



PINELLAS COUNTY UTILITIES LABORATORY
1620 Ridge Road Bldg B, Largo, FL 33778
Phone: 727-582-2302
Fax: 727-588-4834



CERTIFICATE OF ANALYSIS

Client: Pinellas County - Environmental Management
Division
22211 US Hwy 19 N
Clearwater, FL 33756

Analyzed By: Pinellas County Utilities Laboratory
1620 Ridge Road Bldg B, Largo, FL 33778
Ph: 727-582-2302

State of Florida Certification: E54357

Workorder Number: 1901275

EPA Lab#: FL00123

Profile: Environmental Mgmt - Ambient

Line Item: EMD - Land Run

SAMPLE SITE	SAMPLE NO.	COLLECTED DATE/TIME	RECEIVED DATE/TIME
29-11 19-04	190127501	06/24/2019 10:11	06/24/2019 16:19
25-07 19-04	190127502	06/24/2019 10:51	06/24/2019 16:19
23-08 19-04	190127503	06/24/2019 11:47	06/24/2019 16:19
22-12 19-04	190127504	06/24/2019 12:38	06/24/2019 16:19
LR6-FB 19-04	190127505	06/24/2019 12:45	06/24/2019 16:19
22-16 19-04	190127506	06/24/2019 14:07	06/24/2019 16:19
22-01 19-04	190127507	06/24/2019 15:07	06/24/2019 16:19
24-02 19-04	190127508	06/24/2019 15:38	06/24/2019 16:19

THIS REPORT MEETS TNi STANDARDS

All analytical data contained in this report were obtained using the specified methods and were verified by our laboratory quality system. All methods referenced in this report meet TNi requirements unless otherwise indicated by analytical data codes and/or remarks. Analytical results listed within this report pertain only to the specific samples listed. No other inferences can be made. All measurements are on a wet weight basis unless otherwise indicated by the units of measure. Uncertainty of Measurement for each analyte and the associated Quality Control data for these sample results will be provided upon request.

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CERTIFICATION STATEMENT

An asterisk (*) appearing next to an analyte indicates certification is not currently held for that test/analyte or that the certified test method has been sufficiently modified to accommodate the customer requirements that it no longer qualifies as certified.

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Pinellas County Utilities Laboratory
Contact Person: Terri Grimes
727-582-2322

Terri Grimes

07/08/2019

Terri Grimes
Laboratory Project Coordinator/QA Manager
tgrimes@pinellascounty.org

Date



ANALYTICAL RESULTS

Workorder: 1901275

Lab ID: **190127501**
Sample ID: **29-11 19-04**

Date Received: 6/24/2019 16:19 Matrix: Surface Water
Date Collected: 6/24/2019 10:11 Type: Grab

Parameters	Results Units	DF	LOD	LOQ	Prep	Analyzed	Qualifiers	QC Batch
Inorganics								
Analytical Method: SM 2130B								
Turbidity	1.4 NTU	1	0.1			6/25/2019 10:58		CHEM/2825
Analytical Method: SM 2540D								
Total Suspended Solids	1 U mg/L	1	1			6/26/2019 10:30		CHEM/2829
Analytical Method: SM 10200H								
Chlorophyll a (Corrected)	0.9 mg/m3	1	0.5		6/25/2019 10:49	6/27/2019 13:32		CHEM/2823
Chlorophyll a (Uncorrected)	1.4 mg/m3	1	0.5		6/25/2019 10:49	6/27/2019 13:32		CHEM/2823
Chlorophyll b	0.5 U mg/m3	1	0.5		6/25/2019 10:49	6/27/2019 13:32		CHEM/2823
Chlorophyll c	0.5 U mg/m3	1	0.5		6/25/2019 10:49	6/27/2019 13:32		CHEM/2823
Pheophytin	0.8 mg/m3	1	0.5		6/25/2019 10:49	6/27/2019 13:32		CHEM/2823
Analytical Method: SM 5210B								
Biochemical Oxygen Demand	0.8 l mg/L	1	0.5	2.0		6/25/2019 13:15		CHEM/2826
Microbiology								
Analytical Method: SM 9223B								
E. coli	1160 MPN/100mL	2	2		6/24/2019 16:32	6/25/2019 10:40		MIC/2419
Nutrients								
Analytical Method: ASTM D3590-11B								
Total Kjeldahl Nitrogen	0.63 mg/L	1	0.10	0.40	6/27/2019 15:30	6/28/2019 15:44		NUTR/2536
Analytical Method: EPA 365.1								
Total Phosphorus	0.04 l mg/L	1	0.01	0.04	7/1/2019 15:20	7/2/2019 13:41		NUTR/2544

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ANALYTICAL RESULTS

Workorder: 1901275

Lab ID: **190127501**
Sample ID: **29-11 19-04**

Date Received: 6/24/2019 16:19 Matrix: Surface Water
Date Collected: 6/24/2019 10:11 Type: Grab

Parameters	Results Units	DF	LOD	LOQ	Prep	Analyzed	Qualifiers	QC Batch
Analytical Method: SM 4500PF								
Orthophosphate as P(Dissolved)	0.02 I mg/L	1	0.01	0.04		6/25/2019 15:37		NUTR/2520
Analytical Method: SM 4500NH3H								
Ammonia	0.01 U mg/L	1	0.01	0.04		6/25/2019 10:34	J	NUTR/2518
J - Matrix Spike exceeded control limits. Potential matrix interference								
Analytical Method: SM 4500NO3F								
Nitrate+Nitrite (N)	0.01 U mg/L	1	0.01	0.04		6/25/2019 10:34		NUTR/2517

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ANALYTICAL RESULTS

Workorder: 1901275

Lab ID: **190127502**
Sample ID: **25-07 19-04**

Date Received: 6/24/2019 16:19 Matrix: Surface Water
Date Collected: 6/24/2019 10:51 Type: Grab

Parameters	Results	Units	DF	LOD	LOQ	Prep	Analyzed	Qualifiers	QC Batch
Inorganics									
Analytical Method: SM 2130B									
Turbidity	2.5	NTU	1	0.1			6/25/2019 10:58		CHEM/2825
Analytical Method: SM 2540D									
Total Suspended Solids	4	mg/L	1	1			6/26/2019 10:30		CHEM/2829
Analytical Method: SM 10200H									
Chlorophyll a (Corrected)	22.9	mg/m3	1	0.5		6/25/2019 10:49	6/27/2019 13:32		CHEM/2823
Chlorophyll a (Uncorrected)	25.2	mg/m3	1	0.5		6/25/2019 10:49	6/27/2019 13:32		CHEM/2823
Chlorophyll b	0.8	mg/m3	1	0.5		6/25/2019 10:49	6/27/2019 13:32		CHEM/2823
Chlorophyll c	1.5	mg/m3	1	0.5		6/25/2019 10:49	6/27/2019 13:32		CHEM/2823
Pheophytin	2.4	mg/m3	1	0.5		6/25/2019 10:49	6/27/2019 13:32		CHEM/2823
Analytical Method: SM 5210B									
Biochemical Oxygen Demand	2.6	mg/L	1	0.5	2.0		6/25/2019 13:15		CHEM/2826
Metals									
Analytical Method: EPA 200.7-NPW									
Aluminum (Dissolved)	0.050	I mg/L	1	0.020	0.055	6/27/2019 14:30	6/28/2019 09:50		MET/1644
Microbiology									
Analytical Method: SM 9223B									
E. coli	13	MPN/100mL	1	1		6/24/2019 16:32	6/25/2019 10:40		MIC/2419
Nutrients									
Analytical Method: ASTM D3590-11B									
Total Kjeldahl Nitrogen	0.63	mg/L	1	0.10	0.40	6/27/2019 15:30	6/28/2019 14:47		NUTR/2536

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ANALYTICAL RESULTS

Workorder: 1901275

Lab ID: **190127502**
Sample ID: **25-07 19-04**

Date Received: 6/24/2019 16:19 Matrix: Surface Water
Date Collected: 6/24/2019 10:51 Type: Grab

Parameters	Results Units	DF	LOD	LOQ	Prep	Analyzed	Qualifiers	QC Batch
Analytical Method: EPA 365.1								
Total Phosphorus	0.07 mg/L	1	0.01	0.04	7/1/2019 15:20	7/2/2019 13:50		NUTR/2544
Analytical Method: SM 4500PF								
Orthophosphate as P(Dissolved)	0.01 I mg/L	1	0.01	0.04		6/25/2019 15:38		NUTR/2520
Analytical Method: SM 4500NH3H								
Ammonia	0.01 U mg/L	1	0.01	0.04		6/25/2019 10:41		NUTR/2518
Analytical Method: SM 4500NO3F								
Nitrate+Nitrite (N)	0.01 U mg/L	1	0.01	0.04		6/25/2019 10:41		NUTR/2517

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ANALYTICAL RESULTS

Workorder: 1901275

Lab ID: **190127503**
Sample ID: **23-08 19-04**

Date Received: 6/24/2019 16:19 Matrix: Surface Water
Date Collected: 6/24/2019 11:47 Type: Grab

Parameters	Results	Units	DF	LOD	LOQ	Prep	Analyzed	Qualifiers	QC Batch
Inorganics									
Analytical Method: SM 2130B									
Turbidity	1.8	NTU	1	0.1			6/25/2019 10:58		CHEM/2825
Analytical Method: SM 2540D									
Total Suspended Solids	3	mg/L	1	1			6/26/2019 10:30		CHEM/2829
Analytical Method: SM 10200H									
Chlorophyll a (Corrected)	9.9	mg/m3	1	0.5		6/25/2019 10:49	6/27/2019 13:32		CHEM/2823
Chlorophyll a (Uncorrected)	11.4	mg/m3	1	0.5		6/25/2019 10:49	6/27/2019 13:32		CHEM/2823
Chlorophyll b	0.8	mg/m3	1	0.5		6/25/2019 10:49	6/27/2019 13:32		CHEM/2823
Chlorophyll c	0.6	mg/m3	1	0.5		6/25/2019 10:49	6/27/2019 13:32		CHEM/2823
Pheophytin	2	mg/m3	1	0.5		6/25/2019 10:49	6/27/2019 13:32		CHEM/2823
Analytical Method: SM 5210B									
Biochemical Oxygen Demand	2.5	mg/L	1	0.5	2.0		6/25/2019 13:15		CHEM/2826
Microbiology									
Analytical Method: SM 9223B									
E. coli	3	MPN/100mL	1	1		6/24/2019 16:32	6/25/2019 10:40		MIC/2419
Nutrients									
Analytical Method: ASTM D3590-11B									
Total Kjeldahl Nitrogen	0.65	mg/L	1	0.10	0.40	6/27/2019 15:30	6/28/2019 14:48		NUTR/2536
Analytical Method: EPA 365.1									
Total Phosphorus	0.04	mg/L	1	0.01	0.04	7/1/2019 15:20	7/2/2019 13:51		NUTR/2544

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ANALYTICAL RESULTS

Workorder: 1901275

Lab ID: **190127503**
Sample ID: **23-08 19-04**

Date Received: 6/24/2019 16:19 Matrix: Surface Water
Date Collected: 6/24/2019 11:47 Type: Grab

Parameters	Results Units	DF	LOD	LOQ	Prep	Analyzed	Qualifiers	QC Batch
Analytical Method: SM 4500PF								
Orthophosphate as P(Dissolved)	0.02 I mg/L	1	0.01	0.04		6/25/2019 15:39		NUTR/2520
Analytical Method: SM 4500NH3H								
Ammonia	0.01 U mg/L	1	0.01	0.04		6/25/2019 10:43		NUTR/2518
Analytical Method: SM 4500NO3F								
Nitrate+Nitrite (N)	0.01 U mg/L	1	0.01	0.04		6/25/2019 10:43		NUTR/2517

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ANALYTICAL RESULTS

Workorder: 1901275

Lab ID: **190127504**
Sample ID: **22-12 19-04**

Date Received: 6/24/2019 16:19 Matrix: Surface Water
Date Collected: 6/24/2019 12:38 Type: Grab

Parameters	Results Units	DF	LOD	LOQ	Prep	Analyzed	Qualifiers	QC Batch
Inorganics								
Analytical Method: SM 2130B								
Turbidity	4.1 NTU	1	0.1			6/25/2019 10:58		CHEM/2825
Analytical Method: SM 2540D								
Total Suspended Solids	4 mg/L	1	1			6/26/2019 10:30		CHEM/2829
Analytical Method: SM 10200H								
Chlorophyll a (Corrected)	8.3 mg/m3	1	0.5		6/25/2019 10:49	6/27/2019 13:32		CHEM/2823
Chlorophyll a (Uncorrected)	8.9 mg/m3	1	0.5		6/25/2019 10:49	6/27/2019 13:32		CHEM/2823
Chlorophyll b	0.5 U mg/m3	1	0.5		6/25/2019 10:49	6/27/2019 13:32		CHEM/2823
Chlorophyll c	0.5 U mg/m3	1	0.5		6/25/2019 10:49	6/27/2019 13:32		CHEM/2823
Pheophytin	0.6 mg/m3	1	0.5		6/25/2019 10:49	6/27/2019 13:32		CHEM/2823
Analytical Method: SM 5210B								
Biochemical Oxygen Demand	2.3 mg/L	1	0.5	2.0		6/25/2019 13:15		CHEM/2826
Microbiology								
Analytical Method: SM 9223B								
E. coli	231 MPN/100mL	2	2		6/24/2019 16:32	6/25/2019 10:40		MIC/2419
Nutrients								
Analytical Method: ASTM D3590-11B								
Total Kjeldahl Nitrogen	0.83 mg/L	1	0.10	0.40	6/27/2019 15:30	6/28/2019 14:49		NUTR/2536
Analytical Method: EPA 365.1								
Total Phosphorus	0.24 mg/L	1	0.01	0.04	7/1/2019 15:20	7/2/2019 13:52		NUTR/2544

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ANALYTICAL RESULTS

Workorder: 1901275

Lab ID: **190127504**
Sample ID: **22-12 19-04**

Date Received: 6/24/2019 16:19 Matrix: Surface Water
Date Collected: 6/24/2019 12:38 Type: Grab

Parameters	Results	Units	DF	LOD	LOQ	Prep	Analyzed	Qualifiers	QC Batch
Analytical Method: SM 4500PF									
Orthophosphate as P(Dissolved)	0.06	mg/L	1	0.01	0.04		6/25/2019 15:40		NUTR/2520
Analytical Method: SM 4500NH3H									
Ammonia	0.09	mg/L	1	0.01	0.04		6/25/2019 10:44	F	NUTR/2518
F - Sample filtered to remove excessive debris									
Analytical Method: SM 4500NO3F									
Nitrate+Nitrite (N)	0.02	I mg/L	1	0.01	0.04		6/25/2019 10:44	F	NUTR/2517
F - Sample filtered to remove excessive debris									

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ANALYTICAL RESULTS

Workorder: 1901275

Lab ID: **190127505**
Sample ID: **LR6-FB 19-04**

Date Received: 6/24/2019 16:19 Matrix: Surface Water
Date Collected: 6/24/2019 12:45 Type: Grab

Parameters	Results	Units	DF	LOD	LOQ	Prep	Analyzed	Qualifiers	QC Batch
Nutrients									
Analytical Method: ASTM D3590-11B									
Total Kjeldahl Nitrogen	0.10	U mg/L	1	0.10	0.40	6/27/2019 15:30	6/28/2019 14:50		NUTR/2536
Analytical Method: EPA 365.1									
Total Phosphorus	0.01	U mg/L	1	0.01	0.04	7/1/2019 15:20	7/2/2019 13:53		NUTR/2544
Analytical Method: SM 4500PF									
Orthophosphate as P(Dissolved)	0.01	U mg/L	1	0.01	0.04		6/25/2019 15:36		NUTR/2520
Analytical Method: SM 4500NH3H									
Ammonia	0.01	U mg/L	1	0.01	0.04		6/25/2019 10:45		NUTR/2518
Analytical Method: SM 4500NO3F									
Nitrate+Nitrite (N)	0.01	U mg/L	1	0.01	0.04		6/25/2019 10:45		NUTR/2517

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ANALYTICAL RESULTS

Workorder: 1901275

Lab ID: **190127506**
Sample ID: **22-16 19-04**

Date Received: 6/24/2019 16:19 Matrix: Surface Water
Date Collected: 6/24/2019 14:07 Type: Grab

Parameters	Results Units	DF	LOD	LOQ	Prep	Analyzed	Qualifiers	QC Batch
Inorganics								
Analytical Method: SM 2130B								
Turbidity	3.6 NTU	1	0.1			6/25/2019 10:58		CHEM/2825
Analytical Method: SM 2540D								
Total Suspended Solids	2 mg/L	1	1			6/26/2019 10:30		CHEM/2829
Analytical Method: SM 10200H								
Chlorophyll a (Corrected)	2.5 mg/m3	1	0.5		6/25/2019 10:49	6/27/2019 13:32		CHEM/2823
Chlorophyll a (Uncorrected)	2.8 mg/m3	1	0.5		6/25/2019 10:49	6/27/2019 13:32		CHEM/2823
Chlorophyll b	0.5 U mg/m3	1	0.5		6/25/2019 10:49	6/27/2019 13:32		CHEM/2823
Chlorophyll c	0.5 U mg/m3	1	0.5		6/25/2019 10:49	6/27/2019 13:32		CHEM/2823
Pheophytin	0.5 U mg/m3	1	0.5		6/25/2019 10:49	6/27/2019 13:32		CHEM/2823
Analytical Method: SM 5210B								
Biochemical Oxygen Demand	0.9 l mg/L	1	0.5	2.0		6/25/2019 13:15		CHEM/2826
Microbiology								
Analytical Method: SM 9223B								
E. coli	81 MPN/100mL	2	2		6/24/2019 16:32	6/25/2019 10:40		MIC/2419
Nutrients								
Analytical Method: ASTM D3590-11B								
Total Kjeldahl Nitrogen	0.70 mg/L	1	0.10	0.40	6/27/2019 15:30	6/28/2019 14:52		NUTR/2536
Analytical Method: EPA 365.1								
Total Phosphorus	0.16 mg/L	1	0.01	0.04	7/1/2019 15:20	7/2/2019 13:54		NUTR/2544

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ANALYTICAL RESULTS

Workorder: 1901275

Lab ID: **190127506**
Sample ID: **22-16 19-04**

Date Received: 6/24/2019 16:19 Matrix: Surface Water
Date Collected: 6/24/2019 14:07 Type: Grab

Parameters	Results Units	DF	LOD	LOQ	Prep	Analyzed	Qualifiers	QC Batch
Analytical Method: SM 4500PF								
Orthophosphate as P(Dissolved)	0.06 mg/L	1	0.01	0.04		6/25/2019 15:41		NUTR/2520
Analytical Method: SM 4500NH3H								
Ammonia	0.04 I mg/L	1	0.01	0.04		6/25/2019 10:46		NUTR/2518
Analytical Method: SM 4500NO3F								
Nitrate+Nitrite (N)	0.09 mg/L	1	0.01	0.04		6/25/2019 10:46		NUTR/2517

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ANALYTICAL RESULTS

Workorder: 1901275

Lab ID: **190127507**
Sample ID: **22-01 19-04**

Date Received: 6/24/2019 16:19 Matrix: Surface Water
Date Collected: 6/24/2019 15:07 Type: Grab

Parameters	Results	Units	DF	LOD	LOQ	Prep	Analyzed	Qualifiers	QC Batch
Inorganics									
Analytical Method: SM 2130B									
Turbidity	2.9	NTU	1	0.1			6/25/2019 10:58		CHEM/2825
Analytical Method: SM 2540D									
Total Suspended Solids	1	U mg/L	1	1			6/26/2019 10:30		CHEM/2829
Analytical Method: SM 10200H									
Chlorophyll a (Corrected)	1.4	mg/m3	1	0.5		6/25/2019 10:49	6/27/2019 13:32		CHEM/2823
Chlorophyll a (Uncorrected)	1.5	mg/m3	1	0.5		6/25/2019 10:49	6/27/2019 13:32		CHEM/2823
Chlorophyll b	0.5	U mg/m3	1	0.5		6/25/2019 10:49	6/27/2019 13:32		CHEM/2823
Chlorophyll c	0.5	U mg/m3	1	0.5		6/25/2019 10:49	6/27/2019 13:32		CHEM/2823
Pheophytin	0.5	U mg/m3	1	0.5		6/25/2019 10:49	6/27/2019 13:32		CHEM/2823
Analytical Method: SM 5210B									
Biochemical Oxygen Demand	0.8	I mg/L	1	0.5	2.0		6/25/2019 13:15		CHEM/2826
Microbiology									
Analytical Method: ASTM D6503-99									
Enterococci	1220	MPN/100mL	10	10		6/24/2019 16:25	6/25/2019 16:33		MIC/2423
Nutrients									
Analytical Method: ASTM D3590-11B									
Total Kjeldahl Nitrogen	0.63	mg/L	1	0.10	0.40	6/27/2019 15:30	6/28/2019 14:53		NUTR/2536
Analytical Method: EPA 365.1									
Total Phosphorus	0.17	mg/L	1	0.01	0.04	7/1/2019 15:20	7/2/2019 13:55		NUTR/2544

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ANALYTICAL RESULTS

Workorder: 1901275

Lab ID: **190127507**
Sample ID: **22-01 19-04**

Date Received: 6/24/2019 16:19 Matrix: Surface Water
Date Collected: 6/24/2019 15:07 Type: Grab

Parameters	Results Units	DF	LOD	LOQ	Prep	Analyzed	Qualifiers	QC Batch
Analytical Method: SM 4500PF								
Orthophosphate as P(Dissolved)	0.10 mg/L	1	0.01	0.04		6/25/2019 15:43		NUTR/2520
Analytical Method: SM 4500NH3H								
Ammonia	0.04 I mg/L	1	0.01	0.04		6/25/2019 10:47		NUTR/2518
Analytical Method: SM 4500NO3F								
Nitrate+Nitrite (N)	0.15 mg/L	1	0.01	0.04		6/25/2019 10:47		NUTR/2517

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ANALYTICAL RESULTS

Workorder: 1901275

Lab ID: **190127508**
Sample ID: **24-02 19-04**

Date Received: 6/24/2019 16:19 Matrix: Surface Water
Date Collected: 6/24/2019 15:38 Type: Grab

Parameters	Results	Units	DF	LOD	LOQ	Prep	Analyzed	Qualifiers	QC Batch
Inorganics									
Analytical Method: SM 2130B									
Turbidity	7.6	NTU	1	0.1			6/25/2019 10:58		CHEM/2825
Analytical Method: SM 2540D									
Total Suspended Solids	21	mg/L	1	1			6/26/2019 10:30		CHEM/2829
Analytical Method: SM 10200H									
Chlorophyll a (Corrected)	32.1	mg/m3	1	0.5		6/25/2019 10:49	6/27/2019 13:32		CHEM/2823
Chlorophyll a (Uncorrected)	33.1	mg/m3	1	0.5		6/25/2019 10:49	6/27/2019 13:32		CHEM/2823
Chlorophyll b	0.5 U	mg/m3	1	0.5		6/25/2019 10:49	6/27/2019 13:32		CHEM/2823
Chlorophyll c	6.4	mg/m3	1	0.5		6/25/2019 10:49	6/27/2019 13:32		CHEM/2823
Pheophytin	0.5 U	mg/m3	1	0.5		6/25/2019 10:49	6/27/2019 13:32		CHEM/2823
Analytical Method: SM 5210B									
Biochemical Oxygen Demand	5.8	mg/L	1	0.5	2.0		6/25/2019 13:15		CHEM/2826
Microbiology									
Analytical Method: ASTM D6503-99									
Enterococci	41	MPN/100mL	10	10		6/24/2019 16:25	6/25/2019 16:33		MIC/2423
Nutrients									
Analytical Method: ASTM D3590-11B									
Total Kjeldahl Nitrogen	1.17	mg/L	1	0.10	0.40	6/27/2019 15:30	6/28/2019 14:54		NUTR/2536
Analytical Method: EPA 365.1									
Total Phosphorus	0.30	mg/L	1	0.01	0.04	7/1/2019 15:20	7/2/2019 13:57		NUTR/2544

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ANALYTICAL RESULTS

Workorder: 1901275

Lab ID: **190127508**
Sample ID: **24-02 19-04**

Date Received: 6/24/2019 16:19 Matrix: Surface Water
Date Collected: 6/24/2019 15:38 Type: Grab

Parameters	Results Units	DF	LOD	LOQ	Prep	Analyzed	Qualifiers	QC Batch
Analytical Method: SM 4500PF								
Orthophosphate as P(Dissolved)	0.17 mg/L	1	0.01	0.04		6/25/2019 15:44		NUTR/2520
Analytical Method: SM 4500NH3H								
Ammonia	0.01 U mg/L	1	0.01	0.04		6/25/2019 10:48	F	NUTR/2518
F - Sample filtered to remove excessive debris								
Analytical Method: SM 4500NO3F								
Nitrate+Nitrite (N)	0.01 U mg/L	1	0.01	0.04		6/25/2019 10:48	F	NUTR/2517
F - Sample filtered to remove excessive debris								

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