 PM	EPA 200.8
Beryllium	2.50	U	µg/L	2.50	10.00	4/11/2019	12:40 PM	EPA 200.8
Biochemical Oxygen Demand 5 day	1.5	J3	mg/L	0.3	1.2	3/28/2019	11:10 AM	SM 5210 B
Calcium by ICP	200		mg/L	2.50	10.00	4/10/2019	10:52 AM	EPA 200.7
Cadmium	3.0	U	µg/L	3.0	12.0	4/11/2019	12:40 PM	EPA 200.8
Chloride	5800		mg/L	16.00	64.0	4/2/2019	1:45 PM	SM 4500-Cl ⁻ D
Color	76.8		CU	1.6	6.4	3/27/2019	2:55 PM	SM21 2120 C
Chromium	5.44	I	µg/L	5.0	20.0	4/11/2019	12:40 PM	EPA 200.8
Copper	5.35	V1 I	µg/L	5.0	20.0	4/11/2019	12:40 PM	EPA 200.8
Oxygen, Dissolved, Electrode, by Client	2.63		mg/L	0.1		3/27/2019	11:40 AM	FDEP FT1500
Enterococci	10		MPN/100mL	10		3/27/2019	2:14 PM	Enterolert®
Iron by ICP	0.070	I	mg/L	0.050	0.200	4/10/2019	10:52 AM	EPA 200.7
Magnesium by ICP	385		mg/L	2.50	10.00	4/10/2019	10:52 AM	EPA 200.7
E.coli Enumeration	63		MPN/100mL	10		3/27/2019	2:23 PM	Colilert-18®
Manganese	16.1	I	µg/L	5.0	20.0	4/11/2019	12:40 PM	EPA 200.8
Molybdenum	5.16	I	µg/L	5.00	20.0	4/11/2019	12:40 PM	EPA 200.8
Ammonia	0.052	I	mg/L as N	0.014	0.056	3/28/2019	11:50 AM	EPA 350.1
Nickel	8.60	I	µg/L	7.50	30.00	4/11/2019	12:40 PM	EPA 200.8
Nitrite	0.007	I	mg/L as N	0.003	0.012	3/28/2019	10:29 AM	EPA 353.2
Nitrate	0.042		mg/L as N	0.01	0.04	3/28/2019	10:29 AM	EPA 353.2
Nitrate + Nitrite	0.049		mg/L as N	0.01	0.04	3/28/2019	10:29 AM	EPA 353.2
Nitrogen, Organic	0.74		mg/L as N	0.05	0.2	4/9/2019	10:01 AM	TKN - NH3
Phosphorus, Ortho	0.034		mg/L as P	0.004	0.016	3/27/2019	2:28 PM	EPA 365.1
Lead	5.0	U	µg/L	5.0	20.0	4/11/2019	12:40 PM	EPA 200.8
Salinity by meter by Client	13.08		SU	0.1		3/27/2019	11:40 AM	FDEP FT 1300
Antimony	10.0	U	µg/L	10.0	40.0	4/11/2019	12:40 PM	EPA 200.8
Water Clarity Secchi Disk, by Client	1.1	S	meters	0.1		3/27/2019	11:40 AM	FDEP FT 1700
Selenium	33.0		µg/L	5.0	20	4/11/2019	12:40 PM	EPA 200.8
Silica, dissolved as SiO2	7.2		mg/L as SiO2	0.1	0.4	3/28/2019	1:47 PM	SM4500-SiO2 C
Total Hardness	2080		mg/L as CaCO3	2.50	10.0	4/10/2019	10:52 AM	SM 2340 B
Nitrogen, Kjeldahl, Total	0.79		mg/L as N	0.05	0.2	4/9/2019	10:01 AM	EPA 351.2

Laboratory ID	AE05220	Collection date and time	3/27/2019 11:40 AM
Location Code	HENDGR02	Sample Collector	MARYANN DUGAN
Sample Description	Hendry Cr. can see 1st house		

Analyte Name	Result	Qualifier	Units	MDL	PQL	Analysis Date	Analysis Time	Analysis Method
Thallium	3.0	U	µg/L	3.0	12.0	4/11/2019	12:40 PM	EPA 200.8
Nitrogen, Total	0.84		mg/L as N	0.05	0.2	4/9/2019	10:01 AM	TKN + NOX
Total Organic Carbon	14		mg/L	1	4	4/5/2019	3:38 PM	SM 5310 B
Phosphorus, Total	0.060		mg/L as P	0.006	0.024	4/9/2019	10:03 AM	EPA 365.1
Total Suspended Solids	4.00		mg/L	0.6	2.4	3/28/2019	10:12 AM	SM 2540 D
Turbidity (Nephelometric)	0.720	I	NTU	0.2	0.8	3/28/2019	8:11 AM	EPA 180.1
Vanadium	10.0	U	µg/L	10.0	40.0	4/11/2019	12:40 PM	EPA 200.8
Zinc	10.0	U	µg/L	10.0	40.0	4/11/2019	12:40 PM	EPA 200.8

Laboratory ID	AE05221	Collection date and time	3/27/2019 9:30 AM
Location Code	MULLGR01	Sample Collector	MARYANN DUGAN
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	1.32	I	mg/M3	0.5	2.0	4/4/2019	12:57 PM	SM21 10200 H
Pheophytin	1.02	I	mg/M3	0.5	2.0	4/4/2019	12:57 PM	SM21 10200 H
Aluminum	50.0	U	µg/L	50.0	200.0	4/11/2019	12:40 PM	EPA 200.8
Arsenic	39.7		µg/L	5.0	20	4/11/2019	12:40 PM	EPA 200.8
Barium	17.3	I	µg/L	5.0	20.0	4/11/2019	12:40 PM	EPA 200.8
Beryllium	2.50	U	µg/L	2.50	10.00	4/11/2019	12:40 PM	EPA 200.8
Biochemical Oxygen Demand 5 day	1.0	I J3	mg/L	0.3	1.2	3/28/2019	11:10 AM	SM 5210 B
Calcium by ICP	296		mg/L	2.50	10.00	4/10/2019	10:52 AM	EPA 200.7
Cadmium	3.0	U	µg/L	3.0	12.0	4/11/2019	12:40 PM	EPA 200.8
Chloride	9850		mg/L	1.60	6.4	4/1/2019	12:13 PM	SM 4500-Cl ⁻ D
Color	33.5		CU	1.6	6.4	3/27/2019	2:55 PM	SM21 2120 C
Chromium	7.55	I	µg/L	5.0	20.0	4/11/2019	12:40 PM	EPA 200.8
Copper	9.97	V1 I	µg/L	5.0	20.0	4/11/2019	12:40 PM	EPA 200.8
Oxygen, Dissolved, Electrode, by Client	5.00		mg/L	0.1		3/27/2019	9:30 AM	FDEP FT1500
Enterococci	10		MPN/100mL	10		3/27/2019	2:14 PM	Enterolert®
Iron by ICP	0.100	I	mg/L	0.050	0.200	4/10/2019	10:52 AM	EPA 200.7
Magnesium by ICP	808		mg/L	2.50	10.00	4/10/2019	10:52 AM	EPA 200.7
E.coli Enumeration	42		MPN/100mL	10		3/27/2019	2:23 PM	Colilert-18®

Laboratory ID	AE05221	Collection date and time	3/27/2019 9:30 AM
Location Code	MULLGR01	Sample Collector	MARYANN DUGAN
Sample Description	Mullock Cr. Y near marker 22		

Analyte Name	Result	Qualifier	Units	MDL	PQL	Analysis Date	Analysis Time	Analysis Method
Manganese	9.49	I	µg/L	5.0	20.0	4/11/2019	12:40 PM	EPA 200.8
Molybdenum	9.42	I	µg/L	5.00	20.0	4/11/2019	12:40 PM	EPA 200.8
Ammonia	0.014	U	mg/L as N	0.014	0.056	3/28/2019	11:50 AM	EPA 350.1
Nickel	13.2	I	µg/L	7.50	30.00	4/11/2019	12:40 PM	EPA 200.8
Nitrite	0.004	I	mg/L as N	0.003	0.012	3/28/2019	10:29 AM	EPA 353.2
Nitrate	0.019	I	mg/L as N	0.01	0.04	3/28/2019	10:29 AM	EPA 353.2
Nitrate + Nitrite	0.023	I	mg/L as N	0.01	0.04	3/28/2019	10:29 AM	EPA 353.2
Nitrogen, Organic	0.81		mg/L as N	0.05	0.2	4/9/2019	10:01 AM	TKN - NH3
Phosphorus, Ortho	0.007	I	mg/L as P	0.004	0.016	3/27/2019	2:28 PM	EPA 365.1
Lead	5.0	U	µg/L	5.0	20.0	4/11/2019	12:40 PM	EPA 200.8
Salinity by meter by Client	22.86		SU	0.1		3/27/2019	9:30 AM	FDEP FT 1300
Antimony	10.0	U	µg/L	10.0	40.0	4/11/2019	12:40 PM	EPA 200.8
Water Clarity Secchi Disk, by Client	0.9	S	meters	0.1		3/27/2019	9:30 AM	FDEP FT 1700
Selenium	36.5		µg/L	5.0	20	4/11/2019	12:40 PM	EPA 200.8
Silica, dissolved as SiO2	3.9		mg/L as SiO2	0.1	0.4	3/28/2019	1:47 PM	SM4500-SiO2 C
Total Hardness	4070		mg/L as CaCO3	2.50	10.0	4/10/2019	10:52 AM	SM 2340 B
Nitrogen, Kjeldahl, Total	0.81		mg/L as N	0.05	0.2	4/9/2019	10:01 AM	EPA 351.2
Thallium	3.0	U	µg/L	3.0	12.0	4/11/2019	12:40 PM	EPA 200.8
Nitrogen, Total	0.83		mg/L as N	0.05	0.2	4/9/2019	10:01 AM	TKN + NOX
Total Organic Carbon	8.8		mg/L	1	4	4/5/2019	3:38 PM	SM 5310 B
Phosphorus, Total	0.030		mg/L as P	0.006	0.024	4/9/2019	10:03 AM	EPA 365.1
Total Suspended Solids	4.15		mg/L	0.6	2.4	3/28/2019	10:12 AM	SM 2540 D
Turbidity (Nephelometric)	3.13		NTU	0.2	0.8	3/28/2019	8:11 AM	EPA 180.1
Vanadium	10.0	U	µg/L	10.0	40.0	4/11/2019	12:40 PM	EPA 200.8
Zinc	10.0	U	µg/L	10.0	40.0	4/11/2019	12:40 PM	EPA 200.8

Laboratory ID	AE05222	Collection date and time	3/27/2019 10:00 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	1.47	I	mg/M3	0.5	2.0	4/4/2019	12:57 PM	SM21 10200 H

Laboratory ID	AE05222	Collection date and time	3/27/2019 10:00 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
Pheophytin	0.95	I	mg/M3	0.5	2.0	4/4/2019	12:57 PM	SM21 10200 H
Aluminum	50.0	U	µg/L	50.0	200.0	4/11/2019	12:40 PM	EPA 200.8
Arsenic	5.0	U	µg/L	5.0	20	4/11/2019	12:40 PM	EPA 200.8
Barium	5.0	U	µg/L	5.0	20.0	4/11/2019	12:40 PM	EPA 200.8
Beryllium	2.50	U	µg/L	2.50	10.00	4/11/2019	12:40 PM	EPA 200.8
Biochemical Oxygen Demand 5 day	1.0	I J3	mg/L	0.3	1.2	3/28/2019	11:10 AM	SM 5210 B
Calcium by ICP	251		mg/L	2.50	10.00	4/10/2019	10:52 AM	EPA 200.7
Cadmium	3.0	U	µg/L	3.0	12.0	4/11/2019	12:40 PM	EPA 200.8
Chloride	9030		mg/L	16.00	64.0	4/3/2019	2:46 PM	SM 4500-Cl ⁻ D
Color	44.6		CU	1.6	6.4	3/27/2019	2:55 PM	SM21 2120 C
Chromium	5.0	U	µg/L	5.0	20.0	4/11/2019	12:40 PM	EPA 200.8
Copper	5.0	U	µg/L	5.0	20.0	4/11/2019	12:40 PM	EPA 200.8
Oxygen, Dissolved, Electrode, by Client	4.6		mg/L	0.1		3/27/2019	10:00 AM	FDEP FT1500
Enterococci	42		MPN/100mL	10		3/27/2019	2:14 PM	Enterolert®
Iron by ICP	0.180	I	mg/L	0.050	0.200	4/10/2019	10:52 AM	EPA 200.7
Magnesium by ICP	605		mg/L	2.50	10.00	4/10/2019	10:52 AM	EPA 200.7
E.coli Enumeration	99		MPN/100mL	10		3/27/2019	2:23 PM	Colilert-18®
Manganese	5.0	U	µg/L	5.0	20.0	4/11/2019	12:40 PM	EPA 200.8
Molybdenum	5.00	U	µg/L	5.00	20.0	4/11/2019	12:40 PM	EPA 200.8
Ammonia	0.029	I	mg/L as N	0.014	0.056	3/28/2019	11:50 AM	EPA 350.1
Nickel	7.50	U	µg/L	7.50	30.00	4/11/2019	12:40 PM	EPA 200.8
Nitrite	0.005	I	mg/L as N	0.003	0.012	3/28/2019	10:29 AM	EPA 353.2
Nitrate	0.051		mg/L as N	0.01	0.04	3/28/2019	10:29 AM	EPA 353.2
Nitrate + Nitrite	0.056		mg/L as N	0.01	0.04	3/28/2019	10:29 AM	EPA 353.2
Nitrogen, Organic	0.63		mg/L as N	0.05	0.2	4/9/2019	10:01 AM	TKN - NH3
Phosphorus, Ortho	0.009	I	mg/L as P	0.004	0.016	3/27/2019	2:28 PM	EPA 365.1
Lead	5.0	U	µg/L	5.0	20.0	4/11/2019	12:40 PM	EPA 200.8
Salinity by meter by Client	19.67		SU	0.1		3/27/2019	10:00 AM	FDEP FT 1300
Antimony	10.0	U	µg/L	10.0	40.0	4/11/2019	12:40 PM	EPA 200.8
Water Clarity Secchi Disk, by Client	1.0	S	meters	0.1		3/27/2019	10:00 AM	FDEP FT 1700
Selenium	5.0	U	µg/L	5.0	20	4/11/2019	12:40 PM	EPA 200.8
Silica, dissolved as SiO2	4.7		mg/L as SiO2	0.1	0.4	3/28/2019	1:47 PM	SM4500-SiO2 C

Laboratory ID	AE05222	Collection date and time	3/27/2019 10:00 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
Total Hardness	3120		mg/L as CaCO ₃	2.50	10.0	4/10/2019	10:52 AM	SM 2340 B
Nitrogen, Kjeldahl, Total	0.66		mg/L as N	0.05	0.2	4/9/2019	10:01 AM	EPA 351.2
Thallium	3.0	U	µg/L	3.0	12.0	4/11/2019	12:40 PM	EPA 200.8
Nitrogen, Total	0.72		mg/L as N	0.05	0.2	4/9/2019	10:01 AM	TKN + NOX
Total Organic Carbon	10		mg/L	1	4	4/9/2019	11:32 AM	SM 5310 B
Phosphorus, Total	0.029		mg/L as P	0.006	0.024	4/9/2019	10:03 AM	EPA 365.1
Total Suspended Solids	5.90		mg/L	0.6	2.4	3/28/2019	10:12 AM	SM 2540 D
Turbidity (Nephelometric)	2.58		NTU	0.2	0.8	3/28/2019	8:11 AM	EPA 180.1
Vanadium	10.0	U	µg/L	10.0	40.0	4/11/2019	12:40 PM	EPA 200.8
Zinc	10.0	U	µg/L	10.0	40.0	4/11/2019	12:40 PM	EPA 200.8

Laboratory ID	AE05223	Collection date and time	3/27/2019 10:15 AM
Location Code	EBTEB	Sample Collector	MARYANN DUGAN
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	4/4/2019	12:57 PM	SM21 10200 H
Pheophytin	0.50	U	mg/M3	0.5	2.0	4/4/2019	12:57 PM	SM21 10200 H
Aluminum	5.0	U	µg/L	5.0	20.0	4/11/2019	12:40 PM	EPA 200.8
Arsenic	0.5	U	µg/L	0.5	2	4/11/2019	12:40 PM	EPA 200.8
Barium	0.5	U	µg/L	0.5	2.0	4/11/2019	12:40 PM	EPA 200.8
Beryllium	0.25	U	µg/L	0.25	1.00	4/11/2019	12:40 PM	EPA 200.8
Biochemical Oxygen Demand 5 day	0.3	U J3	mg/L	0.3	1.2	3/28/2019	11:10 AM	SM 5210 B
Calcium by ICP	0.250	U	mg/L	0.25	1.00	4/10/2019	10:52 AM	EPA 200.7
Cadmium	0.3	U	µg/L	0.3	1.2	4/11/2019	12:40 PM	EPA 200.8
Chloride	1.60	U	mg/L	1.60	6.4	4/3/2019	2:46 PM	SM 4500-Cl ⁻ D
Color	1.6	U	CU	1.6	6.4	3/27/2019	2:55 PM	SM21 2120 C
Chromium	0.586	I	µg/L	0.5	2.0	4/15/2019	1:30 PM	EPA 200.8
Copper	3.22		µg/L	0.5	2.0	4/15/2019	1:30 PM	EPA 200.8
Enterococci	2	U	MPN/100mL	2		3/27/2019	2:14 PM	Enterolert®
Iron by ICP	0.005	U	mg/L	0.005	0.020	4/10/2019	10:52 AM	EPA 200.7
Magnesium by ICP	0.25	U	mg/L	0.25	1.00	4/10/2019	10:52 AM	EPA 200.7

Laboratory ID AE05223
 Location Code EBTEB
 Sample Description Field Cleaned Equipment Blank

Collection date and time 3/27/2019 10:15 AM
 Sample Collector MARYANN DUGAN

Analyte Name	Result	Qualifier	Units	MDL	PQL	Analysis Date	Analysis Time	Analysis Method
E.coli Enumeration	2	U	MPN/100mL	2		3/27/2019	2:23 PM	Colilert-18®
Manganese	0.5	U	µg/L	0.5	2.0	4/11/2019	12:40 PM	EPA 200.8
Molybdenum	0.50	U	µg/L	0.50	2.0	4/11/2019	12:40 PM	EPA 200.8
Ammonia	0.014	U	mg/L as N	0.014	0.056	3/28/2019	11:50 AM	EPA 350.1
Nickel	0.75	U	µg/L	0.75	3.00	4/11/2019	12:40 PM	EPA 200.8
Nitrite	0.003	U	mg/L as N	0.003	0.012	3/28/2019	10:29 AM	EPA 353.2
Nitrate	0.010	U	mg/L as N	0.01	0.04	3/28/2019	10:29 AM	EPA 353.2
Nitrate + Nitrite	0.010	U	mg/L as N	0.01	0.04	3/28/2019	10:29 AM	EPA 353.2
Nitrogen, Organic	0.050	U	mg/L as N	0.05	0.2	4/9/2019	10:01 AM	TKN - NH3
Phosphorus, Ortho	0.004	U	mg/L as P	0.004	0.016	3/27/2019	2:28 PM	EPA 365.1
Lead	0.5	U	µg/L	0.5	2.0	4/11/2019	12:40 PM	EPA 200.8
Antimony	1.0	U	µg/L	1.0	4.0	4/11/2019	12:40 PM	EPA 200.8
Selenium	0.5	U	µg/L	0.5	2	4/11/2019	12:40 PM	EPA 200.8
Silica, dissolved as SiO2	0.1	U	mg/L as SiO2	0.1	0.4	3/28/2019	1:47 PM	SM4500-SiO2 C
Total Hardness	0.25	U	mg/L as CaCO3	0.25	1.0	4/10/2019	10:52 AM	SM 2340 B
Nitrogen, Kjeldahl, Total	0.05	U	mg/L as N	0.05	0.2	4/9/2019	10:01 AM	EPA 351.2
Thallium	0.3	U	µg/L	0.3	1.2	4/11/2019	12:40 PM	EPA 200.8
Nitrogen, Total	0.050	U	mg/L as N	0.05	0.2	4/9/2019	10:01 AM	TKN + NOX
Total Organic Carbon	1.000	U	mg/L	1	4	4/5/2019	3:38 PM	SM 5310 B
Phosphorus, Total	0.006	U	mg/L as P	0.006	0.024	4/9/2019	10:03 AM	EPA 365.1
Total Suspended Solids	0.6	U	mg/L	0.6	2.4	3/28/2019	10:12 AM	SM 2540 D
Turbidity (Nephelometric)	0.20	U	NTU	0.2	0.8	3/28/2019	8:11 AM	EPA 180.1
Vanadium	1.0	U	µg/L	1.0	4.0	4/11/2019	12:40 PM	EPA 200.8
Zinc	1.0	U	µg/L	1.0	4.0	4/11/2019	12:40 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.
- 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.
- V1 I Analyte found in both sample & field blank @ $<5X$ the blank value. The value is $>$ the MDL and $\leq$ to the PQL.

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

LCEL does not accept any samples used for evidentiary purposes

Lab Certification: E45049

LCEL F COC 20150828R1

Page 1 of 1

Report/Result Information				Billing/Invoice Information																			
Name: FDEP - South ATTN: Kirby Wolfe Address: 2295 Victoria Ave, Suite 364 PO Box 2549 Ft Myers FL 33901-2549 Phone: (239) 470-0873				Name: DNRM RE: EB Tribb Address: 1500 Monroe St Ft Myers, FL 33901 Phone: (239) 533-8109				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											
Sample Collector(s) (please print):				Sample Collector Signature:				Analyses Required															
Relinquished By: (signature) <i>Maryann Dugan</i>				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 Mag2QT, Entero #WSMetals, THardC													
Relinquished By: (signature) <i>Maryann Dugan</i>				Date		Time		Received By: (signature)															
Relinquished By: (signature)				Date		Time		Received By: (signature)															
Sample(s) on ice ☒ Yes or ☐ No? Temperature °C: 1.12												NP		NPF		S		NP		ST		N	
Collection Date		Time		Sample Description & Location				Matrix (see codes)		# of Sample Containers Submitted				Lab ID #									
03/27/19		1055		HendGr01 pH=7.36 SpCond (mS/cm)=28271				SW		1 1 2 2 1 1				AE05219									
03/27/19		1140		HendGr02 pH=7.41 SpCond (mS/cm)=22195				SW		1 1 2 2 1 1				AE05220									
03/27/19		0930		MullGr01 pH=7.50 SpCond (mS/cm)=36346				SW		1 1 2 2 1 1				AE05221									
03/27/19		1000		MullGr02 pH=7.57 SpCond (mS/cm)=32600				SW		1 1 2 2 1 1				AE05222									
03/27/19		1015		EBTeb pH=8.57 SpCond (mS/cm)=1.7				FB		1 1 2 2 1 1				AE05223									

**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.